

LKC
HD
9734
.C2
A4

IC



Department of consumer and corporate affairs



CONCENTRATION IN THE MANUFACTURING INDUSTRIES OF CANADA

Director of Investigation and Research
Combines Investigation Act

Errata Sheet

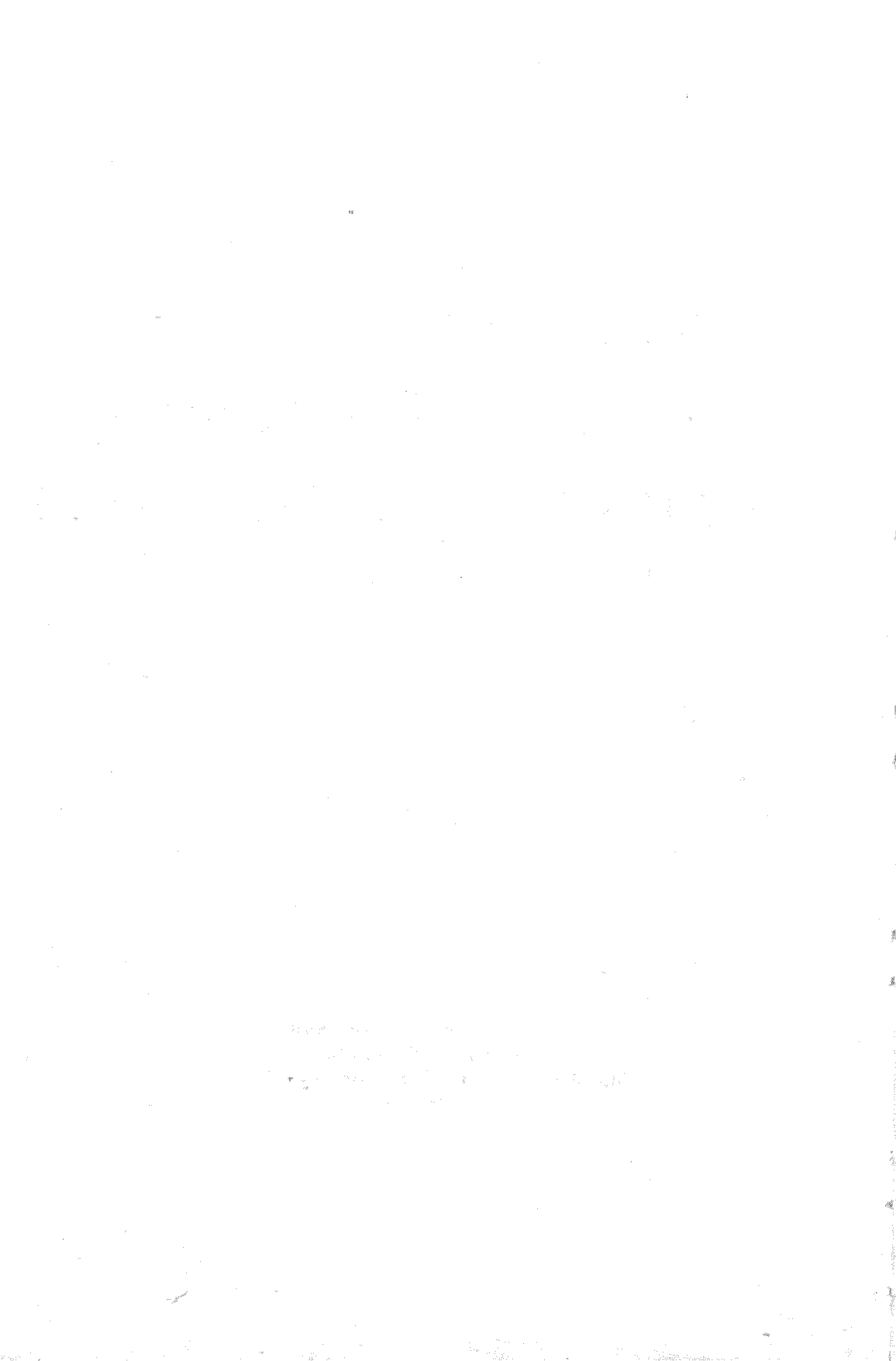
Concentration in the Manufacturing Industries of Canada

- Page ix** Tables A-9, A-10 and A-11 relate only to 142 industries.
- Page 18** Paragraph two, last two lines. "Machinery Industry group" instead of "Metal Fabricating group".
- Page 47** Second paragraph, third line, no comma after product.
- Page 76** In S.I.C. 2180, delete brackets from figure 63.
- Pages 90 and 101** Footnote b applies to S.I.C. 2010-2.
- Pages 95, 96 and 105** Footnote a applies to S.I.C. 3280, 3511 and 2733.
- Page 106** Footnote a rather than c applies to S.I.C. 3240.
- Pages 135, 139, 140 and 142** In S.I.C. 1240, 1450, 2210, 2230, 2513, 2520 and 2733, delete "Manitoba" from regional market described as "Manitoba, Prairie Region and British Columbia".
- Pages 180, 181 and 184** Footnote c applies to the following enterprise coefficients:
S.I.C. 2542: Top 4 and First 4
S.I.C. 3010: (13-20)
S.I.C. 3180: Top 12, and 20, (9-12) and (13-20)
S.I.C. 3989: Top 4 and First 4, Top 8, (5-8) and (9-12)
- Page 183** S.I.C. 3811: Top 8 should be 0.9202 instead of x, (5-8) should be 0.2345^c instead of x, (9-12) should be 0.0437^c instead of x.
- Page 198** S.I.C. 2291: Footnote c applies to (13-20) enterprises.
- Page 208** Truck Body & Trailer Mfrs. should be S.I.C. 3240.
- Page 219** United States S.I.C. 2519 refers to "Household Furniture N.E.C."
- Page 230** Below S.I.C. 2441-1 insert "2441-3 Women's Skirts & Blouses".
- Page 251** S.I.C. 3210, the Cat. No. is 42-203 instead of 32-203.
- Page 260** S.I.C. 3040 should be 3430.

**CONCENTRATION IN
THE MANUFACTURING
INDUSTRIES OF CANADA**

*(Office of the
Director of Investigation and Research
by Canada (Combined Investigation Act))*

**Published Under the Authority
of the Honourable Ron Basford
Minister of Consumer and Corporate Affairs
Ottawa
1971**



DEPARTMENT OF CONSUMER AND CORPORATE AFFAIRS

Combines Investigation Act

Ottawa, March 31, 1971.

The Honourable Ron Basford, P.C., M.P.,
Minister of Consumer and Corporate Affairs,
Ottawa.

Sir:

I have the honour to transmit to you the text of a report entitled: "*Concentration in the Manufacturing Industries of Canada*".

Special tabulations essential to the study were prepared by the Manufacturing and Primary Industries Division, Dominion Bureau of Statistics, Ottawa, whose assistance is gratefully acknowledged. Professor Gideon Rosenbluth of the University of British Columbia made helpful comments upon a draft outline of the report.

The report was prepared in the Research Branch by Mr. R. S. Khemani under the direction of Mr. J. William Morrow and with the assistance of other members of the staff.

Yours very truly,



D. H. W. Henry
Director of Investigation and Research
Combines Investigation Act

TABLE OF CONTENTS

	PAGE
INTRODUCTION	1
SUMMARY OF FINDINGS	3
CHAPTER I INDUSTRIAL CONCENTRATION: CONCEPTS AND MEASUREMENT	7
The Concept of the Industry	7
Choice of Industries	8
Units of Economic Activity	9
Measures of Concentration	10
CHAPTER II CONCENTRATION LEVELS IN CANADIAN MANUFACTU- RING INDUSTRIES, 1965	13
General Measures of Concentration of Economic Power	13
General Measures of Concentration in Manufacturing	15
Concentration by Individual Manufacturing Industries	16
CHAPTER III LEVELS OF ESTABLISHMENT AND ENTERPRISE CONCEN- TRATION	29
Differences in Enterprise and Establishment Concentration ..	29
Leading Enterprises and Their Establishments	32
Concentration Levels and Multi-Establishment Operations ..	32
CHAPTER IV INDUSTRIES WITH REGIONAL MARKETS	37
CHAPTER V HISTORICAL COMPARISONS AND CONCENTRATION TRENDS IN CANADA	41
Changes in Over-all Concentration	41
Changes in Individual Industry Concentration	43
CHAPTER VI COMPARISON OF LEVELS OF CONCENTRATION IN MANU- FACTURING IN CANADA AND THE UNITED STATES	47
Selection of Industries	48
Method of Comparison	48
Levels of Concentration in Canada and the United States	49
Statistical Effects of the Grouping of United States Industry Classes	50
Appendix A DETAILED STATISTICAL TABLES	56
Appendix B MANUFACTURING INDUSTRIES INCLUDED AND EXCLU- DED FROM THE REPORT	235
Industries for Which Concentration Ratios Were Obtained	235
List of Manufacturing Industries Excluded From This Report ..	260

	PAGE
Appendix C	NOTES ON STATISTICAL METHODS 261
	The Linking of Establishments Into Enterprises 261
	Primary Product Specialization and Coverage Index 262
	Estimation of Concentration Indexes 263
	Weighted Concentration Indexes 266
Appendix D	A BRIEF NOTE ON MEASURES OF INDUSTRY CONCENTRA- TION 269

TABLES

PAGE

CHAPTER II

Table II-1	Selected Statistics of Corporations in Canada, by Asset Size Group and Economic Sectors, 1965	14
Table II-2	Selected Statistics of the Largest Canadian Manufacturing Enterprises, 1965	15
Table II-3	Manufacturing Enterprises, by Numbers of Industries In Which Each Had Establishments, 1965	16
Table II-4	154 Manufacturing Industries, Ranked by Number of Largest Enterprises Accounting for 80% of Factory Shipments, 1965	17
Table II-5	154 Manufacturing Industries, Classified by Major Industry Groups and by Their Inverse Indexes of Concentration, 1965 . .	20
Table II-6	154 Manufacturing Industries, Ranked by Number of Largest Enterprises Accounting for 80% of Employment, 1965	21
Table II-7	154 Manufacturing Industries, Ranked by Percentage of Factory Shipments Accounted for by the Largest Four Enterprises, 1965.	23
Table II-8	154 Manufacturing Industries, Classified by Major Industry Groups and by Their Top Four Enterprise Industry Concentration Ratio, 1965	25
Table II-9	Fifty Manufacturing Industries With the Highest Herfindahl Indexes Among 154 Industries Surveyed, 1965	26

CHAPTER III

Table III-1	Number of Largest Establishments Accounting for 80 per cent of Factory Shipments in 154 Manufacturing Industries, 1965	29
Table III-2	Divergence Between Numbers of Largest Enterprises and Numbers of Largest Establishments Accounting for 80 per cent of Factory Shipments in 154 Manufacturing Industries, 1965	31
Table III-3	Divergence in Enterprise and Establishment Sizes in 154 Canadian Manufacturing Industries, 1965	33
Table III-4	Divergence in Number of Enterprises and Establishments in Relation to Concentration Levels, 1965	34
Table III-5	Average Number of Establishments per Enterprise in Different Enterprise Concentration Quartiles in 154 Canadian Manufacturing Industries, 1965	35

CHAPTER IV

Table IV-1	National and Weighted Regional Top Four-Enterprise and Establishment Concentration Ratios for 18 Selected Canadian Manufacturing Industries, 1965	38
Table IV-2	National and Weighted Regional Top Four-Enterprise and Establishment Concentration Ratios for 18 Selected Canadian Manufacturing Industries, 1965, by Levels of Concentration	39

CHAPTER V

Table V-1	Net Assets of 100 Largest Non-financial Companies by Size Classes, 1933	41
Table V-2	Net Assets of the 94 Largest Non-financial Corporations, 1958 and 1965	42
Table V-3	Comparison of Concentration Levels in a Sample of 96 Canadian Manufacturing Industries in 1948 and a Sample of 154 Canadian Manufacturing Industries in 1965	44
Table V-4	Comparison of Concentration Levels in 40 Canadian Manufacturing Industries, 1948 and 1965	45
Table V-5	Comparison of Concentration Levels in 40 Canadian Manufacturing Industries, 1948 and 1965, by Levels of Concentration	46

CHAPTER VI

Table VI-1	116 Comparable Canadian and United States Industries by Levels of Enterprise Concentration	51
Table VI-2	Summary of the Effects Upon Concentration Ratios of the Grouping of 231 United States Census Four-Digit Manufacturing Industry Classes Into 116 Industries, 1963	52

APPENDIX A

Table A-1	Indexes of Enterprise Concentration in 159 Canadian Manufacturing Industries, 1965	56
Table A-2	Shares of Industry Employment and of Value Added Accounted for by the Largest Enterprises (Measured by Value of Factory Shipments) in 159 Canadian Manufacturing Industries, 1965	73
Table A-3	Indexes of Establishment Concentration in 159 Canadian Manufacturing Industries, 1965	89

	PAGE
Table A-4	Shares of Industry Employment and of Value Added Accounted for by the Largest Establishments (Measured by Value of Factory Shipments) in 159 Canadian Manufacturing Industries, 1965 . . . 100
Table A-5	Indexes of Enterprise Concentration in Selected Canadian Manufacturing Industries, by Provinces or Regions, 1965 111
Table A-6	Shares of Industry Employment and of Value Added Accounted for by the Largest Enterprises (Measured by Value of Factory Shipments) in Selected Canadian Manufacturing Industries, by Provinces or Regions, 1965 132
Table A-7	Indexes of Establishment Concentration in Selected Canadian Manufacturing Industries, by Provinces or Regions, 1965 153
Table A-8	Shares of Industry Employment and of Value Added Accounted for by the Largest Establishments (Measured by Value of Factory Shipments) in Selected Canadian Manufacturing Industries, by Provinces or Regions, 1965 165
Table A-9	Coefficients of Variation of Value of Factory Shipments, Cumulatively and by Discrete Groups of Large Enterprises in 159 Canadian Manufacturing Industries, 1965 177
Table A-10	Average Value of Shipments and Standard Deviation, by Cumulative Groups of Large Enterprises in 159 Canadian Manufacturing Industries, 1965 186
Table A-11	Average Value of Shipments and Standard Deviation by Single Groups of Large Enterprises in 159 Canadian Manufacturing Industries, 1965 196
Table A-12	154 Canadian Manufacturing Industries, 1965, Ranked by the Herfindahl Indexes 206
Table A-13	Indexes of Concentration by Value of Shipments in Selected Canadian Manufacturing Industries, 1965, and in Comparable United States Manufacturing Industries 1963 and 1966 210
Table A-14	18 Canadian and United States Industries in Which Differences between Canadian and United States Levels of Concentration are Unclear 229

APPENDIX D

Table D-1	Indexes of Enterprise Concentration in Two Selected Canadian Manufacturing Industries, 1965 270
-----------	---

Table D-2	Coefficients of Variation of Value of Factory Shipments, Cumulatively and by Groups of Large Enterprises in Two Selected Canadian Manufacturing Industries, 1965	270
Table D-3	Coefficients of Variation of Value of Factory Shipments, Cumulatively and By Groups of Large Enterprises in Selected Canadian Manufacturing Industries, 1965	272
Table D-4	Spearman Rank Correlation Coefficient Between Selected Measures of Concentration, Canadian Manufacturing Industries, 1965	273

CHARTS AND DIAGRAMS

PAGE

CHAPTER II

Chart II-1	154 Manufacturing Industries, Ranked by Number of Largest Enterprises Accounting for 80 per cent of Factory Shipments, 1965	19
Chart II-2	154 Manufacturing Industries, Ranked by Number of Largest Enterprises Accounting for 80 per cent of Employment, 1965 . .	22
Chart II-3	Distribution of Manufacturing Industries by the Top Four Enterprise Concentration Ratio Quartiles, 1965	24

CHAPTER III

Chart III-1	Number of Largest Establishments Accounting For 80 per cent of Factory Shipments in 154 Manufacturing Industries, 1965 . .	30
-------------	--	----

INTRODUCTION

This Report contains the results of a statistical inquiry into levels of concentration in Canadian manufacturing industries. It is intended to be of immediate assistance in the formulation and evaluation of industrial and commercial policies, especially those relating to competition. In addition, the appendices have been designed partly to provide the considerable detail often required by academic economists who wish to explore the causes and effects of existing levels of concentration.

Basically, measures of concentration of economic activity involve the ranking by size of the relevant economic units, such as companies or factories, in order to find out to what extent the activity is concentrated in the hands of the few largest units. One of the earliest and most renowned of such measures was by A.A. Berle and G.C. Means,¹ who reported on the position that had been occupied by the largest two hundred corporations in the United States some forty years ago. Not long afterwards, the Royal Commission on Price Spreads² found that the hundred largest companies in Canada had some 65 per cent of the total capital of all companies. Concentration measures of that kind provide a general indication of the degree to which private economic power is concentrated. When first published they caused considerable concern because they were sharply at variance with the stereotypes of a competitive economy which were then prevalent in the minds of economists as well as members of the public at large.

Those early measures of concentration helped to underline the need for a vast amount of empirical research to supplement the work of economic theorists. There has now evolved, especially in the United States, the field of economics known as industrial organization, whose purpose is to analyse the structure and organization of economic activity and their effects upon the performance of the economy. Moreover, with easy access to electronic computers, the capability of analysing data has increased rapidly.

The present Report, while containing some broad measures of concentration in Canada's business sector as a whole, focuses mainly upon the details of concentration in each of 159 separate manufacturing industries for the year 1965. For each manufacturing industry treated, measures of concentration are presented on two distinct bases. One base is the manufacturing establishment, which approximates the technological unit of production. The other base is the manufacturing enterprise which is defined as all manufacturing establishments in an industry under common control. For example, in a given industry, the Report shows what percentage of total industry shipments were accounted for by the four largest establishments and by the four largest enterprises. The two figures will be the same if each of the four largest enterprises operated only one establishment in that industry; otherwise, enterprise concentration will be higher than

¹ Berle, A.A. and Means, G.C., *The Modern Corporation and Private Property*, Harcourt, Brace & World, Inc., N.Y. (Rev. Edn., 1967).

² *Royal Commission on Price Spreads*, Report, Ottawa, (1937).

establishment concentration. Detailed results shown in the appendices have been aggregated and summarized in various ways in the text.

The only comprehensive statistics of concentration in Canadian manufacturing industries previously available were for the year 1948, found in the classic study of Gideon Rosenbluth published in 1957 under the auspices of the National Bureau of Economic Research.³ Concentration statistics for United States manufacturing industries were first published before World War II. They are now published on a regular basis and have proven to be an extremely productive tool for policy makers and students of industrial organization.

A virtue of having concentration data at the level of individual industries is that each industry tends to be associated with a particular market or group of markets. Whereas general measures of the kind introduced by Berle and Means provide an indication of the overall distribution of private economic power, concentration data on an industry-by-industry basis provide an indication of competitive conditions in the many separate markets within the economy of a country. Where an industry consists of a number of firms such that no single one or single small group can exert a dominant influence on pricing, then the structural basis for a reasonably competitive market mechanism exists. On the other hand, where a small group of firms, such as the largest four or the largest eight in the industry, account for a dominant share of output, then the possibility of serious restrictions on the competitive process must be taken into account. Of course, no single structural test is conclusive in this regard. In particular instances such factors as foreign trade, the existence of substitute products from other industries, and the relations among the dominant firms would have to be considered as well. Nevertheless, concentration measures do provide an extremely useful indicator of the degree of competition in the economy.

Research into the causes and effects of high concentration can be done by using statistics of industry concentration in conjunction with other data. The importance of internal company growth relative to external growth by mergers as contributors to concentration can be explored. Studies have been done in the United States and elsewhere on the relation of concentration to profit levels, price-cost margins, advertising expenditures and other factors.⁴ It is hoped that the present report will stimulate research into the causes and effects of concentration in Canadian manufacturing industries.

³Rosenbluth, Gideon, *Concentration in Canadian Manufacturing Industries*, N B E R, Princeton, (1957).

⁴For example:

Bain, Joe S. "Relation of Profit Rate to Industry Concentration: American Manufacturing, 1936-1940," *Quarterly Journal of Economics*, vol. LXV (August 1951), pp. 293-324.

Weisz, L.W. "Average Concentration Ratios and Industrial Performance," *Journal of Industrial Economics*, vol. XI (July 1963), pp. 237-254.

Miller, R.A. "Marginal Concentration Ratios and Industrial Profit Rates: Some Empirical Results of Oligopoly Behavior," *The Southern Economic Journal*, vol. LXXXIV, (October 1967), pp. 259-267.

Collins, N.R. and Preston, L.E., *Concentration and Price-Cost Margins in Manufacturing Industries*, Berkeley: University of California Press, (1968).

SUMMARY OF FINDINGS

General Levels of Concentration

The business life of Canada in 1965 was shared by nearly 170,000 active corporations in addition to many thousands of farmers and individual small business proprietors. Thousands of corporations each with assets valued at less than \$5 million accounted for the greater part of corporate economic activity in agriculture, personal and business services, wholesale and retail trade and construction.

On the other hand, relatively small numbers of large corporations play a highly strategic role in the business life of Canada. In 1965 the 174 largest corporations had 50 per cent of total corporate assets. Ninety-four largest non-financial corporations had 38 per cent of the assets of all non-financial corporations. Seventeen corporations in the utilities sector, most of them under some form of public control, had 72.7 per cent of the assets in that sector. Sixteen mining corporations accounted for 37.2 per cent of the assets in that sector. Eighty banks, insurance companies and other financial corporations had 61.7 per cent of the assets in that sector, and the fifty largest manufacturing corporations had 40 per cent of the assets in that sector.

Special tabulations were made to show the sizes of the largest 4, 8, 12, 20, 50 and 100 manufacturing enterprises in 1965. The largest four operated 117 manufacturing establishments in 29 industries and accounted for over 5 per cent of all manufacturing shipments. The largest hundred operated 1,263 establishments in 114 industries and accounted for 42 per cent of total manufacturing shipments. There were 453 enterprises which operated establishments in two or more industries. They operated 2,530 establishments and accounted for about half of the total manufacturing shipments. The remainder was accounted for by nearly 30,000 enterprises each of which operated in only one industry.

Levels of Enterprise Concentration in Individual Manufacturing Industries

Details of concentration in 159 manufacturing industries accounting for about 94 per cent of total value added by manufacturing were obtained. The remaining industries were rejected because of the heterogeneity of their products. Of the 159 industries for which data were obtained, five were excluded from the analytical tables, again because of product heterogeneity. The remaining 154 industries, which were subjected to careful analysis, accounted for about 88 per cent of total value added by manufacturing.

Levels of concentration were measured in several different ways, each method having particular advantages. Industries were first examined in terms of the number of largest enterprises in each which accounted for 80 per cent of the industry's shipments. Sixty manufacturing industries accounting for 37 per cent of total manufacturing shipments in the sample were found to be highly concentrated in that eight or fewer enterprises accounted for 80 per cent of shipments. At the other extreme, 57 industries accounting for 42 per cent of shipments in the sample had fairly low or low concentration.

in that over twenty enterprises in each industry were required to account for 80 per cent of shipments. When employment was substituted for shipments, it was found that levels of concentration, while still high, were appreciably lower than when measured by shipments.

Concentration was also measured in terms of the percentage of shipments in each industry accounted for by the largest 4, 8, 12, 20 and 50 enterprises. A total of 39 industries accounting for 30 per cent of the total shipments in the sample were characterized as highly concentrated oligopolies in that the largest four enterprises in each industry accounted for 75 per cent or more of shipments. Another 38 industries accounting for 19 per cent of the shipments in the sample were moderately concentrated oligopolies in that the largest four enterprises in each accounted for between 50 and 75 per cent of industry shipments.

Levels of Establishment and Enterprise Concentration

Whereas the enterprise is the level at which major economic decisions are made, the establishment approximates to the technical unit of production.

The manufacturing industries in the sample were found to be less concentrated in terms of establishments than in terms of enterprises. Establishment concentration was high in 38 industries accounting for 22 per cent of the total shipments in the sample in that fewer than eight establishments in each accounted for 80 per cent of shipments. In comparison, sixty industries accounting for 37 per cent of the shipments in the sample had high enterprise concentration. A clear relation was found to exist between levels of industry concentration and the divergence between enterprise and establishment concentration. The higher the level of concentration the greater was the divergence between enterprise and establishment concentration.

An analysis was made of the characteristics of the largest enterprises in each industry. Leading enterprises and their establishments were both found to vary in size directly with the level of concentration in their industries. Moreover, the difference in absolute size between leading enterprises and leading establishments was greater in the highly concentrated industries. However, it was found that in relative rather than absolute terms, the difference between the sizes of leading enterprises and leading establishments did not vary with the levels of industry concentration. Thus, leading enterprises tend each to have more than one establishment regardless of the level of concentration of their industry. A further analysis indicated that the large enterprises tended to have the large establishments.

Finally, an analysis was made of the extent to which enterprises with different size rankings in their respective industries tend to be multi-establishment operations. It was found that the tendency towards multi-establishment operation was greatest among the four largest enterprises in each industry, followed by the top eight. Enterprises which ranked twelfth or smaller were nearly always single-establishment operations.

In summary, there is a close relationship in Canada between high concentration and the fact that the largest enterprises in most industries tend to have two or more establishments each.

Regional Concentration

Up to this point in the Report, no allowance was made for the fact that some industries consist of establishments serving a local or regional rather than a national market. Enterprises in such industries are usually faced with a smaller number of actual competitors than statistics on a national basis would indicate. It was found that 34 industries accounting for 36 per cent of total shipments in the sample had marked regional characteristics. Some measures of concentration on a regional basis were obtained for the 34 industries, but problems of confidentiality were such that reasonably comprehensive regional data could only be obtained for 18 of them. It was found that levels of concentration in the 18 industries, as shown by the regional data, were much higher than had been indicated by the national data. Using a weighted average of the regional data for each of the 18 industries, the largest four enterprises in seven of them accounted for 50 per cent or more of the shipments of their respective industries. Using the national concentration measures, only two of the same 18 industries showed as high levels of concentration.

Trends in Concentration

Canadian statistical evidence respecting historical trends in levels of industrial concentration is scanty. Such evidence as there is indicates that in 1965 the general level of concentration in manufacturing industries was higher than in 1948 or in 1958. Taking the non-financial corporate sector as a whole, concentration appears to have declined somewhat between 1958 and 1965.

Comparisons at the level of individual manufacturing industries were made of concentration measures for 1948 by Gideon Rosenbluth and those for 1965 in the present Report. The statistics of only forty industries were found to be comparable. The levels of enterprise concentration in that sample had increased significantly between 1948 and 1965. In the former year, industries in which 12 or fewer enterprises accounted for 80 per cent of industry shipments made up 32.4 per cent of the sample by value added; in 1965 such industries made up 41.2 per cent of the sample. When looked at in terms of manufacturing establishment, no clear trend in levels of concentration was evident.

The assets of the 54 largest manufacturing corporations in 1958 were compared with those of the fifty largest corporations in 1965. The former had 38 per cent of the total assets of all manufacturing corporations in 1958, whereas the latter had 40.1 per cent of the assets of all manufacturing corporations in 1965.

However, taking all non-financial corporations, the largest 94 in 1958 had 40.6 per cent of the assets of all non-financial corporations, whereas the largest 94 in 1965 had 37.6 per cent. The indicated decline in concentration appears to have been related to the growth of sectors of low concentration such as services and to the decline of the position of the railways relative to that of other utilities.

Comparison of Levels of Concentration in Manufacturing in Canada and the United States

Comparisons with studies done in the United States showed that levels of concentration in Canadian manufacturing industries were considerably higher than those

in the United States. The fifty largest United States manufacturing companies accounted for 25 per cent of value added by manufacture in 1963, whereas the fifty largest manufacturing enterprises in Canada accounted for 36 per cent of value added by manufacture in 1965. The figures for the hundred largest were 33 per cent of value added in the United States and 46 per cent of value added in Canada.

At the level of individual manufacturing industries, it was found that Canadian industry classifications tended to be considerably broader than those of the United States. In many cases two or more United States industries had to be combined for purposes of comparison with one Canadian industry. Altogether, 116 industries or groups of industries were compared. On the Canadian side, 123 manufacturing industries were included and on the American side 231 industries were included. They accounted for 68 per cent of total United States manufacturing shipments and 77 per cent of total Canadian manufacturing shipments. The results showed that Canadian manufacturing industries in 1965 were much more concentrated than their United States counterparts in 1963. Of the 116 industry groupings in the sample, 98 were significantly more highly concentrated in Canada than in the United States.

Finally, tests were made to determine the differences in indicated levels of concentration resulting from the use of the Canadian and United States systems of industry classification. Levels of concentration in 231 United States manufacturing industries were compared with levels of concentration in the same industries when combined into 116 industry groups comparable to the Canadian industry classifications. When concentration in each of 231 American industries was measured separately, 11 of them accounting for 15.17 per cent of the shipments in the sample were in the highly concentrated range. When the same industries were combined into 116 industry groups comparable to Canadian classifications, only 3 of the groups emerged in the highly concentrated range.

Thus, it appears that the level of manufacturing concentration in Canada would be far higher than as shown in this Report if the American system of industry classification could have been used. It is, however, beyond the scope of this Report to decide which classification provides the best basis for a concentration study. The Canadian classifications clearly err in the direction of being too broad and of leading to understatements of concentration. However, some critics have contended that the American classifications err in the other direction.

CHAPTER I

INDUSTRIAL CONCENTRATION: CONCEPTS AND MEASUREMENT

The Concept of the Industry

Industrial concentration, connotes a measure of the extent to which a small number of firms account for a large proportion of an industry's output.¹ Such measures are designed to indicate the degree to which the structure of an industry can be characterized as competitive.

Economic theory and actual experience suggest that the level of concentration is an important determinant of market behaviour. Other things being equal, the smaller the number of leading firms which account for a large proportion of an industry's output, the more likely it is for monopolistic practices to prevail. In highly concentrated industries, firms have considerable latitude and discretionary power in making decisions regarding price, output and other related matters. They have this power because the presence of only a few rivals enables them to act inter-dependently. On the other hand, when industry concentration is low, the existence of many rival firms forces each to behave independently, and firms have less discretionary power over prices, output and related factors. In the latter case, market forces rather than individual firms determine the levels of prices and output.

The rationale of industry concentration ratios was expressed by Joe S. Bain in the following terms:

"If we wish to view concentration as a structural determinant of competition, it is the degree of concentration *within each group of competing firms* which will presumably be the strategic influence, and we naturally inquire about the degree of concentration within individual industries."² (emphasis by Joe S. Bain).

One of the practical difficulties of obtaining satisfactory industry concentration ratios is in classifying industries so that each approximates a group of competing firms. In a sense, all sellers compete with one another for the buyer's dollar. However, competition in the more direct and relevant sense occurs when firms offer to a common group of buyers products which are close substitutes for one another. Products are close substitutes when a change in selling price of one significantly affects the demand for the others.³

¹ Rosenbluth, Gideon – "Measures of Concentration" in *Business Concentration and Price Policy*, N B E R Princeton (1955), page 57.

² Bain, Joe S. – *Industrial Organization*, John Wiley & Sons Inc., New York, (1967) page 109.

³ *Ibid*, page 109

Ideally, industries should be classified to conform with the foregoing concepts of conditions of supply and demand. On the supply side, the firms should offer similar products to a common market. On the demand side, the similarity of the products should relate to their substitutability in use. It is, of course, impossible in practice to classify actual industries in such an ideal way. The various products produced by the different firms in an industry may not all be close substitutes, or similar products may be produced in different industries. Furthermore, the geographic demarcation of markets may vary even within a single industry.

In developing concentration measures, dependence must be placed largely upon the industry or product classifications already established in official statistics. In Canada the Dominion Bureau of Statistics collects data on an industry basis. The concentration figures in this Report are therefore based on industry rather than product statistics. The industry as defined in the *Canadian Standard Industrial Classification Manual* "is composed of establishments engaged in the same or a similar line of economic activity".⁴ The line of economic activity is defined in terms of the commodities produced, and the criteria include end use or chief component materials of the commodities.⁵

Choice of Industries

The source of statistics for this Report was the 1965 Census of Manufactures of the Dominion Bureau of Statistics. The various manufacturing industries as defined by D.B.S. could be used unchanged; two or more industries could be combined; individual industries could be sub-divided, or particular industries could simply be rejected as unsatisfactory for measuring concentration.

In deciding upon which industries to reject, a compromise had to be made between the desirability of having a comprehensive study and the need to avoid publication of concentration ratios which would be seriously misleading. In a few cases industries were combined or sub-divided in order to bring them into closer conformity with the concepts of the industry mentioned earlier.⁶ The scope for subdividing industries was, however, seriously restricted by the fact the resultant classifications had to consist of enough producers to avoid disclosure of statistics pertaining to individual enterprises or establishments. In most cases it was found best either to use or reject industries as already defined.

The most common reason for rejecting an industry was that it consisted of two or more separate groups of firms each serving a distinct market. However, such an industry was only rejected if the classified products were very heterogeneous and it was believed that the statistics would be seriously misleading. For example, an industry was not rejected when the value of one product was much greater than that of the other, or where the leading firms produced both products.

⁴ Dominion Bureau of Statistics: *Standard Industrial Classification Manual*, 1960, Cat. No. 12-501 (occasional), page 7.

⁵ *Ibid*, page 7

⁶ See Appendix B for a description of each industry.

After the process of screening, combining and subdividing of industries, concentration data were obtained for 159 industries as defined for purposes of the present study.⁷ The value added⁸ by those industries was equivalent to about 94 per cent of the total value added by all manufacturing industries in 1965. Concentration data of all those industries are contained in the detailed tables in Appendix A.

In addition, two ratios have been calculated for each industry which are designed to assist in evaluating the suitability of the industry as a base for measuring concentration.⁹ These are the Primary Product Specialization Index and the Coverage Index.

The Primary Product Specialization Index (PPSI) measures the extent to which plants classified in an industry specialize in making products regarded as primary to that industry. Value of shipments of products primary to the industry are expressed as a ratio of the total value of shipments of all products by the industry.¹⁰ For example, if poultry products are the only products primary to the Poultry Processing Industry, then the PPSI will express the total value of poultry products shipped by the industry as a percentage of the total value of products of all kinds shipped by the industry.

The Coverage Index (C I) measures the extent to which shipments of products primary to an industry are made by plants classified in that industry. It is the value of shipments of products primary to that industry as a ratio of total shipments of those products by all industries. For example, the Coverage Index of the Poultry Processing Industry would be less than one hundred to the extent that poultry products were also shipped by other industries.

It was found for the most part that the existing D.B.S. industry classifications yielded quite high Primary Product Specialization Indexes and Coverage Indexes.

Units of Economic Activity

Statistics are presented on the basis of the manufacturing *establishment* as defined by D.B.S. and on the basis of the manufacturing *enterprise* as defined for purposes of the present study. The D.B.S. defines an *establishment* as:

“The smallest unit which is a separate operating entity capable of reporting the following principal statistics:

- Materials and supplies used
- Goods purchased for resale as such
- Fuel and power consumed
- Number of employees and salaries and wages

⁷See Appendix B for the names of the excluded industries.

⁸Value added is equivalent to value of shipments less cost of materials, fuel and electricity. Value of shipments are adjusted for value of inventories.

⁹See Appendix C for details.

¹⁰Excluding miscellaneous activities such as contract and commission work on materials owned by others, receipts from repair work and sales of scrap and refuse.

Manhours worked and paid
Inventories
Shipments or sales"¹¹

The establishment is the best approximation to the technological unit of production in manufacturing for which statistics are available.

An *enterprise*, for purposes of measuring concentration in individual manufacturing industries in this Report, is defined as all manufacturing establishments in a single manufacturing industry which are under common control. Most manufacturing enterprises each consist of only one establishment, such as one sawmill or one dairy. However, the definition allows for even the large conglomerate enterprise which controls numbers of plants in several industries. Under the definition, all the establishments in Industry A under control of Conglomerate X would be defined as one enterprise in Industry A. All the establishments in Industry B under control of Conglomerate X would be one enterprise in Industry B, and so on. Any holdings of the conglomerate other than manufacturing establishments are excluded from the definition of an enterprise and from the statistics. The methods used in combining establishments into enterprises are described in Appendix C. The enterprise, as herein defined, is intended to approximate the economic decision-making unit with regard to prices and related matters.

Measures of Concentration

Given the industry classifications and the units of activity, whether establishments or enterprises, there remain the questions of what units to use as measures of economic activity or size and how to present the resultant statistics in order to indicate levels of concentration.

Value of assets, numbers employed, value of shipments and value added have been the most frequently used indicators of economic activity for measuring concentration. All have their merits and all present certain problems, both conceptual and technical.¹² For purposes of the present Report, statistics of assets were not available at the industry level but those of value of shipments, value added and employment were. Value of shipments was chosen as the principal measure because it provides a good approximation of the concept of a market.¹³ However, measures of concentration in terms of employment and of value added are also presented in the study.

¹¹ *Manufacturing Industries of Canada*; Section A, Summary for Canada, 1965, Ottawa, page 37 (Cat. No. 31-203).

¹² For a discussion of the various units refer:

(i) Adelman, M.A. "Measurement of Industrial Concentration" *Review of Economics and Statistics*, (1951)

(ii) Stigler, G.J. "*The Organization of Industry*", Richard Irwin Inc., I11. (1968)

(iii) Rosenbluth, Gideon *Op. cit.*, page 57 n.

(iv) Appendix of this Report

¹³ Stigler, G.J. *Op. cit.*, page 30.

Having decided upon the units of measurement, the next question was how they could best be used to portray levels of concentration. Basically, what is required is to portray the size distribution of the firms in an industry in a manner best suited to assessing the degree to which the industry is structurally competitive. Moreover, in dealing with a large number of industries, the measure should be simple, and of a kind to permit inter-industry comparisons and facilitate comparisons with similar industries in other countries. Also, the measure must be such as to preserve the confidentiality of individual firms. Economists agree that there is no single measure which meets all the requirements ideally.¹⁴ In the present Report, the measures adopted are:

Inverse Indexes, showing the numbers of enterprises or establishments required to account for 80 per cent of the value of factory shipments or employment respectively in each industry.

Industry Concentration Ratios, showing the percentage of the value of factory shipments accounted for by the largest 4, 8, 12, 16, 20 and 50 enterprises or establishments in each industry.

Herfindahl Indexes, based upon employment, value of factory shipments and value added respectively.

The number of firms accounting for 80 per cent of employment was the principal measure used in the study by Gideon Rosenbluth¹⁵ of concentration in Canadian manufacturing industries in 1948. The desirability of facilitating comparisons with earlier years is a sufficient reason for presenting those measures in the present Report. A virtue of the measure is that it allows for inter-industry comparisons by focusing attention on a large proportion of an industry's economic activity.

Concentration ratios have been widely used in the United States and have been found to be extremely useful. Moreover, international comparisons are facilitated by using the same measure in Canada. The measure has the virtue of providing the maximum of detail with respect to the largest firms in each industry. By and large, the state of competition is determined by the size distribution of the largest firms in an industry. The principal difficulty presented by the measure is in attempting to compare levels of concentration in different industries. For example, it is not uncommon for the first four firms in Industry A to have a larger share of their market than the first four firms of Industry B have of their market, but for the reverse to be the case for the largest eight firms in the two industries. In such instances there is no entirely objective way of deciding which of the two industries should be described as the more highly concentrated.

¹⁴ (i) Rosenbluth, Gideon *Op. cit.*, page 57 n.

(ii) Stigler, G.J. *Op. cit.*, page 30 n.

(iii) Singer, E. *Anti-trust Economics*, Prentice-Hall Inc., New Jersey, (1968) Especially Chap. 13.

¹⁵ Rosenbluth, Gideon *Concentration in Canadian Manufacturing Industries*, N.B.E.R., Princeton, (1957).

In dealing with the foregoing problem it is often helpful to know how much divergence in size there is among the enterprises and among establishments within a size group. The level of concentration tends to vary directly with the divergence within size groups. The present Report presents measures of standard deviation¹⁶ and coefficient of variation¹⁷ for each size group of enterprises. The first reflects absolute size differences and the second reflects relative size differences within the size groups.

The Herfindahl Index is the sum of the squares of each firm size expressed as a ratio or percentage of total industry size. The index varies up to a maximum value of one hundred which signifies monopoly. By a single index it takes account both of the number of firms in an industry and of their relative sizes. As such it is particularly useful for ranking industries according to levels of concentration.

$$^{16}\text{Formula: } S = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n}}$$

where x_i is the value of factory shipments of the i th to n th firm and \bar{x} is the mean.

$$^{17}\text{Formula: } V = \frac{S}{\bar{x}}$$

This can be expressed as a ratio or in terms of a percentage.

CHAPTER II

CONCENTRATION LEVELS IN CANADIAN MANUFACTURING INDUSTRIES, 1965

General Measures of Concentration of Economic Power

The concentration of economic power is closely associated with the corporate form of business organization. For various economic, technical and legal reasons which are well known,¹ large business undertakings are nearly always incorporated. The corporate form of business organization has been extended to nearly all sectors of the economy. Table II-1 contains selected statistics of corporations by asset size groups and by economic sectors for the year 1965.

There were nearly 170,000 active corporations in Canada of which approximately 167,000 each had assets valued at less than \$5 million. Thousands of these relatively small corporations accounted for the greater part of corporate economic activity in agriculture, services, wholesale and retail trade and construction. Some of those economic activities, notably farming and services, are carried out to a considerable extent by individual proprietors, professional persons or tradesmen operating independently. The individual proprietor also plays a continuing although declining role in trade and construction. Though concentration of corporate activity in wholesale and retail trade as a whole is low, there are some large corporate retail chains, department stores and wholesalers.

In the spheres of manufacturing, mining, utilities and finance, the corporate form of business organization is virtually universal. Moreover, corporations each with assets greater than \$5 million account for the greater part of activity in those sectors. With regard to utilities, many of the large corporations are publicly owned or under some degree of public control. It is in finance, manufacturing and mining that the greatest concentrations of private economic power occur. A total of fifty corporations, each with assets of \$100 million and over accounted for 40 per cent of total assets in manufacturing; 16 such corporations accounted for 37 per cent of total assets in mining; and in the financial sector eighty such corporations accounted for 62 per cent of total assets.

While manufacturing is not the only sector of the economy where high concentration occurs, the need for additional information about it is particularly acute. There already exists a considerable amount of information about the structure of the financial sector² and of mining³. The manufacturing sector in Canada is large and important and it is desirable to add to the knowledge of its structure. In 1965, manufacturing activity accounted for approximately 25 per cent of gross domestic product at factor cost, 25 per cent of employment, and 28 per cent wages and salaries.

¹ See for example, Bain, Joe S. - *Op. Cit.*, pages 68-79.

² See especially Report of the *Royal Commission on Banking and Finance*, Ottawa, 1964.

³ Refer: Department of Energy, Mines and Resources, *Canadian Minerals Year Book*, Ottawa.

TABLE II-1

SELECTED STATISTICS OF CORPORATIONS IN CANADA, BY ASSET SIZE GROUP AND ECONOMIC SECTORS, 1965

Sectors Corporation Size	Manufacturing	Agri- culture, Forestry, Fishing	Mining	Const- ruction	Utilities	Wholesale Trade	Retail Trade	Services	Sub-total	Finance, Insurance, Real Estate	Grand Total
	All Corporations										
Total No. of Corporations	21,500	4,747	3,858	15,331	7,111	20,691	23,999	21,294	118,531	50,601	169,132
Total Assets (\$mil.)	32,101	842	9,091	3,591	15,784	7,298	5,243	3,346	77,296	81,660	158,956
Total Sales (\$mil.)	37,133	656	3,235	5,900	5,737	17,017	12,846	2,864	85,388	9,785	95,174
Total Profits (\$mil.)	3,104	32	655	158	602	460	333	161	5,505	1,957	7,462
Corporations With Assets \$100mil. and over											
Total No. of Corporations	50	-	16	1	17	3	7	-	94	80	174
% of Total Assets in the Sector	40.1	-	37.2	(x)	72.7	5.7	18.4	-	37.6	61.7	50.1
% of Total Sales in the Sector	31.8	-	44.2	(x)	52.1	7.4	16.8	-	23.0	42.4	25.0
% of Total Profits in the Sector	45.9	-	46.1	(x)	63.9	4.8	21.7	-	40.1	43.4	40.9
Corporations With Assets \$5mil. - \$99.9mil.											
Total No. of Corporations	654	9	198	78	137	171	60	50	1,357	830	2,187
% of Total Assets in the Sector	37.2	15.2	46.2	(x)	18.9	29.4	19.7	18.6	31.1	22.1	26.4
% of Total Sales in the Sector	34.9	5.5	40.7	(x)	19.8	25.6	14.9	6.6	27.0	29.2	27.2
% of Total Profits in the Sector	36.4	25.6	48.9	(x)	19.5	31.2	23.7	12.0	33.8	36.8	34.7
Corporations With Assets less than \$5mil.											
Total No. of Corporations	20,796	4,738	3,644	15,252	6,957	20,517	23,932	21,244	117,080	49,691	166,771
% of Total Assets in the Sector	22.7	84.8	16.6	74.1	8.4	64.9	61.9	81.4	31.3	16.2	23.5
% of Total Sales in the Sector	33.3	94.5	15.1	81.1	28.1	67.0	68.3	93.4	50.0	28.4	47.8
% of Total Profits in the Sector	17.7	74.4	5.0	81.6	16.6	64.0	54.6	88.0	26.1	19.8	24.4

Source: Special Tabulation, Corporations and Labour Unions Returns Act, Dominion Bureau of Statistics.

General Measures of Concentration in Manufacturing

Most of the special tabulations of enterprises obtained for the present Report were based upon the definition of an enterprise as consisting of all establishments under common control in a single manufacturing industry. In addition, however, it proved possible to obtain tabulations in which the manufacturing enterprise is defined as consisting of all establishments under common control in all manufacturing industries. Data based upon the latter concept are presented in Tables II-2 and II-3.

TABLE II-2

SELECTED STATISTICS OF THE LARGEST CANADIAN MANUFACTURING ENTERPRISES, 1965

Largest Manufacturing Enterprises	Number of Industries	Establishments		Industry Value Added		Industry Value of Factory Shipments		Industry Employment	
		Number	Percent of Total	\$ Bil.	Percent of Total	\$ Bil.	Percent of Total	Number	Percent of Total
4 Largest	29	117	.35	1.15	7.67	1.86	5.47	81,864	5.21
8 "	41	160	.48	1.79	11.99	3.50	10.33	135,478	8.62
12 "	46	213	.63	2.32	15.52	4.83	14.24	180,956	11.52
20 "	78	463	1.38	3.15	21.07	6.82	20.11	259,926	16.55
50 "	101	857	2.57	4.98	33.37	10.78	31.80	408,290	26.00
100 "	114	1,263	3.79	6.49	43.46	14.25	42.04	541,208	34.46
Totals (all industries)	176(a)	33,310	100.00	14.93	100.00	33.89	100.00	1,570,298	100.00

(a) All manufacturing industries as defined in the Annual Census of Manufacturing industries of Canada.

Source: Special Tabulation, Manufacturing and Primary Division, Dominion Bureau of Statistics, Ottawa.

Table II-2 provides measures of the size of the largest manufacturing enterprises without reference to the particular market or markets in which they operate. The fifty largest enterprises accounted for over a third of the total value added by all manufacturing industries. The table also shows the significance of multi-establishment ownership as a factor in the general level of concentration in Canadian manufacturing industries. The four largest enterprises together controlled a total of 117 manufacturing establishments in 29 industries, and the largest hundred enterprises controlled 1,263 manufacturing establishments.

Table II-3 provides further evidence that bigness in manufacturing is also associated with conglomerate enterprises which operate in more than one industry. For example, there were 31 manufacturing enterprises each of which had establishments in six or more industries. These enterprises accounted for approximately 17 per cent of total value of factory shipments of all manufacturing industries in 1965. At the other extreme, there were over 30,000 enterprises which accounted for about half the total value of factory shipments in manufacturing and operated for the most part in one industry with one establishment.

TABLE II-3

**MANUFACTURING ENTERPRISES, BY NUMBERS OF INDUSTRIES
IN WHICH EACH HAD ESTABLISHMENTS, 1965**

Enterprises Having Establishments in	Number of Enterprises	Number of Establishments	Value of Factory Shipments (\$'000)
1 industry only	29,895	30,780	16,189,655
2 industries	305	996	3,786,334
3 industries	79	425	8,077,389
4 industries	22	215	
5 industries	16	200	
6 industries	11	140	2,134,294
7 industries	9	139	990,442
8 industries	4	108	528,505
9 industries	3	62	2,182,806
11 industries	1	41	
12 industries	1	61	
13 industries	1	63	
18 industries	1	80	
Total	30,348	33,310	33,889,425

Source: Special Tabulation, Manufacturing and Primary Industries Division, Dominion Bureau of Statistics, Ottawa.

Concentration by Individual Manufacturing Industries

Detailed statistics pertaining to concentration in 159 individual manufacturing industries were obtained and are presented in Appendix A. Five of them have been excluded from the summary tables in the present and succeeding chapters because of their heterogeneous product composition.⁴ The 154 manufacturing industries which are included in the summary tables which follow accounted for 88 per cent of total value added by all manufacturing industries in 1965.

⁴These are Standard Industrial Classification numbers 2610, 2660, 3030, 3060, and 3150.

The Inverse Indexes

For purposes of exposition and summarization, 154 manufacturing industries have been classified by the following value ranges of the inverse indexes:

Number of Enterprises Accounting for 80% of Factory Shipments or Employment	Description of Level of Concentration ⁵
4 or fewer	very high
Over 4 to 8	high
Over 8 to 20	fairly high
Over 20 to 50	fairly low
Over 50	low

As with other measures of concentration, the inverse indexes leave considerable scope for interpretation in the light of factors which affect competitive conditions in an industry. There is no question that an index of four or fewer indicates a very high degree of concentration nor that an index of fifty or over indicates a low degree of concentration. However, in intermediate ranges of the index the actual levels of concentration depend to an important degree upon the size distribution of the largest firms which together account for 80 per cent of shipments or production. For example, an industry with an inverse index of 15 is much more highly concentrated if one of the 15 firms is dominant in size than if all 15 firms are of similar size.

TABLE II-4
154 MANUFACTURING INDUSTRIES, RANKED BY NUMBER
OF LARGEST ENTERPRISES ACCOUNTING FOR 80%
OF FACTORY SHIPMENTS, 1965

Inverse Index(a)	Industries		Industry Value of Factory Shipments		Industry Valued Added		Industry Employment	
	Number	Percent of Total	\$ Bil.	Percent of Total	\$ Bil.	Percent of Total	Number	Percent of Total
Up to 4	31	20.13	8.06	26.49	2.99	22.77	211,545	15.82
over 4 to 8	29	18.83	3.06	10.05	1.43	10.91	146,021	10.92
over 8 to 12	13	8.44	2.17	7.13	1.07	8.16	93,461	6.99
over 12 to 16	16	10.39	2.55	8.37	1.38	10.49	136,468	10.21
over 16 to 20	8	5.20	1.80	5.92	.89	6.79	79,432	5.94
over 20 to 50	31	20.13	6.10	20.04	2.27	17.32	268,558	20.09
over 50	26	16.88	6.68	22.00	3.09	23.56	401,487	30.03
Total	154	100.00	30.42	100.00	13.12	100.00	1,336,972	100.00

(a) Number of largest enterprises accounting for 80 per cent of factory shipments in each industry.
Source: Tables A-1, A-2 (Appendix)

⁵These characterizations are similar to those of Gideon Rosenbluth, *op. cit.*, pages 15-17.

Table II-4 and Chart II-1 summarize levels of concentration in 154 individual manufacturing industries as measured by the number of enterprises required to account for 80 per cent of the total factory shipments of an industry. Sixty industries accounting for a third of total value added by the sample were highly or very highly concentrated in that eight or fewer enterprises accounted for 80 per cent of shipments in each industry. Of those sixty industries, 31 industries accounting for 23 per cent of the value added of the sample were very highly concentrated in that four or fewer enterprises accounted for 80 per cent of shipments in each industry.

Table II-5 summarizes concentration levels by major industry groups, and indicates what proportion of each group was included in the sample of 154 industries. Concentration data were obtained for industries accounting for between 80 and 100 per cent of each of 16 of the 20 major groups. The coverage of the other four groups varied from only 14 per cent of the Furniture and Fixture group and 35 per cent of the Metal Fabricating group to 73 per cent of the Primary Metal group.

The prevalence of highly concentrated industries does vary from one major industry group to another, but no clear pattern on that basis appears to emerge. Most of the large industry groups contain industries with a wide range of concentration levels. That applies, for example, to such major groups as Food and Beverages, Textiles, Clothing, Wood Industries and Paper and Allied Industries. In some other instances major industry groups consist of only a few industries, as in the case of the Printing, Publishing and Allied Industry group. That group has been classified into just two industries, both of which have low concentration levels. Similarly, there are just two industries in the Tobacco Products group, both of which are highly concentrated.⁶

Inverse indexes in terms of the number of enterprises required to account for 80 per cent of employment in each industry are summarized in Table II-6 and Chart II-2. They reveal concentration levels which, while high, are lower than the levels indicated on the basis of shipments. The differences are particularly marked in the areas of very high and low concentration. In terms of employment, 24 industries which accounted for 12 per cent of employment were very highly concentrated; in terms of shipments, 31 industries which accounted for 26 per cent of shipments were very highly concentrated. The extent of the divergence of the two inverse measures of concentration is further analysed in Appendix D.

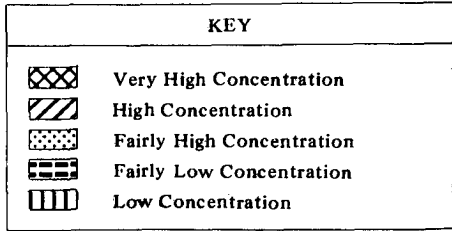
Industry Concentration Ratios

The top four enterprise concentration ratios for 154 manufacturing industries are summarized in Table II-7 and Chart II-3 below. As with the treatment of the inverse indexes, the question of how to interpret the findings in the case of industry concentration ratios arises. Any interpretation must take account of the fact that there are factors other than the number and size distributions of domestic producers which influence competitiveness within markets. Professor Bain, after making these and other

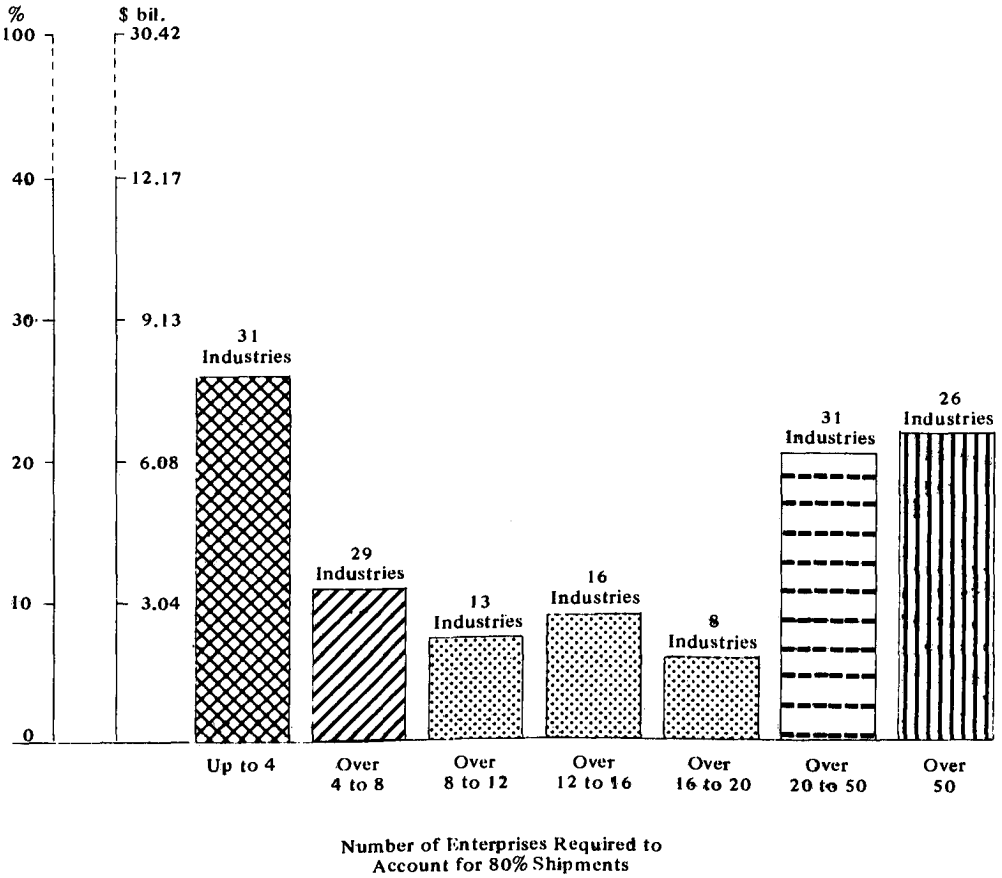
⁶In contrast to this lack of any apparent pattern, a rough inverse relation was found to exist between size of industry and degree of concentration.

CHART II-1

154 Manufacturing Industries, Ranked by Number of Largest Enterprises Accounting for 80% of Factory Shipments, 1965



Value of Factory Shipments in the Sample



Source: Table II-4

TABLE II-5

**154 MANUFACTURING INDUSTRIES, CLASSIFIED BY MAJOR INDUSTRY GROUPS AND BY
THEIR INVERSE INDEXES OF CONCENTRATION, 1965**

Major Group	No. of Enterprises required to account for 80% factory shipments		Up to 4		Over 4 to 8		Over 8 to 12		Over 12 to 16		Over 16 to 20		Over 20 to 50		Over 50		Total Sample		
	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments	
																		\$ mil.	% of All Industries
Food and Beverages	7	16.95	2	1.96			1	2.92			5	45.13	4	33.04	19	6,428.8	100.00		
Tobacco Products	2	100.00													2	379.8	100.00		
Rubber Industries	2	61.66					1	38.34							3	474.5	100.00		
Leather Industries			1	18.28	1	4.34							2	77.38	4	329.4	100.00		
Textile Industries	4	42.67	4	13.53	4	26.81				2	13.80	2	3.17		16	1,175.5	92.07		
Knitting Mills														2	100.00	2	308.8	100.00	
Clothing Industries	2	.60			2	1.60	2	9.15	1	6.01	7	33.88	7	48.75	21	1,044.6	98.98		
Wood Industries	1	2.34			1	1.39	1	1.77	1	.95	2	17.94	2	75.60	8	1,435.5	96.49		
Furniture & Fixtures Industry					1	76.86					1	23.14			2	73.9	14.07		
Paper & Allied Industries			2	8.71	1	36.88	1	4.19	1	36.14	2	14.08			7	2,882.2	100.00		
Printing, Publishing & Allied Ind.													2	100.00	2	1,085.2	100.00		
Primary Metal Industry	3	76.21	1	9.53	1	6.21					1	8.04			6	2,083.4	72.99		
Metal Fabricating Industry	1	7.16					1	6.52	1	21.99	2	27.35	2	36.98	7	1,693.0	68.63		
Machinery Industry			2	89.05	1	10.95									3	438.2	35.47		
Transportation Equipment Industry	3	59.84	2	17.31								2	22.21	1	.64	8	3,865.0	100.00	
Electrical Products Industry	1	2.84	2	22.59	2	34.67	2	28.10				1	11.79		8	1,902.4	100.00		
Non-metallic Mineral Industry	3	20.96	2	19.38	1	9.22			1	4.70	1	1.50	1	44.22	9	909.0	87.57		
Petroleum & Coal Industry	1	98.90					1	1.10							2	1,430.6	100.00		
Chemical & Chemical Products Ind.	1	4.21	4	26.43			2	47.45	1	5.89	2	16.00			10	1,759.8	89.18		
Miscellaneous Industry			7	18.17			2	28.51			3	16.23	3	37.09	15	719.5	82.82		

Source: Table II-4 and Table A-1 (Appendix)

TABLE II-6
154 MANUFACTURING INDUSTRIES, RANKED BY NUMBER
OF LARGEST ENTERPRISES ACCOUNTING FOR 80%
OF EMPLOYMENT, 1965

Inverse Index ^(a)	Industries		Industry Employment	
	Number	Percent of Total	Number	Percent of Total
Up to 4	24	15.59	160,805	12.02
Over 4 to 8	32	20.78	185,845	13.91
Over 8 to 12	13	8.44	60,165	4.50
Over 12 to 16	15	9.74	129,473	9.68
Over 16 to 20	10	6.49	115,326	8.63
Over 20 to 50	33	21.43	270,618	20.24
Over 50	27	17.53	414,740	31.02
Total	154	100.00	1,336,972	100.00

(a) Number of largest enterprises accounting for 80 per cent of employment in each industry.
Source: Table A-1 (Appendix)

reservations, expressed the following view with respect to the interpretation of concentration ratios in the United States:

“The Census fourfold classification (75 to 100 per cent by four, 50 to 75 per cent by four, and so forth) is probably better than a dichotomy. It permits us, in the four classes, to recognize in a rough and ready fashion ‘highly concentrated oligopoly’, ‘moderately concentrated oligopoly’, ‘slightly concentrated (or low-grade) oligopoly’, and ‘atomism’, though perhaps the lines between classes are not drawn at just the best places.”⁷






The same approach is adopted herein. It should be noted, however, that in applying it to Canadian data a somewhat higher degree of market concentration becomes acceptable. This is primarily due to the smaller size of markets in Canada relative to those in the United States.

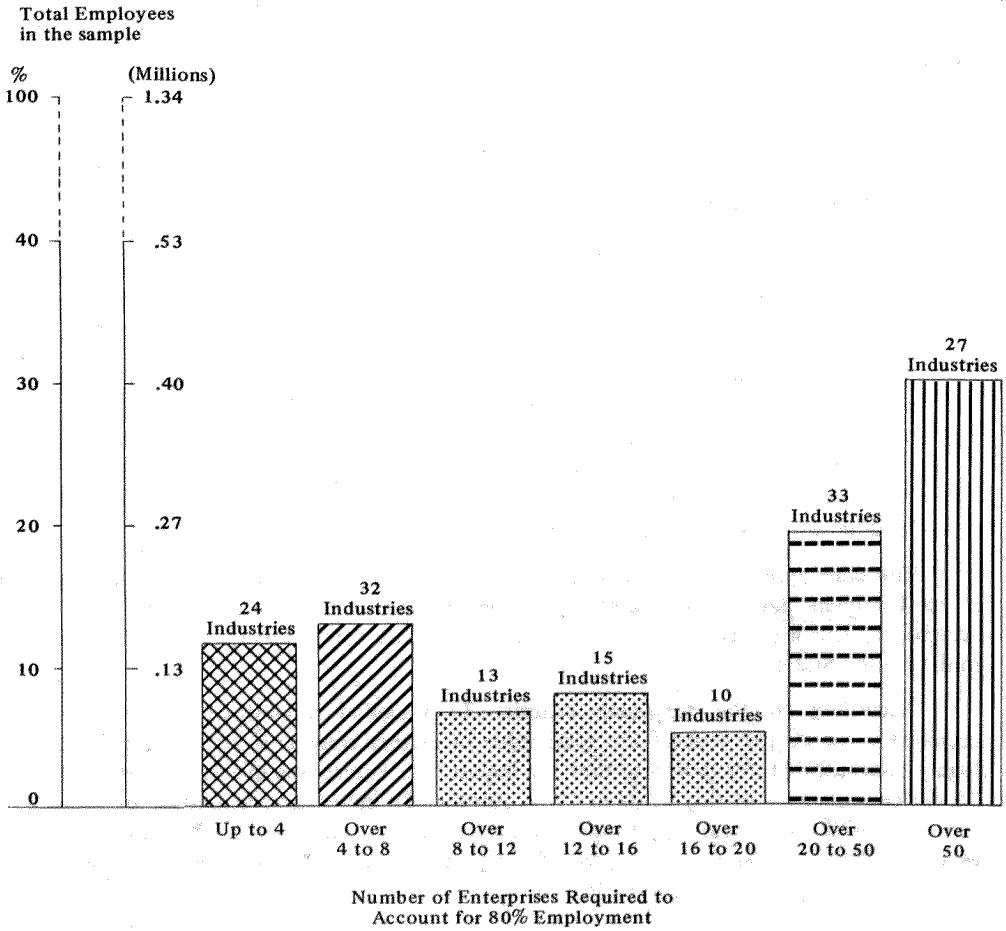
According to the foregoing criteria, 39 Canadian manufacturing industries accounting for 30 per cent of the total value of factory shipments in the sample were highly concentrated oligopolies in that the largest four enterprises in each accounted for 75 per cent or more of shipments in 1965. Another 38 industries accounting for 19 per cent of the shipments in the sample were moderately concentrated oligopolies. The remaining 77 industries accounting for 50 per cent of shipments were either only slightly concentrated or structurally competitive.

⁷Bain, Joe S. – *Op. Cit.*, page 124.

CHART II-2

154 MANUFACTURING INDUSTRIES, RANKED BY NUMBER
OF LARGEST ENTERPRISES ACCOUNTING FOR 80%
OF EMPLOYMENT, 1965

KEY	
	Very High Concentration
	High Concentration
	Fairly High Concentration
	Fairly Low Concentration
	Low Concentration



Source: Table II-6

TABLE II-7

**154 MANUFACTURING INDUSTRIES, RANKED BY PERCENTAGE
OF FACTORY SHIPMENTS ACCOUNTED FOR BY THE
TOP FOUR ENTERPRISES, 1965**

Top Four Enterprise Concentration Quartiles	Industries		Industry Value of Factory Shipments		Industry Valued Added		Industry Employment	
	Number	Percent of Total	\$ Bil.	Percent of Total	\$ Bil.	Percent of Total	Number	Percent of Total
75 - 100%	39	25.32	9.16	30.13	3.56	27.14	268,319	20.07
50 - 74%	38	24.68	5.89	19.35	2.37	18.09	258,838	19.36
25 - 49%	50	32.47	10.85	35.67	4.90	37.32	493,828	36.94
Up to 24%	27	17.53	4.52	14.85	2.29	17.45	315,987	23.63
TOTAL	154	100.00	30.42	100.00	13.12	100.00	1,336,972	100.00

Source: Table A-1, A-2 (Appendix)

Table II-8, which may be compared with Table II-5, provides a breakdown of the top four enterprise concentration ratios into major industry groups. The patterns of industry concentration as portrayed in the two tables are very similar.

Herfindahl Index

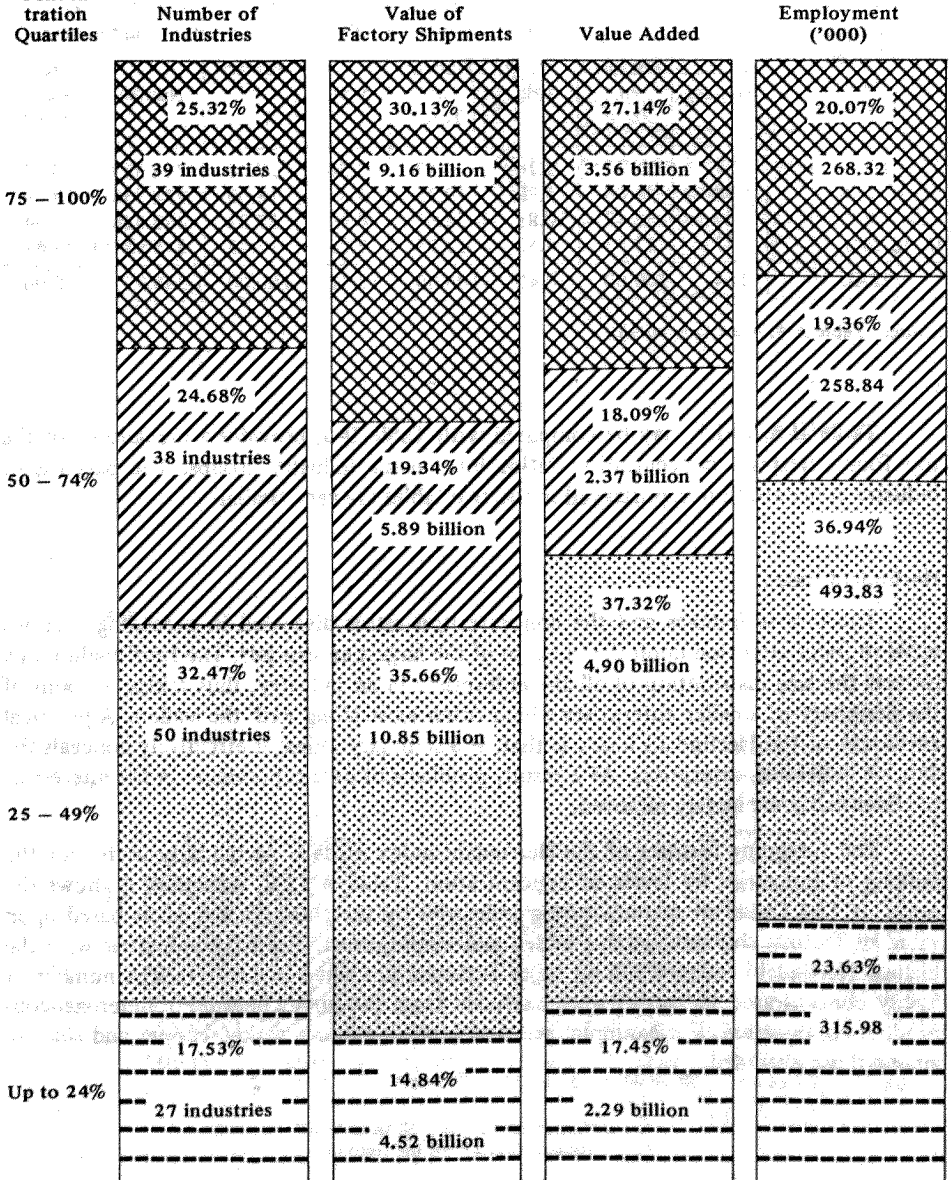
The inverse indexes and the concentration ratios discussed in preceding sections serve to focus attention upon the position of the largest enterprises. The Herfindahl index reflects the size distribution of all the enterprises in an industry, thus taking account of the periphery of smaller enterprises which often exist along with the leaders. A practical advantage of the Herfindahl index is that, as a summary index, it effectively conceals the data of individual enterprises. As a result, problems of data suppression in the interest of confidentiality are largely removed.

The foregoing features of the Herfindahl index made it particularly useful for the ranking of industries by levels of concentration. Table A-12 in Appendix A shows the ranks of 154 Canadian manufacturing industries by the Herfindahl indexes based upon value of factory shipments, value added and employment. The fifty industries with the highest Herfindahl indexes among those surveyed are listed in Table II-9. A number of highly concentrated industries were excluded from the survey because of heterogeneous product composition. For example, processors of aluminum, nickel, copper and zinc are among those excluded.

CHART II-3

DISTRIBUTION OF MANUFACTURING INDUSTRIES BY THE TOP FOUR ENTERPRISE CONCENTRATION RATIO QUARTILES

Top Four Enterprise Concentration Quartiles



Source: Table II-7

TABLE II-8

**MANUFACTURING INDUSTRIES, CLASSIFIED BY MAJOR INDUSTRY GROUPS AND BY
THEIR TOP 4 ENTERPRISE INDUSTRY CONCENTRATION RATIO, 1965**

Major Group	Concentration Quartile		75% and Over		50 to 74%		25 to 49%		Up to 24%		Total Sample		
	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments as % of Total Sample of Major Group	Number of Industries	Value of Factory Shipments	
												\$ mil.	% of All Industries
Food and Beverages	7	16.94	3	24.33	8	55.73	1	2.99	19	6,428.8	100.00		
Tobacco Products	2	100.00							2	379.8	100.00		
Rubber Industries	2	61.67			1	38.33	3	474.5	3	474.5	100.00		
Leather Industries			1	18.27	1	4.34	2	77.39	4	329.4	100.00		
Textile Industries	6	46.31	6	36.70	3	15.86	1	1.13	16	1,175.5	92.07		
Knitting Mills							2	100.00	2	308.8	100.00		
Clothing Industries	2	.60	2	5.00	7	24.96	10	69.44	21	1,044.6	98.98		
Wood Industries	1	2.33	2	2.34	3	19.71	2	75.62	8	1,435.5	96.49		
Furniture & Fixtures Industry					2	100.00			2	73.9	14.07		
Paper & Allied Industries			2	8.70	5	91.30			7	2,882.2	100.00		
Printing, Publishing & Allied Ind.							2	100.00	2	1,085.2	100.00		
Primary Metal Industry	4	85.74	1	6.21	1	8.05			6	2,083.4	72.99		
Metal Fabricating Industry	1	7.11			5	84.41	1	8.48	7	1,693.0	68.63		
Machinery Industry	1	23.98	2	76.02					3	438.2	35.47		
Transportation Equipment Industry	4	70.04	2	26.65	1	2.66	1	.65	8	3,865.0	100.00		
Electrical Products Industry	1	2.84	5	70.44	2	26.72			8	1,902.4	100.00		
Non-metallic Mineral Industry	4	36.88	2	12.68	1	4.70	2	45.74	9	909.0	87.57		
Petroleum and Coal Industry	1	98.90			1	1.10			2	1,430.6	100.00		
Chemical and Chemical Products Ind.	2	15.46	3	15.17	5	69.37			10	1,759.8	89.18		
Miscellaneous Industry	1	3.41	7	38.61	4	20.87	3	37.11	15	719.5	82.82		

Source: Table II-7 and Table A-1 (Appendix)

TABLE II-9

FIFTY MANUFACTURING INDUSTRIES WITH THE HIGHEST HERFINDAHL INDEXES^(a)
 AMONG 154 INDUSTRIES SURVEYED, 1965

Herfindahl Index ^(a)	Number of Industries	Industry Rank	S.I.C. No.	Industry
35.00 and Over	6	1	3710	Explosives & Ammunition Mfrs.
		2	1830	Cotton Yarn & Cloth Mills
		3	3040-1	Mfrs. of Metal Food Cans
		4	2960	Aluminum Rolling, Casting & Extruding
		5	3290	Misc. Vehicle Mfrs.
		6	3561	Glass Manufacturers
30.00 to 34.99	8	7	2470-2	Men's Hats
		8	3230	Motor Vehicle Mfrs.
		9	2010-1	Mfrs. of Filament, Staple, Fibre and Tow
		10	1250	Breakfast Cereal Mfrs.
		11	2970	Copper & Alloy Rolling, Casting & Extruding
		12	2591	Wood Preservation
		13	1450	Breweries
		14	1530	Tobacco Products Mfrs.
25.00 to 29.99	6	15	3550	Asbestos Products Mfrs.
		16	1391	Macaroni Mfrs.
		17	2190	Linoleum & Coated Fabrics Ind.
		18	3180	Office & Store Machinery Mfrs.
		19	1510	Leaf Tobacco Processing
		20	3410	Cement Mfrs.
20.00 to 24.99	17	21	1350	Vegetable Oil Mills
		22	1430	Distilleries
		23	1330	Sugar Refineries
		24	2150	Pressed & Punched Felt Mills
		25	2470-4	Hat & Cap Makers' Materials
		26	2920	Steel Pipe & Tube Mills
		27	3814	Ophthalmic Goods Mfrs.
		28	1610	Rubber Footwear Mfrs.
		29	1630	Rubber Tire & Tube Mfrs.
		30	3570	Abrasives Mfrs.
		31	3370	Battery Mfrs.
		32	2120	Thread Mills
		33	2130	Cordage & Twine Industry
		34	2291	Auto Fabric Accessory Mfrs.
		35	3260	Railroad Rolling Stock Ind.
		36	1240	Flour Mills
		37	3988	Typewriter Supplies Mfrs.
38	3650	Petroleum Refineries		
39	3981	Button, Buckle & Fastener Ind.		
40	3760	Mfrs. of Soap & Cleaning Compounds		
41	2910	Iron & Steel Mills		
42	3210	Aircraft and Parts Mfrs.		
15.00 to 19.99	12	43	3562	Glass Products Mfrs.
		44	2720	Asphalt Roofing Mfrs.
		45	3380	Mfrs. of Electrical Wire and Cable
		46	3812	Clock & Watch Mfrs.
		47	1470	Wineries
		48	1280	Biscuit Mfrs.

		49	1720	Leather Tanneries
14.93	1	50	3110	Agricultural Implement Ind.

(a) Herfindahl Index based upon value of factory shipments.

Source: Table A-1 (Appendix)

CHAPTER III

LEVELS OF ESTABLISHMENT AND ENTERPRISE CONCENTRATION

Differences in Enterprise and Establishment Concentration

The foregoing findings relate to concentration in terms of enterprises. The enterprise as mentioned earlier, consists of all establishments in a single manufacturing industry under common control. Data pertaining to concentration in terms of manufacturing establishments were also obtained. The levels of establishment concentration and the relationships between enterprise and establishment concentration are described below.

In manufacturing, the basic technical unit of production is the establishment. To that extent concentration levels in terms of establishments tend to reflect the degrees of concentration which are made necessary by the existing technical organization of production processes. Details of establishment concentration levels are presented in Table A-3 in Appendix A. Some of the principal results are summarized in Table III-1 and Chart III-1 below.

TABLE III-1

**NUMBER OF LARGEST ESTABLISHMENTS ACCOUNTING FOR 80 PER CENT OF
FACTORY SHIPMENTS IN 154 MANUFACTURING INDUSTRIES, 1965**

Inverse Index ^(a)	Industries		Industry Value of Factory Shipments		Industry Value Added	
	Number	Percent of Total	\$ Bil.	Percent of Total	\$ Bil.	Percent of Total
Up to 4	11	7.14	2.83	9.29	.96	7.36
Over 4 to 8	27	17.53	3.81	12.53	1.79	13.64
Over 8 to 20	44	28.58	6.16	20.53	2.57	19.55
Over 20 to 50	40	25.97	7.89	25.93	3.81	29.06
Over 50	32	20.78	9.73	32.02	3.99	30.39
TOTALS	154	100.00	30.42	100.00	13.12	100.00

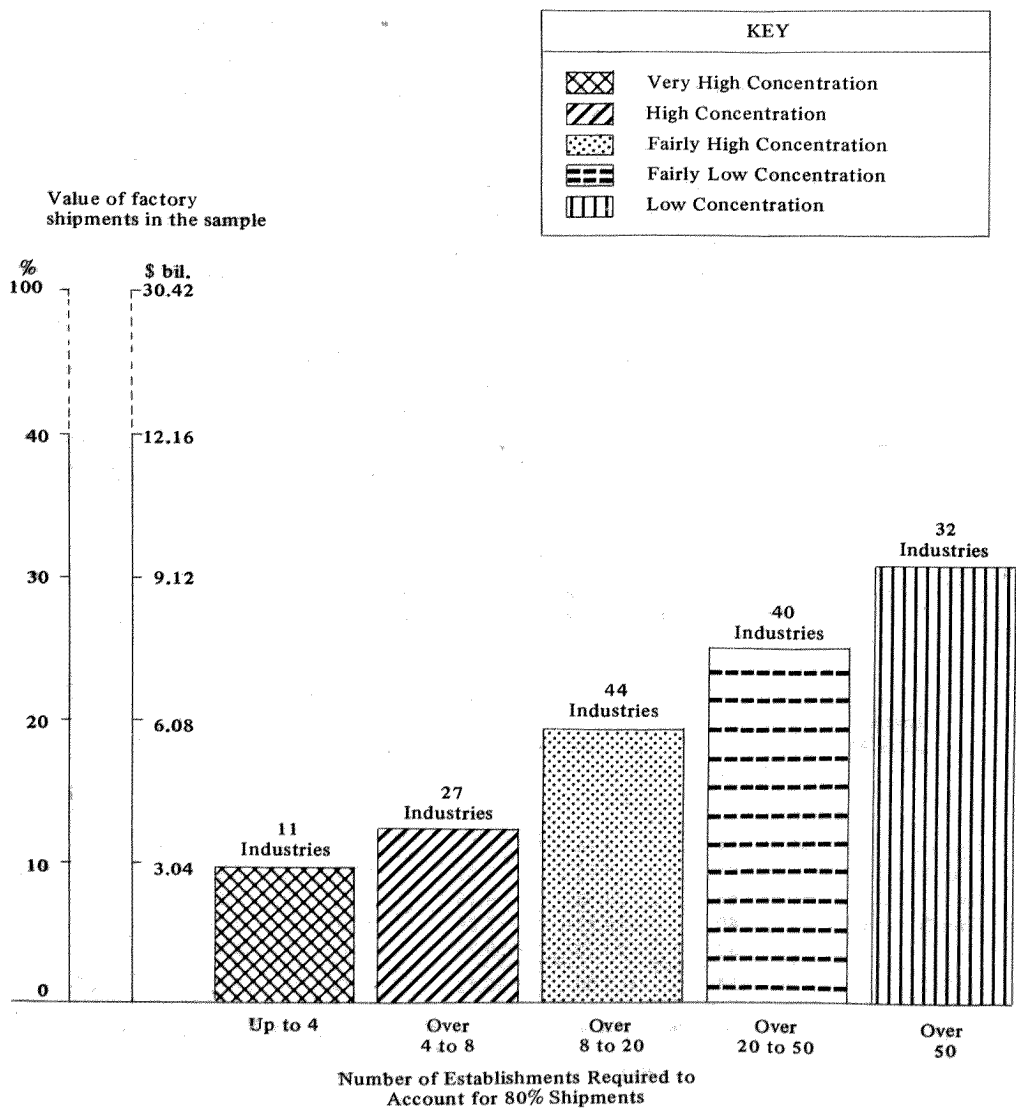
(a) Number of largest establishments accounting for 80 per cent of factory shipments in each industry.

Source: Tables A-3, A-4 (Appendix)

Within the 154 manufacturing industries analysed, there were 38 industries accounting for 22 per cent of total value of factory shipments in which eight or fewer establishments accounted for 80 per cent of factory shipments in 1965. In that sense, slightly more than one-fifth of Canadian manufacturing industries are highly concentrated in terms of establishments. However, establishment concentration levels were considerably

CHART III-1

NUMBER OF LARGEST ESTABLISHMENTS ACCOUNTING FOR 80 PER CENT OF
FACTORY SHIPMENTS IN 154 MANUFACTURING INDUSTRIES, 1965



Source: Table A-3 (Appendix) and Table III-1

lower than the enterprise concentration levels as shown in Table II-4 in Chapter II. Thus, in terms of enterprises, 37 per cent of total value of factory shipments in the sample was in industries where eight or fewer enterprises accounted for 80 per cent of factory

shipments. Whereas, 38 industries are considered highly concentrated in terms of establishments, sixty industries are considered highly concentrated in terms of enterprises.

Table III-2 herein serves to establish even more clearly the substantial divergence between enterprise and establishment concentration. The first part of the table shows the divergence in terms of numbers of industries, whereas the second part shows it in terms of industry value of factory shipments. The relative differences (Column 5) indicate that the divergence between enterprise and establishment concentration is greatest in industries of high concentration. The divergence in terms of number of industries varies from a high of approximately 64 per cent for the highly concentrated industries to a low of approximately 5 per cent for the industries with low concentration.

TABLE III-2
DIVERGENCE BETWEEN NUMBERS OF LARGEST ENTERPRISES AND NUMBERS OF LARGEST ESTABLISHMENTS ACCOUNTING FOR 80 PER CENT OF FACTORY SHIPMENTS IN 154 MANUFACTURING INDUSTRIES, 1965

Concentration Index(a)	Cumulative percentage of 154 industries with higher concentration(b) than the given index		Absolute Difference Col. (2) - Col. (3)	Relative Difference Col. (4) ÷ Col. (2) x 100
	Enterprise Concentration	Establishment Concentration		
1	2	3	4	5
4	20.13	7.14	12.99	64.53
8	38.96	24.67	14.29	36.67
12	47.40	34.41	12.99	27.40
16	57.78	47.39	10.39	17.98
20	62.99	53.23	9.76	15.49
50	83.12	79.22	3.90	4.69
	Cumulative percentage of total value of factory shipments by industries with higher concentration than the given index			
	Enterprise Concentration	Establishment Concentration		
4	26.49	9.29	17.20	64.93
8	36.54	21.82	14.72	40.28
12	43.68	27.43	16.25	37.20
16	52.06	33.52	18.54	35.61
20	57.96	42.35	15.61	26.93
50	78.00	68.28	9.72	12.46

(a) Number of largest enterprises or establishments required to account for 80 per cent of factory shipments in each industry.

(b) Higher concentration measured by lower numerical value of index.

Source: Tables A-1 to A-4 (Appendix)

The divergence between enterprise and establishment concentration levels implies a considerable disparity between enterprise and establishment sizes. High levels of concentration are clearly associated with multi-establishment ownership. As an enterprise consists of establishments under common control, there is a direct relationship between the size of enterprises and size of establishments.

Leading Enterprises and Their Establishments

Table III-3 compares the average value of factory shipments of the top four enterprises and of all the establishments controlled by the top four enterprises, arranged by concentration quartiles. It indicates that both the leading enterprises and their establishments vary in size directly with the degree of industry concentration. The average sizes of leading enterprises and establishments in the industries of the top concentration quartile are over eight times those of their counterparts in the industries of the lowest concentration quartile. Moreover, as would be expected, the average difference in size between leading enterprises and establishments is greater in the highly concentrated industries. However, the relative difference in average size (Column 4) between leading enterprises and their establishments is of the same general order in the industries in different concentration quartiles. Indeed, the relative difference is lowest in the industries of highest concentration. This shows that leading firms in industries tend to be multi-establishment regardless of the level of industry concentration. Moreover, the difference between the average size of leading enterprises and of their establishments is considerable in each concentration quartile, ranging from 49 per cent to 68 per cent. A further analysis indicates that the large establishments in most Canadian manufacturing industries are controlled by the large enterprises. A simple correlation between the average size of the establishments in the top 12 enterprises and the average size of a similar *number* of largest establishments gives a correlation coefficient of .9776.

Concentration Levels and Multi-Establishment Operations

The foregoing analysis has established that the difference between enterprise and establishment concentration is large. The tendency of leading enterprises in industries of all concentration levels to control more than one establishment is an important factor determining the size of leading enterprises. Moreover, it has been found that large enterprises tend to have large establishments. Gideon Rosenbluth¹ found that 64 per cent of the variation in concentration among industries in 1948 could be ascribed to variations in average firm size. As there exists a direct relationship between enterprise and establishment sizes, an analysis of multi-establishment operations is of some importance.

Multi-establishment operations by enterprises can arise for a variety of reasons. The most important among these reasons is probably the existence of diminishing returns to scale which may stem from numerous factors. A firm may locate its plants in different

¹ Rosenbluth, Gideon - *Concentration in Canadian Manufacturing Industries*, N B E R, Princeton, (1957), pages 111-113.

market areas. It may establish new plants to permit greater specialization or it may acquire additional plants through mergers.

In this section we attempt to analyse two basic propositions:

- (i) Are multi-establishment operations a phenomena of highly concentrated industries or
- (ii) Are all large enterprises multi-establishment operations regardless of industry concentration level?

TABLE III-3
DIVERGENCE IN ENTERPRISE AND ESTABLISHMENT SIZES
IN 154 CANADIAN MANUFACTURING INDUSTRIES, 1965

Top Four Enterprise Concentration Quartiles	Average Value of Factory Shipments		Absolute difference Col. 1 - Col. 2 (\$'000)	Relative difference Col. 3 ÷ Col. 1 x 100
	per enterprise in top 4 enterprises (\$'000)	per establishment in top 4 enterprises (\$'000)		
	1	2	3	4
75 - 100%	60,404.46	30,330.29	30,074.17	49.78
50 - 74%	23,122.42	9,247.67	13,874.75	60.00
25 - 49%	20,096.68	6,358.89	13,737.79	68.35
Up to 24%	7,172.68	3,213.67	3,959.01	55.19

Source: Tables A-1, A-3 (Appendix)

Some light was shed upon these questions in Tables III-2 and III-3 above. Although the divergence between enterprise and establishment concentration shown in Table III-2 indicates the existence of multi-establishment operations, the table does not indicate whether the highly concentrated industries in terms of enterprises are the same industries as those that are highly concentrated in terms of establishments. Moreover, Table III-3 indicates that the divergence between the average sizes of leading enterprises and of their establishments is not necessarily related to concentration and it does not indicate whether or not there are more establishments per enterprise in highly concentrated industries. Furthermore, there exists considerable disparity in absolute enterprise sizes among industries in different concentration quartiles. It is, therefore, important to know if this absolute size disparity results from a higher degree of multi-establishment operations.

Table III-4 below shows the divergence between total numbers of enterprises and of establishments in the same groups of industries, classified by the top four enterprise concentration quartiles. It establishes the different degrees by which enterprise concentration is characterized by the presence of multi-establishment operations. The multi-establishment enterprises are most prevalent in the quartile of highest concentration and least prevalent in the quartile of lowest concentration. For instance, the relative difference (Column 7) indicates that there are approximately 36 per cent more establishments than enterprises in industries where the top four enterprise concentration

TABLE III-4

**DIVERGENCE IN NUMBER OF ENTERPRISES AND ESTABLISHMENTS
IN RELATION TO CONCENTRATION LEVELS, 1965**

Top Four Enterprise Concentration Quartiles (value of factory shipments)	Number of Industries	Enterprises		Establishments		Absolute Difference Col. (4) - Col. (2)	Relative Difference Col. (6) ÷ Col. (2) x 100
		Number	Percent of Total	Number	Percent of Total		
	1	2	3	4	5	6	7
75 - 100%	39	816	3.21	1,110	4.05	294	36.02
50 - 74%	38	2,038	8.01	2,288	8.34	250	12.26
25 - 49%	50	9,569	37.62	10,725	39.09	1,156	12.08
Up to 24%	27	13,012	51.16	13,313	48.52	301	2.31
TOTAL	154	25,435	100.00	27,436	100.00	2,001	7.86

Source: Table A-1 (Appendix)

ratio is 75 to 100 per cent of total industry shipments. On the other hand, when the top four enterprise concentration ratio is between zero to 24 per cent, there are only 2.31 per cent more establishments than enterprises.

Table III-5 establishes that the *leading* enterprises in all industries are to a degree multi-establishment operations regardless of the enterprise concentration level. Within the top four enterprises there are from 1.94 establishment to 3.30 establishments per enterprise. In the case of the top eight enterprises this range of establishments per enterprise is smaller. On the other hand, the enterprises from the 12th onwards consist, in most instances, of single-establishment enterprises. The relative difference (Columns 8 and 9) indicate that there is greater multi-establishment operations in the largest four enterprises than in the largest eight enterprises as compared with the remaining enterprises in these industries. The difference in multi-establishment operations between the top four and top eight enterprises is, however, less marked (Column 7).

Thus, in conclusion it can be stated that:

- (a) Enterprise concentration levels are considerably higher than establishment concentration levels in Canadian manufacturing industries.
- (b) The average enterprise and establishment size is to a marked degree greater in more concentrated industries than in less concentrated industries.
- (c) The size disparity among the top four enterprises in different industries and in different concentration levels results not only from large absolute size of enterprises and their establishments, but also from multi-establishment operations.
- (d) Although multi-establishment enterprises are more prevalent in concentrated industries, all leading enterprises in most industries are to an extent multi-establishment enterprises.

TABLE III-5
AVERAGE NUMBER OF ESTABLISHMENTS PER ENTERPRISE IN DIFFERENT ENTERPRISE CONCENTRATION
QUARTILES IN 154 CANADIAN MANUFACTURING INDUSTRIES, 1965

Top Four Enterprise Concentration Quartiles (value of factory shipments)	Average number of Establishments per Enterprise in			Absolute Difference Col. (1) – Col. (2)	Absolute Difference Col. (1) – Col. (3)	Absolute Difference Col. (2) – Col. (3)	Relative Difference Col. (4) ÷ Col. (1) x 100	Relative Difference Col. (5) ÷ Col. (1) x 100	Relative Difference Col. (6) ÷ Col. (2) x 100
	top 4	top 8	top 12 onwards						
	1	2	3	4	5	6	7	8	9
75 – 100%	2.53	1.55	1.00	0.98	1.53	0.55	38.73	60.47	35.48
50 – 74%	2.15	1.74	1.00	0.41	1.15	0.74	19.06	53.48	42.52
25 – 49%	3.30	2.62	1.03	0.68	2.27	1.59	20.60	68.78	60.68
Up to 24%	1.94	1.75	1.00	0.19	0.94	0.75	9.79	48.45	42.85

Source: Table A-1 (Appendix)

CHAPTER IV

INDUSTRIES WITH REGIONAL MARKETS

In the preceding analysis, no allowance was made for the fact that some manufacturing industries consist of establishments each of which serves a local or regional rather than a national market. Product and market characteristics such as perishability, high weight-value ratio, widely distributed sources of raw materials, and the need for close seller-buyer liaison all favour segmentation of national markets. Moreover, the proportion of industries with segmented markets is especially high in geographically large countries such as Canada.

The presence of such industries in the sample of 154 industries treated in this Report leads to an understatement of prevailing national levels of concentration. The reason is that all the enterprises in an industry with regional markets are not actually in competition with one another. For example, consider an industry consisting of twenty enterprises half of which are in the East and half of which are in the West. If there is no trade between the East and West then there exist two regional markets each containing ten competitors. Consequently, statistics on a national basis will understate the degree of actual market concentration that exists. In such instances it is desirable to know the level of concentration in each of the two markets.

An effort has been made to assess the effects of market segmentation upon levels of concentration. Industries with marked regional characteristics were identified and statistics of concentration were obtained for them by Provinces or by groups of Provinces. The regional measures of concentration were then compared with the national measures for the same industries.

In selecting the industries with regional markets, account was taken of the pattern of distribution of establishments and of the apparent reasons therefor. A prime requirement was that an industry have establishments distributed in a manner consistent with the existence of two or more market areas within the country. Some regional industries such as cement manufacturing have market areas often extending into several Provinces. Others such as commercial printing serve smaller areas. Difficulties were experienced with some industries such as fish processing and fruit and vegetable canning, where availability of materials was an important locational factor.

It proved impossible to obtain statistics covering regions corresponding with any precision to the actual regional market boundaries of particular industries. For the most part, statistics were only available by Provinces or by groups of Provinces. Nevertheless, such data provide a general indication of the effects of market segmentation.

Altogether, 34 industries were characterized as regional, and regional concentration measures for them are presented in Appendix A. However, data suppressions in the interest of confidentiality proved to be a serious problem, and only 18 of the 34 regional industries were selected for further analysis.

TABLE IV-1

**NATIONAL AND WEIGHTED REGIONAL TOP FOUR-ENTERPRISE AND ESTABLISHMENT CONCENTRATION RATIOS
FOR 18 SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965**

S.I.C.	INDUSTRY	Total Value of Shipments \$ Mil.	ENTERPRISES		ESTABLISHMENTS	
			National Concentration Ratio	Weighted Average of Regional Concentration Ratios ^(a)	National Concentration Ratio	Weighted Average of Regional Concentration Ratios ^(a)
1010	Slaughtering & Meat Processors	1,438.74	58.07	66.78	x	55.18
1030	Poultry Processors	192.58	24.19	47.45	19.55	45.66
1110	Fish Products Industry	269.31	37.09	51.10	16.06	28.23
1120	Fruit & Vegetable Canners & Preservers	435.75	39.27	51.02	24.09	39.14
1290	Bakeries	444.05	32.26	38.30	11.15	26.98
1310	Confectionery Manufacturers	187.56	46.65	64.73	33.96	54.90
1392	Miscellaneous Food Manufacturers	565.17	32.79	46.97	22.65	42.20
1410	Soft Drink Manufacturers	225.70	40.86	48.70	15.38	33.59
2513	Sawmills & Planning Mills	896.24	16.26	18.71	10.18	12.36
2541	Sash, Door and Other Millwork Plants	189.06	9.13	20.85	9.13	20.05
2560	Wooden Box Factories	35.12	44.70	60.29	35.79	59.99
2850	Commercial Printing, Publishing Only, Publishing and Printing	1,019.71	13.21	23.78	10.82	22.99
2870	Platemaking, Typesetting and Trade Bindery Plants	65.52	25.53	32.00	14.94	28.11
3020	Fabricated Structural Metal Industry	372.29	46.94	54.93	22.75	37.92
3475	Concrete Products Manufacturers Ready-Mix Concrete Manufacturers	401.99	21.30	37.88	11.00	25.53
3530	Stone Products Manufacturers	13.59	21.92	44.81	21.92	44.81
3720	Mfrs. of Mixed Fertilizers	88.71	62.22	71.07	32.65	49.96
3970	Signs and Displays Industry	52.94	21.62	30.39	14.10	21.65

^(a)Regional ratios weighted by percentage of total value of factory shipments accounted for by each region.

Source: Tables A-5, A-7 (Appendix)

For the 18 selected regional industries, comparisons have been made between their levels of concentration as measured nationally and the weighted average of their levels of concentration as measured regionally. Each regional ratio was weighted by the value of factory shipments in that region as a percentage of the industry's total national value of factory shipments.¹ The detailed results are presented in Table IV-1.

TABLE IV-2

NATIONAL AND WEIGHTED REGIONAL TOP-FOUR ENTERPRISE AND ESTABLISHMENT CONCENTRATION RATIOS FOR 18 SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965, BY LEVELS OF CONCENTRATION

ENTERPRISES

Weighted and Unweighted top four Enterprise Concentration Ratios	National Concentration Ratios			Weighted Regional Concentration Ratios(a)		
	Number of Industries	Total Value of Shipments in each Octile \$ Mil.	% of Shipments in Sample	Number of Industries	Total Value of Shipments in each Octile \$ Mil.	% of Shipments in Sample
87.5 - 100	-	-	-	-	-	-
75 - 87.5	-	-	-	-	-	-
62.5 - 75	-	-	-	3	1,715.02	24.88
50 - 62.5	2	1,527.45	22.16	4	1,112.46	16.14
37.5 - 50	5	1,256.43	18.23	6	1,843.08	26.73
25 - 37.5	4	1,344.04	19.49	2	118.46	1.72
12.5 - 25	6	2,577.05	37.38	3	2,105.01	30.53
Up to 12.5	1	189.06	2.74	-	-	-

ESTABLISHMENTS

Weighted and Unweighted top four Enterprise Concentration Ratios	National Concentration Ratios			Weighted Regional Concentration Ratios(a)		
	Number of Industries	Total Value of Shipments in each Octile \$ Mil.	% of Shipments in Sample	Number of Industries	Total Value of Shipments in each Octile \$ Mil.	% of Shipments in Sample
87.5 - 100	-	-	-	-	-	-
75 - 87.5	-	-	-	-	-	-
62.5 - 75	-	-	-	-	-	-
50 - 62.5	-	-	-	2	222.69	4.08
37.5 - 50	-	-	-	6	1,668.09	30.57
25 - 37.5	3	311.40	5.71	5	1,406.56	25.78
12.5 - 25	9	2,192.84	40.20	3	1,261.71	23.14
Up to 12.5	5	2,951.05	54.09	1	896.24	16.43

(a) Regional ratios weighted by percentage of total value of factory shipments accounted for by each region.

Source: Tables A-5, A-6 (Appendix)

¹ Refer Appendix C.

In almost all cases, the regionally weighted national concentration ratios are considerably greater than the corresponding unweighted national concentration ratios. To that extent the concentration levels in regional industries are understated by the unweighted national concentration ratios. The divergence between the regional and national ratios tends to be greater at the establishment than at the enterprise level. This is probably a reflection of the fact that large enterprises often have plants in several regions.

The comparison of weighted and unweighted concentration ratios is summarized in Table IV-2. In the case of enterprises there were only two industries where the unweighted top four enterprise concentration ratio was between 50 – 62.5 per cent of value of factory shipments. The weighted concentration ratio on the other hand, indicates seven industries accounting for 40 per cent more value of factory shipments. There is a parallel tendency in the case of establishments as well.

In conclusion it can be stated that the unweighted national concentration ratios considerably understate the true levels of concentration prevailing in manufacturing industries with regional characteristics.

CHAPTER V

HISTORICAL COMPARISONS AND CONCENTRATION TRENDS IN CANADA

The paucity of earlier studies of concentration in Canada makes it difficult to discern what the trends have been. Changes over time in industry definitions, classification systems, and types of statistics available all add to the difficulties of comparing the data in the present Report with those in earlier studies. In order to establish the past levels of concentration in Canada, further research would have to be undertaken, but some limited comparisons can be made.

Changes in Over-all Concentration

The Royal Commission on Price Spreads, which reported in 1935, dealt at some length with the position occupied by large corporations. It found that the total assets less depreciation of the hundred largest non-financial companies in 1933 had been as follows:

TABLE V-1
NET ASSETS OF 100 LARGEST NON-FINANCIAL COMPANIES
BY SIZE CLASSES, 1933

Class Size of Companies by Net Assets	Total Net Assets
(million of dollars)	(thousands of dollars)
100 and up	5,093,580
75.0 - 99.9	77,016
50.0 - 74.9	512,398
45.0 - 49.9	186,010
40.0 - 44.9	40,186
35.0 - 39.9	233,343
30.0 - 34.9	132,001
25.0 - 29.9	190,546
20.0 - 24.9	296,768
15.0 - 19.9	206,242
10.0 - 14.9	264,532
8.0 - 9.9	101,762
Total	7,324,384

Source: *Royal Commission on Price Spreads, Report, Ottawa, (1935).*

It can be estimated from information in the report¹ that the assets of the two major railways, one of them owned by the Crown, stood at about \$3.7 billion, or just over half the total. It can also be estimated that in 1929, a more representative year than 1933, the total assets of the hundred largest companies were about \$8.3 billion.

¹Royal Commission on Price Spreads, *Report, Ottawa, (1935) page 22.*

By way of comparison the total assets less depreciation of the hundred largest non-financial corporations in 1958 were valued at \$18.2 billion an increase of approximately 219 per cent over 1929. It is not an extremely large increase in view of the increases in prices and production which occurred during the span of 29 years. The increase would have been greater but for the extremely large place occupied by the railways in the Canadian corporate universe of 1929. Unfortunately, the ratio of the assets of the hundred largest corporations to total corporate assets in 1929 is not available.

The relative position occupied by the 94 largest non-financial corporations in 1958 can, however, be compared with that of 1965. Table V-2 shows that those of 1958 accounted for 40.6 per cent of total net assets of all non-financial corporations, whereas the largest ones in 1965 accounted for only 37.6 per cent. This suggests that overall concentration levels have declined. It is largely due to the decline in relative importance of the two railways in Canada vis-a-vis the other large corporations and to the increasing size and importance of sectors such as Wholesale and Retail Trade and Services. In 1958 the 16 largest corporations in the Utilities and Transportation sector accounted for 94.0 per cent of the total net assets in that sector, whereas in 1965 the 17 largest corporations in that sector accounted for only 72.7 per cent of total net assets. In the case of Wholesale and Retail Trade there was an increase of approximately 70 per cent in total net assets of the sector and in Services the increase was 161 per cent. In manufacturing the 54 largest corporations accounted for 38.0 per cent of total net assets in that sector in

TABLE V-2
NET ASSETS OF THE 94 LARGEST NON-FINANCIAL CORPORATIONS
1958 and 1965

Sector	1958				1965			
	Total Net Assets \$ Mil.	94 Largest Corporations			Total Net Assets \$ Mil.	94 Largest Corporations		
		Number of Corporations	Net Assets \$ Mil.	Percent of Total		Number of Corporations	Net Assets \$ Mil.	Percent of Total
Manufacturing	18,891	54	7,184	38.0	32,101	50	12,863	40.1
Agriculture	350	—	—	—	842	—	—	—
Mining	5,532	15	1,702	30.7	9,091	16	3,377	37.2
Construction	2,048	—	—	—	3,591	1	x	x
Utilities and Transport	8,555	16	8,039	94.0	15,784	17	11,481	72.7
Wholesale and Retail Trade	7,401	9	966	13.0	12,541	10	1,364	10.8
Services	1,284	—	—	—	3,346	—	—	—
Total	44,061	94	17,891	40.6	77,296	94	29,085	37.6

Source: Special Tabulation, Corporations and Labour Unions Returns Act, Dominion Bureau of Statistics.

1958. In 1965, the fifty largest corporations in manufacturing accounted for 40.1 per cent of total net assets, indicating some increase of overall concentration in manufacturing.²

Changes in Individual Industry Concentration

Some comparisons can be made between the statistics by Gideon Rosenbluth of concentration in individual manufacturing industries in 1948 and the statistics for 1965, although even these comparisons present difficulties. By the latter year industries were more narrowly defined with a resultant increase in the total number of industries. Moreover, there have been significant changes in the definition of a manufacturing establishment and of employment. Also, the criteria used by Rosenbluth in excluding industries from his sample were not the same as those used in excluding industries from the sample of industries in this Report.

Both the samples of industries are large. The 96 industries used by Rosenbluth accounted for 76 per cent of value added by manufacture in 1948,³ while the sample of 154 industries used in this Report accounted for 88 per cent in 1965. The findings respecting numbers of firms (1948) and enterprises (1965) required to account for 80 per cent of employment are summarized in Table V-3.

The proportion of industries in the respective samples with very high concentration was lower in 1965 than in 1948. However, the sample applies to industries with very low concentration. A larger proportion of industries were in the intermediate ranges of concentration in 1965 than in 1948. In view of the differences in the content of the two samples and of the various changes in statistical methods which occurred in the period, no distinct trend in concentration can be discerned from the table, either with regard to enterprises or establishments. The apparent changes in concentration are not pronounced enough to permit any conclusions. It may well be that further study and the use of additional techniques would produce more conclusive results.

Although, the samples of industries in 1948 and 1965 are different, it has been found that forty of the industries used by Rosenbluth are directly comparable with forty of the industries used herein in the sense that there have been virtually no changes in their definitions. They accounted for 28 per cent of the total value added by manufacture in 1965. They are listed in Table V-4 along with their concentration indexes for 1948 and 1965, and the results are summarized in Table V-5.

There was clearly an increase in enterprise concentration in the sample of forty industries, whereas the increases in establishment concentration appear to have been approximately offset by decreases. Thus, the percentage of total value added by industries with enterprise concentration indexes up to 12 increased from 32.4 per cent to

²It was found that in 1958 the fifty largest corporations in manufacturing had 36.1 per cent of total net assets in that sector. As compared with the position of the fifty largest corporations in 1965, there was an increase of approximately four percentage points.

³Rosenbluth, Gideon - *Op. Cit.*, page 147.

TABLE V-3

COMPARISON OF CONCENTRATION LEVELS
 IN A SAMPLE OF 96 CANADIAN MANUFACTURING INDUSTRIES IN 1948
 AND A SAMPLE OF 154 CANADIAN MANUFACTURING INDUSTRIES IN 1965

Number of Largest Units Accounting for 80% of Employment	Percent of No. of Industries in Samples		Percent of Employment of Industries in Samples	
	1948	1965	1948	1965
	Firms (1948) and Enterprises (1965)			
Up to 3	20.8	8.44	9.8	8.28
Over 3 - 6	19.8	18.18	14.3	9.79
Over 6 - 12	15.6	18.83	8.6	12.81
Over 12 - 24	14.6	22.72	15.6	22.11
Over 24 - 100	14.6	23.37	15.3	25.60
Over 100	14.6	8.46	36.4	21.41
	Establishments			
Up to 3	10.4	2.59	6.0	3.79
Over 3 - 6	20.8	10.38	7.0	5.85
Over 6 - 12	15.5	18.18	5.0	13.56
Over 12 - 24	17.9	23.37	16.7	12.91
Over 24 - 100	18.8	36.36	27.1	43.77
Over 100	16.6	9.12	38.2	20.12

Source: Rosenbluth, Gideon - *Concentration in Canadian Manufacturing Industries*, NBER, Princeton, 1957, page 60.

1965 data derived from Appendix A, Tables A-1, A-3.

41.2 per cent, while that of industries with concentration indexes above 24 declined slightly. Of the forty industries in the sample, enterprise concentration rose in 26 cases.

At the establishment level, there was a sharp decline in the percentage of value added by industries with concentration indexes under six, although there was a slight increase in the range between 6 and 12. There was also a sharp decline in the value added by industries with concentration indexes above one hundred. Of the forty industries in the sample, establishment concentration increased in 21 cases.

TABLE V-4
COMPARISON OF CONCENTRATION LEVELS IN 40 CANADIAN MANUFACTURING INDUSTRIES, 1948 and 1965

S.I.C. 1948	S.I.C. 1965	1965 Industry Name	Total Value Added \$ Mil.		Number of Largest Units Accounting For 80% of Employment			
			1948	1965	1948		1965	
					Firms	Establishments	Enterprises	Establishments
210	1110	Fish Products Industry	39.5	90.5	132.5	173.9	40.50	89.21
212	1120	Fruit & Vegetable Cannery and Preservers	64.8	176.1	72.3	155.0	42.70	78.00
214	1240	Flour Mills	39.3	48.5	22.0	32.9	3.46	26.08
218	1280	Biscuit Manufacturers	24.9	54.6	11.1	18.2	7.80	17.42
225	1310	Confectionery Manufacturers	45.4	91.6	23.4	29.1	16.83	25.24
227	1330	Sugar Refineries	22.7	52.0	4.1	5.8	3.13	7.35
387	1350	Vegetable Oil Mills	11.9	10.6	7.0	9.0	5.76	6.73
228(a)	1391	Macaroni Manufacturers	2.8	9.8	5.6	6.8	4.15	5.82
220	1410	Soft Drink Manufacturers	40.7	143.2	149.2	191.8	121.82	175.90
221	1430	Distilleries	45.0	157.6	2.5	7.3	5.33	14.16
222	1450	Breweries	89.8	213.6	8.6	26.9	2.58	23.84
224	1470	Wineries	5.3	12.5	9.1	12.8	5.57	9.28
230(a)	1510	Leaf Tobacco Processing	4.5	15.8	5.6	8.6	4.13	7.77
230(a)	1530	Tobacco Products Manufacturers	53.1	142.6	2.1	7.1	2.78	10.96
247	1720	Leather Tanneries	19.1	22.6	19.3	19.3	7.31	13.68
241	1740	Shoe Factories	48.7	102.0	109.6	110.7	65.37	84.71
252	1830	Cotton Yarn & Cloth Mills	80.1	122.6	5.1	16.3	2.80	17.34
260	2010	Synthetic Textile Mills	63.0	172.3	11.3	13.9	11.62	20.93
265	2130	Cordage & Twine Industry	6.3	8.2	3.8	3.8	3.94	3.94
262	2140	Narrow Fabric Mills	5.9	17.2	10.3	11.8	10.80	12.76
264	2160	Carpet, Mat & Rug Industry	6.0	33.5	4.8	4.8	6.09	7.48
261	2180	Textile Dyeing and Finishing Plants	9.3	19.4	12.9	14.7	22.34	23.34
263	2210	Canvas Products Industry	3.5	11.0	39.1	39.1	39.16	37.82
266	2230	Cotton & Jute Bag Industry	5.6	7.6	12.8	17.9	10.86	15.84
272(a)	2431	Men's Clothing Factories	96.8	169.9	154.4	161.0	135.47	154.66
272(a)	2432	Men's Clothing Contractors	7.0	18.6	78.2	81.2	55.42	56.26
273(a)	2441	Women's Clothing Factories	108.3	168.6	517.0	529.0	262.58	277.74
273(a)	2442	Women's Clothing Contractors	2.6	18.9	42.4	42.4	111.29	114.26
276	2480	Foundation Garment Industry	9.0	32.3	13.9	14.4	13.78	14.68
281	2520	Veneer & Plywood Mills	28.6	101.2	13.3	15.2	30.50	30.50
288	2580	Coffin & Casket Industry	3.4	7.6	14.5	19.7	16.37	22.97
294(b)	2710	Pulp and Paper Mills	412.8	1,033.5	22.5	50.3	18.91	61.13
296	2720	Asphalt Roofing Manufacturers	14.8	26.1	6.3	8.9	4.41	8.91
311	3110	Agricultural Implement Industry	63.4	126.7	4.4	5.7	7.12	10.06
330	3210	Aircraft & Parts Manufacturers	26.5	214.5	3.1	3.1	6.99	10.05
337	3270	Shipbuilding and Repair	66.1	155.1	13.1	13.1	7.19	10.85
333	3280	Boatbuilding and Repair	3.2	13.1	92.7	92.7	62.85	62.85
363	3410	Cement Manufacturers	17.7	104.1	1.2	3.2	4.53	16.56
383	3740	Mfrs. of Pharmaceuticals and Medicines	44.4	162.3	49.4	53.0	34.45	39.95
384	3750	Paint and Varnish Manufacturers	36.2	94.0	22.2	26.6	21.68	40.21
		Median Values	25.7	72.5	13.0	17.1	10.83	19.17
		Average Values	41.9	104.5	43.3	51.4	31.00	41.68

(a) Data for the relevant part of this class were published by Professor Gideon Rosenbluth.

(b) Excluding Barking Mills in 1948.

Source: Rosenbluth, Gideon - *Concentration in Canadian Manufacturing Industries*,

N B E R, Princeton, 1957, pages 111-113.

1965 data derived from Appendix A, Tables A-1, A-3.

TABLE V-5

COMPARISON OF CONCENTRATION LEVELS IN 40 CANADIAN MANUFACTURING INDUSTRIES, 1948 AND 1965, BY LEVELS OF CONCENTRATION

Number of Largest Units Accounting for 80% of Employment	1948 FIRMS			1965 ENTERPRISES		
	No. of Industries in each range	Total 1948 Value Added of Industries in each range \$ Mil.	Percentage of total Value Added of Sample	No. of Industries in each range	Total 1965 Value Added of Industries in each range \$ Mil.	Percentage of total Value Added of Sample
Up to 3	3	115.8	6.9	3	478.5	11.4
Over 3 - 6	8	212.3	12.7	10	445.2	10.6
Over 6 - 12	7	215.6	12.8	9	804.4	19.2
Over 12 - 24	11	674.8	40.2	6	1,278.4	30.6
Over 24 - 100	6	125.5	7.5	8	674.8	16.1
Over 100	5	334.0	19.9	4	500.6	12.0
	1948 ESTABLISHMENTS			1965 ESTABLISHMENTS		
Up to 3	—	—	—	—	—	—
Over 3 - 6	6	142.6	8.5	2	18.0	.4
Over 6 - 12	7	138.0	8.2	10	789.4	18.9
Over 12 - 24	11	314.4	18.7	12	931.5	22.3
Over 24 - 100	10	684.2	40.8	12	1,942.4	46.4
Over 100	6	398.8	23.8	4	500.6	12.0

Source: Rosenbluth, Gideon - *Concentration in Canadian Manufacturing Industries*, NBER, Princeton, 1957, pages 111-113.

1965 data derived from Appendix A, Tables A-1, A-3.

CHAPTER VI

COMPARISON OF LEVELS OF CONCENTRATION IN MANUFACTURING IN CANADA AND THE UNITED STATES

Comparisons of the structure of Canadian and United States manufacturing industries are of particular interest for Canada. The technology, standards of living, consumption patterns, skills and education in the two countries are broadly similar and closely interrelated. There are also many differences between the two countries, some of which affect industrial structure. For instance, with a physical size comparable to that of the United States, Canada's population and gross national product are only a fraction as large. Moreover, foreign trade plays a greater relative role in the Canadian economy than in that of the United States. Some Canadian manufacturing industries, such as those producing lumber and newsprint, serve world markets and are large by most standards. There are others which cater mainly to the domestic market and are small and unspecialized in comparison with their counterparts in the United States.

The methods of measuring concentration in manufacturing in the United States are sufficiently similar to those used in Canada to permit some meaningful comparisons. Aside from product, concentration statistics, the Federal Trade Commission and Bureau of the Census in the United States also compile aggregate and industry concentration ratios. Hence, comparisons of levels of concentration in Canada and the United States can be made on the basis of the overall manufacturing sector and individual manufacturing industries.

In 1963, the largest fifty manufacturing companies¹ in the United States accounted for 25 per cent of total value added by manufacture. The largest hundred manufacturing companies accounted for 33 per cent.² Statistics for the same year pertaining to Canada are not available. However, Table II-3 in Chapter II of the present study shows that in 1965 the largest fifty enterprises in Canada accounted for 36 per cent of total value added and the largest hundred enterprises accounted for 46 per cent. Concentration in manufacturing as a whole would appear to be considerably higher in Canada than in the United States.

A substantial number of individual Canadian manufacturing industries have counterparts in the United States with which direct comparison can be made. The methods and results of these comparisons are described below.

¹For census purposes in the United States, a "company consists of those establishments which it owns or admits control over and which have been classified as chiefly manufacturing". (*Concentration Ratios in Manufacturing Industry, 1963* - Report prepared by the Bureau of the Census for the Subcommittee on Antitrust and Monopoly of the Committee on the Judiciary, United States Senate, Part I, Washington, 1966, page XV). This definition is similar to that of the enterprise used herein.

²*Ibid*, page 2.

Selection of Industries

A list of comparable Canadian and United States industries was prepared by reference to the Standard Industrial Classification Manual of the two countries.³ The U.S. classification of manufacturing industries is far more detailed and has almost three times the number of classes. However, there are some Canadian industries which can be compared directly with American industries. There are other instances where two or more industries in one country, when combined, are comparable with one industry in the other country.

The two classification systems were compared at the four-digit level. Where product comparability between Canadian and U.S. industries, as measured by value of shipments, equalled or exceeded 90 per cent, the industries were considered comparable.⁴ In all other cases, the industries were rejected as being non-comparable and excluded from the industry count. This process yielded 116 industries or groups of industries in each country which were comparable. The 116 Canadian industries or groups consisted of 123 Canadian industries as defined for purposes of this Report. The 116 United States industries or groups consisted of 231 four-digit industry classes. Thus, a good deal of grouping of United States industries was required to make them comparable with Canadian industries. Only about one half of the Canadian industries in this study had United States counterparts without the necessity of grouping.

Method of Comparison

When one Canadian industry was directly comparable with one U. S. industry, the various concentration ratios of the two industries could be compared directly. When two or more industries were combined, new concentration ratios had to be estimated using the concentration ratios of the separate industries as a base. Since the actual shipments of individual producers are kept confidential in both countries, the precise changes in leadership among them as broader industry groups are formed are generally unknown. If, however, certain assumptions are made about how the combining of two industries affects the ranking of the largest producers, then the possible maximum and minimum concentration ratios can be established.⁵

A maximum concentration ratio for a combined industry can be found by making the assumption that the same producers are the largest in each of the constituent industry classes. For example, if the shipments of the largest four producers in each industry class are summed and expressed as a percentage of the total shipments of the combined industry, the result is the maximum possible four-firm concentration ratio.

³(a) U.S. Bureau of the Census: *Standard Industrial Classification Manual*, (1957, 1963 supplement)

(b) Dominion Bureau of Statistics, Ottawa - *Standard Industrial Classification Manual*, (1961)

⁴The assistance of the Productivity Division, Department of Industry, Trade and Commerce, Ottawa is gratefully acknowledged.

⁵Singer, E. - *Antitrust Economics*, Prentice Hall Inc. New Jersey, (1968), pages 168-174.

A minimum value of the concentration ratio can be computed by making two assumptions:

- (i) The largest four, eight, etc. producers in each constituent industry class of a combined industry produce only the products assigned to that class.
- (ii) If value of shipments of the largest four, eight, etc. producers in one constituent industry class is larger than that of the largest four, eight, etc. producers of any of the other constituent industry classes, then each of the four, eight, etc. producers in the first set is larger than any producer in the other set.⁶

The minimum concentration ratio is then obtained by expressing the value of shipments of the set of four, eight, etc. producers with the largest total value of shipments among the industry classes as a percentage of the total value of shipments of the combined industry.

In comparing the concentration of a Canadian industry with a combined United States industry, the maximum value of the United States concentration ratio was used.⁷

Levels of Concentration in Canada and the United States

Table A-13 in the appendix presents details of actual and estimated industry concentration ratios for 116 Canadian and United States industries. Comparisons of 1965 Canadian data are made with United States data for 1963 and 1966 because United States data for 1965 are not available. The effects of these year differences on concentration levels in the two countries are believed to be minimal; the differences between the U.S. concentration ratios of 1963 and 1966 were relatively small. The 116 Canadian manufacturing industries accounted for 77 per cent of the total value of factory shipments and 70 per cent of the total value added of the manufacturing sector in 1965. The 116 United States manufacturing industries accounted for 68 per cent of the total value of shipments and 62 per cent of the total value added of the manufacturing sector in 1963.

Comparisons of the top four firms, and in some instances the top eight, concentration ratios were made. It revealed that, of the 116 Canadian industries, 98 were significantly more concentrated than their U. S. counterparts. Of the remaining 18 industries, many might also have been judged by some measures to be more concentrated in Canada. They are listed separately in Table A-14 along with their Canadian and United States concentration ratios. Canadian manufacturing industries are, therefore, to a marked degree more highly concentrated than those in the United States, even on the basis of estimated maximum concentration figures for the U. S. which, as noted above, have been calculated on the basis of extreme assumptions.

⁶ Refer also:

Kaysen and Turner - *Antitrust Policy*, Harvard University Press (1965), pages 275-280 and 297-298.

⁷ Table A-13 (Appendix), however, gives both minimum and maximum values of estimated concentration ratios.

A similar conclusion was reached by Professor Gideon Rosenbluth using statistics pertaining to 1948.⁸ In a sample of 56 comparable industries, Professor Rosenbluth found that fifty Canadian industries were more highly concentrated. After excluding industries with regional markets and those associated with high imports or exports, he found that 30 of 34 comparable industries were more highly concentrated in Canada. These proportions are high enough to establish clearly a definite tendency towards higher concentration in Canada.

The results of the comparisons in the present study are further summarized in Table VI-1. It reveals that 24 industries in Canada had less than four enterprises accounting for 80 per cent of industry value of factory shipments. These 24 grouped industries accounted for 32.49 per cent of total value of factory shipments among the comparable industries. On the other hand, there were only three industries in the U. S. sample where less than four companies accounted for 80 per cent of industry value of shipments. These three industries accounted for 13.60 per cent of the total value of shipments in the number of industries being compared. Similar disparity in the concentration levels between the two countries are also revealed where more than four enterprises or companies are required to account for 80 per cent of industry value of shipments.

Statistical Effects of the Grouping of United States Industry Classes

The combination of 231 United States four-digit industry classes into 116 new industries in order to make them comparable with the more broadly defined Canadian industries has been described above. It is, however, of interest to compare the levels of concentration in the 231 separate United States industry classes with the levels of concentration in the same industries after they were grouped into 116 industries.

The combination of several United States industry classes into industry groups has a tendency of making the combined industry over-inclusive. Over-inclusive product or industry coverage has the effect of understating concentration levels. The changes in levels of concentration at the industry class and group level are reflected in Table VI-2.

Table VI-2 indicates that on the industry class basis there were 11 United States industries where up to four companies accounted for 80 per cent of industry value of shipments. These 11 industries accounted for 15.17 per cent of total value of shipments in the industry classes surveyed. When concentration levels are based on industry groups, however, there are only three industry groups where the top four companies account for 80 per cent of value of shipments. These three industry groups account for 13.60 per cent of total value of shipments among all the industry groups surveyed. United States concentration ratios were, therefore, significantly lowered by the grouping of industry classes.

⁸Rosenbluth, Gideon - *Op. Cit.*, pages 75-93.

TABLE VI-1
116 COMPARABLE CANADIAN AND UNITED STATES INDUSTRIES
BY LEVELS OF ENTERPRISE CONCENTRATION

Number of Enterprises(a) required to account for 80% value of factory shipments	CANADA (1965)						Number of Companies required to account for 80% shipments	UNITED STATES (1963)					
	Industries		Value of Factory Shipments		Value Added			Industries(b)		Value of Shipments		Value Added	
	Number	Percent of Total	\$ Mil.	Percent of Total	\$ Mil.	Percent of Total		Number	Percent of Total	\$ Mil.	Percent of Total	\$ Mil.	Percent of Total
Up to 4	24	20.69	8,461.5	32.49	2,492.3	23.83	Up to 4	3	2.59	38,941.0	13.60	14,044.2	11.73
Over 4 to 8	22	18.97	2,143.8	8.23	960.2	9.18	Over 4 to 8	7	6.04	11,964.0	4.18	4,568.3	3.81
Over 8 to 20	23	19.83	4,293.7	16.49	1,675.9	16.03	Over 8 to 20	16	13.79	52,986.7	18.51	19,428.7	16.23
Over 20 to 50	20	17.24	4,035.5	15.50	1,770.0	16.93	Over 20 to 50	31	26.72	45,127.8	15.77	22,418.7	18.72
Over 50	27	23.27	7,108.4	27.29	3,558.8	34.03	Over 50	59	50.86	137,227.5	47.94	59,293.6	49.51
Total	116	100.00	26,042.9	100.00	10,457.2	100.00	Total	116	100.00	286,247.0	100.00	119,753.5	100.00

Note: See text for a description of how the list of industries was compiled.

(a) The concept of the company as used in United States studies of concentration is similar to that of the enterprise as used in this Report.

(b) Either actual concentration ratios or maximum estimates were used.

Source: Tables A-1 and A-13 (Appendix A).

TABLE VI-2

**SUMMARY OF THE EFFECTS UPON CONCENTRATION RATIOS OF THE GROUPING OF 231 UNITED STATES CENSUS
FOUR-DIGIT MANUFACTURING INDUSTRY CLASSES INTO 116 INDUSTRIES, 1963**

Number of Companies required to account for 80% shipments	116 Industries Consisting of 231 U. S. Census Four-Digit Classes						231 U. S. Census Four-Digit Industry Classes Not Grouped					
	Industries		Value of Shipments		Value Added		Industries		Value of Shipments		Value Added	
	Number	Percent of Total	\$ Mil.	Percent of Total	\$ Mil.	Percent of Total	Number	Percent of Total	\$ Mil.	Percent of Total	\$ Mil.	Percent of Total
Up to 4	3	2.59	38,941.0	13.60	14,044.2	11.73	11	4.76	43,416.4	15.17	16,127.0	13.47
Over 4 to 8	7	6.04	11,964.0	4.18	4,568.3	3.81	16	6.93	10,297.3	3.60	3,773.0	3.15
Over 8 to 20	16	13.79	52,986.7	18.51	19,428.7	16.23	42	18.18	61,491.4	21.48	23,085.6	19.28
Over 20 to 50	31	26.72	45,127.8	15.77	22,418.7	18.72	57	24.68	44,671.9	15.61	21,983.9	18.35
Over 50	59	50.86	137,227.5	47.94	59,293.6	49.51	105	45.45	126,370.0	44.14	54,784.0	45.75
Total	116	100.00	286,247.0	100.00	119,753.5	100.00	231	100.00	286,247.0	100.00	119,753.5	100.00

Source: *Concentration Ratios in Manufacturing Industry, 1963* - Report prepared by the Bureau of the Census for the Subcommittee on Antitrust and Monopoly of the Committee on the Judiciary, United States Senate, Part I, Washington, (1966).
Table A-13 (Appendix A).

In Canada the 116 industry groups consist of only 123 individual industries as defined for the purpose of this Report, and concentration levels were probably not significantly affected by those changes.

The conclusion to be drawn from the foregoing is that the levels of concentration in Canadian manufacturing industries as found in this Report are very much lower than if they had been based upon the United States industry classes. It is beyond the scope of this Report to settle the issue as to which classification system, had they both been available for Canada, would have produced the most valid results.

It is clear that the Canadian system errs in the direction of too broad industry classifications. Indeed, some Canadian industries are so broadly classified that they had to be excluded from the present study. On the other hand, the United States classifications may well err in the other direction. Kaysen and Turner, for example, did reach that conclusion.⁹ For purposes of their survey of market structures they combined 440 four-digit census manufacturing classes into 191 markets.

⁹Kaysen and Turner -- *Op. Cit.*, pages 295-299.



APPENDIX "A"
DETAILED STATISTICAL TABLES

INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Establi- shments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
1010 ^a	Slaughtering & Meat Processors (number of estb.)	365 (399)	58.07 (29)	67.58 (38)	71.48 (42)	74.55 (46)	77.33 (50)	88.07 (82)	1,438.74	24.36	24.82	10.83	13.24	11.36	87.03	85.93
1030 ^a	Poultry Processors (number of estb.)	137 (150)	24.19 (8)	37.65 (17)	48.61 (21)	58.34 (27)	64.30 (31)	90.91 (63)	192.58	33.93	42.95	2.31	2.93	2.46	95.83	86.75
1060 ^a	Dairy Factories & Process Cheese Manufacturers (number of estb.)	1,165 (1,421)	25.13 (63)	34.81 (115)	40.86 (179)	45.59 (201)	48.79 (220)	62.25 (287)	1,061.71	183.59	185.57	2.42	2.30	3.32	..	..
1110 ^a	Fish Products Industry (number of estb.)	301 (376)	37.09 (37)	52.10 (54)	58.64 (61)	63.63 (75)	67.35 (80)	83.90 (117)	269.31	40.82	40.50	4.75	5.42	6.11	95.21	99.95
1120 ^a	Fruit & Vegetable Canners & Preservers (number of estb.)	266 (313)	39.27 (23)	52.02 (38)	59.34 (44)	64.33 (50)	68.51 (57)	85.71 (95)	435.75	36.11	42.70	4.46	4.88	5.54	..	..
1230 ^b	Feed Manufacturers (number of estb.)	739 (855)	28.10 (39)	38.09 (79)	43.31 (91)	47.96 (101)	51.38 (114)	63.23 (161)	392.83	127.25	219.67	1.49	2.80	2.94	..	..
1240 ^a	Flour Mills (number of estb.)	36 (51)	79.65 (18)	90.18 (23)	94.95 (27)	97.89 (31)	99.02 (35)	-	244.48	x	3.46	22.25	20.32	24.82	97.03	92.79
1250	Breakfast Cereal Manufacturers (number of estb.)	15 (17)	x (5)	x (10)	x (14)	-	-	-	47.74	x	x	33.36	33.81	37.64	..	..
1280	Biscuit Manufacturers (number of estb.)	35 (44)	67.29 (12)	83.61 (17)	90.77 (21)	94.70 (25)	96.98 (29)	-	102.71	x	7.80	13.09	15.94	18.10	95.69	98.57
1290 ^a	Bakeries (number of estb.)	2,375 (2,465)	32.26 (66)	43.89 (81)	49.52 (89)	53.31 (95)	55.53 (99)	63.60 (138)	444.05	296.74	363.08	2.54	3.24	3.24	96.46	93.98
1310 ^a	Confectionery Manufacturers (number of estb.)	173 (180)	46.65 (8)	65.41 (14)	75.28 (19)	80.99 (23)	84.57 (27)	95.51 (57)	187.57	x	16.83	8.47	8.80	8.69	74.82	92.41

**INDEXES OF ENTERPRISE CONCENTRATION IN 169
CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
1330	Sugar Refineries (number of estb.)	8 (13)	x (9)	100.00 (13)	-	-	-	-	152.77	3.17	3.13	23.28	24.09	27.15	100.00	100.00
1350	Vegetable Oil Mills (number of estb.)	10 (12)	x (5)	x (10)	-	-	-	-	94.98	x	5.76	13.55	24.61	21.57	98.90	84.83
1391	Macaroni Manufacturers (number of estb.)	17 (19)	x (5)	x (9)	98.49 (14)	x (18)	-	-	22.80	x	4.15	26.60	27.79	29.52	..	..
1392 ^a	Miscellaneous Food Mfrs. (number of estb.)	240 (272)	32.79 (19)	48.37 (27)	57.40 (35)	63.74 (41)	67.96 (46)	86.82 (82)	565.17	34.82	51.85	2.58	4.58	6.51	..	..
1410 ^a	Soft Drink Manufacturers (number of estb.)	410 (470)	40.86 (42)	48.03 (51)	53.06 (60)	56.63 (64)	59.44 (72)	69.11 (105)	225.70	105.41	121.82	5.56	5.91	7.40	99.54	96.86
1430	Distilleries (number of estb.)	13 (22)	84.23 (10)	96.38 (17)	x (21)	-	-	-	228.40	x	5.33	18.74	24.60	25.54	87.87	95.83
1450 ^a	Breweries (number of estb.)	11 (52)	94.57 (41)	99.65 (49)	-	-	-	-	298.44	x	2.58	28.78	30.88	32.05	99.05	99.98
1470	Wineries (number of estb.)	13 (19)	71.18 (9)	94.96 (14)	x (18)	-	-	-	23.09	x	5.57	14.24	16.13	15.90	95.33	100.00
1510	Leaf Tobacco Processing (number of estb.)	13 (18)	92.34 (9)	99.03 (13)	99.97 (17)	-	-	-	99.52	x	4.13	20.02	25.80	23.40	100.00	99.00
1530	Tobacco Products Mfrs. (number of estb.)	12 (20)	91.37 (11)	99.93 (16)	100.00 (20)	-	-	-	280.26	x	2.78	33.19	30.00	30.81	100.00	99.00
1610	Rubber Footwear Mfrs. (number of estb.)	7 (7)	79.01 (4)	-	-	-	-	-	43.23	x	4.04	19.01	19.04	19.01	..	..

INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Empley- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
1630	Rubber Tire & Tube Mfrs. (number of estb.)	7 (11)	87.29 (8)	--	--	--	--	--	249.41	x	3.42	21.64	22.10	22.42	..	..
1690	Other Rubber Industries (number of estb.)	72 (78)	47.79 (8)	65.96 (12)	76.69 (16)	84.83 (22)	89.18 (26)	98.36 (56)	181.85	x	13.71	7.62	7.95	8.73	..	..
1720	Leather Tanneries (number of estb.)	34 (41)	69.73 (10)	84.17 (15)	91.06 (19)	94.77 (23)	96.99 (27)	--	60.20	x	7.31	15.19	15.79	16.37	94.94	99.00
1740	Shoe Factories (number of estb.)	202 (219)	20.83 (17)	31.05 (23)	37.90 (29)	43.87 (33)	48.92 (37)	73.64 (67)	199.28	62.99	65.37	1.96	2.07	2.23	98.21	100.00
1792	Boot & Shoe Findings Mfrs. (number of estb.)	35 (39)	48.53 (8)	67.53 (12)	80.70 (16)	90.17 (20)	95.44 (24)	--	14.28	x	11.84	8.51	8.31	7.62	84.71	76.89
1799	Misc. Leather Products Mfrs. (number of estb.)	190 (191)	20.69 (4)	34.00 (8)	42.38 (12)	49.29 (16)	55.24 (20)	79.45 (50)	55.57	52.25 ^c	56.12	1.96	2.21	2.24	73.97	90.25
1830 ^b	Cotton Yarn & Cloth Mills (number of estb.)	16 (35)	x (23)	94.91 (27)	99.47 (31)	100.00 (35)	--	--	305.66	2.10	2.80	37.72	43.61	45.73	..	..
1950 ^b	Wool Yarn Mills Wool Cloth Mills (number of estb.)	70 (78)	33.15 (6)	51.99 (12)	63.77 (19)	72.36 (23)	79.43 (27)	98.63 (58)	131.49	x	20.93	4.25	4.78	4.58	..	..
2010	Total Synthetic Textile Mills (number of estb.)	53 (64)	53.79 (11)	72.31 (18)	79.84 (22)	85.27 (26)	89.65 (30)	99.94 (61)	373.84	x	11.62	10.11	9.92	13.10	90.47	92.30
-1	Mfrs. of Filament, Staple Fibre and Tow (number of estb.)	6 (7)	x (5)	--	--	--	--	--	142.62	2.51	2.84	26.45	33.87	38.14	..	..
-2 ^b	Synthetic Textile Spinners, Throwers & Weavers (number of estb.)	48 (57)	53.88 (11)	66.91 (16)	74.84 (20)	81.57 (24)	89.17 (29)	--	231.23	x	12.48	13.44	10.78	16.19	..	..

INDEXES OF ENTERPRISE CONCENTRATION IN 169
CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Empley- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
2110	Fibre Preparing Mills (number of estb.)	31 (31)	50.96 ^c (4)	74.44 (8)	86.94 (12)	94.38 ^c (16)	97.70 (20)	-	18.25	9.83 ^c	10.56 ^c	10.17	9.63	10.48	68.85	49.89
2120	Thread Mills (number of estb.)	13 (13)	74.28 (4)	92.92 ^c (8)	98.98 ^c (12)	-	-	-	16.50	4.84 ^c	4.46 ^c	25.19	21.31	29.29	97.09	98.17
2130	Cordage & Twine Industry (number of estb.)	18 (18)	74.85 ^c (4)	97.03 ^c (8)	99.27 ^c (12)	99.88 ^c (16)	-	-	26.32	x	3.94 ^c	20.76	21.15	19.42	98.58	90.06
2140	Narrow Fabric Mills (number of estb.)	44 (47)	60.35 (6)	74.83 (10)	83.61 (14)	89.25 (18)	92.93 (22)	-	34.55	x	10.80	9.52	11.61	11.20	92.42	91.23
2150	Pressed & Punched Felt Mills (number of estb.)	12 (12)	81.26 ^c (4)	95.60 ^c (8)	100.00 (12)	-	-	-	9.19	3.96 ^c	4.70 ^c	17.52	24.06	20.45	83.84	79.65
2160	Carpet, Mat & Rug Industry (number of estb.)	23 (25)	62.83 (5)	83.20 (10)	94.10 ^c (14)	98.63 (18)	99.88 (22)	-	79.88	x	6.09	13.93	12.27	16.43	95.66	99.56
2180	Textile Dyeing & Finishing Plants (number of estb.)	63 (64)	34.87 (5)	57.63 (9)	71.39 (13)	78.45 (17)	82.85 (21)	98.42 (51)	30.84	x	22.34	5.34	5.34	5.58	..	..
2190	Linojeum & Coated Fabrics Ind. (number of estb.)	12 (14)	84.20 (6)	95.08 (10)	100.00 (14)	-	-	-	44.10	3.35	2.56	35.38	26.77	31.73	73.03	77.45
2210 ^a	Canvas Products Industry (number of estb.)	143 (144)	33.08 (5)	48.74 (9)	58.85 (13)	65.06 (17)	69.73 (21)	86.96 (51)	24.17	34.89	39.16	3.67	4.33	4.12	56.07	91.84
2230 ^a	Cotton & Jute Bag Industry (number of estb.)	26 (31)	53.45 (9)	75.25 (13)	88.48 (17)	94.52 (21)	97.94 (25)	-	31.19	x	10.86	12.17	13.18	13.73	76.25	96.31
2291	Auto Fabric Accessory Mfrs. (number of estb.)	30 (30)	69.89 ^c (4)	91.55 ^c (8)	96.09 (12)	98.03 (16)	99.19 ^c (20)	-	36.37	4.46 ^c	5.47 ^c	18.47	21.05	25.23	83.11	90.62

INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Em- ploy- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
2292	Embroidery, Pleating, Hemstitching (number of estb.)	131 (133)	x (5)	36.96 (9)	45.69 (13)	52.42 (17)	58.68 (21)	83.45 (51)	13.06	43.41	42.65	2.62	2.56	2.39	..	..
2310	Hosiery Mills (number of estb.)	130 (134)	18.13 (6)	29.51 (10)	38.58 (14)	45.45 (19)	51.61 (23)	79.97 (54)	81.05	x	51.33	1.99	1.95	2.44	89.41	96.60
2390	Other Knitting Mills (number of estb.)	216 (227)	15.29 (11)	24.73 (16)	32.80 (20)	39.46 (25)	45.16 (29)	69.98 (60)	227.84	70.84	69.08	2.16	1.55	1.80	94.74	94.20
2431	Total Men's Clothing Factories (number of estb.)	464 (482)	11.16 (5)	18.29 (13)	23.84 (18)	28.20 (24)	32.03 (28)	51.07 (62)	378.09	154.73	135.47	.98	.85	1.00	93.37	95.71
-1	Men's Suits & Overcoats (number of estb.)	122 (125)	22.56 (4)	36.85 (8)	47.84 (12)	55.84 (16)	62.17 (22)	86.46 (53)	131.09	37.92	28.30	3.23	2.57	..	..	..
-2	Men's Trousers (number of estb.)	57 (59)	35.07 (6)	53.20 (10)	65.92 (14)	73.13 (18)	79.09 (22)	99.08 (52)	41.33	x	19.27	6.35	5.23	..	..	..
-3	Men's Windbreakers & Work Pants (number of estb.)	115 (120)	22.16 (4)	32.41 (10)	40.62 (15)	47.75 (19)	53.74 (24)	80.56 (55)	70.01	x	46.32	2.37	2.30	..	..	..
-4	Men's Overalls & Work Shirts (number of estb.)	37 (38)	50.36 (4)	65.48 (8)	76.15 (12)	83.16 (16)	88.58 (20)	-	41.08	x	15.95	12.58	13.07	..	..	..
-5	Men's Fine Shirts (number of estb.)	51 (55)	45.42 (8)	60.76 (12)	71.58 (16)	79.01 (20)	84.86 (24)	x (54)	62.75	x	15.33	7.09	7.52	..	..	..
-6	Men's Other Clothing (number of estb.)	59 (60)	35.18 (4)	52.57 (8)	64.21 (12)	72.26 (16)	78.05 (20)	98.72 (51)	20.63	x	24.00	4.76	4.72	..	..	..
-7	Men's Neckwear (number of estb.)	25 (25)	57.98 (4)	77.00 (8)	87.79 (12)	94.88 (16)	98.56 (20)	-	11.21	x	9.96	12.71	12.77	..	..	..

**INDEXES OF ENTERPRISE CONCENTRATION IN 169
CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Empley- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
2432	Men's Clothing Contractors (number of estb.)	139 (140)	16.69 (4)	27.35 (8)	35.27 (12)	41.55 (17)	47.10 (21)	74.89 (51)	21.02	58.02	55.42	1.98	1.77	1.72	..	..
2441	Total Women's Clothing Factories (number of estb.)	623 (641)	6.40 (9)	10.01 (13)	13.19 (19)	16.06 (23)	18.73 (27)	33.66 (62)	385.42	257.07	262.58	.41	.41	.38	..	..
-1	Women's Coats & Suits (number of estb.)	145 (145)	15.77 (4)	24.42 (8)	31.21 (12)	37.42 (16)	42.89 (20)	72.52 (50)	82.01	61.31	62.27	1.56	1.59	1.50	..	..
-2	Women's Dresses (number of estb.)	204 (208)	13.71 (4)	22.41 (8)	28.78 (13)	34.07 (19)	38.79 (23)	61.49 (53)	121.20	91.69	94.67	1.04	1.31	1.01	..	..
-3	Women's Skirts & Blouses etc. (number of estb.)	146 (148)	13.11 (4)	21.59 (8)	28.98 (12)	35.66 (17)	41.71 (21)	71.30 (52)	106.22	64.52	63.83	1.41	1.39	1.49	..	..
-4	Women's Other Outerwear (number of estb.)	63 (64)	29.28 (4)	46.97 (8)	60.19 (12)	70.44 (16)	77.66 (20)	98.76 (51)	19.92	x	24.11	3.65	4.21	4.19	..	..
-5	Women's Lingerie (number of estb.)	69 (76)	27.13 (7)	39.84 (12)	50.03 (16)	58.95 (22)	66.73 (26)	97.35 (57)	56.08	28.27	27.00	4.07	3.56	3.88	..	..
2442	Women's Clothing Contractors (number of estb.)	237 (240)	7.96 (6)	13.92 (10)	19.20 (14)	24.03 (18)	28.41 (22)	50.98 (52)	20.58	114.10	111.29	.81	.78	.77	..	..
2450	Children's Clothing Industry (number of estb.)	177 (182)	13.68 (4)	22.58 (9)	30.51 (13)	37.14 (18)	42.70 (23)	71.76 (55)	93.55	65.60	66.72	1.43	1.44	1.41	..	..
2460	Fur Goods Industry (number of estb.)	406 (406)	18.43 (4)	25.40 (8)	30.98 (12)	35.27 (16)	38.82 (20)	57.98 (50)	64.71	126.96	116.17	1.09	1.57	1.37	99.35	98.95
2470	Total Hat & Cap Industry (number of estb.)	117 (117)	23.42 (4)	35.41 (8)	44.86 (12)	52.42 (16)	59.15 (20)	85.53 (50)	26.73	41.11 ^c	39.78	2.71	2.76	2.83	94.90	89.32

INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Em- ploy- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
-1	Caps (number of estb.)	41 (41)	39.98 (4)	58.52 (8)	71.77 (12)	80.06 (16)	86.61 (20)	-	5.59	x	14.00	7.35	6.38	6.43	..	..
-2	Men's Hats (number of estb.)	7 (7)	92.99 (4)	-	-	-	-	-	5.35	x	x	35.19	34.74	37.36	..	..
-3	Women's & Children's Hats (number of estb.)	61 (61)	23.71 (4)	41.32 (8)	55.37 (12)	66.52 (16)	74.09 (20)	98.96 (50)	14.92	23.83	24.00	3.34	3.41	3.60	..	..
-4	Hat & Cap Makers' Materials (number of estb.)	8 (8)	81.17 (4)	100.00 (8)	-	-	-	-	.87	x	3.71	34.50	24.01	20.25	..	..
2480	Foundation Garment Industry (number of estb.)	38 (43)	42.03 (4)	62.11 (10)	76.93 (15)	86.45 (20)	93.33 (24)	-	54.47	x	13.78	6.74	7.10	7.85	96.12	97.51
2511	Shingle Mills (number of estb.)	64 (64)	44.38 (4)	67.88 (8)	79.43 (12)	87.28 (16)	91.67 ^c (20)	99.68 (50)	25.50	12.19 ^c	14.53 ^c	6.36	7.32	6.49	81.23	78.06
2513 ^a	Sawmills & Planing Mills (number of estb.)	2,467 (2,559)	16.26 (14)	26.06 (33)	30.32 (41)	33.67 (50)	36.34 (61)	50.53 (119)	896.24	261.31	420.56	.68	1.17	.95	96.30	93.96
2520 ^b	Veneer & Plywood Mills (number of estb.)	70 (83)	43.82 (11)	60.36 (18)	69.76 (23)	77.31 (27)	81.15 (31)	98.29 (63)	222.44	26.19	21.73	5.94	7.14	7.09	..	..
2541 ^a	Sash, Door & Other Millwork Plants (number of estb.)	980 (987)	9.13 (4)	15.02 (11)	19.75 (15)	23.54 (19)	26.81 (23)	45.55 (56)	189.06	198.97	224.95	.52	.65	.63	71.84	81.89
2542	Hardwood Flooring Industry (number of estb.)	20 (20)	56.71 ^c (4)	76.82 (8)	89.04 (12)	97.45 ^c (16)	100.00 (20)	-	20.04	8.82 ^c	9.27 ^c	13.30	13.09	13.10	73.94	98.70
2560 ^a	Wooden Box Factories (number of estb.)	156 (160)	44.70 (5)	59.19 (10)	68.51 (15)	74.11 (20)	78.26 (24)	91.58 (54)	35.12	22.28	24.30	5.89	9.15	11.29	75.01	86.79

**INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
2580 ^a	Coffin & Casket Industry (number of estb.)	47 (56)	50.62 (13)	64.64 (17)	72.93 (21)	79.96 (25)	86.11 (29)	- -	13.68	x	16.37	12.12	11.33	11.41	99.20	99.20
2591	Wood Preservation (number of estb.)	20 (31)	89.37 (15)	95.50 (19)	98.25 (23)	99.44 (27)	100.00 (31)	- -	33.54	x	2.92	27.49	31.74	30.25	..	..
2610	Household Furniture Industry (number of estb.)	1,693 (1,702)	9.16 (7)	13.40 (12)	16.97 (17)	20.26 (22)	23.27 (26)	39.67 (58)	281.95	255.90	256.86	.55	.56	.56	82.90	90.11
2640	Office Furniture Industry (number of estb.)	42 (45)	49.66 (7)	73.22 (11)	86.09 (15)	91.47 (19)	94.48 (23)	- -	56.77	x	10.71	8.33	8.52	8.66	82.34	88.14
2660	Misc. Furniture Industry (number of estb.)	439 (447)	18.15 (9)	25.73 (13)	31.42 (19)	36.12 (23)	40.13 (27)	61.29 (57)	169.37	102.93	111.32	1.53	1.56	1.79	78.16	87.51
2680	Electric Lamp & Shade Industry (number of estb.)	68 (68)	29.04 ^c (4)	49.92 ^c (8)	62.12 (12)	71.74 (16)	79.87 (20)	98.03 (50)	17.12	20.40 ^c	21.87 ^c	3.88	4.25	4.25	92.91	88.06
2710 ^b	Total Pulp & Paper Mills (number of estb.)	59 (132)	35.74 (38)	52.82 (55)	65.72 (65)	75.48 (72)	82.47 (80)	99.75 (123)	2,104.43	x	18.91	5.35	5.03	5.09	..	..
-1 ^b	Other Pulp & Paper Mills (number of estb.)	50 (90)	35.55 (21)	54.74 (30)	67.68 (39)	78.34 (47)	86.46 (56)	100.00 (90)	1,041.57	x	17.90	5.64	5.34	5.48	..	..
-2 ^b	Newsprint Mills (number of estb.)	21 (42)	43.69 (20)	68.99 (28)	85.98 (33)	96.22 (37)	x (41)	- -	1,062.86	x	10.34	7.54	7.47	7.73	..	..
2720	Asphalt Roofing Manufacturers (number of estb.)	10 (21)	73.81 (11)	x (19)	- -	- -	- -	- -	57.76	x	4.41	18.29	17.52	19.93	70.54	80.75
2731	Mfrs of Folding Cartons & Set-up boxes (number of estb.)	107 (121)	42.03 (13)	56.77 (21)	65.87 (25)	71.93 (30)	76.96 (34)	92.85 (64)	143.88	23.43	31.78	4.08	6.67	5.67	89.42	90.45

INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
2732	Mfrs. of Corrugated Boxes (number of estb.)	26 (49)	58.29 (21)	82.70 (30)	94.50 (35)	98.52 (39)	99.41 (43)	—	193.05	x	7.69	10.93	11.24	10.67	90.74	95.83
2733a	Paper & Plastic Bag Mfrs (number of estb.)	56 (74)	43.85 (15)	66.12 (24)	79.73 (30)	85.83 (34)	89.37 (38)	99.83 (68)	120.92	x	13.12	6.47	7.13	7.88	74.83	80.55
2740	Misc. Paper Converters (number of estb.)	176 (204)	29.49 (15)	41.82 (26)	50.63 (31)	57.77 (36)	63.68 (40)	84.60 (75)	261.96	40.19	43.82	2.74	3.51	3.29	45.24	42.56
2850a	Commercial Printing, Publishing Only, Publishing & Printing (number of estb.)	3,050 (3,127)	13.21 (17)	21.16 (26)	27.32 (44)	32.30 (48)	36.29 (68)	51.49 (110)	1,019.71	347.37	433.40	.75	.96	1.08	97.59	96.86
2870a	Platemaking, Typesetting & Trade Bindery Plants (number of estb.)	330 (338)	23.53 (11)	32.38 (15)	38.78 (19)	43.91 (23)	48.28 (27)	67.51 (57)	65.52	89.36	91.17	1.97	2.42	2.49	..	..
2910b	Iron & Steel Mills (number of estb.)	33 (41)	77.38 (8)	89.48 (14)	93.89 (19)	96.40 (24)	97.94 (28)	—	1,231.77	x	4.93	16.84	19.58	20.74	..	..
2920	Steel Pipe & Tube Mills (number of estb.)	14 (21)	78.23 (10)	94.20 (15)	x (19)	—	—	—	198.63	x	3.90	22.18	23.18	19.91	86.71	95.14
2940a	Iron Foundries (number of estb.)	128 (137)	44.70 (8)	59.55 (15)	68.65 (20)	75.49 (25)	79.56 (29)	93.17 (59)	167.48	x	31.59	4.49	8.28	6.53	77.10	85.62
2960	Aluminum Rolling, Casting & Extruding (number of estb.)	42 (50)	88.11 (9)	95.66 (15)	97.23 (19)	98.23 (23)	98.89 (27)	—	154.71	x	3.55	28.42	37.43	30.21	90.59	91.13
2970	Copper & Alloy Rolling, Casting & Extruding (number of estb.)	54 (56)	x (6)	95.03 (10)	96.59 (14)	97.55 (18)	98.27 (22)	99.98 (52)	201.39	x	6.02	22.66	32.51	23.84	57.19	83.97
2980	Metal Rolling, Casting & Extruding, N.E.S. (number of estb.)	64 (73)	59.18 (13)	73.71 (17)	81.91 (21)	87.30 (25)	90.70 (29)	99.44 (59)	129.41	x	17.05	9.13	14.24	16.92	..	..

**INDEXES OF ENTERPRISE CONCENTRATION IN 169
CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Empley- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
3010	Boiler & Plate Works (number of estb.)	66 (66)	49.14 (4)	63.25 (8)	72.65 (12)	80.12 (16)	84.42 ^c (20)	98.53 (50)	107.56	x	18.48	8.36	8.14	11.03	69.03	82.81
3020 ^a	Fabricated Structural Metal Industry (number of estb.)	75 (97)	46.94 (22)	61.73 (27)	72.88 (33)	79.99 (37)	85.03 (41)	98.30 (72)	372.29	x	15.46	14.33	10.26	11.34	72.08	88.33
3030	Ornamental & Architectural Metal Industry (number of estb.)	630 (634)	17.13 (4)	25.58 (9)	31.00 (13)	35.80 (17)	39.97 (21)	60.14 (53)	211.92	129.15	150.71	1.14	1.33	1.17	66.77	83.66
3040	Total Metal Stamping, Pressing & Coating Industry (number of estb.)	606 (653)	36.20 (24)	44.17 (37)	50.05 (42)	54.07 (47)	57.64 (51)	72.70 (90)	609.05	81.58	152.00	1.63	5.10	3.46	..	..
-1	Mfrs. of Metal Food Cans (number of estb.)	5 (11)	x (10)	-	-	-	-	-	120.48	x	x	44.25	43.07	47.22	..	..
-2	Other Metal Stamping, Pressing & Coating Industry (number of estb.)	604 (642)	25.24 (21)	34.02 (29)	39.95 (33)	44.61 (38)	48.76 (43)	66.44 (81)	488.57	108.34	166.82	1.06	2.91	1.58	..	..
3050	Wire & Wire Products Mfrs. (number of estb.)	206 (223)	48.34 (12)	57.68 (16)	66.23 (24)	73.14 (30)	77.40 (34)	90.34 (67)	356.95	23.33	38.29	7.08	12.66	6.49	75.78	95.12
3060	Hardware, Tool & Cutlery Mfrs. (number of estb.)	414 (423)	17.40 (6)	27.61 (11)	35.59 (16)	42.34 (21)	47.55 (26)	68.78 (58)	202.18	82.64	99.43	1.20	1.63	1.61	76.30	85.93
3070	Heating Equipment Mfrs. (number of estb.)	105 (106)	29.83 (4)	44.83 (9)	55.08 (13)	62.44 (17)	68.59 (21)	92.77 (51)	103.41	x	30.44	3.88	3.70	4.77	55.63	62.74
3080 ^a	Machine Shops (number of estb.)	954 (957)	8.30 (5)	13.08 (9)	16.78 (14)	19.79 (18)	22.53 (22)	37.39 (52)	143.70	302.99	321.74	.38	.50	.49	..	..
3110	Agricultural Implement Ind. (number of estb.)	94 (96)	71.60 (6)	84.82 (10)	89.62 (14)	92.68 (18)	94.20 (22)	98.60 (52)	285.10	x	7.12	16.28	14.93	13.54	72.49	93.82

INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
3150	Misc. Machinery & Equip. Mfrs. (number of estb.)	514 (528)	14.90 (6)	24.13 (14)	30.27 (19)	35.15 (23)	39.51 (27)	61.09 (61)	797.15	105.80	105.69	1.42	1.24	1.47	85.55	72.27
3160	Commercial Refrigeration & Air Conditioning Equip. Mfrs. (number of estb.)	36 (37)	51.51 (5)	70.08 (9)	81.65 ^c (13)	88.78 (17)	94.04 (21)	— —	48.04	x	x	8.25	8.68	8.12	68.16	61.89
3180	Office & Store Machinery Mfrs. (number of estb.)	23 (23)	77.96 (4)	92.06 (8)	97.90 ^c (12)	99.09 (16)	99.85 ^c (20)	— —	105.10	4.57 ^c	3.33	27.76	26.20	25.00	84.81	81.55
3210 ^b	Aircraft & Parts Mfrs. (number of estb.)	76 (85)	76.81 (8)	84.26 (14)	88.70 (19)	92.84 (23)	95.30 (29)	99.75 (59)	394.37	x	6.99	18.81	19.48	19.42	..	..
3230 ^b	Motor Vehicle Manufacturers (number of estb.)	19 (20)	93.39 (5)	98.16 (9)	99.40 (13)	99.71 (17)	— —	— —	2,120.30	x	2.72	28.70	31.97	34.43	..	..
3240 ^a	Truck Body & Trailer Mfrs. (number of estb.)	155 (160)	37.33 (7)	51.80 (13)	61.82 (17)	68.50 (21)	72.76 (25)	88.22 (55)	103.01	30.46	38.62	3.64	4.63	4.19	90.13	85.45
3250 ^b	Motor Vehicle Parts & Accessories Mfrs. (number of estb.)	150 (160)	53.87 (9)	63.26 (14)	70.69 (18)	76.60 (22)	79.32 (27)	93.35 (60)	755.61	x	26.96	10.33	13.72	13.05	..	..
3260	Railroad Rolling Stock Ind. (number of estb.)	11 (13)	86.40 (5)	99.18 (10)	— —	— —	— —	— —	162.95	x	x	19.54	20.66	20.01	77.40	..
3270	Shipbuilding & Repair (number of estb.)	65 (71)	65.55 (10)	85.20 (14)	88.69 (18)	90.89 (22)	92.81 (26)	99.40 (56)	274.60	x	7.19	11.43	13.20	12.01	100.00	100.00
3280 ^a	Boatbuilding & Repair (number of estb.)	242 (242)	21.14 (4)	34.98 (8)	43.32 (12)	50.27 (16)	55.85 (20)	76.61 (50)	24.63	59.11	62.85	1.74	2.27	2.06	92.97	85.66
3290	Misc. Vehicle Manufacturers (number of estb.)	19 (19)	85.05 (4)	96.05 ^c (8)	99.25 ^c (12)	99.85 ^c (16)	— —	— —	29.50	x	4.41 ^c	23.53	38.83	37.78	72.33	61.03

**INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Establi- shments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
3310	Mfrs. of Small Electrical Appliances (number of estb.)	59 (61)	50.44 (6)	65.95 (10)	75.03 (14)	81.90 (18)	87.27 (22)	99.82 (52)	104.15	x	15.30	7.90	8.31	10.62	53.81	64.05
3320	Mfrs. of Major Appliances Electrical & Non-electrical (number of estb.)	32 (35)	41.16 (6)	70.82 (11)	82.29 (15)	90.02 (19)	96.09 (23)	-	284.16	x	12.60	6.46	7.17	7.15	74.71	84.64
3340	Mfrs. of Household Radio & T.V. Receivers (number of estb.)	24 (25)	53.43 (4)	86.32 (9)	98.24 ^c (13)	99.36 (17)	99.87 (21)	-	155.13	x	x	13.87	10.57	11.19	81.29	79.88
3350	Communications Equip. Mfrs. (number of estb.)	138 (148)	56.39 (10)	72.31 (18)	77.80 (22)	81.39 (26)	84.17 (30)	94.38 (60)	430.54	x	17.54	11.36	12.99	16.20	76.37	92.96
3360	Mfrs. of Electrical Industrial Equipment (number of estb.)	101 (124)	60.21 (13)	73.11 (24)	80.41 (29)	84.04 (33)	87.13 (42)	96.99 (73)	375.45	x	13.02	13.58	14.57	15.95	83.96	82.41
3370	Battery Manufacturers (number of estb.)	13 (23)	83.62 (14)	98.34 (18)	x (22)	-	-	-	54.13	x	4.21	19.87	21.91	23.04	100.00	99.77
3380	Manufacturers of Electrical Wire and Cable (number of estb.)	16 (25)	72.51 (13)	91.79 (17)	98.76 (21)	100.00 (25)	-	-	274.72	x	6.14	16.40	16.75	19.82	76.77	100.00
3390	Mfrs. of Misc. Electrical Products (number of estb.)	144 (154)	40.58 (14)	51.15 (18)	58.92 (22)	65.65 (26)	71.19 (30)	89.54 (60)	224.27	29.87	31.48	6.75	7.18	8.50	85.43	76.61
3410	Cement Manufacturers (number of estb.)	10 (22)	76.79 (16)	x (20)	-	-	-	-	144.84	x	4.53	28.94	25.06	25.97	97.47	100.00
3475 ^a	Concrete Products Mfrs. Ready-Mix Concrete Mfrs. (number of estb.)	738 (825)	21.30 (30)	29.80 (55)	35.62 (61)	40.87 (70)	45.19 (74)	63.50 (119)	401.99	121.41	162.66	1.47	1.92	1.72	93.58	95.94
3511 ^a	Clay Products Mfrs. - domestic clays (number of estb.)	73 (83)	41.43 (9)	61.77 (15)	70.72 (20)	77.09 (25)	82.32 (30)	97.93 (60)	42.75	x	23.62	6.18	7.20	7.40	..	..

INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Em- ploy- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
3512	Clay Products Mfrs. — imported clays (number of estb.)	38 (39)	64.35 (5)	80.65 (9)	89.24 (13)	94.42 (17)	97.29 (21)	— —	31.39	x	x	8.17	13.95	16.35	..	..
3530 ^a	Stone Products Manufacturers (number of estb.)	114 (114)	21.92 (4)	33.38 (8)	42.33 (12)	50.10 (16)	56.94 ^c (20)	83.03 (50)	13.59	44.68	36.62	3.66	2.73	3.01	83.06	68.92
3550	Asbestos Products Mfrs. (number of estb.)	15 (17)	x (5)	x (9)	99.60 (14)	— —	— —	— —	46.24	x	x	21.49	29.78	29.53	79.45	87.02
3561	Glass Manufacturers (number of estb.)	8 (12)	x (8)	100.00 (12)	— —	— —	— —	— —	84.44	x	x	44.26	38.15	35.95	97.56	87.29
3562	Glass Products Manufacturers (number of estb.)	116 (121)	66.22 (9)	75.57 (13)	80.66 (17)	84.27 (21)	87.06 (25)	96.45 (55)	83.90	x	22.39	13.83	19.10	21.02	79.98	80.46
3570	Abrasives Manufacturers (number of estb.)	18 (22)	82.39 (8)	95.87 (12)	99.12 (16)	99.93 (20)	— —	— —	59.90	x	3.80	21.20	22.05	21.94	93.32	94.16
3650 ^a	Petroleum Refineries (number of estb.)	25 (57)	80.00 (31)	96.12 (37)	99.45 (42)	99.88 (48)	99.98 (52)	— —	1,414.92	4.00	3.80	20.55	19.78	20.99	..	..
3690	Other Petroleum & Coal Products Industry (number of estb.)	28 (33)	46.42 (9)	64.86 (13)	77.31 (17)	88.58 (21)	96.07 (25)	— —	15.66	x	11.25	9.92	7.71	8.31	89.43	39.55
3710	Explosives & Ammunition Mfrs. (number of estb.)	6 (15)	x (13)	— —	— —	— —	— —	— —	74.03	x	x	54.34	63.67	62.57	..	..
3720 ^a	Mfrs. of Mixed Fertilizers (number of estb.)	40 (68)	62.22 (17)	81.84 (35)	88.84 (40)	94.00 (44)	96.16 (48)	— —	88.71	x	9.74	9.96	12.12	12.06	..	..
3730	Mfrs. of Plastics & Synthetic Resins (number of estb.)	26 (34)	61.70 (8)	x (15)	94.01 (20)	97.42 (24)	99.12 (28)	— —	155.48	6.88	6.12	13.73	12.67	15.75	75.81	82.23

**INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
3740	Total Mfrs. of Pharmaceuticals and Medicines (number of estb.)	156 (162)	21.24 (4)	35.13 (9)	46.54 (13)	57.02 (19)	66.60 (24)	92.79 (56)	237.77							
-1	Mfrs. of Ethical Drugs (number of estb.)	32 (32)	30.81 (4)	50.85 (8)	67.73 (12)	80.15 (16)	89.33 (20)	-	149.80	x	17.41	5.00	4.91	4.97	..	..
-2	Other Pharmaceuticals and Medicines (number of estb.)	127 (130)	37.20 (5)	56.55 (9)	66.92 (14)	73.30 (18)	78.47 (23)	94.17 (53)	87.98	x	28.85	5.23	5.53	6.47	..	..
3750 ^a	Paint & Varnish Mfrs. (number of estb.)	130 (150)	46.05 (18)	57.50 (27)	66.38 (32)	73.46 (36)	78.64 (40)	94.03 (70)	193.56	21.45	21.68	7.64	7.35	8.29	89.49	95.95
3760	Mfrs. of Soap & Cleaning Compounds (number of estb.)	123 (134)	x (11)	86.68 (17)	90.60 (21)	93.30 (27)	94.96 (31)	98.75 (61)	198.08	4.32	9.28	14.03	19.60	19.69	76.32	82.11
3770	Mfrs. of Toilet Preparations (number of estb.)	66 (67)	36.47 (4)	56.70 (8)	70.48 (13)	79.98 (17)	85.92 (21)	99.73 (51)	103.75	x	18.18	5.75	6.83	7.98	81.35	74.21
3780	Mfrs. of Industrial Chemicals (number of estb.)	70 (134)	38.29 (11)	60.83 (24)	73.24 (35)	81.32 (68)	86.96 (74)	99.07 (114)	685.44	x	14.01	6.75	5.90	5.75	76.57	71.89
3791	Manufacturers of Printing Inks (number of estb.)	26 (37)	62.81 (12)	82.29 (18)	90.52 (22)	95.69 (27)	98.44 (31)	-	22.92	x	6.58	12.66	12.60	12.19	96.77	82.61
3811	Instruments & Related Products Manufacturers (number of estb.)	112 (113)	56.00 (5)	66.84 ^c (9)	74.98 (13)	80.42 (17)	84.19 (21)	97.08 (51)	171.68	x	17.19	9.42	10.87	12.59	81.81	..
3812	Clock & Watch Manufacturers (number of estb.)	20 (20)	68.79 ^c (4)	88.14 (8)	94.41 (12)	98.05 (16)	100.00 (20)	-	24.14	5.35 ^c	4.49 ^c	25.26	16.66	20.70	98.05	97.32
3814	Ophthalmic Goods Mfrs. (number of estb.)	40 (82)	75.66 (38)	86.48 (48)	91.62 (54)	94.70 (58)	96.89 (62)	-	24.65	x	4.31	26.19	22.48	22.61	86.07	95.56

INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Estab- lish- ments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Em- ploy- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
3815	Dental Laboratories (number of estb.)	558 (560)	15.78 (5)	21.68 (9)	26.44 ^c (13)	30.24 (17)	33.24 (21)	46.57 (52)	18.94	226.30	112.13	1.79	1.27	1.36	100.00	100.00
3830 ^a	Broom, Brush & Mop Industry (number of estb.)	85 (88)	48.43 (5)	64.57 (9)	75.84 (15)	81.94 (19)	86.81 (23)	98.10 (53)	33.36	x	15.52	11.01	8.59	10.37	..	..
3850	Plastic Fabricators N.E.S. (number of estb.)	357 (376)	21.18 (12)	32.09 (19)	39.01 (25)	44.10 (30)	48.06 (35)	69.18 (66)	195.07	78.94	99.87	1.29	2.00	1.99	70.82	72.44
3931	Sporting Goods Industry (number of estb.)	130 (131)	46.73 (5)	62.14 (9)	70.58 ^c (13)	75.40 (17)	79.94 (21)	93.67 (51)	51.10	x	22.86	5.71	8.16	9.48	88.44	93.90
3932	Toys & Games Industry (number of estb.)	80 (81)	27.14 (4)	43.66 (8)	57.96 (12)	68.60 ^c (16)	76.27 (20)	97.46 (51)	43.93	22.45	20.86 ^c	6.26	3.94	4.50	96.85	77.48
3950	Fur Dressing & Dyeing Industry (number of estb.)	17 (17)	65.65 (4)	90.07 (8)	98.24 (12)	x (16)	- -	- -	7.92	x	6.32	12.67	13.56	14.45	..	..
3970 ^a	Signs & Displays Industry (number of estb.)	391 (399)	21.62 (11)	31.09 (15)	38.67 (19)	44.24 (23)	49.03 (27)	67.15 (58)	52.94	90.39	90.38	2.57	2.28	2.68	89.50	84.21
3981	Button, Buckle & Fastener Ind. (number of estb.)	26 (29)	68.97 (6)	x (10)	x (14)	x (18)	x (20)	- -	18.99	x	7.13	18.88	19.76	24.32	94.66	91.96
3986	Musical Instrument & Sound Recording Industry (number of estb.)	26 (27)	67.12 (5)	x (9)	x (13)	x (17)	x (21)	- -	26.75	x	6.10	11.68	14.75	17.06	79.64	84.91
3988	Typewriter Supplies Mfrs. (number of estb.)	11 (11)	73.78 ^c (4)	96.43 (8)	- -	- -	- -	- -	10.22	4.39 ^c	4.81 ^c	18.90	20.11	20.22	75.10	93.35
3989	Fountain Pen & Pencil Manufacturers (number of estb.)	19 (19)	54.68 ^c (4)	82.09 ^c (8)	94.05 (12)	99.37 ^c (16)	- -	- -	18.07	7.60 ^c	8.82 ^c	8.66	10.90	11.55	85.09	98.33

INDEXES OF ENTERPRISE CONCENTRATION IN 159
CANADIAN MANUFACTURING INDUSTRIES, 1985

TABLE A-1

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and Establi- shments)	Per Cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Enterprises													
9990	Leather Glove Factories Fabric Glove Manufacturers (number of estb.)	67 (72)	26.24 (7)	42.40 (11)	56.13 (15)	68.30 (20)	77.04 (25)	98.45 (55)	21.82	x	21.27	4.17	3.89	4.20	83.51	87.50

EXPLANATION OF FOOTNOTES

- a Industries for which regional statistics are given
- b Enterprises ranked or measured by Value Added
- c Estimated
- .. Not Available
- Not Applicable
- x Withheld to avoid disclosing figures for individual enterprise

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 169 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total	
			Largest Enterprises Accounted For													
			% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	Value Added $'000	Empl. No.
1010 ^a	Slaughtering & Meat Processors (number of estb.)	365 (399)	53.35 (29)	54.07	64.77	66.39	67.11	68.57	69.08	71.00	72.81	74.45	85.10	85.51	267,259	29,986
1030 ^a	Poultry Processors (number of estb.)	137 (150)	21.40	19.02 (8)	30.42	31.26	40.27	39.36	49.44	50.99	53.87	55.42	87.04	83.64	31,891	5,987
1060 ^a	Dairy Factories & Process Cheese Manufacturers (number of estb.)	1,165 (1,421)	30.66	24.45 (63)	39.69	33.56	46.18	40.52	50.15	44.94	52.55	46.74	65.92	60.21	277,437	33,475
1110 ^a	Fish Products Industry (number of estb.)	301 (376)	36.64	29.25 (37)	54.07	48.46	61.85	55.25	67.68	61.39	70.36	63.21	85.78	81.41	90,532	17,163
1120 ^a	Fruit & Vegetable Canners & Preservers (number of estb.)	266 (313)	41.72	36.56 (23)	54.95	48.15	61.96	54.61	66.81	59.19	71.17	63.54	86.57	81.28	176,100	19,645
1230 ^b	Feed Manufacturers (number of estb.)	739 (855)	29.28	16.62 (39)	39.79	27.63	46.57	31.23	51.71	39.28	55.58	42.47	67.94	53.40	79,072	8,548
1240 ^a	Flour Mills (number of estb.)	36 (51)	81.45 (18)	x	93.20	90.19	96.44	95.05	97.99	96.91	98.91	98.13	-	-	48,539	4,284
1250	Breakfast Cereal Manufacturers (number of estb.)	15 (17)	x	x (5)	x	x (10)	x	x (14)	-	-	-	-	-	-	28,165	1,364
1280	Biscuit Manufacturers (number of estb.)	35 (44)	68.86 (12)	62.22	84.06	x (17)	91.38	89.06	95.45	93.89	97.49	96.20	-	-	54,577	6,565
1290 ^a	Bakeries (number of estb.)	2,375 (2,465)	32.15	28.97 (66)	43.71	38.52	49.19	43.68	53.33	47.56	55.33	49.47	63.61	57.81	225,904	33,082
1310 ^a	Confectionery Manufacturers (number of estb.)	173 (180)	45.73	46.25 (8)	69.12	65.02	77.52	71.09	82.98	78.27	86.59	83.02	95.73	92.65	91,629	10,796

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total	
			Largest Enterprises Accounted For													
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	Value Added $'000	Empl. No.
1330	Sugar Refineries (number of estb.)	8 (13)	x (9)	x (9)	100.00 (13)	100.00	-	-	-	-	-	-	-	-	51,995	3,192
1350	Vegetable Oil Mills (number of estb.)	10 (12)	x (5)	x (5)	x (10)	x	-	-	-	-	-	-	-	-	10,585	622
1391	Macaroni Manufacturers (number of estb.)	17 (19)	x (5)	x (5)	x (9)	x	98.48 (14)	97.41	x (18)	x	-	-	-	-	9,794	891
1392 ^a	Miscellaneous Food Mfrs. (number of estb.)	240 (272)	35.46 (19)	21.72 (19)	51.08 (27)	33.72	60.64 (35)	42.67	67.63 (41)	48.51	71.95 (46)	51.67	87.41 (82)	73.25	219,233	13,253
1410 ^a	Soft Drink Manufacturers (number of estb.)	410 (470)	44.27 (42)	39.51 (42)	52.15 (51)	46.43	56.45 (60)	50.00	59.82 (64)	52.87	62.42 (72)	55.13	71.89 (105)	65.07	143,152	13,629
1430	Distilleries (number of estb.)	13 (22)	85.75 (10)	71.29	96.93 (17)	84.25	x (21)	x	-	-	-	-	-	-	157,552	4,954
1450 ^a	Breweries (number of estb.)	11 (52)	95.30 (41)	x (41)	99.63 (49)	98.97	-	-	-	-	-	-	-	-	213,551	9,471
1470	Wineries (number of estb.)	13 (19)	68.18 (9)	67.33 (9)	94.06 (14)	91.29	x (18)	x	-	-	-	-	-	-	12,478	747
1510	Leaf Tobacco Processing (number of estb.)	13 (18)	91.22 (9)	x (9)	97.97 (13)	93.89	99.71 (17)	99.32	-	-	-	-	-	-	15,795	1,638
1530	Tobacco Products Mfrs. (number of estb.)	12 (20)	90.83 (11)	x (11)	99.92 (16)	99.87	100.00 (20)	100.00	-	-	-	-	-	-	142,581	8,615
1610	Rubber Footwear Mfrs. (number of estb.)	7 (7)	78.83 (4)	x (4)	-	-	-	-	-	-	-	-	-	-	27,061	4,876

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	Largest Enterprises Accounted For												Total	
			4		8		12		16		20		50		Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
1630	Rubber Tire & Tube Mfrs. (number of estb.)	7 (11)	88.53 (8)	x	-	-	-	-	-	-	-	-	-	-	118,489	8,890
1690	Other Rubber Industries (number of estb.)	72 (78)	50.33 (8)	46.24	65.95	62.08 (12)	77.39	72.84 (16)	85.25	81.81 (22)	89.43	86.22 (26)	98.65	98.01 (56)	101,879	10,285
1720	Leather Tanneries (number of estb.)	34 (41)	67.17 (10)	67.18	82.11	x (15)	89.80	89.38 (19)	93.32	93.04 (23)	96.31	95.92 (27)	-	-	22,635	3,437
1740	Shoe Factories (number of estb.)	202 (219)	21.48	20.29 (17)	31.10	28.99 (23)	37.81	35.65 (29)	44.14	41.45 (33)	49.21	46.58 (37)	74.07	71.13 (67)	101,962	20,434
1792	Boot and Shoe Findings Mfrs. (number of estb.)	35 (39)	44.00	48.53 (8)	66.57	66.06 (12)	79.44	77.57 (16)	89.64	88.03 (20)	95.08	94.73 (24)	-	-	7,245	1,329
1799	Misc. Leather Products Mfrs. (number of estb.)	190 (191)	20.98	18.13 (4)	33.99	29.69 (8)	42.64	38.72 (12)	49.27	45.83 (16)	55.72	51.59 (20)	78.48	75.42 (50)	28,753	5,640
1830 ^b	Cotton Yarn & Cloth Mills (number of estb.)	16 (35)	x	x (23)	97.57 (27)	96.79	99.81	99.54 (31)	100.00	100.00 (35)	-	-	-	-	122,635	18,114
1950 ^b	Wool Yarn Mills Wool Cloth Mills (number of estb.)	70 (78)	32.27	30.33 (6)	52.56	47.68 (12)	65.30	60.33 (19)	74.98	69.35 (23)	81.32	76.55 (27)	98.80	97.96 (58)	58,692	9,148
2010	Total Synthetic Textile Mills (number of estb.)	53 (64)	59.97 (11)	54.25	75.42	73.33 (18)	82.43	78.59 (22)	86.65	83.65 (26)	90.65	88.27 (30)	99.96	99.17 (61)	172,304	20,193
-1	Mfrs. of Filament, Staple Fibre and Tow (number of estb.)	6 (7)	x	x (5)	-	-	-	-	-	-	-	-	-	-	73,368	6,249
-2 ^b	Synthetic Textile Spinners, Throwers & Weavers (number of estb.)	48 (57)	58.67 (11)	60.73	70.97	70.24 (16)	78.79	76.51 (20)	84.90	81.33 (24)	90.30	88.17 (29)	-	-	98,936	13,944

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For															
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	Value Added \$'000	Empl. No.
2110	Fibre Preparing Mills (number of estb.)	31 (31)	x (4)	x (4)	71.49 (8)	69.89 (8)	84.55 (12)	83.76 (12)	92.26 ^c (16)	90.10 ^c (16)	95.77 (20)	93.33 (20)	-	-	7,056	930		
2120	Thread Mills (number of estb.)	13 (13)	81.74 (4)	76.33 (4)	x (8)	x (8)	x (12)	x (12)	-	-	-	-	-	-	8,213	976		
2130	Cordage & Twine Industry (number of estb.)	18 (18)	x (4)	x (4)	x (8)	x (8)	x (12)	x (12)	x (16)	x (16)	-	-	-	-	8,195	1,106		
2140	Narrow Fabric Mills (number of estb.)	44 (47)	58.43 (6)	55.97 (6)	71.83 (10)	71.39 (10)	81.38 (14)	80.08 (14)	88.72 (18)	87.71 (18)	92.75 (22)	91.19 (22)	-	-	17,207	2,646		
2150	Pressed and Punched Felt Mills (number of estb.)	12 (12)	x (4)	x (4)	x (8)	x (8)	100.00 (12)	100.00 (12)	-	-	-	-	-	-	3,435	415		
2160	Carpet, Mat & Rug Industry (number of estb.)	23 (25)	70.33 (5)	66.95 (5)	87.84 (10)	84.28 (10)	x (14)	x (14)	98.16 (18)	96.22 (18)	99.84 (22)	99.58 (22)	-	-	33,464	3,335		
2180	Textile Dyeing & Finishing Plants (number of estb.)	(63) (64)	36.69 (5)	31.59 (5)	58.94 (9)	53.65 (9)	68.35 (13)	61.85 (13)	75.03 (17)	67.96 (17)	79.73 (21)	x (21)	98.32 (51)	97.34 (51)	19,409	2,488		
2190	Linoleum and Coated Fabrics Industry (number of estb.)	12 (14)	87.62 (6)	89.51 (6)	95.87 (10)	96.21 (10)	100.00 (14)	100.00 (14)	-	-	-	-	-	-	18,896	2,089		
2210 ^a	Canvas Products Industry (number of estb.)	143 (144)	31.40 (5)	29.44 (5)	42.94 (9)	42.72 (9)	50.53 (13)	52.89 (13)	58.03 (17)	58.98 (17)	63.49 (21)	63.36 (21)	84.21 (51)	84.80 (51)	10,950	1,987		
2230 ^a	Cotton and Jute Bag Industry (number of estb.)	26 (31)	51.33 (9)	51.80 (9)	73.66 (13)	70.30 (13)	86.46 (17)	81.96 (17)	92.53 (21)	90.19 (21)	96.63 (25)	96.11 (25)	-	-	7,568	1,081		
2291	Auto Fabric Accessory Manufacturers (number of estb.)	30 (30)	x (4)	x (4)	90.63 ^b (8)	86.36 ^b (8)	95.20 (12)	93.87 (12)	97.25 (16)	96.64 (16)	x (20)	x (20)	-	-	14,803	1,877		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 169 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total	
			Largest Enterprises Accounted For													
			% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	Value Added $'000	Empl. No.
2292	Embroidery, Pleating, Hemstitching (number of estb.)	131 (133)	x (5)	x (5)	33.58 (9)	35.80 (9)	40.87 (13)	42.41 (13)	48.16 (17)	49.07 (17)	53.06 (21)	53.19 (21)	81.31 (51)	83.15 (51)	9,137	1,846
2310	Hosiery Mills (number of estb.)	130 (134)	22.08 (6)	18.95 (6)	32.14 (10)	29.15 (10)	42.80 (14)	37.75 (14)	50.20 (19)	44.28 (19)	55.76 (23)	49.97 (23)	81.73 (54)	78.18 (54)	41,670	7,223
2390	Other Knitting Mills (number of estb.)	216 (227)	18.33 (11)	22.24 (11)	26.72 (16)	29.33 (16)	32.96 (20)	33.02 (20)	40.97 (25)	41.85 (25)	45.87 (29)	44.92 (29)	71.09 (60)	67.88 (60)	93,201	16,257
2431	Total Men's Clothing Factories (number of estb.)	464 (482)	12.77 (5)	12.15 (5)	20.65 (13)	19.96 (13)	25.67 (18)	25.92 (18)	30.50 (24)	29.91 (24)	34.97 (28)	33.99 (28)	53.51 (62)	52.82 (62)	169,899	34,774
-1	Men's Suit and Overcoats (number of estb.)	122 (125)	24.53 (4)	26.02 (4)	38.17 (8)	40.14 (8)	50.24 (12)	51.85 (12)	58.11 (16)	58.88 (16)	65.52 (22)	67.44 (22)	88.67 (53)	89.16 (53)	62,128	11,952
-2	Men's Trousers (number of estb.)	57 (59)	36.29 (6)	35.36 (6)	53.34 (10)	54.25 (10)	67.50 (14)	64.77 (14)	71.68 (18)	66.72 (18)	78.54 (22)	75.12 (22)	98.75 (52)	98.14 (52)	16,932	3,498
-3	Men's Windbreakers and Work Pants (number of estb.)	115 (120)	22.98 (4)	19.66 (4)	34.50 (10)	31.00 (10)	42.15 (15)	38.14 (15)	49.93 (19)	46.18 (19)	55.66 (24)	52.89 (24)	78.96 (55)	77.54 (55)	28,916	5,634
-4	Men's Overalls and Work Shirts (number of estb.)	37 (38)	54.50 (4)	48.16 (4)	66.78 (8)	61.71 (8)	76.60 (12)	71.24 (12)	83.15 (16)	78.67 (16)	88.72 (20)	84.02 (20)	-	-	18,116	3,957
-5	Men's Fine Shirts (number of estb.)	51 (55)	49.09 (8)	44.71 (8)	62.02 (12)	60.95 (12)	71.36 (16)	70.33 (16)	78.74 (20)	78.31 (20)	84.93 (24)	84.48 (24)	x (54)	x (54)	28,452	6,543
-6	Men's Other Clothing (number of estb.)	59 (60)	35.10 (4)	27.76 (4)	54.09 (10)	47.00 (10)	62.98 (12)	53.50 (12)	72.73 (16)	61.35 (16)	77.92 (20)	68.18 (20)	98.44 (51)	89.24 (51)	9,883	2,370
-7	Men's Neckwear (number of estb.)	25 (25)	62.63 (4)	55.36 (4)	79.41 (8)	73.17 (8)	88.81 (12)	84.75 (12)	94.31 (16)	92.92 (16)	98.44 (20)	98.17 (20)	-	-	5,471	820

77

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
2432	Men's Clothing Contractors (number of estb.)	139 (140)	16.01 (4)	18.96	27.21 (8)	29.58	35.60 (12)	37.68	42.09 (17)	44.60	47.51 (21)	50.61	74.83 (51)	75.99	18,586	5,652		
2441	Total Women's Clothing Factories (number of estb.)	623 (641)	5.13 (9)	5.73	9.11 (13)	8.80	11.27 (19)	11.11	14.35 (23)	13.91	16.61 (27)	15.94	31.13 (62)	30.86	168,618	30,223		
-1	Women's Coats and Suits (number of estb.)	145 (145)	13.51 (4)	15.36	19.75 (8)	22.77	27.35 (12)	28.63	34.89 (16)	35.14	41.36 (20)	40.55	70.59 (50)	69.95	34,286	5,511		
-2	Women's Dresses (number of estb.)	204 (208)	9.83 (4)	8.84	17.76 (8)	16.11	23.85 (13)	22.29	29.17 (19)	27.98	33.88 (23)	33.24	56.93 (53)	57.02	57,026	9,814		
-3	Women's Skirts and Blouses (number of estb.)	146 (148)	13.98 (4)	12.45	20.67 (8)	18.64	26.93 (12)	24.10	34.02 (17)	31.65	41.24 (21)	39.80	71.30 (52)	67.29	44,774	8,102		
-4	Women's Other Outerwear (number of estb.)	63 (64)	28.13 (4)	22.95	46.59 (8)	40.54	61.86 (12)	54.19	70.74 (16)	63.70	77.87 (20)	69.97	98.58 (51)	96.97	9,873	1,882		
-5	Women's Lingerie (number of estb.)	69 (76)	29.40 (7)	27.22	42.18 (12)	41.49	50.55 (16)	50.10	60.06 (22)	59.07	65.04 (26)	62.55	96.86 (57)	95.99	22,659	4,914		
2442	Women's Clothing Contractors (number of estb.)	237 (240)	6.68 (6)	5.62	12.86 (10)	11.59	18.17 (14)	16.89	23.03 (18)	21.63	27.57 (22)	26.25	51.04 (52)	48.97	18,863	5,977		
2450	Children's Clothing Industry (number of estb.)	177 (182)	13.24 (4)	11.09	22.47 (9)	20.67	30.05 (13)	28.90	35.55 (18)	34.06	41.29 (23)	40.93	69.01 (55)	69.00	38,752	8,763		
2460	Fur Goods Industry (number of estb.)	406 (406)	17.29 (4)	12.67	23.15 (8)	19.32	28.09 (12)	24.92	31.34 (16)	28.74	35.17 (20)	33.59	55.22 (50)	55.04	24,119	2,825		
2470	Total Hat and Cap Industry (number of estb.)	117 (117)	24.26 (4)	22.27	37.29 (8)	34.05	46.56 (12)	43.67	54.61 (16)	51.26	60.94 (20)	57.43	85.73 (50)	85.85	15,327	3,160		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added				
-1	Caps (number of estb.)	41 (41)	39.64 (4)	41.80	58.44 (8)	61.41	72.02 (12)	75.35	79.77 (16)	82.32	86.61 (20)	89.54	-	-	3,249	775		
-2	Men's Hats (number of estb.)	7 (7)	94.18 (4)	94.74	-	-	-	-	-	-	-	-	-	-	2,921	609		
-3	Women's and Children's Hats (number of estb.)	61 (61)	25.38 (4)	20.99	42.79 (8)	37.89	56.89 (12)	52.17	67.92 (16)	64.24	75.18 (20)	73.28	99.09 (50)	99.40	8,740	1,681		
-4	Hat & Cap Makers' Materials (number of estb.)	8 (8)	77.51 (4)	77.89	100.00 (8)	100.00	-	-	-	-	-	-	-	-	418	95		
2480	Foundation Garment Industry (number of estb.)	38 (43)	45.59 (4)	38.58	62.81 (10)	56.84	78.63 (15)	72.79	89.52 (20)	84.92	94.26 (24)	91.50	-	-	32,254	5,168		
2511	Shingle Mills (number of estb.)	64 (64)	39.32 (4)	39.42	63.78 (8)	62.99	75.33 (12)	72.56	83.54 (16)	83.10	88.90 ^c (20)	88.14 ^c	99.47 (50)	99.67	10,224	1,527		
2513 ^a	Sawmills and Planing Mills (number of estb.)	2,467 (2,559)	14.02 (14)	11.90	23.14 (33)	19.55	26.73 (41)	22.16	30.18 (50)	25.13	32.29 (61)	26.80	44.68 (119)	39.02	384,484	50,848		
2520 ^b _a	Veneer & Plywood Mills (number of estb.)	70 (83)	44.99 (11)	39.36	61.33 (18)	53.48	70.85 (23)	62.54	77.68 (27)	70.69	82.89 (31)	77.48	98.34 (63)	96.83	101,155	14,265		
2541 ^a	Sash, Door, & Other Millwork Plants (number of estb.)	980 (987)	8.32 (4)	6.85	13.47 (11)	12.08	18.58 (15)	16.15	22.34 (19)	18.78	25.73 (23)	20.95	44.65 (56)	37.40	83,990	12,553		
2542	Hardwood Flooring Industry (number of estb.)	20 (20)	x (4)	x	76.04 (8)	71.44	88.44 (12)	89.67	97.26 ^c (16)	95.98 ^c	100.00 (20)	100.00	-	-	8,932	1,569		
2560 ^a	Wooden Box Factories (number of estb.)	156 (160)	47.54 (5)	35.79	61.83 (10)	51.71	70.76 (15)	62.38	75.84 (20)	70.01	79.41 (24)	73.97	91.44 (54)	90.48	19,195	3,028		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	Largest Enterprises Accounted For												Total	
			4		8		12		16		20		50		Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
2580 ^a	Coffin & Casket Industry (number of estb.)	47 (56)	50.01 (13)	48.33	63.85 (17)	60.57	72.86 (21)	69.47	80.15 (25)	77.81	86.15 (29)	83.86	-	-	7,572	1,438
2591	Wood Preservation (number of estb.)	20 (31)	87.11 (15)	84.34	94.57 (19)	92.92	98.05 (23)	96.90	99.38 (27)	98.48	100.0 ^a (31)	100.00	-	-	14,679	1,456
2610	Household Furniture Industry (number of estb.)	1,693 (1,702)	9.33 (7)	9.19	13.41 (12)	13.03	17.30 (17)	16.46	20.77 (22)	19.84	24.07 (26)	23.29	39.37 (58)	36.82	143,816	22,589
2640	Office Furniture Industry (number of estb.)	42 (45)	51.59 (7)	44.75	72.75 (11)	69.95	85.29 (15)	83.07	91.13 (19)	90.54	94.78 (23)	94.15	-	-	33,413	4,241
2660	Misc. Furniture Industry (number of estb.)	439 (447)	18.97 (9)	15.77	26.56 (13)	25.27	32.70 (19)	30.70	37.01 (23)	34.93	41.56 (27)	38.93	60.11 (57)	55.84	81,866	12,147
2680	Electric Lamp and Shade Industry (number of estb.)	68 (68)	x (4)	x	47.78 ^c (8)	45.91 ^c	59.28 (12)	59.24	69.82 (16)	66.40	78.34 (20)	76.34	97.63 (50)	97.68	8,233	1,298
2710 ^b	Total Pulp and Paper Mills (number of estb.)	59 (132)	35.70 (38)	37.22	53.50 (55)	53.68	67.28 (65)	64.28	77.33 (72)	74.89	83.77 (80)	80.40	99.85 (123)	99.42 ^d	1,033,532	69,897
-1 ^b	Other Pulp and Paper Mills (number of estb.)	50 (90)	36.62 (21)	34.32	57.42 (30)	50.72	70.02 (39)	65.14	79.60 (47)	x	87.01 (56)	82.89	100.00 (90)	100.00	488,608	33,795
-2 ^b	Newsprint Mills (number of estb.)	21 (42)	44.83 (20)	43.14	69.97 (28)	69.40	87.09 (33)	x	97.03 (37)	96.12	x (41)	x	-	-	544,924	36,102
2720	Asphalt Roofing Mfrs. (number of estb.)	10 (21)	78.06 (11)	72.50	x (19)	x	-	-	-	-	-	-	-	-	26,100	1,942
2731	Mfrs. of Folding Cartons and Set-up Boxes (number of estb.)	107 (121)	39.03 (13)	31.43	53.29 (21)	43.01	62.41 (25)	52.94	68.80 (30)	59.86	73.84 (34)	67.28	91.63 (64)	89.56	61,488	8,229

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 150 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	Largest Enterprises Accounted For												Total	
			4		8		12		16		20		50			
			% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	Value Added \$'000	Empl. No.
2732	Mfrs of Corrugated Boxes (number of estb.)	26 (49)	55.54 (21)	56.36 (15)	83.34 (30)	80.33 (30)	93.89 (35)	93.97 (35)	98.39 (39)	98.06 (39)	99.29 (43)	99.35 (43)	-	-	69,098	7,769
2733 ^a	Paper and Plastic Bag Mfrs. (number of estb.)	56 (74)	43.33 (15)	41.38 (15)	68.02 (24)	63.88 (24)	78.84 (30)	76.84 (30)	85.25 (34)	83.20 (34)	88.76 (38)	87.04 (38)	99.74 (68)	99.45 (68)	41,883	4,954
2740	Miscellaneous Paper Converters (number of estb.)	176 (204)	27.84 (15)	23.56 (15)	39.08 (26)	35.85 (26)	48.11 (31)	45.00 (31)	56.06 (36)	54.51 (36)	62.18 (40)	60.63 (40)	83.79 (75)	80.97 (75)	115,325	12,215
2850 ^a	Commercial Printing, Publishing Only, Publishing and Printing (number of estb.)	3,050 (3,127)	14.42 (17)	11.55 (17)	23.02 (26)	18.57 (26)	28.83 (44)	24.17 (44)	33.77 (48)	27.80 (48)	38.04 (68)	31.42 (68)	53.55 (110)	44.93 (110)	682,945	72,815
2870 ^a	Platemaking, Typesetting & Trade Bindery Plants (number of estb.)	330 (338)	24.42 (11)	21.02 (11)	34.10 (15)	28.94 (15)	40.45 (19)	34.29 (19)	45.60 (23)	39.32 (23)	49.64 (27)	43.81 (27)	68.15 (57)	63.69 (57)	51,785	5,922
2910 ^b	Iron & Steel Mills (number of estb.)	33 (41)	80.20 (8)	71.64 (8)	91.14 (14)	88.08 (14)	95.13 (19)	92.42 (19)	97.36 (24)	95.19 (24)	98.52 (28)	96.63 (28)	-	-	646,100	44,274
2920	Steel Pipe & Tube Mills (number of estb.)	14 (21)	72.71 (10)	71.74 (10)	92.70 (15)	93.66 (15)	x (19)	x (19)	-	-	-	-	-	-	58,232	4,799
2940 ^a	Iron Foundries (number of estb.)	128 (137)	40.34 (8)	34.30 (8)	56.62 (15)	50.81 (15)	65.05 (20)	60.50 (20)	71.75 (25)	66.57 (25)	76.90 (29)	70.89 (29)	92.70 (59)	88.81 (59)	93,622	11,714
2960	Aluminum Rolling, Casting & Extruding (number of estb.)	42 (50)	83.99 (9)	82.18 (9)	91.56 (15)	88.59 (15)	94.31 (19)	92.45 (19)	96.62 (23)	95.18 (23)	97.64 (27)	96.69 (27)	-	-	43,914	4,654
2970	Copper & Alloy, Rolling, Casting and Extruding (number of estb.)	54 (56)	x (6)	x (6)	88.30 (10)	81.68 (10)	92.25 (14)	86.98 (14)	94.67 (18)	90.60 (18)	96.06 (22)	92.81 (22)	99.96 (52)	99.94 (52)	42,443	3,620
2980	Metal Rolling, Casting & Extruding, N.E.S. (number of estb.)	64 (73)	52.45 (13)	37.55 (13)	63.33 (17)	49.33 (17)	70.74 (21)	59.90 (21)	81.77 (25)	74.27 (25)	86.51 (29)	77.43 (29)	99.14 (59)	98.58 (59)	41,340	3,736
3010	Boiler and Plate Works (number of estb.)	66 (66)	56.37 (4)	45.08 (4)	68.06 (8)	57.03 (8)	76.95 (12)	65.97 (12)	82.80 (16)	75.16 (16)	85.85 ^c (20)	x (20)	98.47 (50)	94.79 (50)	61,493	6,496

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	Largest Enterprises Accounted For												Total	
			4		8		12		16		20		50			
			% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	Value Added \$'000	Empl. No.
3020 ^a	Fabricated Structural Metal Industry (number of estb.)	75 (97)	48.28 (22)	51.15	64.76 (27)	63.75	75.66 (33)	74.09	81.30 (37)	79.75	86.27 (41)	84.03	98.26 (72)	97.48	187,359	18,072
3030	Ornamental & Architectural Metal Industry (number of estb.)	630 (634)	14.37 (4)	13.27	23.39 (9)	22.32	28.23 (13)	26.56	33.38 (17)	31.40	37.48 (21)	33.58	58.37 (53)	54.08	103,478	13,439
3040	Total Metal Stamping, Pressing & Coating Industry (number of estb.)	606 (653)	29.05 (24)	18.24	36.46 (37)	25.99	44.01 (42)	33.32	47.74 (47)	36.82	51.27 (51)	40.92	67.17 (90)	56.57	275,049	27,925
-1	Mfrs. of Metal Food Cans (number of estb.)	5 (11)	x	x	-	-	-	-	-	-	-	-	-	-	50,462	2,944
-2	Other Metal Stamping, Pressing & Coating Industry (number of estb.)	604 (642)	17.20 (21)	13.44	25.96 (29)	20.81	32.87 (33)	26.85	37.22 (38)	31.90	41.51 (43)	34.63	60.20 (81)	51.61	224,587	24,981
3050	Wire & Wire Products Mfrs. (number of estb.)	206 (223)	35.85 (12)	36.51	49.25 (16)	44.51	59.39 (24)	54.53	68.19 (30)	62.24	72.86 (34)	66.81	87.51 (67)	83.91	152,908	16,099
3060	Hardware, Tool & Cutlery Mfrs. (number of estb.)	414 (423)	15.60 (6)	10.65	26.90 (11)	22.40	35.86 (16)	29.98	41.25 (21)	34.95	47.04 (26)	40.35	66.49 (58)	62.13	123,692	13,570
3070	Heating Equipment Mfrs. (number of estb.)	105 (106)	35.73 (4)	30.11	50.27 (9)	45.49	58.83 (13)	55.10	63.64 (17)	60.40	69.99 (21)	65.90	91.75 (51)	90.24	50,305	5,711
3080 ^a	Machine Shops (number of estb.)	954 (957)	7.39 (5)	5.76	11.53 (9)	9.59	15.82 (14)	13.19	18.69 (18)	15.79	20.94 (22)	17.66	35.20 (52)	32.07	90,420	11,618
3110	Agricultural Implement Ind. (number of estb.)	94 (96)	67.21 (6)	69.74	80.97 (10)	79.87	87.64 (14)	86.61	91.30 (18)	89.51	93.51 (22)	91.63	98.43 (52)	97.71	126,743	13,721
3150	Misc. Machinery & Equip. Mfrs. (number of estb.)	514 (528)	17.85 (6)	16.64	26.24 (14)	25.06	32.07 (19)	29.93	36.00 (23)	34.63	39.30 (27)	36.45	60.47 (61)	57.46	419,738	43,956

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
3160	Commercial Refrigeration & Air Conditioning Equip. Mfrs. (number of estb.)	36 (37)	42.78 (5)	45.98	68.79 (9)	66.33	x (13)	x	86.83 (17)	85.93	93.65 (21)	90.66	-	-	22,077	2,240		
3180	Office and Store Machinery Mfrs. (number of estb.)	23 (23)	77.58 (4)	33.70	92.68 (8)	44.66	98.06 ^c (12)	x	99.19 (16)	47.50	x (20)	x	-	-	63,544	9,899		
3210 ^b	Aircraft & Parts Mfrs. (number of estb.)	76 (85)	74.48 (8)	70.84	83.65 (14)	81.89	88.66 (19)	86.82	92.24 (23)	90.67	94.81 (29)	93.67	99.73 (59)	99.56	214,535	27,738		
3230 ^b	Motor Vehicle Manufacturers (number of estb.)	19 (20)	94.79 (5)	88.44	98.57 (9)	96.07	99.58 (13)	98.36	99.91 (17)	99.17	-	-	-	-	631,390	42,432		
3240 ^a	Truck Body & Trailer Mfrs. (number of estb.)	155 (160)	34.47 (7)	30.67	48.02 (13)	46.88	58.78 (17)	55.89	64.81 (21)	62.26	69.82 (25)	66.45	85.80 (55)	84.24	43,890	5,432		
3250 ^b	Motor Vehicle Parts & Accessories Mfrs. (number of estb.)	150 (160)	51.94 (9)	48.85	62.88 (14)	57.97	69.39 (18)	62.77	74.68 (22)	68.74	78.45 (27)	74.19	93.14 (60)	90.61	326,641	31,982		
3260	Railroad Rolling Stock Ind. (number of estb.)	11 (13)	82.35 (5)	82.65	99.05 (10)	99.23	-	-	-	-	-	-	-	-	58,936	6,002		
3270	Shipbuilding & Repair (number of estb.)	65 (71)	64.37 (10)	59.71	84.91 (14)	83.24	87.89 (18)	87.17	90.28 (22)	89.77	91.98 (26)	91.73	99.28 (56)	99.10	155,128	18,586		
3280 ^a	Boatbuilding & Repair (number of estb.)	242 (242)	18.55 (4)	16.57	31.00 (8)	26.70	40.42 (12)	36.62	47.72 (16)	42.32	53.26 (20)	50.69	73.61 (50)	71.26	13,077	1,876		
3290	Misc. Vehicle Manufacturers (number of estb.)	19 (19)	85.19 (4)	78.60	x (8)	92.07 ^c	x (12)	x	x (16)	x	-	-	-	-	12,312	1,262		
3310	Mfrs. of Small Electrical Appliances (number of estb.)	59 (61)	57.00 (6)	47.41	72.78 (10)	64.45	79.70 (14)	73.26	84.66 (18)	80.82	89.68 (22)	86.48	99.80 (52)	99.69	54,673	5,173		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
3320	Mfrs. of Major Appliances Electrical & Non-Electrical (number of estb.)	32 (35)	42.12 (6)	36.74	69.82 (11)	64.29	81.69 (15)	77.15	89.36 (19)	87.02	96.14 (23)	95.42	-	-	116,324	13,375		
3340	Mfrs. of Household Radio & T.V. Receivers (number of estb.)	24 (25)	49.93 (4)	47.49	87.03 (9)	84.38	95.24 ^c (13)	92.57 ^c	99.51 (17)	96.70	99.82 (21)	97.14	-	-	59,773	7,013		
3350	Communications Equip. Mfrs. (number of estb.)	138 (148)	58.32 (10)	49.52	75.05 (18)	68.97	79.24 (22)	76.78	83.24 (26)	78.56	85.54 (30)	81.22	94.89 (60)	93.43	275,670	33,481		
3360	Mfrs. of Electrical Industrial Equipment (number of estb.)	101 (124)	63.68 (13)	58.37	77.09 (24)	71.81	83.96 (29)	77.91	87.13 (33)	82.29	89.80 (42)	85.14	97.37 (73)	96.48	220,559	21,739		
3370	Battery Manufacturers (number of estb.)	13 (23)	81.69 (14)	77.47	98.35 (18)	97.75	x (22)	x	-	-	-	-	-	-	24,728	2,362		
3380	Mfrs. of Electrical Wire and Cable (number of estb.)	16 (25)	73.11 (13)	68.36	90.88 (17)	87.10	98.34 (21)	98.01	100.00 (25)	100.00	-	-	-	-	95,121	7,864		
3390	Mfrs. of Misc. Electrical Products (number of estb.)	144 (154)	44.39 (14)	38.40	56.76 (18)	47.90	63.46 (22)	56.41	69.94 (26)	64.86	73.86 (30)	68.90	90.00 (60)	86.81	115,806	12,384		
3410	Cement Manufacturers (number of estb.)	10 (22)	78.52 (16)	x (16)	x (20)	x	-	-	-	-	-	-	-	-	104,081	3,837		
3475 ^a	Concrete Products Mfrs. Ready-Mix Concrete Mfrs. (number of estb.)	738 (825)	20.63 (30)	17.19	28.77 (55)	23.54	34.94 (61)	28.94	41.23 (70)	34.86	44.15 (74)	37.72	63.01 (119)	56.79	187,216	17,547		
3511 ^a	Clay Products Mfrs.-domestic clays (number of estb.)	73 (83)	43.42 (9)	37.84	62.56 (15)	53.35	71.17 (20)	62.93	77.17 (25)	68.93	82.46 (30)	75.35	97.92 (60)	96.47	31,095	3,522		
3512	Clay Products Mfrs.-imported clays (number of estb.)	38 (39)	64.05 (5)	45.65	81.26 (9)	68.97	89.94 (13)	80.58	95.07 (17)	90.61	97.16 (21)	94.37	-	-	21,272	2,153		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 199 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	Largest Enterprises Accounted For												Total	
			4		8		12		16		20		50			
			% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	Value Added \$'000	Empl. No.
3530 ^a	Stone Products Manufacturers (number of estb.)	114 (114)	22.26 (4)	22.86 (4)	35.69 (8)	36.50 (8)	45.03 (12)	45.73 (12)	52.19 (16)	52.91 (16)	x (20)	x (20)	83.59 (50)	85.56 (50)	8,506	1,115
3550	Asbestos Products Mfrs. (number of estb.)	15 (17)	x (5)	x (5)	x (9)	x (9)	99.54 (14)	94.32 (14)	-	-	-	-	-	-	27,188	2,606
3561	Glass Manufacturers (number of estb.)	8 (12)	x (8)	x (8)	100.00 (12)	100.00 (12)	-	-	-	-	-	-	-	-	56,779	7,220
3562	Glass Products Manufacturers (number of estb.)	116 (121)	67.50 (9)	48.97 (9)	75.61 (13)	59.89 (13)	80.07 (17)	66.46 (17)	82.77 (21)	71.69 (21)	85.30 (25)	76.73 (25)	95.93 (55)	93.40 (55)	38,518	3,653
3570	Abrasives Manufacturers (number of estb.)	18 (22)	81.48 (8)	x (8)	95.29 (12)	94.93 (12)	98.95 (16)	98.61 (16)	99.90 (20)	99.78 (20)	-	-	-	-	30,264	2,821
3650 ^a	Petroleum Refineries (number of estb.)	25 (57)	83.44 (51)	x (51)	95.27 (37)	92.11 (37)	98.62 (42)	97.20 (42)	99.64 (48)	99.07 (48)	99.93 (52)	99.77 (52)	-	-	257,587	9,384
3690	Other Petroleum & Coal Products Industry (number of estb.)	28 (33)	50.91 (9)	49.52 (9)	67.00 (13)	62.90 (13)	76.31 (17)	73.63 (17)	89.14 (21)	85.49 (21)	95.67 (25)	93.03 (25)	-	-	7,701	531
3710	Explosives & Ammunition Mfrs. (number of estb.)	6 (15)	x (13)	x (13)	-	-	-	-	-	-	-	-	-	-	45,267	4,140
3720 ^a	Mfrs. of Mixed Fertilizers (number of estb.)	40 (68)	60.57 (17)	54.92 (17)	78.66 (35)	73.17 (35)	84.95 (40)	81.04 (40)	93.14 (44)	91.00 (44)	95.65 (48)	92.37 (48)	-	-	21,271	1,968
3730	Mfrs. of Plastics & Synthetic Resins (number of estb.)	26 (34)	64.09 (8)	60.54 (8)	x (15)	x (15)	95.22 (20)	93.46 (20)	97.37 (24)	95.97 (24)	99.17 (28)	98.50 (28)	-	-	71,125	3,825
3740	Total Mfrs. of Pharmaceuticals and Medicines (number of estb.)	156 (162)	21.55 (4)	16.59 (4)	35.73 (9)	28.28 (9)	48.44 (13)	38.48 (13)	59.04 (19)	47.87 (19)	67.30 (24)	59.88 (24)	93.14 (56)	88.30 (56)	162,318	11,137

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
-1	Mfrs. of Ethical Drugs (number of estb.)	32 (32)	30.12 (4)	29.95 (4)	50.83 (8)	47.16 (8)	69.10 (12)	64.61 (12)	81.26 (16)	74.58 (16)	91.07 (20)	83.20 (20)	-	-	105,119	6,444		
-2	Other Pharmaceuticals and Medicines (number of estb.)	127 (130)	39.74 (5)	32.72 (5)	58.08 (9)	44.64 (9)	67.50 (12)	55.18 (12)	73.57 (18)	61.43 (18)	77.96 (23)	66.65 (23)	94.59 (53)	85.16 (53)	57,199	4,693		
3750 ^a	Paint & Varnish Mfrs. (number of estb.)	130 (150)	47.87 (18)	47.32 (18)	61.32 (27)	56.74 (27)	69.53 (32)	64.05 (32)	77.04 (36)	72.45 (36)	81.38 (40)	77.81 (40)	94.82 (70)	92.82 (70)	93,998	7,824		
3760	Mfrs. of Soap & Cleaning Compounds (number of estb.)	123 (134)	x (11)	x (11)	86.94 (17)	77.12 (17)	91.39 (21)	81.52 (21)	94.03 (27)	85.47 (27)	95.42 (31)	87.99 (31)	98.89 (61)	96.88 (61)	103,254	5,688		
3770	Mfrs. of Toilet Preparations (number of estb.)	66 (67)	45.11 (4)	30.81 (4)	62.45 (8)	47.24 (8)	73.93 (13)	60.82 (13)	82.92 (17)	70.10 (17)	87.71 (21)	81.49 (21)	99.80 (51)	99.27 (51)	69,745	4,426		
3780	Mfrs. of Industrial Chemicals (number of estb.)	70 (134)	36.71 (11)	39.19 (11)	58.79 (24)	61.90 (24)	71.97 (35)	71.70 (35)	82.04 (68)	81.23 (68)	88.34 (74)	86.11 (74)	99.36 (114)	98.79 (114)	358,205	18,899		
3791	Manufacturers of Printing Inks (number of estb.)	26 (37)	61.95 (12)	61.03 (12)	82.00 (18)	80.19 (18)	90.33 (22)	87.03 (22)	95.93 (27)	93.31 (27)	98.55 (31)	97.58 (31)	-	-	11,773	1,242		
3811	Instruments & Related Products Manufacturers (number of estb.)	112 (113)	57.90 (5)	52.84 (5)	69.66 ^c (9)	61.87 ^c (9)	77.70 (13)	68.98 (13)	82.01 (17)	74.16 (17)	85.02 (21)	77.52 (21)	97.10 (51)	91.77 (51)	98,477	11,216		
3812	Clock and Watch Manufacturers (number of estb.)	20 (20)	x (4)	x (4)	89.77 (8)	88.62 (8)	95.12 (12)	94.65 (12)	98.80 (16)	98.83 (16)	100.00 (20)	100.00 (20)	-	-	12,211	1,292		
3814	Ophthalmic Goods Mfrs. (number of estb.)	40 (82)	73.39 (38)	x (38)	86.38 (48)	89.49 (48)	91.98 (54)	92.85 (54)	94.48 (58)	95.53 (58)	96.41 (62)	97.21 (62)	-	-	13,247	2,731		
3815	Dental Laboratories (number of estb.)	558 (560)	15.82 (5)	19.31 (5)	22.09 (9)	27.89 (9)	27.14 ^c (13)	35.23 ^c (13)	31.06 (17)	40.98 (17)	33.93 (21)	44.80 (21)	46.98 (52)	60.59 (52)	14,344	1,703		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-2

S.I.C. No.	INDUSTRY	Total No. of Enter- prises (and estb.)	Largest Enterprises Accounted For												Total	
			4		8		12		16		20		50			
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	Value Added \$'000	Empl. No.
3830 ^a	Broom, Brush & Mop Industry (number of estb.)	85 (88)	52.37 (5)	49.29	68.00 (9)	63.32	77.16 (15)	73.70	83.02 (19)	78.84	87.84 (23)	84.26	98.06 (53)	98.47	18,057	2,822
3850	Plastic Fabricators N.E.S. (number of estb.)	357 (376)	21.91 (12)	14.68	31.50 (19)	21.52	39.71 (25)	27.52	44.15 (30)	32.92	47.60 (35)	36.11	68.20 (66)	59.61	98,010	11,617
3931	Sporting Goods Industry (number of estb.)	130 (131)	48.00 (5)	39.70	62.99 (9)	56.68	x (13)	x	74.87 (17)	69.25	79.34 (21)	x	92.64 (51)	89.69	28,457	4,423
3932	Toys & Games Industry (number of estb.)	80 (81)	30.69 (4)	36.05	47.84 (8)	50.04	59.55 (12)	62.65	69.42 ^c (16)	69.02 ^c	75.63 (20)	75.58	96.96 (51)	96.80	21,642	3,567
3950	Fur Dressing & Dyeing Industry (number of estb.)	17 (17)	65.75 (4)	62.50	89.92 (8)	x	98.13 (12)	98.06	x (16)	x	-	-	-	-	6,260	928
3970 ^a	Signs & Displays Industry (number of estb.)	391 (399)	22.41 (11)	26.61	29.76 (15)	31.92	37.50 (19)	38.37	42.75 (23)	43.82	47.07 (27)	47.22	64.45 (58)	65.03	32,857	4,805
3981	Botton, Buckle & Fastener Ind. (number of estb.)	26 (29)	72.37 (6)	68.07	x (10)	x	x (14)	x	x (18)	x	x (23)	x	-	-	11,202	1,585
3986	Musical Instrument and Sound Recording Industry (number of estb.)	26 (27)	71.52 (5)	55.62	x (9)	x	x (13)	x	x (17)	x	x (21)	x	-	-	18,403	1,688
3988	Typewriter Supplies Mfrs. (number of estb.)	11 (11)	x (4)	x	96.68 (8)	94.36	-	-	-	-	-	-	-	-	4,883	603
3989	Fountain Pen & Pencil Mfrs. (number of estb.)	19 (19)	x (4)	x	83.87 ^b (8)	76.24 ^b	95.05 (12)	91.14	99.35 ^c (16)	98.82 ^c	-	-	-	-	10,305	1,107
9990	Leather Glove Factories Fabric Glove Manufacturers (number of estb.)	67 (72)	28.12 (7)	26.17	44.11 (11)	42.07	58.32 (15)	55.59	69.89 (20)	68.24	78.75 (25)	77.16	98.08 (55)	97.80	11,039	2,781

EXPLANATION OF FOOTNOTES

- a Industries for which regional statistics are given
- b Enterprises ranked or measured by Value Added
- c Estimated
- Not Applicable
- x Withheld to avoid disclosing figures for individual enterprise

INDEXES OF ESTABLISHMENT CONCENTRATION IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-3

S.I.C. No.	INDUSTRY	Total No. of Estb.	Percent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Shipments (\$Mil.)	No. of Largest Establishments Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Shipments	80% Employment	Empl.	Ship.	Value Added		
			Largest Establishments													
1010 ^a	Slaughtering & Meat Processors	399	x	x	43.80	50.04	55.52	79.27	1,438.74	51.28 ^c	52.62	2.50	2.81	2.60	87.03	85.93
1030 ^a	Poultry Processors	150	19.55	31.31	41.29 ^c	50.50	56.47	85.20	192.58	42.16	52.66	1.71	2.25	1.91	95.83	86.75
1060 ^a	Dairy Factories & Process Cheese Mfrs.	1,421	10.43	14.76	18.30	21.34	23.98	38.77	1,061.71	364.10	357.85	.44	.70	1.15	..	..
1110 ^a	Fish Products Industry	376	16.06 ^c	24.12 ^c	30.76	35.89	40.38	63.76	269.31	85.97	89.21	1.18	1.47	1.79	95.21	99.95
1120 ^a	Fruit & Vegetable Canners & Preservers	313	24.09	32.65	39.79	45.86	50.72	73.33	435.75	65.26	78.00	2.49	2.80	3.48	..	..
1230 ^b	Feed Manufacturers	855	7.99	17.37	x	x	30.88	45.27	392.83	203.68	318.34	.57	.79	1.06	..	..
1240 ^a	Flour Mills	51	38.65 ^c	58.39	72.76	81.47	87.90	99.99 ^c	244.48	15.50 ^c	26.08	5.65	6.04	8.67	97.03	92.79
1250	Breakfast Cereal Manufacturers	17	89.75 ^c	97.86 ^c	99.71	99.96 ^c	-	-	47.74	2.64 ^c	2.61 ^c	33.07	33.24	36.98	..	..
1280	Biscuit Manufacturers	44	44.05	65.74	77.69	85.35	90.72 ^c	-	102.71	13.00 ^c	17.42 ^c	5.86	7.71	9.50	95.69	98.57
1290 ^a	Bakeries	2,465	11.15	17.65	23.06 ^c	27.38	30.79	47.86	444.05	391.62	486.86	.54	.74	.74	96.46	93.98
1310 ^a	Confectionery Manufacturers	180	33.96 ^c	51.28 ^c	63.91 ^c	72.01	77.55	94.03 ^c	187.57	22.64	25.24 ^c	4.66	4.96	5.39	74.82	92.41
1330	Sugar Refineries	13	64.79 ^c	89.89 ^c	98.92 ^c	-	-	-	152.77	x	7.35	12.22	14.00	16.19	100.00	100.00
1350	Vegetable Oil Mills	12	81.98 ^c	96.15	100.00	-	-	-	94.98	3.55 ^c	6.73 ^c	12.43	24.49	21.24	98.90	84.83
1391	Macaroni Manufacturers	19	77.98	91.40	97.29 ^c	99.23 ^c	-	-	22.80	4.53 ^c	5.82 ^c	22.67	22.48	23.50	..	..
1392 ^a	Miscellaneous Food Mfrs.	272	22.65	34.30	42.52	48.12	53.02	77.65	565.17	54.72	92.04	1.46	2.32	3.28	..	..
1410 ^a	Soft Drink Manufacturers	470	15.38 ^c	24.20 ^c	30.09	34.87	39.02	55.98	225.70	157.30	175.90	1.01	1.25	1.59	99.54	96.86
1430	Distilleries	22	64.59	84.62 ^c	93.42	97.67	99.76 ^c	-	228.40	6.75 ^c	14.16	12.35	14.23	15.94	87.87	95.83
1450 ^a	Breweries	52	35.18	55.99 ^c	66.01 ^c	75.39 ^c	82.93	99.88 ^c	298.44	18.41 ^c	23.84	5.72	5.25	5.57	99.05	99.98

INDEXES OF ESTABLISHMENT CONCENTRATION IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-3

S.I.C. No.	INDUSTRY	Total No. of Estb.	Percent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$Mil.)	No. of Largest Establishments Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Establishments													
1470	Wineries	19	58.22	83.38 ^c	95.05 ^c	99.49 ^c	-	-	23.09	7.20	9.28	10.92	12.37	12.36	95.33	100.00
1510	Leaf Tobacco Processing	18	66.87 ^c	93.14 ^c	98.62 ^c	99.74 ^c	-	-	99.52	5.16 ^c	7.77 ^c	9.30	14.39	21.41	100.00	99.00
1530	Tobacco Products Mfrs.	20	57.77	84.29 ^c	97.89	99.93	100.00	-	280.26	7.45	10.96 ^c	11.16	12.11	11.38	100.00	99.00
1610	Rubber Footwear Mfrs.	7	79.01	-	-	-	-	-	43.23	x	4.04	19.01	19.04	19.01	..	..
1630	Rubber Tire & Tube Mfrs.	11	x	x	-	-	-	-	249.41	x	4.51	17.27	16.68	17.37	..	..
1690	Other Rubber Industries	78	36.70	57.94	69.35	79.26	84.82	97.94	181.85	x	19.58	4.96	5.53	6.63	..	..
1720	Leather Tanneries	41	43.40	66.12 ^c	79.68	87.45	92.55 ^c	-	60.20	x	13.68 ^c	7.33	7.00	6.24	94.94	99.00
1740	Shoe Factories	219	10.05	17.62	23.77	29.43	34.41	63.06	199.28	80.17	84.71	1.01	1.07	1.06	98.21	100.00
1792	Boot & Shoe Findings Mfrs.	39	38.59 ^c	57.87 ^c	71.96 ^c	83.72	91.25	-	14.28	14.78 ^c	14.74	5.96	6.13	5.76	84.71	76.89
1799	Misc. Leather Products Mfrs.	191	20.69	34.00	42.38	49.29	55.24	79.45	55.57	52.25 ^c	56.12	1.96	2.21	2.24	73.97	90.25
1830 ^b	Cotton Yarn & Cloth Mills	35	x	x	x	x	89.04	-	305.66	14.78	17.34	5.48	8.39	8.55	..	..
1950 ^b	Wool Yarn Mills Wool Cloth Mills	78	24.42	43.06	56.00	64.37	71.97	97.01	131.47	23.66	25.76	3.31	3.56	3.72	..	..
2010	Total Synthetic Textile Mills	64	45.69	60.20	69.42	76.40 ^c	81.70	98.94 ^c	373.84	19.11 ^c	20.93	6.73	7.40	10.68	90.47	92.30
-1	Mfrs. of Filament, Staple Fibre and Tow	7	x	-	-	-	-	-	142.62	2.51	2.84	25.89	33.66	38.06	..	..
-2	Synthetic Textile Spinners, Throwers & Weavers	57	38.00	54.42	64.36	72.07	79.60	99.68	231.23	x	28.57	8.85	6.55	11.46	..	..
2110	Fibre Preparing Mills	31	50.96 ^c	74.44	86.94	94.38 ^c	97.70	-	18.26	9.83 ^c	10.56 ^c	10.17	9.63	10.48	68.85	49.89
2120	Thread Mills	13	74.28	92.92 ^c	98.98 ^c	-	-	-	16.50	4.84 ^c	4.46 ^c	25.19	21.31	29.29	97.09	98.17
2130	Cordage & Twine Industry	18	74.85 ^c	97.03 ^c	99.27 ^c	99.88 ^c	-	-	26.32	x	3.94 ^c	20.76	21.15	19.42	98.58	90.06

INDEXES OF ESTABLISHMENT CONCENTRATION IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-3

S.I.C. No.	INDUSTRY	Total No. of Estb.	Percent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Shipments (\$Mil.)	No. of Largest Establishments Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Shipments	80% Employment	Empl.	Ship.	Value Added		
			Largest Establishments													
2140	Narrow Fabric Mills	47	51.30 ^c	70.20 ^c	79.91 ^c	86.68 ^c	91.22	-	34.55	12.25	12.76 ^c	7.70	9.79	8.93	92.42	91.23
2150	Pressed & Punched Felt Mills	12	81.26 ^c	95.60 ^c	100.00	-	-	-	9.19	3.96 ^c	4.70 ^c	17.52	24.06	20.45	83.84	79.65
2160	Carpet, Mat & Rug Industry	25	57.05 ^c	76.60 ^c	90.19	96.84 ^c	99.44 ^c	-	79.88	9.09 ^c	7.48 ^c	11.97	10.02	13.49	95.66	99.56
2180	Textile Dyeing & Finishing Plants	64	34.07	56.55 ^c	69.90 ^c	76.78 ^c	81.88	98.20	30.84	18.74 ^c	23.34	5.13	5.17	5.40	..	..
2190	Linoleum & Coated Fabrics Ind.	14	72.96	91.66 ^c	98.15 ^c	-	-	-	44.10	4.93 ^c	4.70 ^c	20.25	16.95	18.38	73.03	77.45
2210 ^a	Canvas Products Industry	144	31.82 ^c	48.09 ^c	57.37 ^c	63.91 ^c	68.12 ^c	86.56	24.17	35.89	37.82	3.61	4.21	4.09	56.07	91.84
2230 ^a	Cotton & Jute Bag Industry	31	36.65	58.53	74.80 ^c	86.54 ^c	93.23 ^c	-	31.19	13.55 ^c	15.84	5.74	6.06	6.59	76.25	96.31
2291	Auto Fabric Accessory Mfrs.	30	69.89 ^c	91.55 ^c	96.09	98.03	99.19 ^c	-	36.37	4.46 ^c	5.47 ^c	18.47	21.05	25.23	83.11	90.62
2292	Embroidery, Pleating, Hemstitching	133	22.61	34.72 ^c	43.90 ^c	51.14 ^c	57.32 ^c	82.75	13.06	44.42	43.45	2.59	2.43	2.35	..	..
2310	Hosiery Mills	134	17.06	30.14 ^c	x	43.71	49.94 ^c	78.47 ^c	81.05	52.51	54.13	1.79	1.81	2.25	89.41	96.60
2390	Other Knitting Mills	227	10.25 ^c	18.90	25.91	32.32	37.98	65.04	227.84	80.00	78.85	1.36	1.14	1.22	94.74	94.20
2431	Total Men's Clothing Factories	482	10.07 ^c	16.84 ^c	22.10	26.14	29.73	48.44	378.09	167.90	154.66	.87	.77	.91	93.37	95.71
-1	Men's Suits & Overcoats	125	22.56	36.85	47.84	55.84	61.67	85.46	131.09	39.73	30.17	3.17	2.54	..	..	..
-2	Men's Trousers	59	x	x	61.92	69.91	76.17	98.64	41.33	22.69	21.27	4.54	4.16	..	..	..
-3	Men's Windbreakers & Work Pants	120	22.16	31.34	39.14	45.56	50.97	78.17	70.01	52.16	50.53	2.14	2.21	..	..	..
-4	Men's Overalls & Work Shirts	38	50.36	65.48	76.15	83.16	88.58	-	41.08	x	15.95	12.57	13.06	..	..	..
-5	Men's Fine Shirts	55	35.60	50.94	63.58	72.73	79.68	99.80	62.75	x	18.78	5.15	5.51	..	..	..
-6	Men's Other Clothing	60	35.18	52.57	64.21	72.26	78.05	x	20.63	x	24.85	4.74	4.71	..	..	..

INDEXES OF ESTABLISHMENT CONCENTRATION IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-3

S.I.C. No.	INDUSTRY	Total No. of Estb.	Percent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$Mil.)	No. of Largest Establishments Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Establishments													
-7	Men's Neckwear	25	57.98	77.00	87.79	94.88	98.56	—	11.21	x	9.96	12.71	12.77	..	..
2432	Men's Clothing Contractors	140	16.69	27.35	35.27	41.54	46.98	74.34	21.02	58.96	56.26	1.97	1.76	1.71	..	
2441	Total Women's Clothing Factories	641	5.30	8.83	11.81	14.58	17.13	31.46	385.42	270.31	277.74	.34	.37	.34	..	
-1	Women's Coats & Suits	145	15.77	24.42	31.21	37.42	42.89	72.52	82.01	61.31	62.27	1.56	1.59	1.50	..	
-2	Women's Dresses	208	13.71	22.41	28.69	33.75	38.22	60.24	121.20	94.02	96.73	1.00	1.29	.99	..	
-3	Women's Skirts & Blouses, etc.	148	13.11	21.59	28.98	35.59	41.43	70.43	106.22	66.33	65.00	1.39	1.38	1.48	..	
-4	Women's Other Outerwear	64	29.28	46.97	60.19	70.44	77.66	98.53	19.92	x	24.89	3.61	4.21	4.18	..	
-5	Women's Lingerie	76	x	33.00	43.15	52.23	60.22	94.39	56.08	32.62	32.32	2.62	2.56	2.86	..	
2442	Women's Clothing Contractors	240	7.22	13.07	18.35	23.18	27.56	50.13	20.58	116.35	114.26	.77	.75	.74	..	
2450	Children's Clothing Industry	182	13.68	22.49	30.07	36.08	41.29	69.94	93.55	69.51	71.01	1.37	1.39	1.37	..	
2460	Fur Goods Industry	406	18.43	25.40	30.98	35.27	38.82	57.98	64.71	126.96	116.17	1.09	1.57	1.37	99.35	
2470	Total Hat & Cap Industry	117	23.42	35.41	44.86	52.42	59.15	85.53	26.73	41.11 ^c	39.78	2.71	2.76	2.83	94.90	
-1	Caps	41	39.98	58.52	71.77	80.06	86.61	—	5.59	x	14.00	7.35	6.38	6.43	..	
-2	Men's Hats	7	92.99	—	—	—	—	—	5.35	x	x	35.19	34.74	37.36	..	
-3	Women's & Children's Hats	61	23.71	41.32	55.37	66.52	74.09	98.96	14.92	23.83	24.00	3.34	3.41	3.60	..	
-4	Hat & Cap Makers' Materials	8	81.17	100.00	—	—	—	—	.87	x	3.71	34.50	24.01	20.25	..	
2480	Foundation Garment Industry	43	42.03	61.64	74.57	83.34 ^c	89.96	—	54.47	14.35	14.68 ^c	6.54	6.91	7.58	96.12	
2511	Shingle Mills	64	44.38	67.88	79.43	87.28	91.67 ^c	99.68	25.50	12.19 ^c	14.53 ^c	6.36	7.32	6.49	81.23	

INDEXES OF ESTABLISHMENT CONCENTRATION IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-3

S.I.C. No.	INDUSTRY	Total No. of Estb.	Percent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$Mil.)	No. of Largest Establishments Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Establishments													
2513 ^a	Sawmills & Planing Mills	2,559	10.18	16.16	20.77	24.56	27.35	41.41	896.24	330.40	501.00	.37	.63	.49	96.30	93.96
2520 ^{ab}	Veneer & Plywood Mills	83	29.26	44.55	55.16	64.14	71.06	94.80	222.44	26.19 ^c	30.50	3.20	3.76	3.84	..	..
2541	Sash, Door & Other Millwork Plants	987	9.13	14.62	19.08	22.64	25.90	44.20	189.06	203.25	231.17	.49	.62	.61	71.84	81.89
2542	Hardwood Flooring Industry	20	56.71 ^c	76.82	89.04	97.45 ^c	100.00	-	20.04	8.82 ^c	9.27 ^c	13.30	13.09	13.10	73.94	98.70
2560 ^a	Wooden Box Factories	160	35.79 ^c	55.31	64.50 ^c	70.35 ^c	75.23	90.66	35.12	25.99	28.75	5.20	8.70	10.80	75.01	86.79
2580 ^a	Coffin & Casket Industry	56	29.94	46.12 ^c	57.58	66.32	73.66	99.87	13.68	23.93	22.97	4.23	4.16	4.58	99.20	99.20
2591	Wood Preservation	31	46.45	x	84.61	91.95	96.53	-	33.54	x	15.18	8.21	8.23	7.71	..	..
2610	Household Furniture Industry	1,702	7.53	11.51	14.90	18.03	20.95	37.31	281.95	262.03	265.36	.45	.48	.48	82.90	90.11
2640	Office Furniture Industry	45	37.78	60.93	78.05 ^c	87.63 ^c	92.13 ^c	-	56.77	12.83	13.71	6.11	6.07	6.25	82.34	88.14
2660	Misc. Furniture Industry	447	12.78 ^c	20.76	26.34	31.21	35.35	57.79 ^c	169.37	110.25	119.21	1.08	1.07	1.17	78.16	87.51
2680	Electric Lamp & Shade Industry	68	29.04 ^c	49.92 ^c	62.12	71.74	79.87	98.03	17.12	20.40 ^c	21.87 ^c	3.88	4.25	4.25	92.91	88.06
2710 ^b	Total Pulp & Paper Mills	132	12.00	20.77	28.66	35.14	41.43	75.13	2,104.43	53.73	61.13	1.32	1.44	1.51	..	..
-1 ^b	Other Pulp & Paper Mills	90	22.79	35.61	45.68	54.21	62.13	91.42	1,041.57	31.58	39.89	2.13	2.71	2.94	..	..
-2 ^b	Newsprint	42	18.79	34.04	46.89	58.23	67.99	-	1,062.86	25.09	24.95	3.08	3.05	3.07	..	..
2720	Asphalt Roofing Manufacturers	21	55.20 ^c	73.63	86.61	96.73 ^c	99.81 ^c	-	57.76	9.12 ^c	8.91 ^c	11.33	10.31	12.92	70.54	80.75
2731	Mfrs. of Folding Cartons & Set-up Boxes	121	22.89 ^c	38.26 ^c	48.85	57.04	63.60	88.19	143.88	35.87 ^c	43.37	2.09	2.87	2.61	89.42	90.45
2732	Mfrs. of Corrugated Boxes	49	24.45	42.79	56.93	68.79 ^c	77.64	-	193.05	21.85 ^c	21.54	3.67	3.67	3.87	90.74	95.83
2733 ^a	Paper & Plastic Bag Mfrs.	74	27.67	43.03	54.66	64.37	71.48	95.59	120.92	26.24	28.46 ^c	3.65	3.57	4.12	74.83	80.55

INDEXES OF ESTABLISHMENT CONCENTRATION IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-3

S.I.C. No.	INDUSTRY	Total No. of Estb.	Percent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (SMil.)	No. of Largest Establishments Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Establishments													
2740	Misc. Paper Converters	204	19.52	30.81	39.41	46.47	52.99	77.62	261.96	54.97	60.73	1.93	2.02	1.99	45.24	42.56
2850 ^a	Commercial Printing, Publishing Only, Publishing & Printing	3,127	10.82	17.84	22.70	26.57	29.95	44.68	1,019.71	409.81	493.72	.52	.69	.78	97.59	96.86
2870 ^a	Platemaking, Typesetting & Trade Bindery Plants	338	14.94	24.27	31.75 ^c	37.59	42.45	64.33	65.52	96.36	99.17	1.18	1.36	1.43	..	..
2910 ^b	Iron & Steel Mills	41	73.02	82.83	x	x	94.50	-	1,231.77	4.80 ^c	6.10	15.55	17.53	19.27	..	..
2920	Steel Pipe & Tube Mills	21	56.75	78.05	90.51	97.17 ^c	99.82 ^c	-	198.63	9.22 ^c	7.88	14.46	10.92	11.84	86.71	95.14
2940 ^a	Iron Foundries	137	33.22	48.91 ^c	59.30	66.68	72.44	91.09	167.48	28.29	39.02	3.50	4.15	3.74	77.10	85.62
2960	Aluminum Rolling, Casting & Extruding	50	68.74	84.55 ^c	93.19 ^c	96.17 ^c	97.59	100.00	154.71	6.66	7.59 ^c	19.98	17.13	23.35	90.59	91.13
2970	Copper & Alloy Rolling, Casting & Extruding	56	75.18	93.91 ^c	95.99 ^c	97.06 ^c	97.92	99.97 ^c	201.39	x	8.00 ^c	16.96	16.45	15.87	57.19	83.97
2980	Metal Rolling, Casting & Extruding, N.E.S.	73	35.25	53.16	67.33	75.90	82.52	98.07 ^c	129.41	18.45 ^c	24.29 ^c	3.94	5.53	6.22	..	..
3010	Boiler & Plate Works	66	49.14	63.25	72.65	80.12	84.42 ^c	98.53	107.56	x	18.48	8.36	8.14	11.03	69.03	82.81
3020 ^a	Fabricated Structural Metal Ind.	97	22.75	36.64	48.51	58.53	65.85	92.06	372.29	30.86	31.85	3.88	3.15	3.77	72.08	88.33
3030	Ornamental & Architectural Metal Industry	634	17.13	25.45	30.87	35.67	39.84	59.64	211.92	131.94	153.79	1.12	1.32	1.16	66.77	83.66
3040	Total Metal Stamping, Pressing & Coating Industry	653	20.28	31.15	37.11	41.62	45.52	63.82	609.05	115.71	187.00	.77	1.71	1.27	..	..
-1	Mfrs. of Metal Food Cans	11	76.13	95.30	-	-	-	-	120.48	x	4.69	17.20	16.66	18.35	..	..
-2	Other Metal Stamping, Pressing and Coating	642	20.06	27.48	32.95	37.54	41.65	59.50	488.57	135.15	193.21	.73	1.64	.97	..	..
3050	Wire & Wire Products Mfrs.	223	28.89 ^c	x	51.46	60.05	66.83	86.62	356.95	35.19	50.91	2.27	3.18	2.35	75.78	95.12
3060	Hardware, Tool & Cutlery Mfrs.	423	15.25 ^c	24.74 ^c	32.93	38.82	43.50	65.58 ^c	202.18	90.09 ^c	106.93	1.03	1.46	1.49	76.30	85.93
3070	Heating Equipment Mfrs.	106	29.83	44.69	53.82	60.88	67.19	92.34	103.41	30.98 ^c	31.41	3.85	3.65	4.71	55.63	62.74

INDEXES OF ESTABLISHMENT CONCENTRATION IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-3

S.I.C. No.	INDUSTRY	Total No. of Estb.	Percent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$Mil.)	No. of Largest Establishments Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Establishments													
3080 ^a	Machine Shops	957	7.49 ^c	12.19 ^c	15.74	18.74 ^c	21.50	36.59	143.70	305.99	324.74	.35	.45	.42	..	..
3110	Agricultural Implement Industry	96	54.11 ^c	x	87.40 ^c	90.94 ^c	93.28 ^c	98.44	285.10	7.59	10.06 ^c	11.69	11.07	9.99	72.49	93.82
3150	Misc. Machinery & Equipment Mfrs.	528	x	22.38	27.91	32.58	36.87	58.54	797.15	116.29	124.74	1.30	1.13	1.36	85.55	72.27
3160	Commercial Refrigeration & Air Conditioning Equip. Mfrs.	37	47.51	66.14 ^c	77.40 ^c	86.81 ^c	93.18	-	48.04	13.02 ^c	13.28 ^c	7.36	7.50	7.22	68.16	61.89
3180	Office & Store Machinery Mfrs.	23	77.96	92.06	97.90 ^c	99.09	99.85 ^c	-	105.10	4.57 ^c	3.33	27.76	26.20	25.00	84.81	81.55
3210 ^b	Aircraft & Parts Manufacturers	85	67.63	78.63	84.61	88.88	92.63	99.42	394.37	9.45 ^c	10.05 ^c	12.48	13.00	14.81	..	..
3230 ^b	Motor Vehicle Manufacturers	20	x	x	x	x	100.00	-	2,120.30	2.51	2.83	27.84	31.23	32.17	..	..
3240 ^a	Truck Body & Trailer Mfrs.	160	29.42 ^c	42.57	53.54	62.27	68.42 ^c	86.42	103.01	35.20	46.06	2.83	3.55	3.39	90.13	85.45
3250 ^b	Motor Vehicle Parts & Accessories Manufacturers	160	43.02	57.13	65.37	71.65	75.58	90.86	755.61	27.27	32.97 ^c	7.58	9.57	9.87	..	..
3260	Railroad Rolling Stock Industry	13	76.22 ^c	94.83 ^c	99.80 ^c	-	-	-	162.95	x	4.44 ^c	17.19	18.17	17.25	77.40	..
3270	Shipbuilding and Repair	71	53.49	73.89	84.52 ^c	87.87 ^c	90.14	98.82	274.60	9.88 ^c	10.85 ^c	7.91	9.66	8.61	100.00	100.00
3280	Boatbuilding and Repair	242	21.14	34.98	43.32	50.27	55.85	76.61	24.63	59.11	62.85	1.74	2.27	2.06	92.97	85.66
3290	Misc. Vehicle Manufacturers	19	85.05	96.05 ^c	99.25 ^c	99.85 ^c	-	-	29.50	x	4.41 ^c	23.53	38.83	37.78	72.33	61.03
3310	Mfrs. of Small Electrical Appliances	61	43.94 ^c	61.94	73.24 ^c	80.07 ^c	84.82	99.73	104.15	x	17.04	6.19	6.78	8.80	53.81	64.05
3320	Mfrs. of Major Appliances electrical & non-electrical	35	40.02	64.44	77.79	86.22	92.57	-	284.16	13.66 ^c	14.65	5.43	6.40	6.71	74.71	84.64
3340	Mfrs. of Household Radio & T.V. Receivers	25	53.43	83.40 ^c	95.96 ^c	98.91 ^c	99.78 ^c	-	155.13	7.05	6.77 ^c	14.45	10.46	11.09	81.29	79.88
3350	Communications Equipment Mfrs.	148	38.03	54.94	65.27	71.83 ^c	76.19 ^c	91.96	430.54	23.95	27.65	5.17	5.06	5.88	76.37	92.96
3360	Mfrs. of Electrical Industrial Equipment	124	46.68	59.15	66.48	73.11	77.35	93.04	375.45	23.19	25.05 ^c	7.38	8.04	9.41	83.96	82.41

INDEXES OF ESTABLISHMENT CONCENTRATION IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-3

S.I.C. No.	INDUSTRY	Total No. of Estb.	Percent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$Mil.)	No. of Largest Establishments Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Establishments													
3370	Battery Manufacturers	23	43.56 ^c	70.66 ^c	85.50	95.51 ^c	99.43 ^c	—	54.13	9.90 ^c	11.98	7.70	7.70	8.00	100.00	99.77
3380	Mfrs. of Electrical Wire and Cable	25	57.62	77.22	87.61 ^c	94.29	98.32 ^c	—	274.72	9.61 ^c	8.97	12.87	12.15	16.40	76.77	100.00
3390	Mfrs. of Misc. Electrical Products	154	22.67	34.89	43.71 ^c	52.17	59.24	85.89 ^c	224.27	38.66	42.59	2.41	2.57	3.37	85.43	76.61
3410	Cement Manufacturers	22	37.45	61.32 ^c	78.22 ^c	91.14	98.17 ^c	—	144.84	12.46 ^c	16.56 ^c	5.97	6.69	6.88	97.47	100.00
3475 ^a	Concrete Products Mfrs. Ready-Mix Concrete Mfrs.	825	11.00	17.58	x	27.31	31.20	49.78	401.99	x	231.98	.75	.79	.83	93.58	95.94
3511	Clay Products Mfrs. — domestic clays	83	31.81	51.34	60.99 ^c	67.63	73.31	95.74	42.75	25.80 ^c	32.60	3.48	4.24	4.39	..	..
3512	Clay Products Mfrs. — imported clays	39	52.05 ^c	77.90 ^c	87.09 ^c	93.49 ^c	96.70 ^c	—	31.39	8.81 ^c	12.34 ^c	6.73	11.34	13.08	..	..
3530 ^a	Stone Products Manufacturers	114	21.92	33.38	42.33	50.10	56.94 ^c	83.03	13.59	44.68	36.62	3.66	2.73	3.01	83.06	68.92
3550	Asbestos Products Manufacturers	17	77.92 ^c	95.76	98.99	99.88 ^c	—	—	46.24	4.43 ^c	5.61 ^c	15.42	19.84	20.63	79.45	87.02
3561	Glass Manufacturers	12	x	x	100.00	—	—	—	84.44	x	x	13.38	11.94	11.61	97.56	87.29
3562	Glass Products Manufacturers	121	57.29	68.44	75.05	x	83.41	95.45	83.90	x	28.96	7.33	10.96	13.00	79.98	80.46
3570	Abrasives Manufacturers	22	58.88 ^c	85.62	95.87	99.12	99.83 ^c	—	59.90	7.54 ^c	7.05	12.06	12.17	11.93	93.32	94.16
3650 ^a	Petroleum Refineries	57	29.36	46.01	60.62	71.99	80.33	99.87	1,414.92	x	22.96	4.47	4.35	4.00	..	..
3690	Other Petroleum & Coal Products Industry	33	40.88	58.29 ^c	71.16	82.07 ^c	90.25	—	15.66	15.00	14.74	6.44	7.00	7.26	89.43	39.55
3710	Explosives & Ammunition Mfrs.	15	61.84 ^c	86.91 ^c	98.64	—	—	—	74.03	x	6.26	15.51	15.95	16.68	..	..
3720 ^a	Mfrs. of Mixed Fertilizers	68	32.65 ^c	47.96	59.26	67.33	73.93	97.26	88.71	24.71 ^c	25.59	3.89	4.97	5.10	..	..
3730	Mfrs. of Plastics & Synthetic Resins	34	49.96	73.37 ^c	85.36	91.44	95.40	—	155.48	10.14 ^c	9.51 ^c	9.58	9.00	11.66	75.81	82.23
3740	Total Mfrs. of Pharmaceuticals and Medicines	162	21.24	35.00	46.19	56.14 ^c	64.48	91.11	237.77	30.60	39.95	2.60	2.69	2.87	90.47	93.26

INDEXES OF ESTABLISHMENT CONCENTRATION IN 189 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-3

S.I.C. No.	INDUSTRY	Total No. of Estb.	Percent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Shipments (\$Mil.)	No. of Largest Establishments Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Shipments	80% Employment	Empl.	Ship.	Value Added		
			Largest Establishments													
-1	Mfrs. of Ethical Drugs	32	30.81	50.85	67.73	80.15	89.33	-	149.80	x	17.41	5.00	4.91	4.97	..	..
-2	Other Pharmaceuticals and Medicines	130	x	x	65.63	71.82	76.91	93.41	87.98	x	31.84	5.16	5.43	6.35	..	..
3750*	Paint & Varnish Manufacturers	150	26.17	37.32	47.13	54.94	62.24	87.66	193.56	35.76	40.21 ^c	2.44	2.96	3.37	89.49	95.95
3760	Mfrs. of Soap & Cleaning Compounds	134	67.24 ^c	81.58 ^c	86.10	89.42 ^c	91.58 ^c	98.04	198.08	7.04	42.13 ^c	11.40	18.98	19.21	76.32	82.11
3770	Mfrs. of Toilet Preparations	67	36.47	56.70	70.99 ^c	79.23	85.17	99.68 ^c	103.75	16.31 ^c	18.35	5.72	6.79	7.98	81.35	74.21
3780	Mfrs. of Industrial Chemicals	134	33.58	48.27	58.04	65.67	70.54	90.55	685.44	29.88 ^c	33.02 ^c	5.43	4.32	4.24	76.57	71.89
3791	Manufacturers of Printing Inks	37	42.84	64.30	76.93	85.51	91.35	-	22.92	x	12.38	8.05	6.94	6.69	96.77	82.61
3811	Instrument & Related Products Manufacturers	113	51.14	65.40 ^c	73.42	79.35	83.34	96.90	171.68	16.69 ^c	22.91 ^c	7.96	9.94	11.19	81.81	..
3812	Clock and Watch Manufacturers	20	68.79 ^c	88.14	94.41	98.05 ^c	100.00	-	24.14	5.35 ^c	4.49 ^c	25.26	16.66	20.70	98.05	97.32
3814	Ophthalmic Goods Mfrs.	82	28.52 ^c	44.31	55.00 ^c	62.85 ^c	68.58	93.90	24.65	30.46	38.75 ^c	4.25	3.59	3.83	86.07	95.56
3815	Dental Laboratories	560	13.19 ^c	20.78 ^c	26.13	29.86 ^c	32.93 ^c	45.55 ^c	18.94	227.18	114.00	1.76	1.26	1.35	100.00	100.00
3830*	Broom, Brush & Mop Industry	88	37.82 ^c	56.70 ^c	73.31 ^c	79.75 ^c	85.29	97.75	33.36	16.22 ^c	17.22	10.06	7.46	9.04	..	..
3850	Plastic Fabricators, N.E.S.	376	16.47	26.67	32.65	37.80	41.83	63.87	195.07	92.31	112.56	.98	1.45	1.48	70.82	72.44
3931	Sporting Goods Industry	131	38.61 ^c	54.65 ^c	68.31 ^c	74.18 ^c	78.79 ^c	93.43	51.10	21.06 ^c	27.23	5.04	6.89	8.22	88.44	93.90
3932	Toys & Games Industry	81	27.14	43.66	57.96	68.60 ^c	76.27	97.33 ^c	43.93	22.45	20.86 ^c	6.26	3.94	4.50	96.85	77.48
3950	Fur Dressing & Dyeing Industry	17	65.65	90.07	98.24	x	-	-	7.92	x	6.32	12.67	13.56	14.45	..	..
3970*	Signs & Displays Industry	399	14.10	23.57	31.70	37.54	42.75	64.06	52.94	98.09	98.08	1.38	1.30	1.35	89.50	84.21
3981	Button, Buckle & Fastener Ind.	29	62.74 ^c	77.78 ^c	88.35	94.97	97.66 ^c	-	18.99	8.67 ^c	9.13	14.49	15.28	18.16	94.66	91.96

INDEXES OF ESTABLISHMENT CONCENTRATION IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-3

S.I.C. No.	INDUSTRY	Total No. of Estb.	Percent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$Mil.)	No. of Largest Establishments Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment	Empl.	Ship.	Value Added		
			Largest Establishments													
3986	Musical Instrument & Sound Recording Industry	27	64.69	87.32	95.84	98.04	99.30	—	26.75	6.68 ^c	7.10	10.96	14.17	16.68	79.64	84.91
3988	Typewriter Supplies Mfrs.	11	73.78 ^c	96.43	—	—	—	—	10.22	4.39 ^c	4.81 ^c	18.90	20.11	20.22	75.10	93.35
3989	Fountain Pen & Pencil Mfrs.	19	54.68 ^c	82.09 ^c	94.05	99.37 ^c	—	—	18.07	7.60 ^c	8.82 ^c	8.66	10.90	11.55	85.09	98.33 ^f
9990	Leather Glove Factories Fabric Glove Manufacturers	72	21.03	36.98	51.16	63.37	71.88	97.08	21.82	24.85	25.75	3.30	3.14	3.28	83.51	87.50

EXPLANATION OF FOOTNOTES

- a Industries for which regional statistics are given
- b Establishments ranked or measured by Value Added
- c Estimated
- . . Not Available
- Not Applicable
- x Withheld to avoid disclosing figures for individual establishment

SHARE OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-4

S.I.C. No.	INDUSTRY	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
1010 ^a	Slaughtering & Meat Processors	399	x	x	x	x	41.00	40.53	47.97	48.21	53.07	53.80	75.13	76.04	267,259	29,986		
1030 ^a	Poultry Processors	150	16.71	14.69	24.05	24.28	x	33.27 ^c	41.15	40.60	45.70	45.16	80.03	76.19	31,891	5,987		
1060 ^a	Dairy Factories & Process Cheese Mfrs.	1,421	12.91	6.15	16.67	9.02	20.15	11.56	23.03	14.07	25.74	16.78	41.42	31.22	277,437	33,475		
1110 ^a	Fish Products Industry	376	x	x	25.50 ^c	18.12 ^c	31.64	23.78	37.67	28.80	43.03	32.49	65.34	55.45	90,532	17,163		
1120 ^a	Fruit & Vegetable Canners & Preservers	313	26.76	20.09	35.17	30.00	41.89	34.29	48.65	38.67	53.29	43.65	75.10	65.40	176,100	19,645		
1230 ^b	Feed Manufacturers	855	13.42	5.28	22.33	11.55	28.54 ^c	15.27 ^c	33.45 ^c	18.02 ^c	37.64	21.46	52.68	34.31	79,072	8,548		
1240 ^a	Flour Mills	51	x	x	68.34	44.04	80.10	55.92	87.21	67.64	91.41	72.87	x	x	48,539	4,284		
1250	Breakfast Cereal Manufacturers	17	91.59 ^c	88.19 ^c	98.78 ^c	96.55 ^c	99.74	99.34	x	x	-	-	-	-	28,165	1,364		
1280	Biscuit Manufacturers	44	45.87	35.43	69.07	56.14	79.00	67.46	86.49	76.89	x	83.73 ^c	-	-	54,577	6,565		
1290 ^a	Bakeries	2,465	11.12	7.98	17.65	13.51	22.80 ^c	18.42 ^c	27.55	22.30	30.88	25.21	47.63	40.87	225,904	33,082		
1310 ^a	Confectionery Manufacturers	180	x	x	x	x	68.57 ^c	58.41 ^c	75.30	64.91	79.78	71.60	x	x	91,629	10,796		
1330	Sugar Refineries	13	x	x	x	x	x	x	-	-	-	-	-	-	51,995	3,192		
1350	Vegetable Oil Mills	12	x	x	94.59	89.54	100.00	100.00	-	-	-	-	-	-	10,585	622		
1391	Macaroni Manufacturers	19	79.36	75.53	91.01	86.98	97.73 ^c	94.83 ^c	x	99.21 ^c	-	-	-	-	9,794	891		
1392 ^a	Miscellaneous Food Mfrs.	272	29.37	14.14	39.28	21.78	46.73	27.33	52.07	30.40	57.04	34.21	79.49	58.87	219,233	13,253		
1410 ^a	Soft Drink Manufacturers	470	x	x	27.37 ^c	x	33.00	24.55	38.28	29.76	42.22	32.55	58.80	48.72	143,152	13,629		
1430	Distilleries	22	67.10	46.52	87.25 ^c	67.74 ^c	94.63	76.28	98.32	x	x	x	-	-	157,552	4,954		

SHARE OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 199 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-4

S.I.C. No.	INDUSTRY	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
1450 ^a	Breweries	52	36.50	29.43	55.69 ^c	44.85 ^c	69.33 ^c	56.88 ^c	78.32 ^c	66.02 ^c	83.57	72.74	x	x	213,551	9,471		
1470	Wineries	19	55.53	46.98	82.15 ^c	71.75 ^c	94.99 ^c	84.33 ^c	99.25 ^c	x	-	-	-	-	12,478	747		
1510	Leaf Tobacco Processing	18	x	x	x	x	x	x	x	x	-	-	-	-	15,795	1,638		
1530	Tobacco Products Mfrs.	20	57.11	43.25	85.50 ^c	73.08 ^c	97.43	82.01	99.92	85.75	100.00	100.00	-	-	142,581	8,615		
1610	Rubber Footwear Mfrs.	7	78.83	x	-	-	-	-	-	-	-	-	-	-	27,061	4,876		
1630	Rubber Tire & Tube Mfrs.	11	x	x	x	x	-	-	-	-	-	-	-	-	118,489	8,890		
1690	Other Rubber Industries	78	39.96	31.72	59.65	52.95	69.86	63.44	80.58	73.42	85.83	78.65	98.23	94.86	101,879	10,285		
1720	Leather Tanneries	41	39.54	42.74	63.75 ^c	63.22 ^c	77.64	76.11	85.27	83.85	x	88.91 ^c	-	-	22,635	3,437		
1740	Shoe Factories	219	9.42	9.23	16.35	16.19	22.82	21.71	28.29	26.60	33.46	31.79	63.12	59.56	101,962	20,434		
1792	Boot & Shoe Findings Mfrs.	39	36.34 ^c	32.73 ^c	57.26 ^c	53.42 ^c	x	69.37 ^c	82.22	81.11	90.75	89.31	-	-	7,245	1,329		
1799	Misc. Leather Products Mfrs.	191	20.98	18.13	33.99	29.69	42.64	38.72	49.27	45.83	55.72	51.59	78.48	75.42	28,753	5,640		
1830 ^b	Cotton Yarn & Cloth Mills	35	45.77 ^c	x	62.49 ^c	x	74.97 ^c	x	83.00 ^c	x	88.96 ^c	84.92	-	-	122,635	18,114		
1950 ^b	Wool Yarn Mills Wool Cloth Mills	78	27.49	20.60	44.12	37.28	57.53	51.20	67.43	59.90	74.60	67.66	97.19	94.16	58,692	9,148		
2010	Total Synthetic Textile Mills	64	55.48	42.02	66.37	57.73	75.37	66.57	x	71.96 ^c	84.32	77.06	x	x	172,304	20,193		
-1	Mfrs. of Filament, Staple Fibre and Tow	7	x	x	-	-	-	-	-	-	-	-	-	-	73,368	6,249		
-2	Synthetic Textile Spinners, Throwers and Weavers	57	47.21	35.52	60.96	49.60	69.96	56.61	77.17	63.86	83.10	68.58	99.68	88.63	98,936	13,944		
2110	Fibre Preparing Mills	31	x	x	71.49	69.89	84.55	83.76	92.26 ^c	90.10 ^c	95.77	93.33	-	-	7,056	930		

SHARE OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-4

S.I.C. No.	INDUSTRY	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
2120	Thread Mills	13	81.74	76.33	x	x	x	x	-	-	-	-	-	-	8,213	976		
2130	Cordage & Twine Industry	18	x	x	x	x	x	x	x	x	-	-	-	-	8,195	1,106		
2140	Narrow Fabric Mills	47	x	x	68.61 ^c	66.25 ^c	78.74 ^c	77.62 ^c	86.04 ^c	84.65 ^c	91.04	89.41	-	-	17,207	2,646		
2150	Pressed & Punched Felt Mills	12	x	x	x	x	100.00	100.00	-	-	-	-	-	-	3,435	415		
2160	Carpet, Mat & Rug Industry	25	63.21 ^c	61.58 ^c	80.54 ^c	79.97 ^c	93.11	89.08	96.76 ^c	93.22 ^c	x	x	-	-	33,464	3,335		
2180	Textile Dyeing & Finishing Plants	64	36.79	28.93	56.91 ^c	48.71 ^c	67.92 ^c	59.92 ^c	73.86 ^c	66.51 ^c	78.76	72.82	98.12	96.78	19,409	2,488		
2190	Linoleum & Coated Fabrics Ind.	14	76.10	73.86	92.98 ^c	93.96 ^c	x	x	-	-	-	-	-	-	18,896	2,089		
2210 ^a	Canvas Products Industry	144	x	x	41.80 ^c	43.08 ^c	50.04 ^c	52.34 ^c	56.89 ^c	59.13 ^c	62.99 ^c	63.81 ^c	83.62	84.29	10,950	1,987		
2230 ^a	Cotton & Jute Bag Industry	31	37.67	35.70	59.47	55.78	75.55 ^c	69.56 ^c	85.45 ^c	79.83 ^c	89.52 ^c	88.15 ^c	-	-	7,568	1,081		
2291	Auto Fabric Accessory Mfrs.	30	x	x	90.63 ^c	86.36 ^c	95.20	93.87	97.25	96.64	x	x	-	-	14,803	1,877		
2292	Embroidery, Pleating, Hemstitching	133	21.98	23.34	x	x	x	x	x	x	x	x	80.65	82.26	9,137	1,846		
2310	Hosiery Mills	134	19.89	15.65	31.37 ^c	26.23 ^c	40.68 ^c	35.23 ^c	48.13	42.83	54.03 ^c	49.17 ^c	80.33 ^c	75.99 ^c	41,670	7,223		
2390	Other Knitting Mills	227	x	x	17.39	17.45	25.28	25.55	32.83	32.06	38.14	34.70	65.44	62.57	93,201	16,527		
2431	Total Men's Clothing Factories	482	x	x	x	x	24.23	22.89	28.96	27.04	33.09	30.44	50.90	49.41	169,899	34,774		
-1	Men's Suits & Overcoats	125	24.53	26.02	38.17	40.14	50.24	51.85	58.11	58.88	63.85	64.96	87.43	87.94	62,128	11,952		
-2	Men's Trousers	59	x	x	x	x	62.84	58.94	69.21	64.32	75.36	71.15	98.36	97.74	16,932	3,498		
-3	Men's Windbreakers & Work Pants	120	22.98	19.66	33.32	27.90	41.46	34.43	48.25	42.82	53.05	48.10	76.83	75.55	28,916	5,634		

SHARE OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 199 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-4

S.I.C. No.	INDUSTRY	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments														Value Added \$'000	Empl. No.
			% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added		
-4	Men's Overalls & Work Shirts	38	54.50	48.16	66.78	61.71	76.60	71.24	83.15	78.67	88.72	84.02	-	-	18,116	3,957		
-5	Men's Fine Shirts	55	38.52	34.02	51.45	50.25	62.55	62.70	72.32	71.00	79.69	79.01	99.73	99.87	28,452	6,543		
-6	Men's Other Clothing	60	35.10	27.76	54.09	47.00	62.98	53.50	72.73	61.35	77.92	68.18	x	x	9,883	2,370		
-7	Men's Neckwear	25	62.63	55.36	79.41	73.17	88.81	84.75	94.31	92.92	98.44	98.17	-	-	5,471	820		
2432	Men's Clothing Contractors	140	16.01	18.96	27.21	29.58	35.60	37.68	41.81	44.21	47.58	49.91	74.49	75.51	18,586	5,652		
2441	Total Women's Clothing Factories	641	4.24	4.03	7.89	6.97	10.64	9.68	13.43	12.71	15.55	14.75	28.93	27.58	168,618	30,223		
-1	Women's Coats & Suits	145	13.51	15.36	19.75	22.77	27.35	28.63	34.89	35.14	41.36	40.55	70.59	69.95	34,286	5,511		
-2	Women's Dresses	208	9.83	8.84	17.76	16.11	22.69	20.61	28.53	26.77	33.07	31.11	55.34	54.36	57,026	9,814		
-3	Women's Skirts & Blouses etc.	148	13.98	12.45	20.67	18.64	26.93	24.10	34.62	32.05	41.18	39.34	70.50	66.72	44,774	8,102		
-4	Women's Other Outerwear	64	28.13	22.95	46.59	40.54	61.86	54.19	70.74	63.70	77.87	69.97	98.25	96.43	9,873	1,882		
-5	Women's Lingerie	76	x	x	34.19	31.35	43.61	41.59	53.07	50.91	58.85	56.22	93.74	91.85	22,659	4,914		
2442	Women's Clothing Contractors	240	5.87	4.50	12.00	10.59	17.31	15.89	22.18	20.62	26.71	25.24	50.18	47.96	18,863	5,971		
2450	Children's Clothing Industry	182	13.24	11.09	23.15	21.60	29.78	27.84	34.53	32.24	40.04	37.73	67.41	66.66	38,752	8,763		
2460	Fur Goods Industry	406	17.29	12.67	23.15	19.32	28.09	24.92	31.34	28.74	35.17	33.59	55.22	55.04	24,119	2,825		
2470	Total Hat & Cap Industry	117	24.26	22.27	37.29	34.05	46.56	43.67	54.61	51.26	60.94	57.43	85.73	85.85	15,327	3,160		
-1	Caps	41	39.64	41.80	58.44	61.41	72.02	75.35	79.77	82.32	86.61	89.54	-	-	3,249	775		
-2	Men's Hats	7	94.18	94.74	-	-	-	-	-	-	-	-	-	-	2,921	609		

SHARE OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-4

S.I.C. No.	INDUSTRY	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
-3	Women's & Children's Hats	61	25.38	20.99	42.79	37.89	56.89	52.17	67.92	64.24	75.18	73.28	99.09	99.40	8,740	1,681		
-4	Hat & Cap Makers' Materials	8	77.51	77.89	100.00	100.00	-	-	-	-	-	-	-	-	418	95		
2480	Foundation Garment Industry	43	45.59	38.58	63.66	55.45	77.71	71.34	86.77 ^c	83.37 ^c	91.29	87.92	-	-	32,254	5,168		
2511	Shingle Mills	64	39.32	39.42	63.78	62.99	75.33	72.56	83.54 ^c	83.10 ^c	88.90 ^c	88.14 ^c	99.47	99.67	10,224	1,527		
2513 ^a	Sawmills & Planing Mills	2,559	8.64	6.90	13.49	11.17	17.08	14.02	21.15	17.41	23.45	19.05	35.54	30.63	384,484	50,848		
2520 ^{a,b}	Veneer & Plywood Mills	83	30.78	25.49	46.10	38.20	57.07	47.83	65.56	56.47	72.29	64.85	95.35	92.71	101,155	14,265		
2541	Sash, Door & Other Millwork Plants	987	8.32	6.85	12.90	12.06	17.53	15.55	21.49	18.44	24.86	20.74	43.51	36.27	83,990	12,553		
2542	Hardwood Flooring Industry	20	x	x	76.04	71.44	88.44	89.67	97.26 ^c	95.98 ^c	100.00	100.00	-	-	8,932	1,569		
2560	Wooden Box Factories	160	x	x	57.44	45.70	63.47 ^c	57.43 ^c	72.67 ^c	64.79 ^c	76.32	69.28	90.66	89.06	19,195	3,028		
2580 ^a	Coffin & Casket Industry	56	32.51	29.90	48.08 ^c	44.01 ^c	58.72	55.77	67.04	62.93	75.06	72.73	99.86	100.00	7,572	1,438		
2591	Wood Preservation	31	43.47	41.20	68.20 ^c	58.51 ^c	82.36	70.46	90.30	79.18	96.38	86.81	-	-	14,679	1,456		
2610	Household Furniture Industry	1,702	7.73	7.59	11.58	10.78	14.51	13.55	18.09	17.57	21.37	20.93	36.64	36.09	143,816	22,589		
2640	Office Furniture Industry	45	38.94	36.31	61.07	59.72	77.13 ^c	x	87.29 ^c	x	x	x	-	-	33,413	4,241		
2660	Misc. Furniture Industry	447	13.55 ^c	12.19 ^c	21.32	20.86	27.42	26.45	32.37	31.02	36.48	34.71	x	x	81,866	12,147		
2680	Electric Lamp & Shade Ind.	68	x	x	47.78 ^c	45.91 ^c	59.28	59.24	69.82	66.40	78.35	76.34	97.63	97.68	8,233	1,298		
2710 ^b	Total Pulp & Paper Mills	132	12.45	8.38	21.68	16.26	29.91	24.89	37.11	30.66	43.52	35.30	77.10	70.51	1,033,532	69,897		
-1 ^b	Other Pulp & Paper Mills	90	24.29	13.63	38.86	26.11	49.00	34.40	57.19	44.22	64.20	52.56	92.50	85.93	488,608	33,795		

SHARE OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 150 CANADIAN MANUFACTURING INDUSTRIES, 1985

TABLE A-4

S.I.C. No.	INDUSTRY	Total No. of Estab- lish- ments	Largest Establishments												Total	
			4		8		12		16		20		50			
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	Value Added \$'000	Empl. No.
-2 ^b	Newsprint Mills	42	19.33	18.72	34.39	34.66	47.54	43.99	58.76	57.22	68.73	67.61	-	-	544,924	36,102
2720	Asphalt Roofing Manufacturers	21	61.34 ^c	56.02 ^c	77.10	73.94	88.90	85.32	97.65 ^c	92.58 ^c	x	98.04 ^c	-	-	26,100	1,942
2731	Mfrs. of Folding Cartons & Set-up Boxes	121	x	x	36.29 ^c	27.18 ^c	45.13	36.45	53.83	45.88	60.01	52.08	85.91	82.30	61,488	8,229
2732	Mfrs. of Corrugated Boxes	49	25.25	24.43	44.00	41.84	57.79	55.00	64.49 ^c	67.61 ^c	77.88	77.25	-	-	69,098	7,769
2733	Paper & Plastic Bag Mfrs.	74	31.65	27.85	46.43	42.53	56.40	52.50	62.78	61.30	71.16	67.92	95.36	93.13	41,883	4,954
2740	Misc. Paper Converters	204	18.95	16.15	28.45	24.41	35.90	32.77	44.39	41.08	50.65	47.17	77.39	73.56	115,325	12,215
2850 ^a	Commercial Printing, Publishing Only, Publishing & Printing	3,127	12.04	9.11	19.77	15.37	24.34	18.72	28.13	21.91	31.75	24.90	46.50	37.90	682,945	72,815
2870 ^a	Platemaking, Typesetting & Trade Bindery Plants	338	15.32	12.41	25.47	22.12	33.82 ^c	27.49 ^c	39.11	33.80	43.95	38.12	65.00	60.31	51,785	5,922
2910 ^b	Iron & Steel Mills	41	77.48	68.93	86.67	83.60	90.96 ^c	88.57 ^c	93.89 ^c	x	96.33	93.56	-	-	646,100	44,274
2920	Steel Pipe & Tube Mills	21	62.81	68.97	78.39	79.37	87.99	89.39	96.05 ^c	95.54 ^c	99.97 ^c	99.27 ^c	-	-	58,232	4,799
2940 ^a	Iron Foundries	137	29.32	25.82	46.18 ^c	42.29 ^c	56.10	52.26	62.44	58.66	68.79	64.21	89.80	85.42	93,622	11,714
2960	Aluminum Rolling, Casting & Extruding	50	67.09	65.85	81.56 ^c	79.99 ^c	89.16 ^c	86.54 ^c	92.75 ^c	89.70 ^c	95.23	93.70	100.00	100.00	43,914	4,654
2970	Copper & Alloy, Rolling, Casting & Extruding	56	57.97	59.14	85.44 ^c	78.89 ^c	90.42 ^c	x	93.42 ^c	x	95.33	91.62	x	x	42,443	3,620
2980	Metal Rolling, Casting & Extruding, N.E.S.	73	32.55	23.26	47.82	37.23	55.95	43.22	62.45	50.61	73.93	66.56	x	x	41,340	3,736
3010	Boiler & Plate Works	66	56.37	45.08	68.06	57.03	76.95	65.97	82.80	75.16	85.85 ^c	x	98.47	94.79	61,493	6,496
3020 ^a	Fabricated Structural Metal Industry	97	25.82	25.76	41.60	38.39	54.74	50.88	65.07	60.55	72.36	66.48	93.10	90.48	187,359	18,072
3030	Ornamental & Architectural Metal Industry	634	14.37	13.27	23.27	22.13	28.11	26.37	33.26	31.21	37.36	33.39	57.80	53.41	103,478	13,439

SHARE OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-4

S.I.C. No.	INDUSTRY	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments															
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	Value Added \$'000	Empl. No.
3040	Total Metal Stamping, Pressing & Coating Industry	653	15.83	8.85	24.29	14.25	31.08	20.60	35.86	25.13	38.46	27.57	57.73	46.42	275,049	27,925		
-1	Mfrs. of Metal Food Cans	11	78.35	x	96.01	97.65	-	-	-	-	-	-	-	-	50,462	2,944		
-2	Other Metal Stamping, Pressing and Coating Industry	642	12.14	7.25	20.46	14.36	26.10	19.39	30.35	24.23	34.51	26.98	53.17	44.53	224,587	24,981		
3050	Wire & Wire Products Mfrs.	223	x	x	x	x	41.56	38.08	53.10	48.38	61.72	55.73	83.15	78.50	152,908	16,099		
3060	Hardware, Tool & Cutlery Mfrs.	423	x	x	26.17 ^c	19.17 ^c	33.34	26.13	38.31	31.02	42.78	34.77	x	x	123,692	13,570		
3070	Heating Equipment Mfrs.	106	35.73	30.11	49.37	47.22	56.93	54.47	63.23	60.65	68.93	64.99	91.34	89.79	50,305	5,711		
3080 ^a	Machine Shops	957	x	x	x	x	14.59	12.25	x	14.77 ^c	19.71	16.72	34.32	30.88	90,420	11,618		
3110	Agricultural Implement Ind.	96	x	x	x	x	x	82.12 ^c	x	x	x	x	98.28	95.77	126,743	13,721		
3150	Misc. Machinery & Equip. Mfrs.	528	x	x	25.16	23.15	29.82	27.12	33.34	31.47	37.20	33.93	57.59	53.61	419,738	43,956		
3160	Commercial Refrigeration & Air Conditioning Equip. Mfrs.	37	38.14	41.74	64.27 ^c	61.87 ^c	75.49 ^c	75.58 ^c	86.08 ^c	84.37 ^c	92.63	89.73	-	-	22,077	2,240		
3180	Office & Store Machinery Mfrs.	23	77.58	33.70	92.68	44.66	98.06 ^c	x	99.19	47.50	x	x	-	-	63,544	9,899		
3210 ^b	Aircraft & Parts Mfrs.	85	66.21	60.32	78.00	75.71	84.73	82.78	88.59	87.19	91.64	89.96	99.63	99.06	214,535	27,738		
3230 ^b	Motor Vehicle Manufacturers	20	90.28 ^c	x	97.88 ^c	88.98 ^c	99.43 ^c	91.83 ^c	99.85 ^c	x	100.00	100.00	-	-	631,390	42,432		
3240 ^c	Truck Body & Trailer Mfrs.	160	27.86 ^c	24.17 ^c	40.09	37.27	50.12	47.01	59.45	54.76	65.75 ^c	60.54 ^c	83.74	80.87	43,890	5,432		
3250 ^b	Motor Vehicle Parts & Accessories Mfrs.	160	43.56	40.23	56.64	52.18	64.08	59.03	69.54	64.90	74.15	68.99	90.81 ^c	87.69 ^c	326,641	31,982		
3260	Railroad Rolling Stock Ind.	-13	x	x	x	x	x	x	-	-	-	-	-	-	58,936	6,002		
3270	Shipbuilding & Repair	71	50.53	46.37	72.52	67.52	84.94 ^c	84.11 ^c	x	x	89.10	88.84	98.68	98.29	155,128	18,586		

SHARE OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN THE CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-4

S.I.C. No.	INDUSTRY	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
3280 ^a	Boatbuilding & Repair	242	18.55	16.57	31.00	26.70	40.42	36.62	47.72	42.32	53.26	50.69	73.61	71.26	13,077	1,876		
3290	Misc. Vehicle Manufacturers	19	85.19	78.60	x	92.07 ^c	x	x	x	x	-	-	-	-	12,312	1,262		
3310	Mfrs. of Small Electrical Appliances	61	x	x	69.87	58.39	78.18 ^c	70.80 ^c	83.79 ^c	79.00 ^c	87.54	84.38	99.71	99.57	54,673	5,173		
3320	Mfrs. of Major Appliances electrical & non-electrical	35	42.65	31.51	65.07	56.56	77.78	72.59	86.03	82.25	92.99	90.51	-	-	116,324	13,375		
3340	Mfrs. of Household Radio & T.V. Receivers	25	49.93	47.49	86.22 ^c	80.73 ^c	97.43 ^c	94.66 ^c	98.87 ^c	96.52 ^c	x	x	-	-	59,773	7,013		
3350	Communications Equipment Mfrs.	148	39.27	33.93	55.90	48.17	64.77	60.75	x	69.33 ^c	x	x	92.90	89.12	275,670	33,481		
3360	Mfrs. of Electrical Industrial Equipment	124	48.60	43.07	62.62	54.50	69.60	60.72	76.76	69.95	80.49	74.58	94.20	90.82	220,559	21,739		
3370	Battery Manufacturers	23	x	33.48 ^c	x	57.53 ^c	88.40	76.07	x	x	x	x	-	-	24,728	2,362		
3380	Mfrs. of Electrical Wire & Cable	25	59.40	57.87	79.09	76.33	x	87.63 ^c	93.15	94.21	96.66 ^c	97.63 ^c	-	-	95,121	7,864		
3390	Mfrs. of Misc. Electrical Prod.	154	26.93	18.90	40.81	30.99	50.64 ^c	40.20 ^c	58.21	46.97	65.59	56.80	x	x	115,806	12,384		
3410	Cement Manufacturers	22	38.24	27.46	60.18 ^c	48.76 ^c	78.23 ^c	62.49 ^c	91.43	74.14	98.80 ^c	x	-	-	104,081	3,837		
3475 ^a	Concrete Products Mfrs. Ready-Mix Concrete Mfrs.	825	9.92	7.81	16.43	13.83	x	x	27.11	23.83	31.38	28.78	49.87	45.80	187,216	17,547		
3511 ^a	Clay Products Mfrs.—domestic clays	83	32.88	27.51	52.54	43.01	62.10 ^c	52.92 ^c	67.82	58.00	73.26	64.39	95.61	92.04	31,095	3,522		
3512	Clay Products Mfrs.—imported clays	39	x	x	77.75 ^c	63.95 ^c	88.50 ^c	78.30 ^c	93.94 ^c	87.73 ^c	x	x	-	-	21,272	2,153		
3530 ^a	Stone Products Manufacturers	114	22.26	22.86	35.69	36.50	45.03	45.73	52.19	52.91	x	x	83.59	85.56	8,506	1,115		
3550	Asbestos Products Manufacturers	17	x	68.64 ^c	96.87	91.17	98.97	93.51	x	x	-	-	-	-	27,188	2,606		
3561	Glass Manufacturers	12	x	x	x	x	100.00	100.00	-	-	-	-	-	-	56,779	7,220		

SHARE OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 159 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-4

S.I.C. No.	INDUSTRY	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
3562	Glass Products Manufacturers	121	60.62	39.41	70.15	45.71	75.68	57.21	x	67.06 ^c	82.14 ^c	68.24 ^c	94.76	88.52	38,518	3,653		
3570	Abrasive Manufacturers	22	57.85 ^c	58.98 ^c	85.32	83.30 ^c	95.29	94.93	98.95	98.61	x	x	-	-	30,264	2,821		
3650 ^a	Petroleum Refineries	57	25.90	31.67	41.72	47.90	58.78	57.40	66.97	65.21	75.56	72.82	99.85	99.47	257,587	9,384		
3690	Other Petroleum & Coal Products Ind.	33	39.24	31.63	59.38 ^c	x	66.69	56.12	x	67.79 ^c	90.66	75.70	-	-	7,701	531		
3710	Explosives & Ammunition Mfrs.	15	x	x	x	x	98.80	96.18	-	-	-	-	-	-	45,247	4,140		
3720 ^a	Mfrs. of Mixed Fertilizers	68	x	27.64 ^c	47.18	43.03	56.65	53.50	62.39	62.85	69.07	67.32	97.67	93.80	21,271	1,968		
3730	Mfrs. of Plastics and Synthetic Resins	34	52.80	47.42	x	73.93 ^c	89.19	84.36	93.15	88.65	95.54	91.97	-	-	71,125	3,825		
3740	Total Mfrs. of Pharmaceuticals and Medicines	162	21.55	16.59	36.68	28.43	48.40	38.50	x	x	67.02	55.89	91.58	83.85	162,318	11,137		
-1	Mfrs. of Ethical Drugs	32	30.12	29.95	50.83	47.16	69.10	64.61	81.26	74.58	91.07	83.20	-	-	105,119	6,444		
-2	Other Pharmaceuticals and Medicines	130	x	x	x	x	66.10	53.86	72.01	60.36	76.47	64.30	93.63	83.84	57,199	4,693		
3750 ^a	Paint & Varnish Manufacturers	150	27.82	18.57	38.85	28.50	49.80	36.08	58.33	42.76	65.47	50.69	88.66	75.31	93,998	7,824		
3760	Mfrs. of Soap & Cleaning Compounds	134	x	x	81.76 ^c	x	86.80	62.46	90.80 ^c	x	x	x	98.33	80.37	103,254	5,688		
3770	Mfrs. of Toilet Preparations	67	45.11	30.81	62.45	47.24	75.73 ^c	57.07 ^c	82.54	68.66	87.33	78.87 ^c	x	x	69,745	4,426		
3780	Mfrs. of Industrial Chemicals	134	32.01	33.75	46.94	48.39	57.94	57.06	65.30	65.27	71.01	69.60	90.79	85.16	358,205	18,899		
3791	Mfrs. of Printing Inks	37	41.87	47.90	64.49	64.73	77.18	76.24	85.32	83.41	91.69	88.80	-	-	11,773	1,242		
3811	Instruments & Related Products Manufacturers	113	53.86	49.94	x	61.38 ^c	76.40	67.96	80.60	71.97	87.49	76.56	96.90	91.07	98,477	11,216		
3812	Clock & Watch Manufacturers	20	x	x	89.77	88.62	95.12	94.65	98.80	98.83	100.00	100.00	-	-	12,211	1,292		

SHARE OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN 169 CANADIAN MANUFACTURING INDUSTRIES, 1965

TABLE A-4

S.I.C. No.	INDUSTRY	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments															
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	Value Added \$'000	Empl. No.
3814	Ophthalmic Goods Mfrs.	82	x	x	43.41	40.79	x	51.22 ^c	x	59.20 ^c	68.32	63.67	92.69	84.73	13,247	2,731		
3815	Dental Laboratories	560	x	x	x	x	26.91	34.64	x	x	x	x	x	x	14,344	1,703		
3830 ^a	Broom, Brush & Mop Industry	88	x	x	x	x	x	69.73 ^c	x	76.39 ^c	86.27	82.03	97.70	98.12	18,057	2,822		
3850	Plastic Fabricators, N.E.S.	376	16.56	10.97	26.52	16.84	33.43	21.77	37.78	27.14	41.66	30.30	62.85	53.55	98,010	11,617		
3931	Sporting Goods Industry	131	x	x	x	x	x	x	x	x	x	x	92.41	89.44	28,457	4,423		
3932	Toys & Games Industry	81	30.69	36.05	47.84	50.04	59.55	62.65	69.42 ^c	69.02 ^c	75.63	75.58	96.82 ^c	96.57 ^c	21,642	3,567		
3950	Fur Dressing & Dyeing Industry	17	65.75	62.50	89.92	x	98.13	98.06	x	x	-	-	-	-	6,260	928		
3970 ^a	Signs & Displays Industry	399	15.48	14.38	22.83	19.68	31.35	28.74	36.62	33.86	41.79	38.35	61.57	61.85	32,857	4,805		
3981	Button, Buckle & Fastener Ind.	29	66.27 ^c	62.64 ^c	79.35 ^c	76.59 ^c	89.14	86.81	95.58	94.76	x	97.41 ^c	-	-	11,202	1,585		
3986	Musical Instrument & Sound Recording Industry	27	73.49	57.76	89.78	83.05	96.65	94.19	98.38	97.86	99.35	99.34	-	-	18,403	1,688		
3988	Typewriter Supplies Mfra.	11	x	x	96.68	94.36	-	-	-	-	-	-	-	-	4,883	603		
3989	Fountain Pen & Pencil Manufacturers	19	x	x	83.87 ^c	76.24 ^c	95.05	91.14	99.35 ^c	98.82 ^c	-	-	-	-	10,305	1,107		
9990	Leather Glove Factories Fabric Glove Manufacturers	72	21.92	21.61	38.00	36.60	52.29	48.93	64.00	61.23	72.09	67.96	96.82	96.61	11,039	2,781		

EXPLANATION OF FOOTNOTES

- a** Industries for which regional statistics are given
- b** Establishments ranked or measured by Value Added
- c** Estimated
- Not Applicable
- x** Withheld to avoid disclosing figures for individual establishment

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
1010	Slaughtering & Meat Processors, Canada (number of estb.)	365 (399)	58.07 (29)	67.58 (38)	71.48 (42)	74.55 (46)	77.33 (50)	88.07 (82)	1,438.74	24.36	24.82
	Atlantic Region (number of estb.)	25 (26)	80.50 (5)	92.59 (9)	97.09 (13)	98.82 (17)	99.79 (21)	- -	39.02	x	4.23
	Quebec (number of estb.)	124 (129)	53.65 (9)	65.39 (13)	71.94 (17)	77.12 (21)	81.39 (25)	93.64 (55)	286.31	x	15.95
	Ontario (number of estb.)	131 (134)	53.11 (6)	65.45 (10)	73.89 (14)	80.53 (18)	84.63 (22)	97.01 (53)	548.38	x	13.41
	Manitoba (number of estb.)	25 (25)	88.97 (4)	95.30 (8)	97.98 (12)	99.26 (16)	99.80 (20)	- -	144.64	x	2.80
	Saskatchewan (number of estb.)	13 (15)	95.77 (6)	99.28 (10)	x (14)	- -	- -	- -	67.04	x	x
	Alberta (number of estb.)	28 (33)	84.64 (8)	97.69 (12)	99.36 (17)	99.76 (21)	99.90 (25)	- -	278.64	x	2.39
	British Columbia (number of estb.)	37 (37)	74.68 (4)	88.18 (8)	93.14 (12)	95.71 (16)	97.63 (20)	- -	74.72	x	6.83
1030	Poultry Processors, Canada (number of estb.)	137 (150)	24.19 (8)	37.65 (17)	48.61 (21)	58.34 (27)	64.30 (31)	90.91 (63)	192.58	33.93	42.95
	Atlantic Region (number of estb.)	16 (16)	80.00 (4)	96.70 (8)	99.26 (12)	100.00 (16)	- -	- -	8.35	4.00	5.17

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Empley- ment
			Largest Enterprises								
	Quebec (number of estb.)	33 (33)	46.06 (4)	67.38 (8)	81.84 (12)	91.08 (16)	96.64 (20)	— —	67.96	x	14.22
	Ontario (number of estb.)	55 (56)	34.54 (4)	61.49 (8)	76.15 (13)	85.77 (17)	91.33 (21)	99.95 (51)	72.19	x	16.95
	Prairie Region (number of estb.)	21 (28)	50.59 (9)	79.28 (15)	92.77 (19)	97.91 (23)	x —	— —	27.21	x	8.96
	British Columbia (number of estb.)	17 (17)	87.13 (4)	95.14 (8)	98.80 (12)	x (16)	— —	— —	16.86	x	3.63
1060	Dairy Factories & Process Cheese Mfrs., Canada (number of estb.)	1,165 (1,421)	25.13 (63)	34.81 (115)	40.86 (179)	45.59 (201)	48.79 (220)	62.25 (287)	1,061.71	183.59	185.57
	Newfoundland, Prince Edward Island (number of estb.)	24 (27)	74.99 (7)	87.06 (11)	93.86 (15)	97.34 (19)	99.12 (23)	— —	12.11	x	5.88
	Nova Scotia (number of estb.)	37 (37)	46.79 (4)	64.58 (8)	76.21 (12)	83.93 (16)	89.01 (20)	— —	25.40	x	14.72
	New Brunswick (number of estb.)	44 (47)	50.93 (7)	70.10 (11)	78.77 (15)	84.68 (19)	88.99 (23)	— —	18.81	x	10.87
	Quebec (number of estb.)	436 (454)	x (14)	x (21)	x (25)	x (31)	x (35)	x (65)	x	79.24	82.00
	Ontario (number of estb.)	506 (578)	x (46)	x (62)	x (68)	x (76)	x (82)	x (115)	x	93.12	101.29

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Manitoba (number of estb.)	42 (68)	67.91 (27)	80.83 (31)	85.94 (37)	89.13 (42)	91.60 (46)	- -	40.12	x	7.10
	Saskatchewan (number of estb.)	18 (56)	88.51 (42)	94.02 (46)	97.25 (50)	99.37 (54)	- -	- -	35.11	x	3.00
	Alberta (number of estb.)	51 (111)	x (56)	x (64)	x (71)	x (76)	x (80)	x (110)	x	4.83	4.79
	British Columbia, Northwest Territories, Yukon (number of estb.)	35 (43)	75.15 (10)	88.22 (15)	93.25 (20)	96.27 (24)	98.04 (28)	- -	66.49	x	5.84
1110	Fish Products Industry, Canada (number of estb.)	301 (376)	37.09 (37)	52.10 (54)	58.64 (61)	63.63 (75)	67.35 (80)	83.90 (117)	269.31	40.82	40.50
	Atlantic Region and Quebec (number of estb.)	245 (301)	35.66 (29)	48.05 (39)	56.36 (53)	62.08 (58)	66.64 (65)	84.82 (99)	165.88	36.85	34.43
	Ontario and Prairie Region (number of estb.)	25 (25)	66.08 (4)	82.98 (8)	91.78 (12)	96.57 (16)	98.85 (20)	- -	13.59	x	8.79
	British Columbia (number of estb.)	37 (50)	77.35 (17)	85.87 (21)	92.36 (25)	96.30 (29)	98.39 (33)	- -	89.83	x	4.40
1120	Fruit & Vegetable Canners & Preservers, Canada (number of estb.)	266 (313)	39.27 (23)	52.02 (38)	59.34 (44)	64.33 (50)	68.51 (57)	85.71 (95)	435.75	36.11	42.70

INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Atlantic Region (number of estb.)	19 (21)	75.97 (6)	95.53 (10)	99.16 (14)	99.90 (18)	— —	— —	23.17	x	4.18
	Quebec (number of estb.)	91 (96)	44.86 (7)	65.48 (13)	71.22 (17)	76.00 (21)	79.68 (25)	96.31 (55)	69.21	x	25.33
	Ontario (number of estb.)	120 (142)	53.41 (16)	67.31 (21)	75.59 (29)	80.50 (33)	84.43 (38)	96.44 (72)	277.35	x	17.85
	Prairie Region & British Columbia (number of estb.)	45 (54)	38.65 (7)	62.53 (13)	75.74 (19)	84.25 (25)	89.43 (29)	— —	66.02	13.63	13.90
1240	Flour Mills, Canada (number of estb.)	36 (51)	79.65 (18)	90.18 (23)	94.95 (27)	97.89 (31)	99.02 (35)	— —	244.48	x	3.46
	Atlantic Region, Quebec and Ontario (number of estb.)	28 (33)	x (8)	x (13)	x (17)	x (21)	x (25)	— —	x	3.64	2.77
	Prairie Region & British Columbia (number of estb.)	12 (18)	82.70 (10)	99.77 (14)	100.00 (18)	— —	— —	— —	x	3.77	3.79
1290	Bakeries, Canada (number of estb.)	2,375 (2,465)	32.26 (66)	43.89 (81)	49.52 (89)	53.31 (95)	55.53 (99)	63.60 (138)	444.05	296.74	363.08
	Newfoundland (number of estb.)	19 (19)	74.01 (4)	92.95 (8)	96.64 (12)	98.98 (16)	— —	— —	4.53	x	5.08

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Prince Edward Island (number of estb.)	8 (8)	x (4)	x (8)	- -	- -	- -	- -	x	4.10	3.80
	Nova Scotia (number of estb.)	71 (72)	67.39 (5)	76.54 (9)	81.14 (13)	84.15 (17)	86.88 (21)	97.60 (51)	12.97	x	14.93
	New Brunswick (number of estb.)	59 (61)	76.37 (6)	85.69 (10)	89.28 (14)	91.65 (18)	93.56 (22)	99.70 (52)	14.58	x	8.81
	Quebec (number of estb.)	751 (755)	24.09 (4)	36.24 (10)	44.74 (14)	50.34 (18)	54.23 (24)	68.06 (54)	145.12	126.25	136.97
	Ontario (number of estb.)	738 (766)	38.99 (21)	59.36 (32)	65.85 (40)	68.56 (44)	70.65 (48)	78.07 (78)	172.12	62.33	83.15
	Manitoba (number of estb.)	151 (153)	55.22 (6)	65.29 (10)	70.70 (14)	74.50 (18)	76.83 (22)	86.76 (52)	19.45	27.19	23.29
	Saskatchewan (number of estb.)	109 (116)	57.25 (11)	62.63 (15)	66.81 (19)	70.30 (23)	73.21 (27)	87.44 (57)	12.81	31.68	28.00
	Alberta (number of estb.)	182 (192)	49.91 (9)	61.00 (16)	65.22 (20)	68.41 (24)	70.92 (28)	82.35 (59)	23.98	41.64	41.37
	British Columbia, Northwest Territories, Yukon (number of estb.)	317 (323)	x (10)	x (14)	x (18)	x (22)	x (26)	x (56)	x	77.24	81.00
1310	Confectionery Manufacturers, Canada (number of estb.)	173 (180)	46.65 (8)	65.41 (14)	75.28 (19)	80.99 (23)	84.57 (27)	95.51 (57)	187.57	x	16.83

INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Atlantic Region (number of estb.)	12 (12)	x (4)	x (8)	x (12)	- -	- -	- -	x	x	x
	Quebec (number of estb.)	63 (63)	68.33 (4)	82.29 (8)	87.96 (12)	91.72 (16)	94.25 (20)	99.72 (50)	52.65	x	9.61
	Ontario (number of estb.)	63 (68)	63.13 (7)	81.50 (13)	88.84 (17)	93.05 (21)	95.71 (25)	99.87 (55)	117.82	x	7.62
	Prairie Region (number of estb.)	16 (16)	x (4)	x (8)	x (12)	x (16)	- -	- -	x	3.00	5.48
	British Columbia (number of estb.)	21 (21)	x (4)	x (8)	x (12)	x (16)	x (20)	- -	x	6.07	7.85
1392	Misc. Food Manufacturers, Canada (number of estb.)	240 (272)	32.79 (19)	48.37 (27)	57.40 (35)	63.74 (41)	67.96 (46)	86.82 (82)	565.17	34.82	51.85
	Atlantic Region (number of estb.)	23 (24)	x (5)	x (9)	x (13)	x (17)	x (21)	- -	x	5.93	7.21
	Quebec (number of estb.)	80 (82)	55.96 (4)	74.26 (9)	81.30 (14)	85.93 (18)	89.44 (22)	98.99 (52)	165.51	x	18.71
	Ontario (number of estb.)	96 (102)	38.30 (7)	53.70 (12)	64.04 (17)	71.43 (21)	77.74 (26)	96.64 (56)	277.00	x	29.50
	Prairie Region (number of estb.)	30 (31)	x (5)	x (9)	x (13)	x (17)	x (21)	- -	x	5.29	6.50

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1985**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	British Columbia (number of estb.)	31 (33)	62.16 (5)	87.68 (10)	95.25 (14)	98.01 (18)	99.26 (22)	— —	59.81	x	8.45
1410	Soft Drink Manufacturers, Canada (number of estb.)	410 (470)	40.86 (42)	48.03 (51)	53.06 (60)	56.63 (64)	59.44 (72)	69.11 (105)	225.70	105.41	121.82
	Atlantic Region (number of estb.)	50 (59)	39.67 (11)	52.79 (17)	62.84 (21)	70.73 (25)	77.72 (29)	100.00 (59)	17.53	21.51	24.12
	Quebec (number of estb.)	164 (169)	42.75 (6)	54.88 (13)	60.40 (17)	64.16 (21)	67.39 (25)	82.74 (55)	86.49	42.92	49.14
	Ontario (number of estb.)	121 (146)	51.62 (20)	67.08 (29)	71.39 (34)	74.50 (40)	77.01 (44)	91.21 (75)	80.23	25.50	26.64
	Manitoba (number of estb.)	14 (16)	77.97 (5)	91.69 (10)	x (14)	— —	— —	— —	9.56	x	5.00
	Saskatchewan (number of estb.)	22 (23)	40.22 (5)	63.98 (9)	82.29 (13)	92.61 (17)	x (21)	— —	7.03	x	12.29
	Alberta (number of estb.)	22 (23)	57.51 (5)	76.92 (9)	87.81 (13)	94.84 (17)	x (21)	— —	10.48	x	9.82
	British Columbia, Northwest Territories, Yukon (number of estb.)	34 (34)	57.37 (4)	72.33 (8)	81.91 (12)	88.40 (16)	92.97 (20)	— —	14.39	x	14.76

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
1450	Breweries, Canada (number of estb.)	11 (52)	94.57 (41)	99.65 (49)	- -	- -	- -	- -	298.44	x	2.58
	Atlantic Region, Quebec and Ontario (number of estb.)	9 (27)	93.87 (18)	x (26)	- -	- -	- -	- -	227.52	x	x
	Prairie Region & British Columbia (number of estb.)	5 (25)	x (24)	- -	- -	- -	- -	- -	70.91	x	x
2210	Canvas Products Industry, Canada (number of estb.)	143 (144)	33.08 (5)	48.74 (9)	58.85 (13)	65.06 (17)	69.73 (21)	86.96 (51)	24.17	34.89	39.16
	Atlantic Region, Quebec and Ontario (number of estb.)	107 (108)	x (5)	x (9)	x (13)	x (17)	x (21)	x (51)	x	25.36	28.86
	Prairie Region and British Columbia (number of estb.)	36 (36)	x (4)	x (8)	x (12)	x (16)	x (20)	- -	x	9.78	10.64
2230	Cotton and Jute Bag Industry, Canada (number of estb.)	26 (31)	53.45 (9)	75.25 (13)	88.48 (17)	94.52 (21)	97.94 (25)	- -	31.19	x	10.86
	Atlantic Region, Quebec and Ontario (number of estb.)	23 (24)	x (5)	x (9)	x (13)	x (17)	x (21)	- -	x	8.95	10.90
	Prairie Region and British Columbia (number of estb.)	5 (7)	x (6)	- -	- -	- -	- -	- -	x	2.50	1.98

**INOEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1985**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
2513	Sawmills & Planing Mills, Canada (number of estb.)	2,467 (2,559)	16.26 (14)	26.06 (33)	30.32 (41)	33.67 (50)	36.34 (61)	50.53 (119)	896.24	261.31	420.56
	Atlantic Region, Quebec and Ontario (number of estb.)	1,528 (1,554)	8.41 (7)	14.48 (15)	18.61 (20)	22.07 (24)	25.26 (28)	41.92 (59)	260.39	238.97	294.00
	Prairie Region, British Columbia, N.W.T. and Yukon (number of estb.)	942 (1,005)	22.92 (14)	36.11 (30)	42.07 (34)	46.28 (48)	49.90 (61)	67.64 (110)	635.85	95.60	156.00
2520 ^b	Veneer & Plywood Mills, Canada (number of estb.)	70 (83)	43.82 (11)	60.36 (18)	69.76 (23)	77.31 (27)	81.15 (31)	98.29 (63)	222.44	x	21.73
	Atlantic Region, Quebec and Ontario (number of estb.)	48 (53)	x (7)	x (11)	x (15)	x (19)	x (24)	- -	x	x	20.43
	Prairie Region & British Columbia (number of estb.)	24 (30)	x (9)	x (14)	x (18)	x (22)	x (26)	- -	x	x	7.10
2541	Sash, Door & Other Millwork Plants, Canada (number of estb.)	980 (987)	9.13 (4)	15.02 (11)	19.75 (15)	23.54 (19)	26.81 (23)	45.55 (56)	189.06	198.97	224.95
	Atlantic Region (number of estb.)	80 (80)	39.66 (4)	59.71 (8)	72.37 (12)	79.12 (16)	83.75 (20)	98.02 (50)	7.02	16.72	17.38
	Quebec (number of estb.)	428 (429)	17.55 (4)	26.92 (8)	34.59 (12)	40.37 (16)	44.92 (20)	67.09 (50)	57.29	84.50	86.29

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Ontario (number of estb.)	232 (237)	22.55 (5)	33.23 (13)	42.32 (17)	50.32 (21)	56.65 (25)	81.67 (55)	60.46	46.29	52.49
	Prairie Region and British Columbia (number of estb.)	241 (241)	20.13 (4)	30.92 (8)	39.69 (12)	46.03 (16)	51.51 (20)	75.99 (50)	64.29	59.21	71.71
2560	Wooden Box Factories, Canada (number of estb.)	156 (160)	44.70 (5)	59.19 (10)	68.51 (15)	74.11 (20)	78.26 (24)	91.58 (54)	35.12	22.28	24.30
	Atlantic Region (number of estb.)	20 (20)	x (4)	x (8)	x (12)	x (16)	x (20)	-- --	x	8.59	7.23
	Quebec (number of estb.)	41 (41)	64.74 (4)	80.09 (8)	86.92 (12)	91.29 (16)	94.34 (20)	-- --	7.13	x	7.68
	Ontario (number of estb.)	64 (67)	58.96 (5)	76.25 (10)	84.45 (15)	89.11 (19)	92.36 (23)	99.59 (53)	23.78	x	10.35
	Prairie Region and British Columbia (number of estb.)	32 (32)	x (4)	x (8)	x (12)	x (16)	x (20)	-- --	x	7.88	6.29
2580	Coffin & Casket Industry, Canada (number of estb.)	47 (56)	50.62 (13)	64.64 (17)	72.93 (21)	79.96 (25)	86.11 (29)	-- --	13.68	x	16.37
	Atlantic Region (number of estb.)	5 (5)	x (4)	-- --	-- --	-- --	-- --	-- --	.67	2.60	2.57

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Quebec (number of estb.)	21 (21)	65.20 (4)	85.85 (8)	96.75 (12)	99.64 (16)	x (20)	-	5.66	x	6.39
	Ontario (number of estb.)	15 (17)	58.80 (6)	79.37 (10)	94.88 (14)	-	-	-	5.01	x	8.91
	Prairie Region (number of estb.)	6 (9)	x (7)	-	-	-	-	-	1.54	x	x
	British Columbia (number of estb.)	4 (4)	100.00 (4)	-	-	-	-	-	.80	x	x
2733	Paper and Plastic Bag Mfrs., Canada (number of estb.)	56 (74)	43.85 (15)	66.12 (24)	79.73 (30)	85.83 (34)	89.37 (38)	99.83 (68)	120.92	x	13.12
	Atlantic Region, Quebec and Ontario (number of estb.)	48 (57)	x (10)	x (16)	x (21)	x (25)	x (29)	-	x	12.38	13.12
	Prairie Region and British Columbia (number of estb.)	14 (17)	65.92 (6)	92.78 (11)	99.88 (15)	-	-	-	19.41	5.57	6.01
2850	Commercial Printing, Publishing Only, Publishing and Printing, Canada (number of estb.)	3,050 (3,127)	13.21 (17)	21.16 (26)	27.32 (44)	32.30 (48)	36.29 (68)	51.49 (110)	1,019.71	347.37	433.40
	Atlantic Region and Quebec (number of estb.)	1,046 (1,050)	21.05 (4)	33.45 (8)	40.66 (15)	44.93 (19)	47.89 (23)	62.80 (53)	318.20	147.31	177.06

INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Ontario (number of estb.)	1,283 (1,307)	19.42 (6)	30.38 (13)	36.81 (26)	42.08 (34)	46.00 (38)	62.42 (69)	534.09	142.29	166.89
	Prairie Region (number of estb.)	471 (486)	34.27 (8)	47.65 (15)	53.67 (21)	58.24 (27)	61.55 (32)	75.90 (63)	100.43	65.89	80.17
	British Columbia, Northwest Territories and Yukon (number of estb.)	276 (284)	55.72 (10)	64.92 (14)	69.07 (18)	71.89 (22)	74.48 (27)	84.42 (57)	66.98	33.93	50.69
2870	Platemaking, Typesetting & Trade Bindery Plants, Canada (number of estb.)	330 (338)	25.53 (11)	32.38 (15)	38.78 (19)	43.91 (23)	48.28 (27)	67.51 (57)	65.52	89.36	91.17
	Atlantic Region and Quebec (number of estb.)	109 (109)	31.11 (4)	47.43 (8)	58.44 (12)	65.13 (16)	70.64 (20)	90.88 (50)	21.91	29.23	30.03
	Ontario (number of estb.)	158 (163)	30.52 (9)	44.26 (13)	52.68 (17)	58.92 (21)	64.11 (25)	84.02 (55)	37.38	41.54	42.93
	Prairie Region (number of estb.)	40 (40)	39.64 (4)	57.83 (8)	71.94 (12)	81.09 (16)	87.41 (20)	— —	3.53	x	13.52
	British Columbia (number of estb.)	25 (26)	49.48 (4)	69.76 (9)	82.33 (13)	89.67 (17)	95.57 (21)	— —	2.71	x	10.87
2940	Iron Foundries, Canada (number of estb.)	128 (137)	44.70 (8)	59.55 (15)	68.65 (20)	75.49 (25)	79.56 (29)	93.17 (59)	167.48	x	31.59

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1985**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Atlantic Region and Quebec (number of estb.)	46 (47)	x (5)	x (9)	x (13)	x (17)	x (21)	- -	x	8.41	15.15
	Ontario (number of estb.)	57 (61)	47.29 (7)	65.52 (11)	77.21 (16)	84.92 (20)	88.96 (24)	99.84 (54)	119.21	x	15.88
	Prairie Region and British Columbia (number of estb.)	27 (29)	x (6)	x (10)	x (14)	x (18)	x (22)	- -	x	5.84	8.52
3020	Fabricated Structural Metal Ind., Canada (number of estb.)	75 (97)	46.94 (22)	61.73 (27)	72.88 (33)	79.99 (37)	85.03 (41)	98.30 (72)	372.29	x	15.46
	Atlantic Region and Quebec (number of estb.)	21 (23)	68.13 (6)	85.55 (10)	94.46 (14)	98.99 (18)	99.93 (22)	- -	105.13	x	5.35
	Ontario (number of estb.)	39 (43)	34.69 (7)	64.53 (12)	84.70 (16)	91.42 (20)	95.12 (24)	- -	178.11	x	11.20
	Prairie Region and British Columbia (number of estb.)	22 (31)	79.79 (13)	89.58 (17)	95.40 (21)	98.28 (25)	99.69 (29)	- -	89.05	x	3.92
3080	Machine Shops, Canada (number of estb.)	954 (957)	8.30 (5)	13.08 (9)	16.78 (14)	19.79 (18)	22.53 (22)	37.39 (52)	143.70	302.99	321.74
	Atlantic Region (number of estb.)	51 (51)	45.45 (4)	64.58 (8)	76.32 (12)	84.67 (16)	88.68 (20)	- -	8.91	13.45	15.26

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Quebec (number of estb.)	222 (223)	21.83 (4)	33.08 (8)	40.65 (12)	46.66 (16)	51.53 (21)	73.73 (51)	37.47	64.71	66.42
	Ontario (number of estb.)	391 (392)	8.37 (5)	14.46 (9)	19.78 (13)	24.57 (17)	28.62 (21)	50.15 (51)	48.68	145.48	146.57
	Manitoba (number of estb.)	44 (44)	51.71 (4)	72.41 (8)	83.09 (12)	88.21 (16)	91.85 (20)	- -	8.32	x	13.17
	Saskatchewan (number of estb.)	30 (30)	55.51 (4)	72.76 (8)	83.28 (12)	91.35 (16)	95.69 (20)	- -	2.60	x	9.77
	Alberta (number of estb.)	75 (76)	55.27 (5)	65.19 (9)	72.07 (13)	78.30 (17)	82.48 (21)	96.61 (51)	17.54	17.36	24.14
	British Columbia (number of estb.)	141 (141)	20.59 (4)	33.91 (8)	41.85 (12)	47.86 (16)	53.37 (20)	80.04 (50)	20.18	x	51.44
3240	Truck Body and Trailer Mfrs., Canada (number of estb.)	155 (160)	37.33 (7)	51.80 (13)	61.82 (17)	68.50 (21)	72.76 (25)	88.22 (55)	103.01	30.46	38.62
	Atlantic Region and Quebec (number of estb.)	41 (41)	x (4)	x (8)	x (12)	x (16)	x (20)	- -	x	14.96	15.22
	Ontario (number of estb.)	56 (58)	50.78 (6)	69.83 (10)	80.88 (14)	86.82 (18)	90.54 (22)	99.78 (52)	70.81	x	13.22
	Prairie Region (number of estb.)	43 (43)	x (4)	x (8)	x (12)	x (16)	x (20)	- -	x	12.52	13.69

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	British Columbia (number of estb.)	18 (18)	65.28 (4)	84.23 (8)	94.14 (12)	99.37 (16)	- -	- -	8.93	x	7.47
3280	Boatbuilding & Repair, Canada (number of estb.)	242 (242)	21.14 (4)	34.98 (8)	43.32 (12)	50.27 (16)	55.85 (20)	76.61 (50)	24.63	59.11	62.85
	Atlantic Region (number of estb.)	58 (58)	x (4)	x (8)	x (12)	x (16)	x (20)	x (50)	x	22.43	17.30
	Quebec (number of estb.)	27 (27)	75.49 (4)	90.01 (8)	94.06 (12)	96.69 (16)	98.39 (20)	- -	3.60	x	6.36
	Ontario and Prairie Region (number of estb.)	79 (79)	x (4)	x (8)	x (12)	x (16)	x (20)	x (50)	x	17.81	20.88
	British Columbia (number of estb.)	78 (78)	33.86 (4)	49.86 (8)	60.78 (12)	68.78 (16)	75.18 (20)	95.06 (50)	6.75	23.72	22.70
3475	Concrete Products Manufacturers, Ready-Mix Concrete Mfrs. Canada (number of estb.)	738 (825)	21.30 (30)	29.80 (55)	35.62 (61)	40.87 (70)	45.19 (74)	63.50 (119)	401.99	121.41	162.66
	Newfoundland (number of estb.)	6 (6)	x (4)	- -	- -	- -	- -	- -	x	1.56	1.59
	Prince Edward Island (number of estb.)	3 (3)	- -	- -	- -	- -	- -	- -	.15	x	x

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Nova Scotia (number of estb.)	20 (22)	61.47 (6)	87.38 (10)	96.29 (14)	99.18 (18)	100.00 (22)	— —	4.92	6.18	8.02
	New Brunswick (number of Estb.)	21 (21)	66.01 (4)	87.10 (8)	94.85 (12)	99.02 (16)	x (20)	— —	5.33	5.82	7.22
	Quebec (number of estb.)	236 (239)	33.75 (6)	49.04 (11)	60.34 (15)	65.24 (19)	69.11 (23)	85.40 (53)	124.95	37.59	52.82
	Ontario (number of estb.)	260 (299)	33.59 (29)	43.77 (34)	51.25 (44)	57.25 (49)	62.32 (53)	81.24 (87)	169.81	46.65	59.88
	Manitoba (number of estb.)	28 (30)	x (6)	x (10)	x (14)	x (18)	x (22)	— —	x	3.26	4.23
	Saskatchewan (number of estb.)	33 (35)	58.60 (6)	76.01 (10)	83.13 (14)	88.71 (18)	92.78 (22)	— —	14.99	10.20	15.54
	Alberta (number of estb.)	65 (81)	56.93 (12)	71.36 (22)	79.70 (27)	84.93 (32)	88.13 (36)	98.73 (66)	35.00	12.19	16.07
	British Columbia, Northwest Territories and Yukon (number of estb.)	78 (89)	x (13)	x (17)	x (21)	x (26)	x (31)	x (61)	x	12.29	20.64
3511	Clay Products Manufacturers — domestic clays, Canada (number of estb.)	73 (83)	41.43 (9)	61.77 (15)	70.72 (20)	77.09 (25)	82.32 (30)	97.93 (60)	42.75	x	23.62
	Atlantic Region and Quebec (number of estb.)	13 (16)	x (7)	x (11)	x (15)	— —	— —	— —	x	4.25	4.56

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Ontario (number of estb.)	49 (52)	53.69 (5)	70.56 (10)	79.63 (15)	85.49 (19)	89.95 (23)	— —	25.49	x	18.47
	Prairie Region and British Columbia (number of estb.)	12 (15)	x (7)	x (11)	x (15)	— —	— —	— —	x	2.93	3.03
3530	Stone Products Mfrs., Canada (number of estb.)	114 (114)	21.92 (4)	33.38 (8)	42.33 (12)	50.10 (16)	56.94 ^c (20)	83.03 (50)	13.59	44.68	36.62
	Atlantic Region (number of estb.)	12 (12)	65.27 (4)	92.04 (8)	100.00 (12)	— —	— —	— —	1.24	x	6.00
	Quebec (number of estb.)	47 (47)	46.72 (4)	64.35 (8)	76.32 (12)	82.03 (16)	85.62 (20)	— —	5.85	x	10.60
	Ontario (number of estb.)	37 (37)	32.96 (4)	53.81 (8)	68.57 (12)	77.10 (16)	84.36 (20)	— —	5.48	x	15.25
	Prairie Region (number of estb.)	10 (10)	66.55 (4)	92.15 (8)	— —	— —	— —	— —	.59	x	4.25
	British Columbia (number of estb.)	8 (8)	79.68 (4)	100.00 (8)	— —	— —	— —	— —	.44	x	3.73
3650	Petroleum Refineries, Canada (number of estb.)	25 (57)	80.00 (31)	96.12 (37)	99.45 (42)	99.88 (48)	99.98 (52)	— —	1,414.92	4.00	3.80

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Atlantic Region and Quebec (number of estb.)	9 (12)	x (7)	x (11)	- -	- -	- -	- -	x	4.75	4.31
	Ontario (number of estb.)	14 (17)	85.26 (7)	99.56 (11)	x (15)	- -	- -	- -	503.47	x	3.25
	Prairie Region (number of estb.)	10 (19)	88.35 (12)	99.94 (17)	- -	- -	- -	- -	274.24	x	3.44
	British Columbia, Northwest Territories and Yukon (number of estb.)	7 (9)	92.87 (6)	- -	- -	- -	- -	- -	128.23	3.16	3.30
3720	Manufacturers of Mixed Fertilizers, Canada (number of estb.)	40 (68)	62.22 (17)	81.84 (35)	88.84 (40)	94.00 (44)	96.16 (48)	- -	88.71	x	9.74
	Atlantic Region and Quebec (number of estb.)	14 (21)	78.43 (10)	93.48 (15)	x (19)	- -	- -	- -	28.91	x	4.91
	Ontario (number of estb.)	23 (39)	66.14 (12)	86.87 (23)	95.85 (28)	98.26 (32)	99.48 (36)	- -	57.30	6.23	7.28
	Prairie Region and British Columbia (number of estb.)	8 (8)	98.44 (4)	100.00 (8)	- -	- -	- -	- -	2.50	x	x
3750	Paint & Varnish Manufacturers, Canada (number of estb.)	130 (150)	46.05 (18)	57.50 (27)	66.38 (32)	73.46 (36)	78.64 (40)	94.03 (70)	193.56	21.45	21.68

**INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Empley- ment
			Largest Enterprises								
	Atlantic Region and Quebec (number of estb.)	41 (42)	x (5)	x (9)	x (13)	x (17)	x (21)	- -	x	9.39	7.39
	Ontario (number of estb.)	74 (77)	44.51 (6)	60.36 (11)	72.25 (15)	80.99 (19)	86.42 (23)	98.74 (53)	114.75	x	17.20
	Prairie Region and British Columbia (number of estb.)	27 (31)	x (7)	x (12)	x (16)	x (20)	x (24)	- -	x	7.23	6.83
3830	Broom, Brush and Mop Ind., Canada (number of estb.)	85 (88)	48.43 (5)	64.57 (9)	75.84 (15)	81.94 (19)	86.81 (23)	98.10 (53)	33.36	x	15.52
	Atlantic Region and Quebec (number of estb.)	34 (34)	x (4)	x (8)	x (12)	x (16)	x (20)	- -	x	5.52	7.09
	Ontario (number of estb.)	36 (36)	57.13 (4)	78.31 (8)	88.87 (12)	94.91 (16)	98.28 (20)	- -	20.92	x	8.30
	Prairie Region and British Columbia (number of estb.)	18 (18)	x (4)	x (8)	x (12)	x (16)	- -	- -	x	4.58	4.16
3970	Signs and Displays Industry, Canada (number of estb.)	391 (399)	21.62 (11)	31.09 (15)	38.67 (19)	44.24 (23)	49.03 (27)	67.15 (58)	52.94	90.39	90.38
	Atlantic Region (number of estb.)	19 (19)	x (4)	x (8)	x (12)	x (16)	- -	- -	x	7.85	8.20

INDEXES OF ENTERPRISE CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965

TABLE A-5

S.I.C. No.	INDUSTRY AND REGION	Total Number of Enter- prises (and Estab- lishments)	Per cent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Enterprises Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Enterprises								
	Quebec (number of estb.)	82 (82)	23.70 (4)	39.63 (8)	52.41 (12)	62.45 (16)	70.36 (20)	94.04 (50)	8.60	28.13	26.02
	Ontario (number of estb.)	185 (185)	21.10 (4)	35.75 (8)	47.13 (12)	55.97 (16)	63.75 (20)	84.31 (50)	32.28	40.58	40.63
	Manitoba and Saskatchewan (number of estb.)	22 (23)	72.17 (5)	85.65 (9)	93.33 (13)	97.26 (17)	x (21)	- -	2.75	x	5.00
	Alberta (number of estb.)	40 (41)	53.37 (5)	69.01 (9)	79.33 (13)	85.29 (17)	89.61 (21)	- -	2.78	x	11.00
	British Columbia (number of estb.)	48 (49)	65.11 (5)	79.48 (9)	86.75 (13)	90.33 (17)	92.78 (21)	- -	5.14	x	8.19

EXPLANATION OF FOOTNOTES

- b** Enterprises ranked or measured by Value Added
- c** Estimated
- Not Applicable
- x** Withheld to avoid disclosing figures for individual enterprise

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
1010	Slaughtering & Meat Processors, Canada (number of estb.)	365 (399)	53.35	54.07	64.77	66.39	67.11	68.57	69.08	71.00	72.81	74.45	85.10	85.51	267,259	29,986		
	Atlantic Region (number of estb.)	25 (26)	78.38	x (5)	90.04	91.34 (9)	96.45	97.14 (13)	98.58	98.47 (17)	99.49	99.42 (21)	-	-	7,763	1,052		
	Quebec (number of estb.)	124 (129)	50.26	50.77 (9)	69.01	67.96 (13)	77.05	75.79 (17)	81.33	x (21)	84.40	82.38 (25)	93.89	93.11 (55)	60,500	6,880		
	Ontario (number of estb.)	131 (134)	53.54	55.77 (6)	61.87	64.23 (10)	67.43	71.04 (14)	77.94	80.57 (18)	82.13	84.83 (22)	96.46	95.91 (53)	102,744	11,195		
	Manitoba (number of estb.)	25 (25)	85.12	x (4)	88.29	89.42 (8)	96.21	95.95 (12)	98.11	98.59 (16)	99.67	99.83 (20)	-	-	22,957	3,065		
	Saskatchewan (number of estb.)	13 (15)	93.99	94.01 (6)	98.74	98.23 (10)	x	x (14)	-	-	-	-	-	-	12,294	1,471		
	Alberta (number of estb.)	28 (33)	87.66	89.06 (8)	94.57	95.21 (12)	98.31	98.35 (17)	99.35	99.22 (21)	99.67	99.61 (25)	-	-	44,813	4,618		
	British Columbia (number of estb.)	37 (37)	65.33	70.26 (4)	82.39	82.22 (8)	90.53	88.32 (12)	93.45	91.37 (16)	95.76	94.07 (20)	-	-	16,187	1,705		
1030	Poultry Processors, Canada (number of estb.)	137 (150)	21.40	19.02 (8)	30.42	31.26 (17)	40.27	39.36 (21)	49.44	50.99 (27)	53.87	55.42 (31)	87.04	83.64 (63)	31,891	5,987		
	Atlantic Region (number of estb.)	16 (16)	71.99	64.74 (4)	94.12	94.83 (8)	98.20	98.78 (12)	100.00	100.00 (16)	-	-	-	-	1,446	329		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Quebec (number of estb.)	33 (33)	35.50 (4)	38.54 (4)	52.20 (8)	54.37 (8)	69.98 (12)	65.49 (12)	84.04 (16)	80.28 (16)	94.07 (20)	93.28 (20)	-	-	9,512	1,907		
	Ontario (number of estb.)	55 (56)	25.06 (4)	27.29 (4)	52.61 (8)	54.79 (8)	70.67 (13)	68.92 (13)	81.45 (17)	77.90 (17)	89.07 (21)	85.76 (21)	99.86 (51)	99.94 (51)	11,939	1,960		
	Prairie Region (number of estb.)	21 (28)	47.31 (9)	53.28 (9)	77.55 (15)	73.90 (15)	90.04 (19)	88.72 (19)	96.61 (23)	96.46 (23)	x	x	-	-	5,637	1,188		
	British Columbia (number of estb.)	17 (17)	84.39 (4)	x	94.19 (8)	92.20 (8)	98.39 (12)	98.83 (12)	x	x	-	-	-	-	3,357	603		
1060	Dairy Factories & Process Cheese Manufacturers, Canada (number of estb.)	1:165 (1,421)	30.66 (63)	24.45 (63)	39.69 (115)	33.56 (115)	46.18 (179)	40.52 (179)	50.15 (201)	44.94 (201)	52.55 (220)	46.74 (220)	65.92 (287)	60.21 (287)	277,437	33,475		
	Newfoundland and Prince Edward Island (number of estb.)	24 (27)	72.52 (7)	72.22 (7)	83.45 (11)	80.09 (11)	92.10 (15)	89.35 (15)	96.23 (19)	95.83 (19)	98.64 (23)	98.61 (23)	-	-	3,028	432		
	Nova Scotia (number of estb.)	37 (37)	51.98 (4)	47.70 (4)	70.91 (8)	66.74 (8)	76.15 (12)	73.66 (12)	83.54 (16)	81.33 (16)	88.66 (20)	87.81 (20)	-	-	7,237	1,329		
	New Brunswick (number of estb.)	44 (47)	51.60 (7)	51.03 (7)	67.99 (11)	67.08 (11)	76.42 (15)	76.94 (15)	83.08 (19)	81.76 (19)	88.02 (23)	86.58 (23)	-	-	4,912	872		
	Quebec (number of estb.)	436 (454)	x (14)	x	x (21)	x	x (25)	x	x (31)	x	x (35)	x	x (65)	x	x	x	x	
	Ontario (number of estb.)	506 (578)	x (46)	x	x (62)	x	x (68)	x	x (76)	x	x (82)	x	x (115)	x	x	x	x	

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Manitoba (number of estb.)	42 (68)	71.73 (27)	63.83 (27)	86.78 (31)	81.35 (31)	90.57 (37)	86.56 (37)	92.34 (42)	88.60 (42)	93.99 (46)	90.64 (46)	-	-	10,490	1,518		
	Saskatchewan (number of estb.)	18 (56)	89.33 (42)	x	95.30 (46)	93.40 (46)	97.88 (50)	96.07 (50)	99.52 (54)	98.09 (54)	-	-	-	-	9,262	1,578		
	Alberta (number of estb.)	51 (111)	x (56)	x	x (64)	x	x (71)	x	x (76)	x	x (80)	x	x (110)	x	x	x	x	
	British Columbia, Northwest Terr. and Yukon (number of estb.)	35 (43)	74.42 (10)	69.44 (10)	86.94 (15)	83.27 (15)	91.84 (20)	88.52 (20)	95.33 (24)	92.15 (24)	97.37 (28)	94.38 (28)	-	-	19,824	2,422		
1110	Fish Products Industry, Canada (number of estb.)	301 (376)	36.64 (37)	29.25 (37)	54.07 (54)	48.46 (54)	61.85 (61)	55.25 (61)	67.68 (75)	61.39 (75)	70.36 (80)	63.21 (80)	85.78 (117)	81.41 (117)	90,532	17,163		
	Atlantic Region & Quebec (number of estb.)	245 (301)	40.40 (29)	36.89 (29)	55.66 (39)	50.35 (39)	62.83 (53)	57.66 (53)	66.56 (58)	60.02 (58)	71.39 (65)	66.46 (65)	87.04 (99)	84.63 (99)	56,953	12,969		
	Ontario & Prairie Region (number of estb.)	25 (25)	64.16 (4)	54.51 (4)	79.41 (8)	74.51 (8)	89.21 (12)	84.91 (12)	94.93 (16)	92.00 (16)	98.67 (20)	98.51 (20)	-	-	5,193	875		
	British Columbia (number of estb.)	37 (50)	80.25 (17)	78.21 (17)	87.21 (21)	83.18 (21)	93.91 (25)	93.58 (25)	95.58 (29)	95.26 (29)	97.98 (33)	97.40 (33)	-	-	28,386	3,319		
1120	Fruit & Vegetable Cannery & Preservers, Canada (number of estb.)	266 (313)	41.72 (23)	36.56 (23)	54.95 (38)	48.15 (38)	61.96 (44)	54.61 (44)	66.81 (50)	59.19 (50)	71.17 (57)	63.54 (57)	86.57 (95)	81.28 (95)	176,100	19,645		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Atlantic Region (number of estb.)	19 (21)	75.05 (6)	74.06	96.42 (10)	94.67	98.93 (14)	99.30	99.89 (18)	99.93	-	-	-	-	8,536	1,446		
	Quebec (number of estb.)	91 (96)	46.60 (7)	35.91	66.14 (13)	54.38	70.80 (17)	61.55	75.20 (21)	65.74	79.43 (25)	69.97	96.25 (55)	92.14	27,685	3,194		
	Ontario (number of estb.)	120 (142)	56.02 (16)	51.54	69.85 (21)	63.12	78.37 (29)	72.27	82.73 (33)	76.56	86.22 (38)	81.25	96.56 (72)	94.57	114,992	12,237		
	Prairie Region and British Columbia (number of estb.)	45 (54)	35.72 (7)	30.59	63.55 (13)	58.27	77.82 (19)	72.50	86.04 (25)	82.40	90.41 (29)	88.54	-	-	24,887	2,768		
1240	Flour Mills, Canada (number of estb.)	36 (51)	81.45 (18)	x	93.20 (23)	90.19	96.44 (27)	95.05	97.99 (31)	96.91	98.91 (35)	98.13	-	-	48,539	4,284		
	Atlantic Region, Quebec, and Ontario (number of estb.)	28 (33)	x (8)	x	x (13)	x	x (17)	x	x (21)	x	x (25)	x	x	-	x	x		
	Manitoba, Prairie Region and British Columbia (number of estb.)	12 (18)	x (10)	x	x (14)	x	x (18)	x	x	-	x	x	-	x	x	x		
1290	Bakeries, Canada (number of estb.)	2,375 (2,465)	32.15 (66)	28.97	43.71 (81)	38.52	49.19 (89)	43.68	53.33 (95)	47.56	55.33 (99)	49.47	63.61 (138)	57.81	225,904	33,082		
	Newfoundland (number of estb.)	19 (19)	74.39 (4)	72.63	93.33 (8)	94.13	96.78 (12)	98.04	99.11 (16)	100.00	-	-	-	-	2,144	307		

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added		
	Prince Edward Island (number of estb.)	8 (8)	x	x	x	x	-	-	-	-	-	-	-	-	x	x		
	Nova Scotia (number of estb.)	71 (72)	66.93 (5)	57.77 (5)	76.39 (9)	69.97 (9)	80.77 (13)	76.70 (13)	83.80 (17)	80.27 (17)	86.55 (21)	84.04 (21)	97.49 (51)	97.32 (51)	6,309	1,009		
	New Brunswick (number of estb.)	59 (61)	75.53 (6)	66.21 (6)	84.92 (10)	77.98 (10)	89.00 (14)	82.60 (14)	91.36 (18)	86.86 (18)	93.18 (22)	89.67 (22)	99.67 (52)	98.36 (52)	6,794	1,104		
	Quebec (number of estb.)	751 (755)	25.07 (4)	19.00 (4)	36.42 (10)	29.68 (10)	44.65 (14)	39.85 (14)	50.47 (18)	45.15 (18)	54.74 (24)	48.95 (24)	68.31 (54)	64.57 (54)	73,176	10,887		
	Ontario (number of estb.)	738 (766)	38.99 (21)	34.09 (21)	58.06 (32)	52.39 (32)	65.22 (40)	59.25 (40)	68.24 (44)	62.62 (44)	70.20 (48)	64.96 (48)	77.80 (78)	73.63 (78)	85,940	12,572		
	Manitoba (number of estb.)	151 (153)	56.12 (6)	50.22 (6)	65.86 (10)	62.36 (10)	71.39 (14)	69.55 (14)	75.13 (18)	74.69 (18)	77.68 (22)	77.39 (22)	87.54 (52)	88.37 (52)	10,257	1,557		
	Saskatchewan (number of estb.)	109 (116)	60.22 (11)	50.39 (11)	65.19 (15)	58.15 (15)	69.14 (19)	62.72 (19)	72.34 (23)	68.19 (23)	75.37 (27)	71.96 (27)	88.96 (57)	89.26 (57)	7,221	1,006		
	Alberta (number of estb.)	182 (192)	50.46 (9)	42.93 (9)	62.35 (16)	54.95 (16)	66.44 (20)	59.87 (20)	69.67 (24)	64.16 (24)	71.95 (28)	67.42 (28)	83.05 (59)	82.42 (59)	12,890	1,747		
	British Columbia, Northwest Terr. and Yukon (number of estb.)	317 (323)	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
1310	Confectionery Manufacturers, Canada (number of estb.)	173 (180)	45.73 (8)	46.25 (8)	69.12 (14)	65.02 (14)	77.52 (19)	71.09 (19)	82.98 (23)	78.27 (23)	86.59 (27)	83.02 (27)	95.73 (57)	92.65 (57)	91,629	10,796		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Atlantic Region (number of estb.)	12 (12)	x	x	x	x	x	x	-	-	-	-	-	-	x	x		
	Quebec (number of estb.)	63 (63)	69.05	58.84	83.71	77.06	87.94	81.13	91.97	86.11	94.85	91.80	99.72	99.05	24,978	2,952		
	Ontario (number of estb.)	63 (68)	67.52	60.00	85.02	79.77	91.16	89.14	93.93	91.36	96.33	93.56	99.86	98.61	58,507	6,264		
	Prairie Region (number of estb.)	16 (16)	x	x	x	x	x	x	x	x	-	-	-	-	x	x		
	British Columbia (number of estb.)	21 (21)	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
1392	Miscellaneous Food Mfrs., Canada (number of estb.)	240 (272)	35.46	21.72	51.08	33.72	60.64	42.67	67.63	48.51	71.95	51.67	87.41	73.25	219,233	13,253		
	Atlantic Region (number of estb.)	23 (24)	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
	Quebec (number of estb.)	80 (82)	60.38	34.36	77.72	49.33	83.37	61.59	86.46	69.12	89.28	75.93	98.89	96.64	65,691	3,760		
	Ontario (number of estb.)	96 (102)	42.88	28.58	57.41	40.83	67.87	49.14	75.23	57.02	80.48	64.52	97.06	88.13	115,428	6,808		
	Prairie Region (number of estb.)	30 (31)	x	x	x	x	x	x	x	x	x	x	-	-	x	x		

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	British Columbia (number of estb.)	31 (33)	54.55 (5)	39.57	87.32 (10)	74.59	93.96 (14)	85.22	97.05 (18)	93.01	98.77 (22)	96.55	-	-	16,843	988		
1410	Soft Drink Manufacturers, Canada (number of estb.)	410 (470)	44.27 (42)	39.51	52.15 (51)	46.43	56.45 (60)	50.00	59.82 (64)	52.87	62.42 (72)	55.13	71.89 (105)	65.07	145,152	13,629		
	Atlantic Region (number of estb.)	50 (59)	41.02 (11)	32.91	53.41 (17)	45.20	63.68 (21)	57.05	71.71 (25)	64.28	78.73 (29)	72.69	100.00 (59)	100.00	10,479	1,106		
	Quebec (number of estb.)	164 (169)	48.55 (6)	37.45	58.92 (13)	48.85	64.34 (17)	53.82	67.79 (21)	58.36	70.96 (25)	61.47	85.36 (55)	78.79	56,933	5,150		
	Ontario (number of estb.)	121 (146)	52.85 (20)	53.59	68.93 (29)	66.51	73.30 (34)	70.22	76.41 (40)	73.08	78.86 (44)	75.47	92.19 (75)	89.79	50,396	4,937		
	Manitoba (number of estb.)	14 (16)	80.73 (5)	x	93.27 (10)	89.64	x (14)	x	-	-	-	-	-	-	6,152	657		
	Saskatchewan (number of estb.)	22 (23)	44.67 (5)	33.71	68.59 (9)	56.81	84.28 (13)	x	92.21 (17)	91.45	x (21)	x	-	-	4,085	433		
	Alberta (number of estb.)	22 (23)	60.76 (5)	50.55	79.77 (9)	72.08	88.82 (13)	84.84	94.71 (17)	92.82	x (21)	x	-	-	6,487	627		
	British Columbia, Northwest Terr. and Yukon (number of estb.)	34 (34)	58.00 (4)	45.34	73.09 (8)	61.19	82.66 (12)	70.93	88.83 (16)	81.64	93.17 (20)	88.17	-	-	8,620	719		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total		
			Largest Enterprises Accounted For														
			% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	% Value Added	% Empl. No.	Value Added \$'000	Empl. No.
1450	Breweries, Canada (number of estb.)	11 (52)	95.30 (41)	x	99.63 (49)	98.97	-	-	-	-	-	-	-	-	-	213,551	9,471
	Atlantic Region, Quebec and Ontario (number of estb.)	9 (27)	94.79 (18)	x	x (26)		-	-	-	-	-	-	-	-	-	163,692	7,102
	Manitoba, Prairie Region and British Columbia (number of estb.)	5 (25)	x (24)	x	-	-	-	-	-	-	-	-	-	-	-	49,859	2,369
2210	Canvas Products Industry, Canada (number of estb.)	143 (144)	31.40 (5)	29.44	42.94 (9)	42.72	50.53 (13)	52.89	58.03 (17)	58.98	63.49 (21)	63.36	x (51)	x	10,950	1,987	
	Atlantic Region, Quebec and Ontario (number of estb.)	107 (108)	x (5)	x	x (9)	x	x (13)	x	x (17)	x	x (21)	x	x (51)	x	x	x	x
	Manitoba, Prairie Region and British Columbia (number of estb.)	36 (36)	x (4)	x	x (8)	x	x (12)	x	x (16)	x	x (20)	x	-	-	x	x	
2230	Cotton & Jute Bag Industry, Canada (number of estb.)	26 (31)	51.33 (9)	51.80	73.66 (13)	70.30	86.46 (17)	81.96	92.53 (21)	90.19	96.63 (25)	96.11	-	-	7,568	1,081	
	Atlantic Region, Quebec and Ontario (number of estb.)	23 (24)	x (5)	x	x (9)	x	x (13)	x	x (17)	x	x (21)	x	-	-	x	x	
	Manitoba, Prairie Region and British Columbia (number of estb.)	5 (7)	x (6)	x	-	-	-	-	-	-	-	-	-	-	x	x	

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total	
			Largest Enterprises Accounted For													
			% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	Value Added $'000	Empl. No.
2513	Sawmills & Planing Mills, Canada (number of estb.)	2,467 (2,559)	14.02 (14)	11.90	23.14 (33)	19.55	26.73 (41)	22.16	30.18 (50)	25.13	32.29 (61)	26.80	44.68 (119)	39.02	384,484	50,848
	Atlantic Region, Quebec and Ontario (number of estb.)	1,528 (1,554)	7.53 (7)	5.51	12.95 (15)	10.01	16.75 (20)	11.98	20.24 (24)	15.17	22.78 (28)	17.65	38.32 (59)	33.06	124,113	19,648
	Manitoba, Prairie Region and British Columbia (number of estb.)	942 (1,005)	20.70 (14)	19.39	33.42 (30)	31.24	38.76 (34)	35.56	42.89 (48)	39.33	45.99 (61)	42.42	62.15 (110)	59.69	260,371	31,200
2520 ^b	Veneer & Plywood Mills, Canada (number of estb.)	70 (83)	44.99 (11)	39.36	61.33 (18)	53.48	70.85 (23)	62.54	77.68 (27)	70.69	82.89 (31)	77.48	98.34 (63)	96.83	101,155	14,265
	Atlantic Region, Quebec and Ontario (number of estb.)	48 (53)	x (7)	x	x (11)	x	x (15)	x	x (19)	x	x (24)	x	- (-)	-	x	x
	Manitoba, Prairie Region and British Columbia (number of estb.)	24 (30)	x (9)	x	x (14)	x	x (18)	x	x (22)	x	x (26)	x	- (-)	-	x	x
2541	Sash, Door & Other Millwork Plants, Canada (number of estb.)	980 (987)	8.32 (4)	6.85	13.47 (11)	12.08	18.58 (15)	16.15	22.34 (19)	18.78	25.73 (23)	20.95	44.65 (56)	37.40	83,990	12,553
	Atlantic Region (number of estb.)	80 (80)	36.36 (4)	29.96	57.84 (8)	49.09	71.66 (12)	66.71	78.27 (16)	77.56	81.64 (20)	82.53	97.54 (50)	99.39	3,176	664
	Quebec (number of estb.)	428 (429)	18.46 (4)	15.44	27.31 (8)	24.61	35.19 (12)	30.95	41.26 (16)	36.98	45.47 (20)	40.86	66.13 (50)	63.53	25,457	4,067

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.				
	Ontario (number of estb.)	232 (237)	20.23 (5)	23.02	30.82 (13)	31.35	38.30 (17)	37.32	48.43 (21)	44.02	55.76 (25)	50.25	80.44 (55)	77.70	27,141	4,000		
	Prairie Region and British Columbia (number of estb.)	241 (241)	19.11 (4)	13.31	29.66 (8)	20.32	38.33 (12)	27.49	43.84 (16)	33.01	48.00 (20)	39.48	73.33 (50)	66.32	28,215	3,822		
2560	Wooden Box Factories, Canada (number of estb.)	156 (160)	47.54 (5)	35.79	61.83 (10)	51.71	70.76 (15)	62.38	75.84 (20)	70.01	79.41 (24)	73.97	91.44 (54)	90.48	19,195	3,028		
	Atlantic Region (number of estb.)	20 (20)	x (4)	x	x (8)	x	x (12)	x	x (16)	x	x (20)	x	--	--	x	x		
	Quebec (number of estb.)	41 (41)	63.97 (4)	60.09	79.42 (8)	80.57	86.53 (12)	87.04	90.48 (16)	92.16	93.87 (20)	95.18	--	--	3,625	664		
	Ontario (number of estb.)	64 (67)	63.61 (5)	52.70	79.00 (10)	71.89	85.90 (15)	82.51	89.84 (19)	86.33	92.91 (23)	90.45	99.60 (53)	100.00	13,301	1,939		
	Prairie Region and British Columbia (number of estb.)	32 (32)	x (4)	x	x (8)	x	x (12)	x	x (16)	x	x (20)	x	--	--	x	x		
2580	Coffin & Casket Industry, Canada (number of estb.)	47 (56)	50.01 (13)	48.33	63.85 (17)	60.57	72.86 (21)	69.47	80.15 (25)	77.81	86.15 (29)	83.86	--	--	7,572	1,438		
	Atlantic Region (number of estb.)	5 (5)	x (4)	x	--	--	--	--	--	--	--	--	--	--	331	92		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total	
			Largest Enterprises Accounted For													
			% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	Value Added $'000	Empl. No.
	Quebec (number of estb.)	21 (21)	66.91 (4)	63.23	86.97 (8)	x	96.87 (12)	96.98	99.66 (16)	100.00	x (20)	x	--	--	3,301	563
	Ontario (number of estb.)	15 (17)	55.42 (6)	52.93	76.73 (10)	73.36	94.73 (14)	92.79	--	--	--	--	--	--	2,961	597
	Prairie Region (number of estb.)	6 (9)	x (7)	x	--	--	--	--	--	--	--	--	--	--	622	113
	British Columbia (number of estb.)	4 (4)	100.00 (4)	100.00	--	--	--	--	--	--	--	--	--	--	357	73
2733	Paper & Plastic Bag Mfrs., Canada (number of estb.)	56 (74)	43.33 (15)	41.38	68.02 (24)	63.88	78.84 (30)	76.84	85.25 (34)	83.20	88.76 (38)	87.04	99.74 (68)	99.45	41,883	4,954
	Atlantic Region, Quebec and Ontario (number of estb.)	48 (57)	x (10)	x	x (16)	x	x (21)	x	x (25)	x	x (29)	x	--	--	x	x
	Manitoba, Prairie Region and British Columbia (number of estb.)	14 (17)	70.86 (6)	59.64	91.76 (11)	90.35	99.83 (15)	99.59	--	--	--	--	--	--	7,250	736
2850	Commercial Printing, Publishing Only, Publishing & Printing, Canada (number of estb.)	3,050 (3,127)	14.42 (17)	11.55	23.02 (26)	18.57	28.83 (44)	24.17	33.77 (48)	27.80	38.04 (68)	31.42	53.55 (110)	44.93	682,945	72,815
	Atlantic Region & Quebec (number of estb.)	1,046 (1,050)	23.35 (4)	17.18	36.43 (8)	27.62	42.09 (15)	32.13	47.10 (19)	35.83	50.30 (23)	39.21	64.84 (53)	54.86	210,442	22,752

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Ontario (number of estb.)	1,283 (1,307)	20.61 (6)	17.39	31.97 (13)	26.33	38.95 (26)	33.18	44.02 (34)	38.22	48.20 (38)	42.32	63.62 (69)	57.71	353,719	37,173		
	Prairie Region (number of estb.)	471 (436)	35.91 (8)	27.56	48.57 (15)	39.48	54.85 (21)	46.83	59.42 (27)	51.46	62.35 (32)	54.94	76.26 (63)	70.79	70,284	8,068		
	British Columbia, Northwest Territories and Yukon (number of estb.)	276 (284)	58.35 (10)	45.54	67.00 (14)	54.81	70.94 (18)	58.66	73.71 (22)	62.09	75.97 (27)	65.53	85.38 (57)	x	48,500	4,822		
2870	Platemaking, Typesetting & Trade Bindery Plants, Canada (number of estb.)	330 (338)	24.42 (11)	21.02	34.10 (15)	28.94	40.45 (19)	34.29	45.60 (23)	39.32	49.64 (27)	43.81	68.15 (57)	63.69	51,785	5,922		
	Atlantic Region & Quebec (number of estb.)	109 (109)	33.28 (4)	28.18	49.23 (8)	43.11	58.87 (12)	54.61	65.62 (16)	61.02	70.89 (20)	66.06	91.24 (50)	91.23	17,185	2,122		
	Ontario (number of estb.)	158 (163)	31.78 (9)	28.19	46.34 (13)	39.61	53.50 (17)	47.59	59.13 (21)	53.22	64.09 (25)	58.62	84.25 (55)	82.64	29,701	3,181		
	Prairie Region (number of estb.)	40 (40)	41.83 (4)	42.33	60.28 (8)	61.83	72.14 (12)	x	81.66 (16)	85.51	87.72 (20)	92.47	-	-	2,689	359		
	British Columbia (number of estb.)	25 (26)	49.36 (4)	50.38	70.99 (9)	69.23	83.21 (13)	82.69	90.22 (17)	89.61	95.92 (21)	95.76	-	-	2,210	260		
2940	Iron Foundries, Canada (number of estb.)	128 (137)	40.34 (8)	34.30	56.62 (15)	50.81	65.05 (20)	60.50	71.75 (25)	66.57	76.90 (29)	70.89	92.20 (59)	88.81	93,622	11,714		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added		
	Atlantic Region & Quebec (number of estb.)	46 (47)	x (5)	x (5)	x (9)	x (9)	x (13)	x (13)	x (17)	x (17)	x (21)	x (21)	-	-	x	x		
	Ontario (number of estb.)	57 (61)	43.42 (7)	39.35 (7)	64.20 (11)	62.08 (11)	73.59 (16)	72.34 (16)	82.50 (20)	80.97 (20)	87.18 (24)	85.28 (24)	99.81 (54)	99.85 (54)	66,638	8,533		
	Prairie Region & British Columbia (number of estb.)	27 (29)	x (6)	x (6)	x (10)	x (10)	x (14)	x (14)	x (18)	x (18)	x (22)	x (22)	-	-	x	x		
3020	Fabricated Structural Metal Ind., Canada (number of estb.)	75 (97)	48.28 (22)	51.15 (22)	64.76 (27)	63.75 (27)	75.66 (33)	74.09 (33)	81.30 (37)	79.75 (37)	86.27 (41)	84.03 (41)	98.26 (72)	97.48 (72)	187,359	18,072		
	Atlantic Region & Quebec (number of estb.)	21 (23)	70.20 (6)	70.97 (6)	87.56 (10)	86.22 (10)	94.63 (14)	94.94 (14)	98.86 (18)	98.63 (18)	99.93 (22)	99.94 (22)	-	-	49,025	5,437		
	Ontario (number of estb.)	39 (43)	36.50 (7)	34.69 (7)	65.26 (12)	60.08 (12)	84.89 (16)	82.72 (16)	92.23 (20)	89.25 (20)	95.50 (24)	93.81 (24)	-	-	94,599	8,104		
	Prairie Region and British Columbia (number estb.)	22 (31)	81.33 (13)	80.20 (13)	89.92 (17)	89.64 (17)	95.77 (21)	94.87 (21)	98.31 (25)	97.85 (25)	99.68 (29)	99.73 (29)	-	-	43,734	4,531		
3080	Machine Shops, Canada (number of estb.)	954 (957)	7.39 (5)	5.76 (5)	11.53 (9)	9.59 (9)	15.82 (14)	13.19 (14)	18.69 (18)	15.79 (18)	20.94 (22)	17.66 (22)	35.20 (52)	32.07 (52)	90,420	11,618		
	Atlantic Region (number of estb.)	51 (51)	42.75 (4)	41.06 (4)	56.75 (8)	57.98 (8)	71.17 (12)	70.94 (12)	81.21 (16)	80.49 (16)	86.49 (20)	85.67 (20)	x (50)	x (50)	4,659	733		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total	
			Largest Enterprises Accounted For													
			% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	Value Added $'000	Empl. No.
	Quebec (number of estb.)	222 (223)	19.34 (4)	17.07	32.02 (8)	28.21	40.05 (12)	35.85	45.94 (16)	42.07	51.33 (21)	47.83	73.90 (51)	71.78	23,562	3,140
	Ontario (number of estb.)	391 (392)	7.95 (5)	7.52	14.03 (9)	12.46	18.74 (13)	17.56	23.89 (17)	22.56	27.66 (21)	26.03	49.13 (51)	46.53	33,069	4,117
	Manitoba (number of estb.)	44 (44)	52.21 (4)	42.75	66.82 (8)	61.20	79.11 (12)	76.72	84.82 (16)	83.10	89.13 (20)	89.31	- -	- -	4,428	580
	Saskatchewan (number of estb.)	30 (30)	55.71 (4)	51.04	70.90 (8)	74.47	81.75 (12)	83.85	89.87 (16)	92.70	95.00 (20)	97.39	- -	- -	1,540	192
	Alberta (number of estb.)	75 (76)	52.24 (5)	43.33	63.19 (9)	54.30	69.68 (13)	61.12	75.85 (17)	67.79	80.13 (21)	74.45	96.25 (51)	95.02	10,855	1,186
	British Columbia (number of estb.)	141 (141)	18.92 (4)	18.56	32.45 (8)	31.19	40.17 (12)	39.10	46.62 (16)	44.31	50.97 (20)	50.77	78.60 (50)	77.66	12,308	1,670
3240	Truck Body & Trailer Mfrs., Canada (number of estb.)	155 (160)	34.47 (7)	30.67	48.02 (13)	46.88	58.78 (17)	55.89	64.81 (21)	62.26	69.82 (25)	66.45	85.80 (55)	84.24	43,890	5,432
	Atlantic Region & Quebec (number of estb.)	41 (41)	x (4)	x	x (8)	x	x (12)	x	x (16)	x	x (20)	x	- -	- -	x	x
	Ontario (number of estb.)	56 (58)	47.13 (6)	43.59	65.61 (10)	66.48	77.88 (14)	76.70	85.34 (18)	83.61	88.83 (22)	87.58	99.71 (52)	99.59	29,360	3,473
	Prairie Region (number of estb.)	43 (43)	x (4)	x	x (8)	x	x (12)	x	x (16)	x	x (20)	x	- -	- -	x	x

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	British Columbia (number of estb.)	18 (18)	57.72 (4)	54.60 (4)	81.29 (8)	81.58 (8)	93.55 (12)	93.30 (12)	x (16)	x (16)	- (20)	- (20)	- (50)	- (50)	3,924	478		
3280	Boatbuilding & Repair, Canada (number of estb.)	242 (242)	18.55 (4)	16.57 (4)	31.00 (8)	26.70 (8)	40.42 (12)	36.62 (12)	47.72 (16)	42.32 (16)	53.26 (20)	50.69 (20)	73.61 (50)	71.26 (50)	13,077	1,876		
	Atlantic Region (number of estb.)	58 (58)	x (4)	x (4)	x (8)	x (8)	x (12)	x (12)	x (16)	x (16)	x (20)	x (20)	x (50)	x (50)	x	x		
	Quebec (number of estb.)	27 (27)	73.81 (4)	62.82 (4)	87.85 (8)	x (8)	92.60 (12)	92.30 (12)	95.82 (16)	97.00 (16)	97.88 (20)	97.86 (20)	- (50)	- (50)	1,894	234		
	Ontario & Prairie Region (number of estb.)	79 (79)	x (4)	x (4)	x (8)	x (8)	x (12)	x (12)	x (16)	x (16)	x (20)	x (20)	x (50)	x (50)	x	x		
	British Columbia (number of estb.)	78 (78)	33.77 (4)	24.59 (4)	50.07 (8)	45.52 (8)	59.58 (12)	56.70 (12)	66.69 (16)	65.44 (16)	73.48 (20)	72.76 (20)	94.15 (50)	95.73 (50)	4,036	492		
3475	Concrete Products Mfrs., Ready-Mix Concrete Mfrs., Canada (number of estb.)	738 (825)	20.63 (30)	17.19 (30)	28.77 (55)	23.54 (55)	34.94 (61)	28.94 (61)	41.23 (70)	34.86 (70)	44.15 (74)	37.72 (74)	63.01 (119)	56.79 (119)	187,216	17,547		
	Newfoundland (number of estb.)	6 (6)	x (4)	x (4)	- (8)	- (8)	- (12)	- (12)	- (16)	- (16)	- (20)	- (20)	- (50)	- (50)	x	x		
	Prince Edward Island (number of estb.)	3 (3)	- (4)	- (4)	- (8)	- (8)	- (12)	- (12)	- (16)	- (16)	- (20)	- (20)	- (50)	- (50)	97	11		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added	% Value Added	% Empl. Added		
	Nova Scotia (number of estb.)	20 (22)	59.01 (6)	55.40 (6)	86.03 (10)	x	95.52 (14)	92.34 (14)	98.81 (18)	99.54 (18)	100.00 (22)	100.00 (22)	-	-	2,191	222		
	New Brunswick (number of estb.)	21 (21)	65.33 (4)	62.71 (4)	85.73 (8)	80.48 (8)	93.41 (12)	93.72 (12)	98.82 (16)	98.25 (16)	x (20)	x (20)	-	-	2,628	287		
	Quebec (number of estb.)	236 (239)	33.84 (6)	23.24 (6)	52.34 (11)	44.64 (11)	60.16 (15)	52.71 (15)	65.17 (19)	57.93 (19)	68.75 (23)	60.65 (23)	84.03 (53)	76.28 (53)	59,212	5,342		
	Ontario (number of estb.)	260 (299)	29.62 (29)	28.49 (29)	41.87 (34)	40.19 (34)	48.85 (44)	46.49 (44)	54.13 (49)	51.64 (49)	60.78 (53)	58.72 (53)	78.50 (87)	74.31 (87)	80,789	7,714		
	Manitoba (number of estb.)	28 (30)	x (6)	x (6)	x (10)	x (10)	x (14)	x (14)	x (18)	x (18)	x (22)	x (22)	-	-	x	x		
	Saskatchewan (number of estb.)	33 (35)	57.72 (6)	40.34 (6)	73.36 (10)	58.30 (10)	81.87 (14)	70.84 (14)	87.02 (18)	76.44 (18)	91.51 (22)	84.16 (22)	-	-	6,236	518		
	Alberta (number of estb.)	65 (81)	57.36 (12)	44.15 (12)	69.48 (22)	58.00 (22)	77.59 (27)	72.69 (27)	83.89 (32)	79.07 (32)	86.71 (36)	83.23 (36)	98.19 (66)	97.00 (66)	14,808	1,300		
	British Columbia, Northwest Territories and Yukon (number of estb.)	78 (89)	x (13)	x (13)	x (17)	x (17)	x (21)	x (21)	x (26)	x (26)	x (31)	x (31)	x (61)	x (61)	x	x		
3511	Clay Products - domestic clays, Canada (number of estb.)	73 (83)	43.42 (9)	37.84 (9)	62.56 (15)	53.35 (15)	71.17 (20)	62.54 (20)	77.17 (25)	68.93 (25)	82.46 (30)	75.35 (30)	97.92 (60)	96.47 (60)	31,095	3,522		
	Atlantic Region & Quebec (number of estb.)	13 (16)	x (7)	x (7)	x (11)	x (11)	x (15)	x (15)	-	-	-	-	-	-	x	x		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Ontario (number of estb.)	49 (52)	53.82 (5)	39.85	69.85 (10)	54.82	79.19 (15)	67.86	84.76 (19)	75.48	89.46 (23)	80.95	-	-	18,350	1,917		
	Prairie Region & British Columbia (number of estb.)	12 (15)	x	x	x	x	x	x	-	-	-	-	-	-	x	x		
3530	Stone Products Mfrs., Canada (number of estb.)	114 (114)	22.26 (4)	22.86	35.69 (8)	36.50	45.03 (12)	45.73	52.19 (16)	52.91	x	x	83.59 (50)	85.56	8,506	1,115		
	Atlantic Region (number of estb.)	12 (12)	66.82 (4)	59.16	93.05 (8)	92.50	100.00 (12)	100.00	-	-	-	-	-	-	850	120		
	Quebec (number of estb.)	47 (47)	50.14 (4)	51.35	65.69 (8)	68.41	78.30 (12)	x	83.12 (16)	86.04	86.52 (20)	89.53	-	-	3,793	516		
	Ontario (number of estb.)	37 (37)	35.29 (4)	37.36	55.69 (8)	58.94	70.39 (12)	71.84	78.01 (16)	80.00	85.41 (20)	87.10	-	-	3,216	380		
	Prairie Region (number of estb.)	10 (10)	66.95 (4)	75.00	93.50 (8)	98.33	-	-	-	-	-	-	-	-	354	60		
	British Columbia (number of estb.)	8 (8)	80.95 (4)	x	100.00 (8)	100.00	-	-	-	-	-	-	-	-	294	39		
3650	Petroleum Refineries, Canada (number of estb.)	25 57	83.44 (31)	x	95.27 (37)	92.11	98.62 (42)	97.20	99.64 (48)	99.07	99.93 (52)	99.77	-	-	257,587	9,384		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.				
	Atlantic Region & Quebec (number of estb.)	9 (12)	x	x	x	x	-	-	-	-	-	-	-	-	x	x		
	Ontario (number of estb.)	14 (17)	87.98	x	98.76	97.54	x	x	-	-	-	-	-	-	86,709	3,093		
	Prairie Region (number of estb.)	10 (19)	86.48	82.69	99.83	99.45	-	-	-	-	-	-	-	-	57,522	2,196		
	British Columbia, Northwest Territories and Yukon (number of estb.)	7 (9)	x	x	-	-	-	-	-	-	-	-	-	-	23,548	948		
3720	Mfrs. of Mixed Fertilizers, Canada (number of estb.)	40 (68)	60.57	54.92	78.66	73.17	84.95	81.04	93.14	91.00	95.65	92.37	-	-	21,271	1,968		
	Atlantic Region & Quebec (number of estb.)	14 (21)	75.20	75.23	92.97	87.93	x	x	-	-	-	-	-	-	7,531	630		
	Ontario (number of estb.)	23 (39)	64.62	56.61	81.68	80.48	96.42	93.87	98.75	97.17	99.83	98.95	-	-	13,052	1,240		
	Prairie Region & British Columbia (number of estb.)	8 (8)	97.23	96.93	100.00	100.00	-	-	-	-	-	-	-	-	688	98		
3750	Paint & Varnish Mfrs., Canada (number of estb.)	130 (150)	47.87	47.32	61.32	56.74	69.53	64.05	77.04	72.45	81.38	77.81	94.82	92.82	93,998	7,824		

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Added	% Empl.	% Added	% Empl.	% Added	% Empl.	% Added	% Empl.	% Added	% Empl.	% Added	% Empl.	% Added	% Empl.		
	Atlantic Region and Quebec (number of estb.)	41 (42)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
			(5)		(9)		(13)		(17)		(21)		-	-				
	Ontario (number of estb.)	74 (77)	48.35	38.66	63.71	52.48	76.24	66.64	83.59	77.15	88.38	83.52	98.84	98.24	55,451	3,988		
			(6)		(11)		(15)		(19)		(23)		(53)					
	Prairie Region and British Columbia (number of estb.)	27 (31)	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
			(7)		(12)		(16)		(20)		(24)		-	-				
3830	Broom, Brush and Mop Industry, Canada (number of estb.)	85 (88)	52.37	49.29	68.00	63.32	77.16	73.70	83.02	78.84	87.84	84.26	98.06	98.47	18,057	2,822		
			(5)		(9)		(15)		(19)		(23)		(53)					
	Atlantic Region & Quebec (number of estb.)	34 (34)	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
			(4)		(8)		(12)		(16)		(20)		-	-				
	Ontario (number of estb.)	36 (36)	61.49	59.41	81.85	78.13	90.41	88.55	95.82	95.24	98.15	98.16	-	-	11,924	1,747		
			(4)		(8)		(12)		(16)		(20)		-	-				
	Prairie Region and British Columbia (number of estb.)	18 (18)	x	x	x	x	x	x	x	x	-	-	-	-	x	x		
			(4)		(8)		(12)		(16)		-	-	-	-				
3970	Signs & Displays Ind., Canada (number of estb.)	391 (399)	22.41	26.61	29.76	31.92	37.50	38.37	42.75	43.82	47.07	47.22	64.45	65.03	32,857	4,805		
			(11)		(15)		(19)		(23)		(27)		(58)					
	Atlantic Region (number of estb.)	19 (19)	x	x	x	x	x	x	x	x	-	-	-	-	x	x		
			(4)		(8)		(12)		(16)		-	-	-	-				

**SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ENTERPRISES
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965**

TABLE A-6

S.I.C. No.	INDUSTRY AND REGION	Total No. of Enter- prises (and estb.)	4		8		12		16		20		50		Total			
			Largest Enterprises Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Quebec (number of estb.)	82 (82)	23.38 (4)	21.75	39.22 (8)	38.31	51.20 (12)	53.39	61.03 (16)	64.02	69.12 (20)	71.94	93.21 (50)	95.05	5,662	809		
	Ontario (number of estb.)	185 (185)	21.06 (4)	18.73	34.44 (8)	30.00	46.30 (12)	41.04	55.48 (16)	49.52	60.69 (20)	62.79	82.02 (50)	83.33	19,030	2,653		
	Manitoba and Saskatchewan (number of estb.)	22 (23)	71.10 (5)	x	85.33 (9)	88.26	93.17 (13)	95.89	97.31 (17)	98.82	x (21)	x	-	-	1,862	341		
	Alberta (number of estb.)	40 (41)	51.39 (5)	50.00	64.89 (9)	70.27	76.52 (13)	82.09	83.21 (17)	89.86	88.26 (21)	94.59	-	-	1,823	296		
	British Columbia (number of estb.)	48 (49)	65.68 (5)	64.27	78.68 (9)	78.80	86.05 (13)	87.91	89.77 (17)	91.41	92.26 (21)	93.69	-	-	3,608	571		

EXPLANATION OF FOOTNOTES

- b** Enterprises ranked or measured by Value Added
- Not Applicable
- x** Withheld to avoid disclosing figures for individual enterprise

INDEXES OF ESTABLISHMENT CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965

TABLE A-7

S.I.C. No.	INDUSTRY	Total Number of Estab- lishments	Per cent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Establishments Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Establishments								
1010	Slaughtering and Meat Processors, Canada	399	x	x	43.80	50.04	55.52	79.27	1,438.74	x	52.62
	Atlantic Region	26	x	x	x	x	x	-	39.02	x	5.24
	Quebec	129	39.88	55.49	65.56	71.59	76.59	92.47	286.31	23.34	20.95
	Ontario	134	52.04	x	x	x	83.77	96.71	548.38	16.65	14.40
	Manitoba	25	88.97	95.30	97.98	99.26	99.80	-	144.64	x	2.80
	Saskatchewan	15	x	x	99.84	-	-	-	67.04	3.68	3.11
	Alberta	33	54.29	84.64	97.69	x	x	-	278.64	x	6.09
	British Columbia	37	74.68	88.18	93.14	95.71	97.63	-	74.72	x	6.83
1030	Poultry Processors, Canada	150	19.55	31.31	41.29	50.50	56.47	85.20	192.58	42.16	52.66
	Atlantic Region	16	80.00	96.70	99.26	100.00	-	-	8.36	4.00	5.17
	Quebec	33	46.06	67.38	81.84	91.08	96.64	-	67.96	x	14.22
	Ontario	56	34.54	61.49	x	x	x	x	72.19	x	17.66
	Prairie Region	28	37.88	61.20	77.35	88.82	95.44	-	27.21	x	13.81
	British Columbia	17	87.13	95.14	98.80	x	-	-	10.86	x	3.63
1060	Dairy Factories & Process Cheese Mfrs., Canada	1,421	10.43	14.76	18.30	21.34	23.98	38.77	1,061.71	364.10	357.85
	Newfoundland and Prince Edward Island	27	61.71	x	x	x	x	-	12.11	8.43	9.69
	Nova Scotia	37	46.79	64.58	76.21	83.93	89.01	-	25.40	x	14.72

INDEXES OF ESTABLISHMENT CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965

TABLE A-7

S.I.C. No.	INDUSTRY	Total Number of Estab- lishments	Per cent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Establishments Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Establishments								
	New Brunswick	47	39.08	60.32	x	x	x	-	18.81	x	13.25
	Quebec	454	x	x	x	x	x	x	x	93.32	97.49
	Ontario	578	x	x	x	x	x	x	x	151.81	174.16
	Manitoba	68	41.14	55.84	64.78	71.41	76.13	94.79	40.12	23.98	21.51
	Saskatchewan	56	34.28	50.34	60.67	67.13	72.84	97.78	35.11	25.78	22.50
	Alberta	111	x	x	x	x	x	x	x	29.76	23.15
	British Columbia, Northwest Terr. and Yukon	43	56.25	76.21	84.92	90.63	94.33	-	66.49	9.51	10.77
1110	Fish Products Industry, Canada	376	16.06	24.12	30.76	35.89	40.38	63.76	269.30	85.97	89.21
	Atlantic Region and Quebec	301	15.56	24.66	32.00	38.38	43.60	69.97	165.88	71.71	70.75
	Ontario and Prairie Region	25	66.08	82.98	91.78	96.57	98.85	-	13.59	x	8.79
	British Columbia	50	45.88	x	72.60	80.35	87.07	100.00	89.83	x	13.89
1120	Fruit and Vegetable Canners and Preserves, Canada	313	24.09	32.65	39.79	45.86	50.72	73.33	435.75	65.26	78.00
	Atlantic Region	21	71.76	91.69	98.08	99.59	x	-	23.17	x	4.66
	Quebec	96	38.36	56.08	64.86	x	x	94.85	69.21	25.34	30.32
	Ontario	142	37.53	49.51	59.09	66.14	71.31	92.09	277.35	28.29	33.96
	Prairie Region and British Columbia	54	35.24	56.37	68.54	76.73	82.54	99.93	66.02	18.13	18.34
1240	Flour Mills, Canada	51	38.65	58.39	72.76	81.47	87.90	x	244.48	15.50	26.08

**INDEXES OF ESTABLISHMENT CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-7

S.I.C. No.	INDUSTRY	Total Number of Estab- lishments	Per cent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Establishments Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Establishments								
	Atlantic Region, Quebec and Ontario	33	x	x	x	x	x	-	x	7.20	x
	Prairie Region and British Columbia	18	53.37	78.47	95.09	99.97	-	-	95.80	8.29	9.85
1290	Bakeries, Canada	2,465	11.15	17.65	23.06	27.38	30.79	47.86	444.05	391.62	486.86
	Newfoundland	19	74.01	92.95	96.64	98.98	-	-	4.53	x	5.08
	Prince Edward Island	8	x	x	-	-	-	-	x	4.10	3.80
	Nova Scotia	72	x	x	x	x	x	x	12.97	11.75	15.90
	New Brunswick	61	x	x	87.72	90.57	92.65	99.56	14.58	x	11.81
	Quebec	755	24.09	34.96	x	48.98	53.24	67.22	145.12	130.14	144.80
	Ontario	766	24.24	38.83	47.72	53.41	57.44	72.49	172.12	88.76	113.21
	Manitoba	153	50.86	x	68.34	72.92	75.74	86.28	19.45	29.19	25.30
	Saskatchewan	116	x	54.83	x	64.53	68.15	84.77	12.81	38.67	35.12
	Alberta	192	35.81	50.54	58.57	62.92	66.41	80.02	23.98	x	49.93
	British Columbia, Northwest Terr. and Yukon	323	x	x	x	x	x	x	x	83.24	80.13
1310	Confectionery Manufacturers, Canada	180	33.96	51.28	63.91	72.01	77.55	94.03	187.57	22.64	25.24
	Atlantic Region	12	x	x	x	-	-	-	-	x	x
	Quebec	63	68.33	82.29	87.96	91.72	94.25	99.72	52.65	x	10.01
	Ontario	68	48.88	69.59	79.90	x	x	99.78	117.82	x	12.27

INDEXES OF ESTABLISHMENT CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965

TABLE A-7

S.I.C. No.	INDUSTRY	Total Number of Estab- lishments	Per cent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Establishments Accounting For -	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Establishments								
	Prairie Region	16	x	x	x	x	-	-	x	3.00	6.49
	British Columbia	21	x	x	x	x	x	-	x	6.07	8.85
1392	Miscellaneous Food Manufacturers, Canada	272	22.65	34.30	42.52	48.12	53.02	77.65	565.17	54.72	92.04
	Atlantic Region	24	x	x	x	x	x	-	x	6.93	8.21
	Quebec	82	55.96	x	79.50	84.04	87.79	98.81	165.51	x	22.16
	Ontario	102	33.96	49.16	59.20	67.41	74.13	95.07	276.99	24.64	35.77
	Prairie Region	31	x	x	x	x	x	-	x	6.29	7.48
	British Columbia	33	x	84.04	x	x	x	-	59.81	7.20	11.18
1410	Soft Drink Manufacturers, Canada	470	15.38	24.20	30.09	34.87	39.02	55.98	225.70	157.30	175.90
	Atlantic Region	59	21.44	35.64	47.28	56.56	64.44	97.05	17.53	29.65	33.80
	Quebec	169	35.89	49.42	56.18	60.60	64.21	80.93	86.49	47.65	54.00
	Ontario	146	29.48	44.68	52.71	58.57	63.13	82.33	80.23	45.41	50.03
	Manitoba	16	x	89.65	96.31	100.00	-	-	9.56	x	5.43
	Saskatchewan	23	x	x	x	x	97.11	-	7.03	x	13.29
	Alberta	23	x	x	x	x	98.08	-	10.48	x	10.82
	British Columbia, Northwest Terr. and Yukon	34	57.37	72.33	81.91	88.40	92.97	-	14.39	x	14.76
1450	Breweries, Canada	52	35.18	55.99	66.01	75.39	82.93	99.88	298.44	18.41	23.84

**INDEXES OF ESTABLISHMENT CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-7

S.I.C. No.	INDUSTRY	Total Number of Estab- lishments	Per cent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Establishments Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Establishments								
	Atlantic Region, Quebec and Ontario	27	46.14	x	x	94.14	97.60	-	227.52	8.66	11.94
	Prairie Region and British Columbia	25	35.83	62.79	75.23	85.92	94.78	-	70.92	x	15.37
2210	Canvas Products Industry, Canada	144	31.82	48.09	57.37	63.91	68.12	86.56	24.17	35.89	37.82
	Atlantic Region, Quebec and Ontario	108	x	x	x	x	x	x	x	26.36	29.86
	Prairie Region and British Columbia	36	x	x	x	x	x	-	x	9.78	10.64
2230	Cotton and Jute Bag Industry, Canada	31	36.65	58.53	74.80	86.54	93.23	-	31.19	13.55	15.84
	Atlantic Region, Quebec and Ontario	24	x	x	x	x	x	-	x	9.95	11.88
	Prairie Region and British Columbia	7	x	-	-	-	-	-	x	3.62	3.95
2513	Sawmills & Planing Mills, Canada	2,559	10.18	16.16	20.77	24.56	27.35	41.41	896.24	330.40	501.00
	Atlantic Region, Quebec and Ontario	1,554	7.48	12.42	16.02	19.36	22.40	39.26	260.39	255.11	314.08
	Prairie Region, British Columbia, Yukon and Northwest Terr.	1,005	14.35	22.78	29.27	34.62	38.52	56.71	635.85	141.32	210.03
2520 ^b	Veneer & Plywood Mills, Canada	83	29.26	44.55	55.16	64.14	71.06	94.80	222.44	26.19	30.50
	Atlantic Region, Quebec and Ontario	53	x	x	x	x	x	x	x	x	23.39
	Prairie Region and British Columbia	30	x	x	x	x	x	-	x	x	11.17
2541	Sash, Door and Other Millwork Plants, Canada	987	9.13	14.62	19.08	22.64	25.90	44.20	189.06	203.25	231.17
	Atlantic Region	80	39.66	59.71	72.37	79.12	83.75	98.02	7.02	16.72	17.38
	Quebec	429	17.55	26.92	34.59	40.37	44.92	67.09	57.29	84.50	86.29

INDEXES OF ESTABLISHMENT CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965

TABLE A-7

S.I.C. No.	INDUSTRY	Total Number of Estab- lishments	Per cent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Establishments Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Establishments								
	Ontario	237	x	30.89	39.51	46.89	53.29	79.78	60.46	x	57.17
	Prairie Region and British Columbia	241	20.13	30.92	39.69	46.03	51.51	75.99	64.29	59.21	71.71
2560	Wooden Box Factories, Canada	160	35.79	55.31	64.50	70.35	75.23	90.66	35.12	25.99	28.75
	Atlantic Region	20	x	x	x	x	x	-	x	8.59	7.23
	Quebec	41	64.74	80.09	86.92	91.29	94.34	-	7.13	x	7.68
	Ontario	67	58.56	73.11	81.21	86.37	90.11	99.39	23.78	x	13.32
	Prairie Region and British Columbia	32	x	x	x	x	x	-	x	7.88	6.29
2580	Coffin and Casket Industry, Canada	56	29.94	46.12	57.58	66.32	73.66	99.87	13.68	23.93	22.97
	Atlantic Region	5	x	-	-	-	-	-	.67	2.60	2.57
	Quebec	21	65.20	85.85	96.75	99.64	x	-	5.66	x	6.39
	Ontario	17	x	x	x	x	-	-	5.01	10.14	10.56
	Prairie Region	9	79.32	x	-	-	-	-	1.54	x	3.41
	British Columbia	4	100.00	-	-	-	-	-	.80	x	x
2733	Paper and Plastic Bag Manufacturers, Canada	74	27.67	43.03	54.66	64.37	71.48	95.59	120.92	26.24	28.46
	Atlantic Region, Quebec and Ontario	57	x	x	x	x	x	x	x	19.44	20.80
	Prairie Region and British Columbia	17	57.62	83.21	96.36	x	-	-	19.41	7.37	7.80
2850	Commercial Printing, Publishing Only, Publishing & Printing, Canada	3,127	10.82	17.84	22.70	26.57	29.95	44.68	1,019.71	409.81	493.72

**INDEXES OF ESTABLISHMENT CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-7

S.I.C. No.	INDUSTRY	Total Number of Estab- lishments	Per cent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Establishments Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Establishments								
	Atlantic Region and Quebec	1,050	21.05	33.45	39.63	43.74	46.70	61.80	318.20	150.25	180.04
	Ontario	1,307	19.39	27.34	33.56	37.81	41.69	58.90	534.09	155.90	186.91
	Prairie Region	486	28.85	40.95	48.33	53.47	56.95	72.75	100.43	76.02	89.89
	British Columbia, Northwest Terr. and Yukon	284	52.13	61.31	65.63	68.71	71.39	82.83	66.98	40.31	56.97
2870	Platemaking, Type Setting & Trade Bindery Plants, Canada	338	14.94	24.27	31.75	37.59	42.45	64.33	65.52	96.36	99.17
	Atlantic Region and Quebec	109	31.11	47.43	58.44	65.13	70.64	90.88	21.91	29.23	30.03
	Ontario	163	23.70	37.44	46.32	53.24	59.00	81.73	37.38	46.54	48.93
	Prairie Region	40	39.64	57.83	71.94	81.09	87.41	-	3.53	x	13.52
	British Columbia	26	49.48	69.57	x	x	x	-	2.71	11.25	11.00
2940	Iron Foundries, Canada	137	33.22	48.91	59.30	66.68	72.44	91.09	167.48	28.29	39.02
	Atlantic Region and Quebec	47	x	x	x	x	x	-	x	9.40	15.94
	Ontario	61	x	57.98	70.60	79.96	85.83	99.56	119.22	x	18.45
	Prairie Region and British Columbia	29	x	x	x	x	x	-	x	7.84	10.53
3020	Fabricated Structural Metal Industry, Canada	97	22.75	36.64	48.51	58.53	65.85	92.06	372.29	30.86	31.85
	Atlantic Region and Quebec	23	x	x	91.06	97.05	99.70	-	105.13	8.32	7.88
	Ontario	43	32.74	59.93	78.42	87.50	92.33	-	178.11	x	12.97
	Prairie Region and British Columbia	31	48.27	69.47	80.64	88.55	94.19	-	89.05	x	11.51

INDEXES OF ESTABLISHMENT CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965

TABLE A-7

S.I.C. No.	INDUSTRY	Total Number of Estab- lishments	Per cent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Establishments Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Establishments								
3080	Machine Shops, Canada	957	7.49	12.19	15.74	18.74	21.50	36.59	143.70	305.99	324.74
	Atlantic Region	51	45.45	64.58	76.32	84.67	88.68	x	8.91	13.45	15.26
	Quebec	223	21.83	33.08	40.65	46.66	x	x	37.47	65.70	67.42
	Ontario	392	x	x	x	x	x	x	48.68	147.63	147.58
	Manitoba	44	51.71	72.41	83.09	88.21	91.85	-	8.32	x	13.17
	Saskatchewan	30	55.51	72.76	83.28	91.35	95.69	-	2.60	x	9.77
	Alberta	76	x	x	x	x	x	x	17.54	18.36	25.14
	British Columbia	141	20.59	33.91	41.85	47.86	53.37	80.04	20.18	x	51.44
3240	Truck Body and Trailer Manufacturers, Canada	160	29.42	42.57	53.54	62.27	68.42	86.42	103.01	35.20	46.06
	Atlantic Region and Quebec	41	x	x	x	x	x	-	x	14.96	15.22
	Ontario	58	x	x	76.44	84.56	88.88	99.68	70.81	x	15.99
	Prairie Region	43	x	x	x	x	x	-	x	12.52	13.69
	British Columbia	18	65.28	84.23	94.14	99.37	-	-	8.93	x	7.47
3280	Boatbuilding and Repair, Canada	242	21.14	34.98	43.32	50.27	55.85	76.61	24.63	59.11	62.85
	Atlantic Region	58	x	x	x	x	x	x	x	22.43	17.30
	Quebec	27	75.49	90.01	94.06	96.69	98.39	-	3.60	x	6.36
	Ontario and Prairie Region	79	x	x	x	x	x	x	x	17.81	20.88

INDEXES OF ESTABLISHMENT CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965

TABLE A-7

S.I.C. No.	INDUSTRY	Total Number of Estab- lishments	Per cent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Establishments Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Establishments								
	British Columbia	78	33.86	49.86	60.78	68.78	75.18	95.06	6.75	23.72	22.70
3475	Concrete Products Mfrs., Ready-Mix Concrete Mfrs., Canada	825	11.00	17.58	x	27.31	31.20	49.78	401.99	x	231.98
	Newfoundland	6	x	-	-	-	-	-	x	1.56	1.59
	Prince Edward Island	3	-	-	-	-	-	-	.15	1.76	1.93
	Nova Scotia	22	x	83.70	94.10	98.31	99.71	-	4.92	6.95	9.46
	New Brunswick	21	66.01	87.10	94.85	99.02	x	-	5.33	5.82	7.22
	Quebec	239	31.15	45.82	57.12	62.53	66.59	84.24	124.95	40.59	55.82
	Ontario	299	17.58	27.09	34.62	40.94	46.22	69.54	169.81	75.39	90.06
	Manitoba	30	x	x	x	x	x	-	x	4.49	5.56
	Saskatchewan	35	x	70.33	79.64	86.26	90.88	-	14.99	12.20	17.54
	Alberta	81	37.56	56.83	66.92	73.64	78.27	95.36	35.00	21.97	27.00
	British Columbia, Yukon and Northwest Terr.	89	x	x	x	x	x	x	x	21.12	30.22
3511	Clay Products Mfrs. - domestic clays, Canada.	83	31.81	51.34	60.99	67.63	73.31	95.74	42.75	25.80	32.60
	Atlantic Region and Quebec	16	x	x	x	x	-	-	x	6.38	6.54
	Ontario	52	x	x	76.07	82.43	87.24	x	25.49	x	21.35
	Prairie Region and British Columbia	15	x	x	x	-	-	-	x	5.67	5.72
3530	Stone Product Manufacturers, Canada	114	21.92	33.38	42.33	50.10	56.94	83.03	13.59	44.68	36.62

INDEXES OF ESTABLISHMENT CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965

TABLE A-7

S.I.C. No.	INDUSTRY	Total Number of Estab- lishments	Per cent of Total Value of Factory Shipments Accounted for by the					Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Establishments Accounting For		
			4	8	12	16	20		50	80% Ship- ments	80% Employ- ment
			Largest Establishments								
	Atlantic Region	12	65.27	92.04	100.00	-	-	-	1.24	x	6.00
	Quebec	47	46.72	64.35	76.32	82.03	85.62	-	5.85	x	10.60
	Ontario	37	32.96	53.81	68.57	77.10	84.36	-	5.48	x	15.25
	Prairie Region	10	66.55	92.15	-	-	-	-	.59	x	4.25
	British Columbia	8	79.68	100.00	-	-	-	-	.44	x	3.73
3650	Petroleum Refineries, Canada	57	29.36	46.01	60.62	71.99	80.33	99.87	1,414.91	x	22.96
	Atlantic Region and Quebec	12	x	x	x	-	-	-	x	6.23	5.87
	Ontario	17	71.13	98.01	99.70	x	-	-	503.47	x	4.13
	Prairie Region	19	48.38	80.74	95.40	99.85	-	-	274.24	x	9.56
	British Columbia, Yukon and Northwest Terr.	9	86.74	x	-	-	-	-	128.23	3.39	4.54
3720	Manufacturers of Mixed Fertilizers, Canada	68	32.65	47.96	59.26	67.33	73.93	97.26	88.71	24.71	25.59
	Atlantic Region and Quebec	21	50.07	72.61	88.23	95.49	x	-	28.91	x	9.86
	Ontario	39	47.79	66.49	77.81	85.34	91.18	-	57.30	x	14.05
	Prairie Region and British Columbia	8	98.44	100.00	-	-	-	-	2.50	x	x
3750	Paint and Varnish Manufacturers, Canada	150	26.17	37.32	47.13	54.94	62.24	87.66	193.56	35.76	40.21
	Atlantic Region and Quebec	42	x	x	x	x	x	-	x	10.09	8.95
	Ontario	77	36.76	53.31	66.32	76.57	83.78	98.28	114.76	x	21.08

**INDEXES OF ESTABLISHMENT CONCENTRATION IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
BY PROVINCES OR REGIONS, 1965**

TABLE A-7

S.I.C. No.	INDUSTRY	Total Number of Estab- lishments	Per cent of Total Value of Factory Shipments Accounted for by the						Total Value of Factory Ship- ments (\$ Mil.)	No. of Largest Establishments Accounting For	
			4	8	12	16	20	50		80% Ship- ments	80% Employ- ment
			Largest Establishments								
	Prairie Region and British Columbia	31	x	x	x	x	x	-	x	10.62	10.89
3830	Broom, Brush and Mop Industry, Canada	88	37.82	56.70	73.31	79.75	85.29	97.75	33.36	16.22	17.22
	Atlantic Region and Quebec	34	x	x	x	x	x	-	x	5.52	7.09
	Ontario	36	57.13	78.31	88.87	94.91	98.28	-	20.92	x	8.30
	Prairie Region and British Columbia	18	x	x	x	x	-	-	x	4.58	4.16
3970	Signs and Displays Industry, Canada	399	14.10	23.57	31.70	37.54	42.75	64.06	52.94	98.09	98.08
	Atlantic Region	19	x	x	x	x	-	-	x	7.85	8.20
	Quebec	82	23.70	39.63	52.41	62.45	70.36	94.04	8.60	28.13	26.02
	Ontario	185	21.10	35.75	47.13	55.97	63.75	84.31	32.28	40.58	40.63
	Manitoba	23	x	x	x	x	99.19	-	2.75	6.66	5.80
	Alberta	41	x	x	x	x	x	-	2.78	x	12.10
	British Columbia	49	x	x	x	x	x	-	5.14	x	9.19

EXPLANATION OF FOOTNOTES

- b Establishments ranked or measured by Value Added
- Not Applicable
- x Withheld to avoid disclosing figures for individual establishment

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

TABLE A-8

S.I.C. No.	INDUSTRY AND REGION	Total No. of Estab- lish- ments	Largest Establishments Accounted For												Total	
			4		8		12		16		20		50		Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
1010	Slaughtering & Meat Processors, Canada	399	x	x	x	x	41.00	40.53	47.97	48.21	53.07	53.80	75.13	76.04	267,259	29,986
	Atlantic Region	26	x	x	x	x	x	x	x	x	x	-	-	7,763	1,052	
	Quebec	129	36.36	36.74	51.78	51.14	68.60	65.33	72.95	72.04	77.49	75.69	92.73	91.61	60,500	6,880
	Ontario	134	51.28	53.54	x	x	x	x	x	x	81.65	84.25	95.91	95.49	102,744	11,195
	Manitoba	25	85.12	x	88.29	89.42	96.21	95.95	98.11	98.59	99.67	99.83	-	-	22,957	3,065
	Saskatchewan	15	x	x	x	x	99.52	99.45	-	-	-	-	-	-	12,294	1,471
	Alberta	33	57.60	59.15	87.66	89.06	94.57	95.21	x	x	x	x	-	-	44,813	4,618
	British Columbia	37	65.33	70.26	82.39	82.22	90.53	88.32	93.45	91.37	95.70	94.07	-	-	16,187	1,705
1030	Poultry Processors, Canada	150	16.71	14.69	24.05	24.28	x	x	41.15	40.60	45.70	45.16	80.03	76.19	31,891	5,987
	Atlantic Region	16	71.99	64.74	94.12	94.83	98.20	98.78	100.00	100.00	-	-	-	-	1,446	329
	Quebec	33	35.50	38.54	52.20	54.37	69.98	65.49	84.04	80.28	94.07	93.28	-	-	9,512	1,907
	Ontario	56	25.08	27.29	52.61	54.79	x	x	x	x	x	x	x	x	11,939	1,960
	Prairie Region	28	33.72	36.27	59.62	58.67	75.89	70.79	86.64	84.68	94.11	93.35	-	-	5,637	1,188
	British Columbia	17	84.39	x	94.19	92.20	98.39	98.83	x	x	-	-	-	-	3,357	603
1060	Dairy Factories & Process Cheese Mfrs., Canada	1,421	12.91	6.15	16.67	9.02	20.15	11.56	23.03	14.07	25.74	16.78	41.42	31.22	277,437	33,475
	Newfoundland and Prince Edward Island	27	62.18	57.40	x	x	x	x	x	x	x	x	-	-	3,028	432
	Nova Scotia	37	51.98	47.70	70.91	66.74	76.15	73.66	83.54	81.33	88.66	87.81	-	-	7,237	1,329

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

TABLE A-8

S.I.C. No.	INDUSTRY AND REGION	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	New Brunswick	47	32.63	31.19	54.09	55.50	x	x	x	x	x	x	-	-	4,912	872		
	Quebec	454	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
	Ontario	578	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
	Manitoba	68	48.33	44.33	61.93	57.70	72.50	66.46	80.30	73.32	83.10	76.81	96.68	93.21	10,490	1,518		
	Saskatchewan	56	37.98	31.74	57.49	50.63	68.78	62.29	74.81	69.51	79.87	75.79	98.02	96.57	9,262	1,578		
	Alberta	111	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
	British Columbia, Northwest Terr. and Yukon	43	57.55	59.49	74.52	73.82	83.51	79.97	89.13	85.21	93.29	89.59	-	-	19,824	2,422		
1110	Fish Products Industry, Canada	376	x	x	x	x	31.64	23.78	37.67	28.80	43.03	32.49	65.34	55.45	90,532	17,163		
	Atlantic Region and Quebec	301	20.40	14.97	27.43	21.28	36.77	29.97	42.38	34.40	46.61	37.81	73.15	67.38	56,953	12,969		
	Ontario and Prairie Region	25	64.16	54.51	79.41	74.51	89.21	84.91	94.93	92.00	98.67	98.51	-	-	5,193	875		
	British Columbia	50	48.12	39.22	x	x	73.90	69.32	81.97	75.68	89.95	86.83	100.00	100.00	28,386	3,319		
1120	Fruit & Vegetable Cannerys & Preservers, Canada	313	26.76	20.09	35.17	30.00	41.89	34.29	48.65	38.67	53.29	43.65	75.10	65.40	176,100	19,645		
	Atlantic Region	21	76.24	x	91.60	88.86	98.27	98.13	99.37	99.65	x	x	-	-	8,536	1,446		
	Quebec	96	33.44	23.16	56.38	43.83	46.69	53.38	x	x	x	x	94.67	89.91	27,685	3,194		
	Ontario	142	40.97	32.62	52.25	44.45	62.50	51.33	69.77	58.42	74.96	64.34	92.85	85.11	114,992	12,237		
	Prairie Region and British Columbia	54	31.38	26.19	60.15	52.02	70.37	63.51	77.61	72.72	82.59	79.19	99.92	98.84	24,887	2,768		
1240	Flour Mills, Canada	51	x	x	68.34	44.04	80.10	55.92	87.21	67.64	91.41	72.87	x	x	48,539	4,284		

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

TABLE A-8

S.I.C. No.	INDUSTRY AND REGION	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Atlantic Region, Quebec and Ontario	33	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
	Prairie Region and British Columbia	18	x	x	x	x	x	x	x	x	-	-	-	-	x	x		
1290	Bakeries, Canada	2,465	11.12	7.98	17.65	13.51	x	x	27.55	22.30	30.88	25.21	47.63	40.87	225,904	33,082		
	Newfoundland	19	74.39	72.63	93.33	94.13	96.78	98.04	99.11	100.00	-	-	-	-	2,144	307		
	Prince Edward Island	8	x	x	x	x	-	-	-	-	-	-	-	-	x	x		
	Nova Scotia	72	x	x	x	x	x	x	x	x	x	x	x	x	6,309	1,009		
	New Brunswick	61	x	x	x	x	86.87	78.71	90.13	82.51	92.39	86.68	99.52	96.19	6,794	1,104		
	Quebec	755	25.07	17.90	36.28	28.13	x	x	49.15	42.14	33.87	46.94	67.50	62.76	73,176	10,887		
	Ontario	766	23.71	18.66	37.73	32.71	47.70	40.93	53.12	45.20	57.20	48.93	71.98	65.39	85,940	12,572		
	Manitoba	153	52.07	44.63	x	x	69.13	66.15	73.74	72.70	76.46	76.36	87.07	88.11	10,257	1,557		
	Saskatchewan	116	x	x	57.42	48.31	x	x	66.92	60.13	70.26	64.71	86.47	86.77	7,221	1,006		
	Alberta	192	37.46	31.53	51.95	44.53	59.98	52.26	64.22	57.06	67.52	61.36	80.87	79.16	12,890	1,747		
	British Columbia, Northwest Terr. and Yukon	323	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
1310	Confectionery Manufacturers, Canada	180	x	x	x	x	x	x	75.30	64.91	79.78	71.60	x	x	91,629	10,796		
	Atlantic Region	12	x	x	x	x	x	x	-	-	-	-	-	-	x	x		
	Quebec	63	69.05	57.92	83.71	76.15	87.94	80.21	91.97	85.19	94.85	90.88	99.72	98.13	24,978	2,952		
	Ontario	68	51.85	48.27	73.51	65.61	82.84	75.54	x	x	x	x	99.76	98.48	58,507	6,264		

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS **TABLE A-8**
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

S.I.C. No.	INDUSTRY AND REGION	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Prairie Region	16	x	x	x	x	x	x	x	x	-	-	-	-	x	x		
	British Columbia	21	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
1392	Miscellaneous Food Mfrs., Canada	272	29.37	14.14	39.28	21.78	46.73	27.33	52.07	30.40	57.04	34.21	79.49	58.87	219,233	13,253		
	Atlantic Region	24	x	x	x	x	x	x	x	x	x	-	-	x	x			
	Quebec	82	60.38	32.97	x	x	79.99	55.26	83.87	61.54	87.19	72.42	98.25	91.14	65,691	3,760		
	Ontario	102	39.52	23.50	53.76	33.56	63.40	40.98	70.89	48.89	77.28	57.52	95.67	83.93	115,428	6,808		
	Prairie Region	31	x	x	x	x	x	x	x	x	x	-	-	x	x			
	British Columbia	33	x	x	81.24	69.93	x	x	x	x	x	x	-	-	16,843	988		
1410	Soft Drink Mfrs., Canada	470	x	x	x	x	33.00	24.55	38.28	29.76	42.22	32.55	58.80	48.72	143,152	13,629		
	Atlantic Region	59	22.49	14.10	36.92	26.22	49.23	37.97	57.63	48.01	65.66	55.24	96.86	94.39	10,479	1,106		
	Quebec	169	41.02	29.63	54.01	42.34	60.57	48.91	64.73	54.33	68.04	57.90	83.58	76.31	56,933	5,150		
	Ontario	146	30.53	19.52	47.01	37.39	54.47	43.95	59.99	50.39	64.63	54.77	83.81	74.03	50,396	4,937		
	Manitoba	16	x	x	90.99	87.06	96.92	95.73	100.00	100.00	-	-	-	-	6,152	657		
	Saskatchewan	23	x	x	x	x	x	x	x	x	97.06	97.45	-	-	4,085	433		
	Alberta	23	x	x	x	x	x	x	x	x	98.15	97.12	-	-	6,487	627		
	British Columbia, Northwest Terr. and Yukon	34	58.00	45.34	73.09	61.19	82.66	70.93	88.83	81.64	93.17	88.17	-	-	8,620	719		
1450	Breweries, Canada	52	36.50	29.43	x	x	x	x	x	x	83.57	72.74	x	x	213,551	9,471		

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1985

TABLE A-8

S.I.C. No.	INDUSTRY AND REGION	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Atlantic Region, Quebec and Ontario	27	47.62	39.25	x	x	x	x	94.50	84.45	97.76	87.94	-	-	163,692	7,102		
	Prairie Region and British Columbia	25	36.27	34.06	62.66	58.08	74.55	68.97	85.39	78.09	94.33	90.20	-	-	49,859	2,369		
2210	Canvas Products Industry, Canada	144	x	x	x	x	x	x	x	x	x	x	83.62	84.29	10,950	1,987		
	Atlantic Region, Quebec and Ontario	108	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
	Prairie Region and British Columbia	36	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
2230	Cotton and Jute Bag Industry, Canada	31	37.67	35.70	59.47	55.78	x	x	x	x	x	x	-	-	7,568	1,081		
	Atlantic Region, Quebec and Ontario	24	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
	Prairie Region and British Columbia	7	x	x	-	-	-	-	-	-	-	-	-	-	x	x		
2513	Sawmills and Planing Mills, Canada	2,559	8.64	6.90	13.49	11.17	17.08	14.02	21.15	17.41	23.45	19.05	35.54	30.63	384,484	50,848		
	Atlantic Region, Quebec and Ontario	1,554	7.21	5.18	10.85	7.90	14.71	10.13	17.44	12.97	20.73	16.64	36.20	30.77	124,113	19,648		
	Prairie Region and British Columbia	1,005	12.77	11.25	19.93	18.21	25.23	22.86	31.23	28.38	34.25	31.19	50.64	48.25	260,371	31,200		
2520 ^b	Veneer & Plywood Mills, Canada	83	30.78	25.49	46.10	38.20	57.07	47.83	65.56	56.47	72.29	64.85	95.35	92.71	101,115	14,265		
	Atlantic Region, Quebec and Ontario	53	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
	Prairie Region and British Columbia	30	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
2541	Sash, Door and Other Millwork Plants, Canada	987	8.32	6.85	12.90	12.06	17.53	15.55	21.49	18.44	24.86	20.74	43.51	36.27	83,990	12,553		
	Atlantic Region	80	36.36	29.96	57.84	49.09	71.66	66.71	78.27	77.56	81.64	82.53	97.54	99.39	3,176	664		
	Quebec	429	18.46	15.44	27.31	24.61	35.19	30.53	41.26	36.56	45.47	40.44	66.13	63.11	25,457	4,067		

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

TABLE A-8

S.I.C. No.	INDUSTRY AND REGION	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Ontario	237	x	x	27.82	28.45	37.07	34.40	46.02	40.85	52.87	47.52	78.63	75.32	27,141	4,000		
	Prairie Region and British Columbia	241	19.11	13.31	29.66	20.32	38.33	27.49	43.84	33.01	48.00	39.48	73.33	66.32	28,215	3,822		
2560	Wooden Box Factories, Canada	160	x	x	57.44	45.70	x	x	x	x	76.32	69.28	90.66	89.06	19,195	3,028		
	Atlantic Region	20	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
	Quebec	41	63.49	60.09	78.83	80.57	86.53	87.04	90.48	92.16	93.87	95.18	-	-	3,625	664		
	Ontario	67	62.93	50.23	75.57	66.52	82.74	76.48	87.49	83.08	90.95	87.36	99.42	99.27	13,301	1,939		
	Prairie Region and British Columbia	32	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
2580	Coffin & Casket Industry, Canada	56	32.51	29.90	x	x	58.72	55.77	67.04	62.93	75.06	72.73	99.86	100.00	7,572	1,438		
	Atlantic Region	5	x	x	-	-	-	-	-	-	-	-	-	-	331	92		
	Quebec	21	66.91	63.23	86.97	x	96.87	96.98	99.66	100.00	x	x	-	-	3,301	563		
	Ontario	17	x	x	x	x	x	x	x	x	-	-	-	-	2,961	597		
	Prairie Region	9	79.74	x	x	x	-	-	-	-	-	-	-	-	622	113		
	British Columbia	4	100.00	100.00	-	-	-	-	-	-	-	-	-	-	357	73		
2733	Paper & Plastic Bag Mfrs., Canada	74	31.65	27.85	46.43	42.53	56.40	52.50	62.78	61.30	71.16	67.92	95.36	93.13	41,883	4,954		
	Atlantic Region, Quebec and Ontario	57	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
	Prairie Region and British Columbia	17	62.84	46.73	84.28	78.12	97.14	93.61	x	x	-	-	-	-	7,250	736		
2850	Commercial Printing, Publishing Only, Publishing & Printing, Canada	3,127	12.04	9.11	19.77	15.37	24.34	18.72	28.13	21.91	31.75	24.90	46.50	37.90	682,945	72,815		

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

TABLE A-8

S.I.C. No.	INDUSTRY AND REGION	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total	
			Largest Establishments Accounted For													
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	Value Added $'000	Empl. No.
	Atlantic Region and Quebec	1,050	23.56	17.18	36.43	27.62	42.08	31.35	45.74	34.71	49.03	38.08	64.12	53.99	210,442	22,752
	Ontario	1,307	21.34	17.36	28.77	23.57	35.12	30.40	39.70	33.95	43.70	37.52	60.13	53.18	353,719	37,173
	Prairie Region	486	30.31	22.58	42.02	33.21	49.58	40.80	57.70	46.86	54.58	49.52	73.74	68.24	70,284	8,068
	British Columbia, Northwest Terr. and Yukon	284	54.58	40.52	62.82	49.75	67.17	54.33	70.36	57.81	72.76	60.76	83.99	76.56	48,500	4,822
2870	Platemaking, Typesetting, Trade Bindery Plants, Canada	338	15.32	12.41	25.47	22.12	x	x	39.11	33.80	43.95	38.12	65.00	60.31	51,785	5,922
	Atlantic Region and Quebec	109	33.28	28.18	49.23	43.11	58.87	54.61	65.62	61.02	70.89	66.06	91.24	91.23	17,185	2,122
	Ontario	163	25.01	21.53	39.58	32.94	47.52	40.11	53.83	46.40	59.28	53.19	82.13	79.75	29,701	3,181
	Prairie Region	40	41.83	42.33	60.28	61.83	72.14	x	81.66	85.51	87.72	92.47	-	-	2,689	359
	British Columbia	26	49.36	50.38	70.22	68.84	x	x	x	x	x	x	-	-	2,210	260
2940	Iron Foundries, Canada	137	29.32	25.82	x	x	56.10	52.26	62.44	58.66	68.79	64.21	89.80	85.42	93,622	11,714
	Atlantic Region and Quebec	47	x	x	x	x	x	x	x	x	x	x	-	-	x	x
	Ontario	61	x	x	55.87	54.43	67.51	67.29	76.65	75.96	83.60	81.65	99.49	99.37	66,638	8,533
	Prairie Region and British Columbia	29	x	x	x	x	x	x	x	x	x	x	-	-	x	x
3020	Fabricated Structural Metal Industries, Canada	97	25.82	25.76	41.60	38.39	54.74	50.88	65.07	60.55	72.36	66.48	93.10	90.48	187,359	18,072
	Atlantic Region and Quebec	23	x	x	x	x	91.76	89.99	97.68	95.05	99.70	97.88	-	-	49,025	5,437
	Ontario	43	35.21	31.25	62.97	60.00	79.75	76.69	88.56	85.37	92.85	90.32	-	-	94,599	8,104
	Prairie Region and British Columbia	31	58.46	54.16	75.20	68.10	84.91	79.45	91.72	87.68	95.18	93.88	-	-	43,734	4,531

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

TABLE A-8

S.I.C. No.	INDUSTRY AND REGION	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
3080	Machine Shops, Canada	957	x	x	x	x	14.59	12.25	x	x	19.71	16.72	34.32	30.88	90,420	11,618		
	Atlantic Region	51	42.75	41.06	56.75	57.98	71.17	70.94	81.21	80.49	86.49	85.67	x	x	4,659	733		
	Quebec	223	19.34	17.07	32.02	28.21	40.05	35.85	45.94	42.07	x	x	x	x	23,562	3,140		
	Ontario	392	x	x	x	x	x	x	x	x	x	x	x	x	33,069	4,117		
	Manitoba	44	52.21	42.75	66.82	61.20	79.11	76.72	84.82	83.10	89.13	89.31	-	-	4,428	580		
	Saskatchewan	30	55.71	51.04	70.90	74.47	81.75	83.85	89.87	92.70	95.00	97.39	-	-	1,540	192		
	Alberta	76	x	x	x	x	x	x	x	x	x	x	x	x	10,855	1,186		
	British Columbia	141	18.92	18.56	32.45	31.19	40.17	39.10	47.05	44.31	50.97	50.77	78.60	77.66	12,308	1,670		
3240	Truck Body & Trailer Mfrs., Canada	160	x	x	40.09	37.27	50.12	47.01	59.45	54.76	x	x	83.74	80.87	43,890	5,432		
	Atlantic Region and Quebec	41	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
	Ontario	58	x	x	x	x	74.41	71.95	82.28	79.06	87.19	83.90	99.57	98.24	29,360	3,473		
	Prairie Region	43	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
	British Columbia	18	57.72	54.60	81.29	81.58	93.55	93.30	99.18	99.79	-	-	-	-	3,924	478		
3280	Boatbuilding & Repair, Canada	242	x	x	31.00	26.70	40.42	36.62	47.72	42.32	53.26	50.69	73.61	71.26	13,077	1,876		
	Atlantic Region	58	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
	Quebec	27	73.81	62.82	87.85	x	92.60	92.30	95.82	97.00	97.88	97.86	-	-	1,894	234		
	Ontario and Prairie Region	79	x	x	x	x	x	x	x	x	x	x	x	x	x	x		

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1966

TABLE A-8

S.I.C. No.	INDUSTRY AND REGION	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	British Columbia	78	33.77	24.59	50.07	45.52	59.58	56.70	66.69	65.44	73.48	72.76	94.15	95.73	4,036	492		
3475	Concrete Products Mfrs. Ready-Mix Concrete Mfrs, Canada	825	9.92	7.81	16.43	13.83	x	x	27.11	23.83	31.38	28.78	49.87	45.80	187,216	17,547		
	Newfoundland	6	x	x	-	-	-	-	-	-	-	-	-	-	x	x		
	Prince Edward Island	3	-	-	-	-	-	-	-	-	-	-	-	-	97	11		
	Nova Scotia	22	x	x	84.07	73.87	92.78	86.48	97.53	97.29	99.63	99.99	-	-	2,191	222		
	New Brunswick	21	65.33	62.71	85.73	80.48	93.41	93.72	98.82	98.25	x	x	-	-	2,628	287		
	Quebec	239	30.75	21.92	48.40	42.26	56.22	50.33	62.79	55.22	66.49	58.61	82.74	74.72	59,212	5,342		
	Ontario	299	14.20	15.80	25.60	26.75	33.95	34.18	39.19	38.47	45.67	46.47	67.35	63.44	80,789	7,714		
	Manitoba	30	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
	Saskatchewan	35	x	x	66.99	51.93	77.48	63.70	84.23	73.55	89.43	81.66	-	-	6,236	518		
	Alberta	81	35.79	25.38	56.48	46.46	65.09	55.07	72.54	65.84	77.12	70.23	94.93	91.92	14,808	1,300		
	British Columbia, Northwest Terr. and Yukon	89	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
3511	Clay Products Mfrs. - domestic clays, Canada	83	32.88	27.51	52.54	43.01	x	x	67.82	58.00	73.26	64.39	95.61	92.04	31,095	3,522		
	Atlantic Region and Quebec	16	x	x	x	x	x	x	x	x	-	-	-	-	x	x		
	Ontario	52	x	x	x	x	75.44	62.33	81.82	70.57	86.57	77.30	x	x	18,350	1,917		
	Prairie Region and British Columbia	15	x	x	x	x	x	x	-	-	-	-	-	-	x	x		
3530	Stone Products Mfrs., Canada	114	22.26	22.86	35.69	36.50	45.03	45.73	52.19	52.91	x	x	83.59	85.56	8,506	1,115		

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

TABLE A-8

S.I.C. No.	INDUSTRY AND REGION	Total No. of Estab- lish- ments	4		8		12		16		20		50		Total			
			Largest Establishments Accounted For														Value Added \$'000	Empl. No.
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.		
	Atlantic Region	12	66.82	59.16	93.05	92.50	100.00	100.00	-	-	-	-	-	-	850	120		
	Quebec	47	50.14	51.35	65.69	68.41	78.30	x	83.12	86.04	86.52	89.53	-	-	3,793	516		
	Ontario	37	35.29	37.36	55.69	58.94	70.39	71.84	78.01	80.00	85.41	87.10	-	-	3,216	380		
	Prairie Region	10	66.94	75.00	93.50	98.33	-	-	-	-	-	-	-	-	354	60		
	British Columbia	8	80.95	x	100.00	100.00	-	-	-	-	-	-	-	-	294	39		
3650	Petroleum Refineries, Canada	57	25.90	31.67	41.72	47.90	58.78	57.40	66.97	65.21	75.56	72.82	x	x	257,587	9,384		
	Atlantic Region and Quebec	12	x	x	x	x	x	x	-	-	-	-	-	-	x	x		
	Ontario	17	65.39	x	95.53	93.66	99.09	97.80	x	x	-	-	-	-	86,709	3,093		
	Prairie Region	19	48.81	40.25	86.39	x	96.58	88.57	99.66	98.90	-	-	-	-	57,552	2,196		
	British Columbia, Northwest Terr. and Yukon	9	x	x	x	x	-	-	-	-	-	-	-	-	x	x		
3720	Mfrs. of Mixed Fertilizers, Canada	68	x	27.64	47.18	43.03	56.65	53.50	62.39	62.85	69.07	67.32	97.67	93.80	21,271	1,968		
	Atlantic Region and Quebec	21	46.24	51.11	68.76	71.74	84.80	83.96	93.83	88.73	x	x	-	-	7,531	630		
	Ontario	39	49.05	35.40	65.66	58.95	78.14	76.12	85.25	81.69	93.05	88.22	-	-	13,052	1,240		
	Prairie Region and British Columbia	8	97.23	96.93	100.00	100.00	-	-	-	-	-	-	-	-	688	98		
3750	Paint & Varnish Mfrs., Canada	150	27.82	18.57	38.85	28.50	49.80	36.08	58.33	42.76	65.47	50.69	88.66	75.31	93,998	7,824		
	Atlantic Region and Quebec	42	x	x	x	x	x	x	x	x	x	x	-	-	x	x		
	Ontario	77	37.91	29.16	56.48	44.03	70.41	56.61	79.83	67.40	86.61	x	98.49	93.43	55,451	3,988		

SHARES OF INDUSTRY EMPLOYMENT AND OF VALUE ADDED ACCOUNTED FOR BY THE LARGEST ESTABLISHMENTS
(MEASURED BY VALUE OF FACTORY SHIPMENTS) IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, BY PROVINCES OR REGIONS, 1965

TABLE A-8

S.I.C. No.	INDUSTRY AND REGION	Total No. of Estab- lish- ments	Largest Establishments Accounted For												Total		
			4		8		12		16		20		50		Value Added \$'000	Empl. No.	
			% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.	% Value Added	% Empl.			
3830	Prairie Region and British Columbia	31	x	x	x	x	x	x	x	x	x	x	-	-	x	x	
	Broom, Brush & Mop Industry, Canada	88	x	x	x	x	x	x	x	x	x	86.27	82.03	97.90	98.12	18,057	2,822
	Atlantic Region and Quebec	34	x	x	x	x	x	x	x	x	x	x	x	-	-	x	x
	Ontario	36	61.49	59.41	81.55	78.13	90.41	88.55	95.82	95.24	98.15	98.16	-	-	11,924	1,747	
3970	Prairie Region and British Columbia	18	x	x	x	x	x	x	x	x	x	-	-	-	-	x	x
	Signs & Displays Industry, Canada	399	15.48	14.38	22.83	19.68	31.35	28.74	36.62	33.86	41.79	38.35	61.57	81.85	32,857	4,805	
	Atlantic Region	19	x	x	x	x	x	x	x	x	-	-	-	-	x	x	
	Quebec	82	23.38	21.75	39.22	38.31	51.20	53.39	61.03	64.02	69.12	71.94	93.12	95.05	5,662	809	
	Ontario	185	21.60	18.73	34.44	30.00	46.30	41.04	55.48	49.52	60.69	62.79	82.02	83.33	19,030	2,653	
	Manitoba and Saskatchewan	23	x	x	x	x	x	x	x	x	99.30	99.99	-	-	1,862	341	
	Alberta	41	x	x	x	x	x	x	x	x	x	x	-	-	1,823	296	
	British Columbia	49	x	x	x	x	x	x	x	x	x	-	-	3,608	571		

EXPLANATION OF FOOTNOTES

- b** Establishments ranked or measured by Value Added
- Not Applicable
- x** Withheld to avoid disclosing figures for individual establishment

**COEFFICIENTS OF VARIATION OF VALUE OF FACTORY SHIPMENTS, CUMULATIVELY AND BY DISCRETE GROUPS OF
LARGE ENTERPRISES, IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-9

S.L.C. No.	INDUSTRY	4	8	12	20	50	First 4 (1-4)	Next 4 (5-8)	Next 4 (9-12)	Next 8 (13-20)	Next 30 (21-50)
		Largest Enterprises					Largest Enterprises				
1010	Slaughtering & Meat Processors	0.7237	1.1376	1.4441	1.8458	2.7432	0.7237	0.3160	0.1087	0.0690	0.3456
1030	Poultry Processors	0.2655	0.3757	0.4236	0.5308	1.0402	0.2655	0.0751	0.0175	0.2510	0.2906
1060	Dairy Factories & Process Cheese Mfrs.	0.3902	0.6243	0.7515	0.9344	1.3897	0.3902	0.1906	0.0415	0.2338	0.2968
1110	Fish Products Industry	0.5614	0.7077	0.9027	1.1561	1.6828	0.5614	0.1025	0.0651	0.1943	0.2013
1120	Fruit & Vegetable Canners & Preservers	0.2493	0.5772	0.7641	1.0129	1.5200	0.2493	0.1416	0.1816	0.1054	0.3208
1230 ^b	Feed Manufacturers	0.3255	0.6125	0.7805	1.0127	1.5615	0.3255	0.1632	0.1466	0.1354	0.2909
1240	Flour Mills	0.5056	0.9954	1.3042	1.7734	-	0.5056	0.4035	0.0840	0.5467	-
1250	Breakfast Cereal Manufacturers	x	x	x	-	-	x	x	x	-	-
1280	Biscuit Manufacturers	0.5735	0.8951	1.1452	1.5450	-	0.5735	0.2179	0.1516	0.3537	-
1290	Bakeries	0.2099	0.5235	0.7354	1.0363	1.7287	0.2099	0.2007	0.1170	0.3161	0.2579
1310	Confectionery Manufacturers	0.6127	0.7521	0.9099	1.2028	2.1205	0.6127	0.1544	0.1263	0.2779	0.4124
1330	Sugar Refineries	x	0.9630	-	-	-	x	x	-	-	-
1350	Vegetable Oil Mills	x	x	-	-	-	x	x	-	-	-
1391	Macaroni Manufacturers	x	x	1.5612	-	-	x	x	x	-	-
1392	Miscellaneous Food Mfrs.	0.5289	0.6222	0.7433	0.9541	1.4190	0.5289	0.1255	0.0973	0.2611	0.3321
1410	Soft Drink Manufacturers	0.5802	0.9910	1.2096	1.5168	2.2661	0.5802	0.2290	0.1150	0.1402	0.2082
1430	Distilleries	0.6017	1.0481	x	-	-	0.6017	0.2579	x	-	-
1450	Breweries	0.6142	1.2198	-	-	-	0.6142	0.5964	-	-	-

**COEFFICIENTS OF VARIATION OF VALUE OF FACTORY SHIPMENTS, CUMULATIVELY AND BY DISCRETE GROUPS OF
LARGE ENTERPRISES, IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-9

S.L.C. No.	INDUSTRY	4	8	12	20	50	First 4 (1-4)	Next 4 (5-8)	Next 4 (9-12)	Next 8 (13-20)	Next 30 (21-50)	
		Largest Enterprises					Largest Enterprises					
1470	Wineries	0.3746	0.6510	x	-	-	0.3746	0.3667	x	-	-	
1510	Leaf Tobacco Processing	0.4504	1.0507	1.4485	-	-	0.4504	0.5875	0.4703	-	-	
1530	Tobacco Products Mfrs.	0.6506	1.1845	1.6125	-	-	0.6506	0.7734	0.6888	-	-	
1610	Rubber Footwear Mfrs.	0.3288	-	-	-	-	0.3288	-	-	-	-	
1630	Rubber Tire & Tube Mfrs.	0.3345	-	-	-	-	0.3345	-	-	-	-	
1690	Other Rubber Industries	0.3795	0.5991	0.7527	0.9931	1.7568	0.3795	0.2007	0.0259	0.3566	0.6631	
1720	Leather Tanneries	0.4882	0.8732	1.1299	1.5349	-	0.4882	0.2608	0.1722	0.3313	-	
1740	Shoe Factories	0.3744	0.5000	0.5971	0.6967	0.9136	0.3744	0.1730	0.0618	0.0900	0.2095	
1792	Boot & Shoe Findings Mfrs.	0.3530	0.5785	0.6861	0.9060	-	0.3530	0.1218	0.1732	0.3378	-	
1799	Misc. Leather Products Mfrs.	0.1690	0.2788	0.3996	0.5229	0.8397	0.1690	0.1748	0.0527	0.1236	0.2743	
1830 ^b	Cotton Yarn & Cloth Mills	x	1.6823	2.0705	-	-	x	x	0.3223	-	-	
1950 ^b	Wool Yarn Mills, Wool Cloth Mills	0.2478	0.3864	0.5001	0.6693	1.2067	0.2478	0.0451	0.2317	0.0891	0.4807	
2010	Total Synthetic Textile Mills	0.4418	0.6841	0.9129	1.2059	1.9915	0.4418	0.3263	0.1137	0.1515	0.8037	
2110	Fibre Preparing Mills	0.3581 ^c	0.5527	0.7063	1.0085	-	0.3581 ^c	0.1397	0.1443	0.5116	-	
2120	Thread Mills	0.6799	0.9803 ^c	1.2664	-	-	0.6799	0.4070 ^c	0.3533 ^c	-	-	
2130	Cordage & Twine Industry	0.5397 ^c	0.8850 ^c	1.2539 ^c	-	-	0.5397 ^c	0.6066 ^c	0.2945 ^c	-	-	
2140	Narrow Fabric Mills	0.4043	0.7811	0.9837	1.2971	-	0.4043	0.5328	0.0765	0.2722	-	
2150	Pressed & Punched Felt Mills	0.6636 ^c	1.0452 ^c	1.3741	-	-	0.6636 ^c	0.5369 ^c	0.4801 ^c	-	-	
2160	Carpet, Mat & Rug Industry	0.3093	0.6129	0.8121 ^c	1.2080	-	0.3093	0.2240	0.1984 ^c	0.7551 ^c	-	

**COEFFICIENTS OF VARIATION OF VALUE OF FACTORY SHIPMENTS, CUMULATIVELY AND BY DISCRETE GROUPS OF
LARGE ENTERPRISES, IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-9

S.I.C. No.	INDUSTRY	4	8	12	20	50	First 4 (1-4)	Next 4 (5-8)	Next 4 (9-12)	Next 8 (13-20)	Next 30 (21-50)
		Largest Enterprises					Largest Enterprises				
2180	Textile Dyeing & Finishing Plants	0.2554	0.3064	0.4377	0.7258	1.3243	0.2554	0.0783	0.3153	0.2587	0.4301
2190	Linoleum & Coated Fabrics Ind.	x	x	1.4877	-	-	x	x	x	-	-
2210	Canvas Products Industry	0.3756	0.5230	0.6334	0.8530	x	0.3756	0.2746	0.1632	0.1711	x
2230	Cotton & Jute Bag Industry	0.7715	0.8821	0.9998	1.3212	-	0.7715	0.0876	0.2049	0.3228	-
2291	Auto Fabric Accessory Mfrs.	0.6222 ^c	1.0005 ^c	1.3168	1.8105 ^c	-	0.6222 ^c	0.1561 ^c	0.4456 ^c	0.2985 ^c	-
2292	Embroidery, Pleating, Hemstitching	x	0.3272	0.4430	0.5751	0.8991	x	x	0.0729	0.0485	0.2940
2310	Hosiery Mills	0.0941	0.2614	0.3218	0.4339	0.6798	0.0941	0.1780	0.0329	0.0716	0.2720
2390	Other Knitting Mills	0.3413	0.3821	0.4000	0.4568	0.6950	0.3413	0.0514	0.0753	0.0903	0.2691
2431	Total Men's Clothing Factories	0.2270	0.3005	0.3545	0.4520	0.6513	0.2270	0.0998	0.0582	0.0879	0.1893
2432	Men's Clothing Contractors	0.3318	0.3660	0.4190	0.5080	0.6967	0.3318	0.0959	0.1083	0.0842	0.2230
2441	Total Women's Clothing Factories	0.2509	0.3598	0.3879	0.4121	0.4896	0.2509	0.0234	0.0612	0.0396	0.1317
2442	Women's Clothing Contractors	0.1757	0.2037	0.2212	0.2503	0.3979	0.1757	0.0481	0.0447	0.0633	0.1468
2450	Children's Clothing Industry	0.2932	0.3283	0.3373	0.3924	0.5510	0.2932	0.0111	0.0603	0.1076	0.1780
2460	Fur Goods Industry	0.5130	0.6932	0.7693	0.8901	1.0942	0.5130	0.0560	0.0806	0.1224	0.1690
2470	Total Hat & Cap Industry	0.4233	0.5132	0.5606	0.6390	0.9249	0.4233	0.0962	0.0644	0.1195	0.2761
2480	Foundation Garment Industry	0.3959	0.5231	0.5982	0.7863	-	0.3959	0.1558	0.1034	0.1977	-
2511	Shingle Mills	0.2837	0.4104	0.5845	0.8553 ^c	1.6389	0.2837	0.1393	0.1282	0.3213 ^c	0.7952 ^c

**COEFFICIENTS OF VARIATION OF VALUE OF FACTORY SHIPMENTS, CUMULATIVELY AND BY DISCRETE GROUPS OF
LARGE ENTERPRISES, IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-9

S.I.C. No.	INDUSTRY	4	8	12	20	50	First 4 (1-4)	Next 4 (5-8)	Next 4 (9-12)	Next 8 (13-20)	Next 30 (21-50)
		Largest Enterprises					Largest Enterprises				
2513	Sawmills & Planing Mills	0.0493	0.3375	0.5416	0.7560	1.0810	0.0493	0.4224	0.0187	0.1658	0.2064
2520 ^b	Veneer & Plywood Mills	0.4658	0.6575	0.3384	1.0408	1.6397	0.4658	0.2386	0.0485	0.1803	0.4154
2541	Sash, Door & Other Millwork Plants	0.1709	0.2660	0.3193	0.4142	0.5507	0.1709	0.0927	0.0628	0.0891	0.1498
2542	Hardwood Flooring Industry	0.6017	0.8342	0.9754	1.2735	—	0.6017	0.2571	0.0424	0.6247	—
2560	Wooden Box Factories	0.8006	0.9966	1.1350	1.4010	2.1107	0.8006	0.0647	0.1778	0.1966	0.3933
2580	Coffin & Casket Industry	0.7765	1.0335	1.2155	1.4215	—	0.7765	0.2657	0.0520	0.0789	—
2591	Wood Preservation	0.7636	1.3348	1.7164	2.3125	—	0.7636	0.2903	0.3389	0.4100	—
2610	Household Furniture Industry	0.3765	0.5174	0.5651	0.5941	0.6735	0.3765	0.0656	0.0437	0.0505	0.4314
2640	Office Furniture Industry	0.2225	0.4370	0.6010	0.9514	—	0.2225	0.2984	0.1603	0.3364	—
2660	Misc. Furniture Industry	0.4466	0.6075	0.6903	0.7919	0.9737	0.4466	0.0949	0.0511	0.0988	0.1597
2680	Electric Lamp & Shade Industry	0.1755 ^c	0.2461 ^c	0.3868	0.5336	1.1022	0.1755 ^c	0.1396 ^c	0.0881 ^c	0.1085	0.6204
2710	Total Pulp & Paper Mills	0.4658	0.6762	0.8171	1.0411	1.6397	0.4658	0.2386	0.0485	0.1803	0.4154
2720	Asphalt & Roofing Manufacturers	0.3345	x	—	—	—	0.3345	x	—	—	—
2731	Mfrs. of Folding Cartons & Set-up Boxes	0.5262	0.7332	0.8783	1.1027	1.6918	0.5262	0.1516	0.1315	0.1201	0.3715
2732	Mfrs. of Corrugated Boxes	0.3093	0.5143	0.7096	1.1294	—	0.3093	0.0922	0.2891	0.8958	—
2733	Paper & Plastic Bag Mfrs.	0.2982	0.4324	0.5597	0.8797	1.6050	0.2982	0.0992	0.1241	0.3006	0.4297
2740	Misc. Paper Converters	0.3999	0.5734	0.6720	0.7977	1.1952	0.3999	0.0944	0.0868	0.1303	0.2927
2850	Commercial Printing, Publishing Only, Publishing and Printing	0.2912	0.3587	0.4129	0.5106	0.8514	0.2912	0.0549	0.1194	0.1309	0.3058
2870	Platemaking, Typesetting & Trade Bindery Plants	0.5539	0.7279	0.8263	0.9519	1.2586	0.5539	0.0579	0.0504	0.0985	0.2486

**COEFFICIENTS OF VARIATION OF VALUE OF FACTORY SHIPMENTS, CUMULATIVELY AND BY DISCRETE GROUPS OF
LARGE ENTERPRISES, IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-9

S.I.C. No.	INDUSTRY	4	8	12	20	50	First 4 (1-4)	Next 4 (5-8)	Next 4 (9-12)	Next 8 (13-20)	Next 30 (21-50)
		Largest Enterprises					Largest Enterprises				
2910 ^b	Iron & Steel Mills	0.5005	0.9714	1.2852	1.7523	—	0.5005	0.6178	0.0688	0.2878	—
2920	Steel Pipe & Tube Mills	0.6755	1.0397	x	—	—	0.6755	0.5056	x	—	—
2940	Iron Foundries	0.6752	0.8756	1.0233	1.2615	0.9505	0.6752	0.1215	0.1031	0.2652	0.3660
2960	Aluminum Rolling, Casting & Extruding	0.9583	1.5069	1.9366	2.5794	—	0.9583	0.5102	0.0471	0.3224	—
2970	Copper & Alloy, Rolling, Casting & Extruding	x	1.3707	1.7835	2.3944	3.9066	x	x	0.2427	0.1484	0.5778
2980	Metal Rolling, Casting & Extruding, N.E.S.	0.7280	1.0275	1.2399	1.5663	2.4904	0.7280	0.0793	0.2059	0.2756	0.5046
3010	Boiler & Plate Works	0.4258	0.7274	0.8881	1.1221 ^c	1.7865	0.4258	0.1783	0.0596	0.2940	0.3796 ^c
3020	Fabricated Structural Metal Industry	0.8102	1.0151	1.1210	1.3479	2.0752	0.8102	0.0294	0.1504	0.2122	0.4635
3030	Ornamental & Architectural Metal	0.2103	0.3953	0.5224	0.6349	0.8648	0.2103	0.0766	0.0379	0.0783	0.2415
3040	Total Metal Stamping, Pressing & Coating Industry	0.6498	0.9882	1.1622	1.4134	1.9468	0.6498	0.0635	0.0891	0.0738	0.3098
3050	Wire & Wire Products Manufacturers	1.0277	1.3933	1.5480	1.7890	2.5978	1.0277	0.0240	0.0547	0.2521	0.3999
3060	Hardware, Tool & Cutlery Mfrs.	0.2350	0.3353	0.3942	0.4903	0.8087	0.2350	0.0568	0.0267	0.1463	0.2853
3070	Heating Equipment Mfrs.	0.2781	0.4272	0.5305	0.6896	1.0693	0.2781	0.1420	0.1520	0.1093	0.3458
3080	Machine Shops	0.3811	0.4382	0.4837	0.5508	0.6729	0.3811	0.0913	0.0783	0.0624	0.1410
3110	Agricultural Implement Industry	0.3415	0.8054	1.1064	1.5370	2.5839	0.3415	0.4270	0.1518	0.3716	0.4950
3150	Misc. Machinery & Equipment Mfrs.	0.1225	0.2735	0.3854	0.5109	0.7316	0.1225	0.1659	0.0722	0.0735	0.2009
3160	Commercial Refrigeration & Air Conditioning Equip. Mfrs.	0.2999	0.5661	0.7301 ^c	0.9776	—	0.2999	0.1262	0.2413 ^c	0.2451 ^c	—
3180	Office & Store Machinery Mfrs.	0.8265	1.2089	1.5097	2.0624	—	0.8265	0.1318	0.5724	0.2630	—

**COEFFICIENTS OF VARIATION OF VALUE OF FACTORY SHIPMENTS, CUMULATIVELY AND BY DISCRETE GROUPS OF
LARGE ENTERPRISES, IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-9

S.I.C. No.	INDUSTRY	4	8	12	20	50	First 4 (1-4)	Next 4 (5-8)	Next 4 (9-12)	Next 8 (13-20)	Next 30 (21-50)
		Largest Enterprises					Largest Enterprises				
3210 ^b	Aircraft & Parts Mfrs.	0.5498	1.0868	1.3966	1.8127	2.9648	0.5498	0.2748	0.0445	0.2125	0.9126
3230 ^b	Motor Vehicle Mfrs.	0.6797	1.2850	1.6974	—	—	0.6797	0.5512	0.1968	—	—
3240	Truck Body & Trailer Mfrs.	0.1633	0.4750	0.6090	0.8425	1.4013	0.1633	0.1429	0.1161	0.2590	0.2894
3250 ^b	Motor Vehicle Parts & Accessories Mfrs.	0.8931	1.2819	1.4905	1.8208	2.6196	0.8931	0.0621	0.0621	0.1986	0.3104
3260	Railroad Rolling Stock Industry	0.2899	0.8247	—	—	—	0.2899	0.2197	—	—	—
3270	Shipbuilding & Repair	0.3558	0.6686	1.0040	1.4357	2.3835	0.3558	0.2577	0.2545	0.0953	0.4940
3280	Boatbuilding & Repair	0.2527	0.3274	0.4404	0.5717	0.9453	0.2527	0.1382	0.0202	0.1384	0.2660
3290	Misc. Vehicle Manufacturers	1.0600	1.5376 ^c	1.9309 ^c	—	—	1.0600	0.5349 ^c	0.3082 ^c	—	—
3310	Mfrs. of Small Electrical Appliances	0.3491	0.6626	0.8434	1.0763	1.7803	0.3491	0.3754	0.0417	0.1498	0.8113
3320	Mfrs. of Major Appliances Electrical & Non Electrical	0.0782	0.2149	0.4716	0.7396	—	0.0782	0.2110	0.1795	0.1572	—
3340	Mfrs. of Household Radio & TV Receivers	0.1646	0.3088	0.5859 ^c	1.0584	—	0.1646	0.2488	0.4772 ^c	1.4960 ^c	—
3350	Communications Equipment Mfrs.	0.7262	0.9804	1.2476	1.6296	2.5079	0.7262	0.2662	0.0822	0.1543	0.3040
3360	Mfrs. of Electrical Industrial Equipment	0.7301	1.0704	1.2982	1.6814	2.5968	0.7301	0.2443	0.0431	0.1273	0.5143
3370	Battery Manufacturers	0.4531	0.9006	x	—	—	0.4531	0.7208	x	—	—
3380	Manufacturers of Electrical Wire and Cable	0.4319	0.7596	1.0296	—	—	0.4319	0.3028	0.3084	—	—
3390	Mfrs. of Misc. Electrical Products	0.7447	1.0223	1.1679	1.3321	1.8618	0.7447	0.1782	0.0332	0.1185	0.3922
3410	Cement Manufacturers	0.7935	x	—	—	—	0.7935	x	—	—	—
3475	Concrete Products Mfrs. Ready-Mix Concrete Mfrs.	0.4467	0.6249	0.7348	0.8418	1.1464	0.4467	0.0978	0.0575	0.1195	0.2950

**COEFFICIENTS OF VARIATION OF VALUE OF FACTORY SHIPMENTS, CUMULATIVELY AND BY DISCRETE GROUPS OF
LARGE ENTERPRISES, IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-9

S.I.C. No.	INDUSTRY	4	8	12	20	50	First 4 (1-4)	Next 4 (5-8)	Next 4 (9-12)	Next 8 (13-20)	Next 30 (21-50)
		Largest Enterprises					Largest Enterprises				
3511	Clay Products Mfrs. -- domestic clays	0.5625	0.6415	0.8122	1.0455	1.6594	0.5625	0.1737	0.1114	0.1387	0.5580
3512	Clay Products Mfrs. -- imported clays	0.4963	0.8248	1.0427	1.3955	—	0.4963	0.3740	0.1518	0.3522	—
3530	Stone Products Manufacturers	0.5917	0.6351	0.6655	0.7026 ^c	0.9723	0.5917	0.1224	0.0513	0.0717 ^c	0.3249 ^c
3550	Asbestos Products Manufacturers	x	x	x	—	—	x	x	x	—	—
3561	Glass Manufacturers	x	1.4325	—	—	—	x	x	—	—	—
3562	Glass Products Manufacturers	0.8404	1.2859	1.5834	2.0077	3.0445	0.8404	0.1866	0.1145	0.1533	0.3227
3570	Abrasives Manufacturers	0.5097	0.9571	1.3013	—	—	0.5097	0.6267	0.5488	—	—
3650	Petroleum Refineries	0.4358	0.8419	1.1826	1.7194	—	0.4358	0.2714	0.5585	0.8696	—
3690	Other Petroleum & Coal Products Industry	0.3269	0.5469	0.6714	0.8152	—	0.3269	0.1501	0.0373	0.2421	—
3710	Explosives & Ammunition Mfrs.	x	—	—	—	—	x	—	—	—	—
3720	Mfrs. of Mixes Fertilizers	0.3564	0.6499	0.9106	1.2728	—	0.3564	0.1973	0.0853	0.4406	—
3730	Mfrs. of Plastics & Synthetic Resins	0.3937	x	0.8455	1.2568	—	0.3937	x	x	0.4152	—
3740	Total Mfrs. of Pharmaceuticals and Medicines	0.1642	0.2577	0.3059	0.3413	0.7839	0.1642	0.0977	0.0165	0.0698	0.5738
3750	Paint & Varnish Manufacturers	0.4794	0.8114	0.9595	1.1592	1.7748	0.4794	0.1243	0.0961	0.1766	0.3900
3760	Mfrs. of Soap & Cleaning Compounds	x	1.0384	1.3638	1.8287	3.0078	x	x	0.0352	0.2788	0.5860
3770	Mfrs. of Toilet Preparations	0.6177	0.6773	0.7387	0.9053	1.5593	0.6177	0.1221	0.0537	0.2602	0.8389
3780	Mfrs. of Industrial Chemicals	0.2175	0.3514	0.4997	0.7638	1.4162	0.2175	0.2630	0.1005	0.2275	0.6104
3791	Manufacturers of Printing Inks	0.3794	0.6762	0.9125	1.2649	—	0.3794	0.3259	0.1544	0.3379	—
3811	Instruments & Related Products Manufacturers	0.5461	x	1.1317	1.4304	2.1830	0.5461	x	x	0.2148	0.5042

**COEFFICIENTS OF VARIATION OF VALUE OF FACTORY SHIPMENTS, CUMULATIVELY AND BY DISCRETE GROUPS OF
LARGE ENTERPRISES, IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965**

TABLE A-9

S.I.C. No.	INDUSTRY	4	8	12	20	50	First 4 (1-4)	Next 4 (5-8)	Next 4 (9-12)	Next 8 (13-20)	Next 30 (21-50)
		Largest Enterprises					Largest Enterprises				
3812	Clock & Watch Manufacturers	0.4703 ^c	0.8368	1.1101	1.5282	--	0.4703 ^c	0.2751 ^c	0.1420	0.3953	--
3814	Ophthalmic Goods Mfrs.	0.7363	1.1797	1.4857	1.9477	--	0.7363	0.1157	0.1803	0.2078	--
3815	Dental Laboratories	0.6851	0.8406	0.9046 ^c	1.0150	1.3161	0.6851	0.0590	0.0885 ^c	0.1394 ^c	0.1872
3830	Broom, Brush & Mop Industry	0.5105	0.7383	0.8648	1.1241	1.8618	0.5105	0.1145	0.1326	0.1432	0.6214
3850	Plastic Fabricators	0.3422	0.4529	0.5638	0.7338	1.0090	0.3422	0.0546	0.0738	0.1565	0.1918
3931	Sporting Goods Industry	0.5538	0.7836	0.9663 ^c	1.2362	1.9095	0.5538	0.3272	0.1788 ^c	0.1316 ^c	0.4346
3932	Toys & Games Industry	0.3726	0.4081	0.4197	0.5330	1.0362	0.3726	0.0343	0.0568	0.2317	0.5994
3950	Fur Dressing & Dyeing Industry	0.2871	0.5672	0.8288	--	--	0.2871	0.3908	0.1344	--	--
3970	Signs & Displays Industry	0.6009	0.7098	0.7582	0.8642	1.2058	0.6009	0.0760	0.1338	0.1106	0.2250
3981	Button, Buckle & Fastener Ind.	0.7721	x	x	x	--	0.7721	x	x	x	--
3986	Musical Instrument & Sound Recording Industry	0.4001	x	x	x	--	0.4001	x	x	x	--
3988	Typewriter Supplies Mfrs.	0.5198 ^c	0.8526	--	--	--	0.5198 ^c	0.1989 ^c	--	--	--
3989	Fountain Pen & Pencil Manufacturers	0.2590	0.4994	0.6795	--	--	0.2590	0.2315	0.2614	--	--
9990	Leather Glove Factories, Fabric Glove Manufacturers	0.3761	0.4070	0.4214 ^c	0.4827	1.0037	0.3761	0.0393	0.0520	0.1804	0.6914

EXPLANATION OF FOOTNOTES

- b** Enterprises ranked or measured by Value Added
- c** Estimated
- Not Applicable
- x** Withheld to avoid disclosing figures for individual enterprise

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY CUMULATIVE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965.**

TABLE A-10

S.I.C. No.	INDUSTRY	4		8		12		20		50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
1010	Slaughtering & Meat Processors	208,896	151,203	121,547	138,277	85,701	123,761	55,634	102,695	25,342	69,514
1030	Poultry Processors	11,651	3,094	9,064	3,406	7,802	3,305	6,191	3,287	3,502	3,642
1060	Dairy Factories and Process Cheese Mfrs.	66,724	26,043	46,209	28,851	36,159	27,175	25,905	24,207	13,219	18,371
1110	Fish Products Industry	24,975	14,023	17,541	12,415	13,161	11,881	9,070	10,485	4,519	7,605
1120	Fruit & Vegetable Canners & Preservers	42,787	10,669	28,339	16,358	21,551	16,470	14,928	15,121	7,470	11,355
1230 ^b	Feed Manufacturers	27,601	8,987	18,706	11,302	14,179	11,068	10,094	10,222	4,968	7,758
1240	Flour Mills	48,683	24,614	27,560	27,432	19,345	25,231	12,104	21,466	-	-
1250	Breakfast Cereal Manufacturers	x	8,410	x	7,827	x	6,959	-	-	-	-
1280	Biscuit Manufacturers	17,279	9,910	10,735	9,609	7,770	8,897	4,981	7,694	-	-
1290	Bakeries	35,815	7,519	24,364	12,756	18,324	13,477	12,331	12,779	5,648	9,764
1310	Confectionery Manufacturers	21,877	13,405	15,336	11,557	11,767	10,707	7,931	9,539	3,583	7,598
1330	Sugar Refineries	x	10,753	19,095	18,390	-	-	-	-	-	-
1350	Vegetable Oil Mills	x	12,062	x	11,930	-	-	-	-	-	-
1391	Macaroni Manufacturers	x	3,703	x	3,303	1,871	2,921	-	-	-	-
1392	Miscellaneous Food Mfrs.	46,339	24,510	34,174	21,265	27,036	20,096	19,206	18,325	9,814	13,927
1410	Soft Drink Manufacturers	23,058	13,379	13,551	13,428	9,980	12,072	6,709	10,175	3,120	7,070
1430	Distilleries	48,101	28,944	27,718	29,054	x	26,609	-	-	-	-

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY CUMULATIVE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965.**

TABLE A-10

S.I.C. No.	INDUSTRY	4		8		12		20		50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
1450	Breweries	70,562	43,338	37,175	45,346	x	40,911	-	-	-	-
1470	Wineries	4,108	1,539	2,740	1,784	x	1,865	-	-	-	-
1510	Leaf Tobacco Processing	22,976	10,350	12,320	12,945	8,291	12,008	-	-	-	-
1530	Tobacco Products Mfrs.	64,017	41,657	35,010	41,471	23,354	37,660	-	-	-	-
1610	Rubber Footwear Mfrs.	8,539	2,808	-	-	-	-	-	-	-	-
1630	Rubber Tire & Tube Mfrs.	54,433	18,208	-	-	-	-	-	-	-	-
1690	Other Rubber Industries	21,727	8,247	14,995	8,984	11,623	8,749	8,109	8,054	3,577	6,284
1720	Leather Tanneries	10,494	5,123	6,334	5,531	4,568	5,162	2,919	4,481	-	-
1740	Shoe Factories	10,388	3,889	7,735	3,867	6,295	3,759	4,874	3,396	2,935	2,682
1792	Boot & Shoe Findings Mfrs.	1,732	611	1,183	684	960	659	681	617	-	-
1799	Misc. Leather Products Mfrs.	2,875	486	2,362	659	1,962	784	1,535	802	883	741
1830 ^b	Cotton Yarn & Cloth Mills	x	75,844	36,265	61,010	25,338	52,464	-	-	-	-
1950 ^b	Wool Yarn Mills Wool Cloth Mills	10,897	2,700	8,549	3,304	6,987	3,495	5,222	3,495	2,593	3,129
2010	Total Synthetic Textile Mills	50,276	22,216	33,793	23,118	24,873	22,707	16,758	20,208	7,473	14,881
2110	Fibre Preparing Mills	2,326 ^c	833	1,699	939	1,323	934	892	900	-	-
2120	Thread Mills	3,064	2,083	1,916 ^c	1,878	1,361 ^c	1,722	-	-	-	-
2130	Cordage & Twine Industry	4,925 ^c	2,658	3,192 ^c	2,825	2,177 ^c	2,730	-	-	-	-

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY CUMULATIVE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965.**

TABLE A-10

S.I.C. No.	INDUSTRY	4		8		12		20		50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
2140	Narrow Fabric Mills	5,213	2,107	3,231	2,524	2,407	2,368	1,605	2,082	-	-
2150	Pressed & Punched Felt Mills	1,867 ^c	1,238	1,098 ^c	1,148	765	1,051	-	-	-	-
2160	Carpet, Mat & Rug Industry	12,547	3,882	8,308	5,091	6,264 ^c	5,085	3,989	4,819	-	-
2180	Textile Dyeing & Finishing Plants	2,689	687	2,222	681	1,835	803	1,278	927	607	804
2190	Linoleum & Coated Fabrics Ind.	9,283	6,440	5,241	6,119	3,674	5,466	-	-	-	-
2210	Canvas Products Industry	1,999	751	1,472	770	1,185	751	842	718	420	571
2230	Cotton & Jute Bag Industry	4,168	3,215	2,934	2,588	2,300	2,299	1,527	2,018	-	-
2291	Auto Fabric Accessory Mfrs.	6,356 ^c	3,954	4,162 ^c	4,164	2,913	3,835	1,804 ^c	3,266	-	-
2292	Embroidery, Pleating, Hemstitching	x	125	604	197	497	220	383	220	218	196
2310	Hosiery Mills	3,674	346	2,990	782	2,606	839	2,092	907	1,296	881
2390	Other Knitting Mills	8,713	2,974	7,044	2,692	6,228	2,491	5,145	2,350	3,189	2,216
2431	Total Men's Clothing Factories	10,557	2,396	8,645	2,599	7,513	2,664	6,055	2,737	3,862	2,515
2432	Men's Clothing Contractors	877	291	718	263	618	259	495	251	315	219
2441	Total Women's Clothing Factories	6,169	1,548	4,823	1,735	4,238	1,644	3,611	1,488	2,595	1,270
2442	Women's Clothing Contractors	410	72	358	73	329	73	292	73	210	83
2450	Children's Clothing Industry	3,199	938	2,641	867	2,378	802	1,997	784	1,342	739
2460	Fur Goods Industry	2,981	1,529	2,055	1,425	1,670	1,285	1,256	1,118	750	821

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY CUMULATIVE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965.**

TABLE A-10

S.I.C. No.	INDUSTRY	4		8		12		20		50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
2470	Total Hat & Cap Industry	1,565	663	1,183	607	999	560	790	505	457	423
2480	Foundation Garment Industry	5,724	2,266	4,229	2,212	2,492	2,089	2,541	1,998	-	-
2511	Shingle Mills	2,829	803	2,163	888	1,688	986	1,169 ^c	999	508	833
2513	Sawmills & Planing Mills	36,444	1,796	29,199	9,855	22,650	12,269	16,285	12,312	9,058	9,793
2520 ^b	Veneer & Plywood Mills	24,373	11,355	16,783	11,035	12,932	10,567	9,093	9,464	4,373	7,170
2541	Sash, Door & Other Millwork Plants	4,318	738	3,552	945	3,113	994	2,534	1,050	1,722	948
2542	Hardwood Flooring Industry	2,841 ^c	1,710	1,924	1,605	1,487	1,450	1,002	1,275	-	-
2560	Wooden Box Factories	3,926	3,143	2,599	2,589	2,005	2,276	1,374	1,925	643	1,357
2580	Coffin & Casket Industry	1,732	1,350	1,106	1,142	832	1,010	589	837	-	-
2591	Wood Preservation	7,495	5,723	4,004	5,345	2,746	4,713	1,677	3,878	-	-
2610	Household Furniture Industry	6,458	2,432	4,726	2,445	3,988	2,254	3,281	1,949	2,237	1,507
2640	Office Furniture Industry	7,049	1,568	5,196	2,271	4,073	2,448	2,682	2,552	-	-
2660	Misc. Furniture Industry	7,688	3,434	5,449	3,310	4,435	3,061	3,399	2,691	2,076	2,021
2680	Electric Lamp & Shade Industry	1,243 ^c	218	1,068 ^c	263	886	343	683	365	336	369
2710	Total Pulp & Paper Mills	188,072	38,635	138,968	56,401	115,257	57,507	86,779	57,024	41,984	51,889
2720	Asphalt Roofing Manufacturers	10,659	3,566	x	4,626	-	-	-	-	-	-
2731	Mfrs. of Folding Cartons & Set-up Boxes	15,118	7,956	10,211	7,487	7,898	6,938	5,536	6,104	2,672	4,519

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY CUMULATIVE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965.**

TABLE A-10

S.I.C. No.	INDUSTRY	4		8		12		20		50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
2732	Mfrs. of Corrugated Boxes	28,137	8,705	19,958	10,265	15,204	10,787	9,596	10,836	-	-
2733	Paper & Plastic Bag Mfrs.	13,257	3,953	9,994	4,323	8,035	4,497	5,403	4,754	2,414	3,875
2740	Misc. Paper Converters	19,316	7,725	13,697	7,855	11,054	7,429	8,341	6,654	4,433	5,297
2850	Commercial Printing, Publishing Only, Publishing and Printing	33,683	9,810	26,978	9,679	23,218	9,588	18,507	9,451	10,503	8,941
2870	Platemaking, Typesetting & Trade Bindery Plants	3,855	2,136	2,652	1,931	2,118	1,749	1,582	1,506	885	1,113
2910 ^b	Iron & Steel Mills	238,286	119,271	137,782	133,854	96,380	123,869	60,322	105,730	-	-
2920	Steel Pipe & Tube Mills	38,851	26,244	23,390	24,320	x	22,148	-	-	-	-
2940	Iron Foundries	18,717	12,638	12,467	10,917	9,582	9,806	6,662	8,405	3,121	6,055
2960	Aluminum Rolling, Casting & Extruding	34,079	32,662	18,500	27,878	12,535	24,276	7,650	19,732	-	-
2970	Copper & Alloy, Rolling, Casting & Extruding	x	35,564	23,924	32,793	16,211	28,912	9,896	23,693	4,027	15,732
2980	Metal Rolling, Casting & Extruding	19,147	13,939	11,925	12,222	8,833	10,899	5,869	9,193	2,574	6,408
3010	Boiler & Plate Works	13,215	5,628	8,504	6,186	6,512	5,784	4,540 ^c	5,095	2,119	3,786
3020	Fabricated Structural Metal Ind.	43,692	35,400	28,728	29,164	22,613	25,350	15,829	21,336	7,319	15,189
3030	Ornamental & Architectural Metal	9,080	1,910	6,778	2,680	5,476	2,861	4,236	2,689	2,549	2,205
3040	Total Metal Stamping, Pressing & Coating Industry	55,132	35,829	33,630	33,233	25,405	29,527	17,554	24,811	8,856	17,240
3050	Wire & Wire Products Mfrs.	43,144	44,340	25,738	35,861	19,703	30,500	13,815	24,714	6,449	16,754
3060	Hardware, Tool & Cutlery Mfrs.	8,796	2,067	6,980	2,340	5,997	2,364	4,808	2,357	2,781	2,249

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY CUMULATIVE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965.**

TABLE A-10

S.I.C. No.	INDUSTRY	4		8		12		20		50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
3070	Heating Equipment Mfrs.	7,713	2,145	5,795	2,476	4,747	2,518	3,546	2,445	1,919	2,051
3080	Machine Shops	2,985	1,137	2,351	1,030	2,009	972	1,619	892	1,075	723
3110	Agricultural Implement Industry	51,035	17,429	30,229	24,349	21,293	23,559	13,428	20,639	5,622	14,527
3150	Misc. Machinery & Equipment Mfrs.	29,706	3,641	24,049	6,580	20,113	7,752	15,751	8,049	9,741	7,127
3160	Commercial Refrigeration & Air Conditioning Equip. Mfrs.	6,187	1,856	4,209	2,382	3,269 ^c	2,387	2,259	2,209	-	-
3180	Office & Store Machinery Mfrs.	20,483	16,928	12,094	14,621	8,574 ^c	12,944	5,247 ^c	10,823	-	-
3210 ^b	Aircraft & Parts Mfrs.	75,732	41,645	41,541	45,146	29,151	40,713	18,792	34,066	7,868	23,327
3230 ^b	Motor Vehicle Manufacturers	495,090	336,536	260,166	334,309	175,643	298,151	-	-	-	-
3240	Truck Body & Trailer Mfrs.	9,615	1,571	6,671	3,169	5,307	3,232	3,748	3,157	1,817	25,462
3250 ^b	Motor Vehicle Parts & Accessories Mfrs.	101,768	90,901	59,752	76,599	44,512	66,348	29,968	54,568	14,108	36,958
3260	Railroad Rolling Stock Industry	35,198	10,204	20,202	16,662	-	-	-	-	-	-
3270	Shipbuilding & Repair	45,001	16,010	29,245	19,556	20,296	20,378	12,743	18,296	5,459	13,012
3280	Boatbuilding & Repair	1,302	329	1,077	353	889	392	688	393	377	356
3290	Misc. Vehicle Manufacturers	6,272	6,649	3,542 ^c	5,445	2,440 ^c	4,710	-	-	-	-
3310	Mfrs. of Small Electrical Appliances	13,135	4,586	8,586	5,688	6,512	5,493	4,544	4,892	2,079	3,701
3320	Mfrs. of Major Appliances Electrical & Non-electrical	29,246	2,288	25,157	5,406	19,488	9,191	13,653	10,099	-	-
3340	Mfrs. of Household Radio & T V Receivers	20,723	3,413	16,739	5,170	12,700 ^c	7,440	7,747	8,199	-	-

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY CUMULATIVE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965.**

TABLE A-10

S.I.C. No.	INDUSTRY	4		8		12		20		50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
3350	Communications Equipment Mfrs.	60,696	44,079	38,920	38,159	27,913	34,830	18,119	29,527	8,127	20,382
3360	Mfrs. of Electrical Industrial Equip.	56,518	41,268	34,312	36,729	25,161	32,663	16,357	27,504	7,283	18,913
3370	Battery Manufacturers	11,316	5,128	6,654	5,993	x	5,759	-	-	-	-
3380	Mfrs. of Electrical Wire and Cable	49,802	21,510	31,522	23,948	22,610	23,279	-	-	-	-
3390	Mfrs. of Misc. Electrical Prod.	22,745	16,946	14,340	14,661	11,013	12,862	7,984	10,635	4,016	7,477
3410	Cement Manufacturers	27,808	22,067	x	18,788	-	-	-	-	-	-
3475	Concrete Products Mfrs. Ready-Mix Concrete Mfrs.	21,415	9,566	14,974	9,339	11,934	8,770	9,083	7,646	5,105	5,853
3511	Clay Products Mfrs. - domestic clays	4,428	2,491	3,301	2,108	2,519	2,046	1,760	1,839	837	1,389
3512	Clay Products Mfrs. - imported clays	5,050	2,506	3,164	2,610	2,334	2,434	1,527	2,130	-	-
3530	Stone Products Manufacturers	745	441	567	360	479	319	387 ^c	272	226	219
3550	Asbestos Products Manufacturers	x	7,821	x	6,940	3,837	6,191	-	-	-	-
3561	Glass Manufacturers	x	17,251	10,555	15,120	-	-	-	-	-	-
3562	Glass Products Manufacturers	13,890	11,673	7,926	10,192	5,639	8,929	3,652	7,333	1,618	4,926
3570	Abrasives Manufacturers	12,338	6,290	7,179	6,871	4,948	6,438	-	-	-	-
3650	Petroleum Refineries	282,991	123,348	170,018	143,142	117,264	138,710	70,734	121,623	-	-
3690	Other Petroleum & Coal Products Ind.	1,817	594	1,269	694	1,009	677	752	613	-	-
3710	Explosives & Ammunition Mfrs.	x	23,139	-	-	-	-	-	-	-	-

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY CUMULATIVE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965.**

TABLE A-10

S.I.C. No.	INDUSTRY	4		8		12		20		50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
3720	Mfrs. of Mixed Fertilizers	13,801	4,919	9,075	5,899	6,568	5,981	4,266	5,429	-	-
3730	Mfrs. of Plastics & Synthetic Resins	23,985	9,444	x	9,984	12,182	10,300	7,706	9,683	-	-
3740	Total Mfrs. of Pharmaceuticals and Medicines	12,626	2,073	10,442	2,691	9,222	2,795	7,918	2,703	4,412	3,459
3750	Paint & Varnish Manufacturers	22,286	10,685	13,912	11,289	10,707	10,274	7,611	8,822	3,640	6,460
3760	Mfrs. of Soap & Cleaning Compounds	x	19,131	21,464	22,290	14,955	20,395	9,405	17,199	3,912	11,767
3770	Mfrs. of Toilet Preparations	x	5,845	x	4,981	6,094	4,502	4,457	4,035	2,069	3,226
3780	Mfrs. of Industrial Chemicals	65,622	14,270	52,124	18,320	41,835	20,905	29,804	21,960	13,582	19,236
3791	Manufacturers of Printing Inks	3,599	1,366	2,357	1,594	1,729	1,577	1,371	1,427	1,128	-
3811	Instruments & Related Products Manufacturers	24,037	13,129	14,344 ^c	13,200	10,727	12,140	7,227	10,338	3,333	7,276
3812	Clock & Watch Manufacturers	4,151 ^c	1,952	2,659	2,225	1,899	2,108	1,207	1,843	-	-
3814	Ophthalmic Goods Mfrs.	4,662	3,432	2,664	3,143	1,882	2,795	1,194	2,324	-	-
3815	Dental Laboratories	747	512	513	431	417 ^c	377	315	319	176	232
3830	Broom, Brush & Mop Industry	4,039	2,062	2,692	1,988	2,108	1,823	1,448	1,628	654	1,218
3850	Plastic Fabricators, N.E.S.	10,330	3,534	7,825	3,544	6,342	3,576	4,687	3,440	2,699	2,722
3931	Sporting Goods Industry	5,971	3,307	3,970	3,111	3,006 ^c	2,905	2,043	2,524	957	1,827
3932	Toys & Games Industry	2,980	1,110	2,397	978	2,122	890	1,675	893	856	887
3950	Fur Dressing & Dyeing Industry	1,300	373	892	504	648	537	-	-	-	-

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY CUMULATIVE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES, 1965.**

TABLE A-10

S.I.C. No.	INDUSTRY	4		8		12		20		50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
3970	Signs & Displays Industry	2,862	1,720	2,058	1,460	1,706	1,293	1,298	1,121	711	857
3981	Button, Buckle & Fastener Ind.	3,275	2,528	x	2,219	x	1,946	x	1,639	-	-
3986	Musical Instrument & Sound Recording Industry	4,489	1,796	x	1,976	x	2,038	x	1,873	-	-
3988	Typewriter Supplies Mfrs.	1,886 ^c	980	1,232	1,050	-	-	-	-	-	-
3989	Fountain Pen & Pencil Manufacturers	2,470 ^c	640	1,854 ^c	926	1,416	962	-	-	-	-
9990	Leather Glove Factories, Fabric Glove Manufacturers	1,432	539	1,157	471	1,021	430	841	405	430	431

EXPLANATION OF FOOTNOTES

- b** Enterprises ranked or measured by Value Added
- c** Estimated
- Not Applicable
- x** Withheld to avoid disclosing figures for individual enterprise

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY SINGLE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES 1965**

TABLE A-11

S.I.C. No.		1 - 4		5 - 8		9 - 12		13 - 20		21 - 50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
1010	Slaughtering & Meat Processors	208,896	151,203	34,199	10,808	14,008	1,523	10,535	690	5,147	1,779
1030	Poultry Processors	11,651	3,094	6,477	487	5,278	93	3,776	948	1,708	497
1060	Dairy Factories and Process Cheese Mfrs.	66,724	26,043	25,694	4,899	16,060	667	10,523	2,460	4,762	1,414
1110	Fish Products Industry	24,975	14,023	10,107	1,036	4,401	287	2,932	570	1,486	299
1120	Fruit & Vegetable Canners & Preservers	42,787	10,669	13,891	1,968	7,975	1,449	4,994	527	2,498	801
1230 ^b	Feed Manufacturers	27,601	8,987	9,812	1,602	5,125	752	3,965	537	1,551	451
1240	Flour Mills	48,683	24,614	6,436	2,597	2,917	245	1,243	679	-	-
1250	Breakfast Cereal Mfrs.	x	8,410	x	435	x	49	-	-	-	-
1280	Biscuit Manufacturers	17,279	9,910	4,192	914	1,839	279	797	282	-	-
1290	Bakeries	35,815	7,519	12,914	2,591	6,245	731	3,341	1,056	1,193	308
1310	Confectionery Manufacturers	21,877	13,405	8,796	1,359	4,627	585	2,178	605	684	282
1330	Sugar Refineries	x	10,753	x	2,191	-	-	-	-	-	-
1350	Vegetable Oil Mills	x	12,062	x	410	-	-	-	-	-	-
1391	Macaroni Manufacturers	x	3,703	x	123	x	104	-	-	-	-
1392	Miscellaneous Food Mfrs.	46,339	24,510	22,008	2,764	12,761	1,242	7,461	1,948	3,553	1,180
1410	Soft Drink Manufacturers	23,058	13,379	4,043	926	2,839	326	1,802	253	727	151
1430	Distilleries	48,101	28,944	6,936	1,789	x	1,356	-	-	-	-

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY SINGLE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES 1966**

TABLE A-11

S.I.C. No.		1 - 4		5 - 8		9 - 12		13 - 20		21 - 50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
1450	Breweries	70,562	43,338	3,788	2,259	x	247	-	-	-	-
1470	Wineries	4,108	1,539	1,372	503	x	177	-	-	-	-
1510	Leaf Tobacco Processing	22,976	10,350	1,664	978	233	109	-	-	-	-
1530	Tobacco Products Mfrs.	64,017	41,657	6,002	4,642	44	30	-	-	-	-
1610	Rubber Footwear Mfrs.	8,539	2,808	-	-	-	-	-	-	-	-
1630	Rubber Tire & Tube Mfrs.	54,433	18,208	-	-	-	-	-	-	-	-
1690	Other Rubber Industries	21,727	8,246	8,262	1,658	4,879	126	2,839	1,012	556	373
1720	Leather Tanneries	10,494	5,123	2,174	567	1,036	178	446	148	-	-
1740	Shoe Factories	10,388	3,889	5,089	881	3,415	211	2,743	247	1,642	344
1792	Boot & Shoe Findings Mfrs.	1,732	611	633	77	470	81	263	89	-	-
1799	Misc. Leather Products Mfrs.	2,875	486	1,848	323	1,164	61	893	110	448	123
1830 ^b	Cotton Yarn & Cloth Mills	x	75,844	x	1,285	3,484	1,123	-	-	-	-
1950 ^b	Wool Yarn Mills Wool Cloth Mills	10,897	2,700	6,192	280	3,871	897	2,569	229	1,262	607
2010	Total Synthetic Textile Mills	50,276	22,216	17,311	5,649	7,033	800	4,585	695	1,283	1,030
2110	Fibre Preparing Mills	2,326 ^c	833	1,072 ^c	150	570	82	245	125	-	-
2120	Thread Mills	3,064	2,083	769 ^c	313	250 ^c	88	-	-	-	-
2130	Cordage & Twine Industry	4,925 ^c	2,658	1,459 ^c	885	147 ^c	43	-	-	-	-

AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY SINGLE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES 1965

TABLE A-11

S.I.C. No.		1 - 4		5 - 8		9 - 12		13 - 20		21 - 50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
2140	Narrow Fabric Mills	5,213	2,107	1,250	666	758	58	402	109	-	-
2150	Pressed & Punched Felt Mills	1,867 ^c	1,238	329 ^c	177	101 ^c	48	-	-	-	-
2160	Carpet, Mat & Rug Industry	12,547	3,882	4,068	911	2,178 ^c	432	576 ^c	435	-	-
2180	Textile Dyeing & Finishing Plants	2,689	687	1,755	138	1,061	334	442	114	160	69
2190	Linoleum & Coated Fabrics Ind.	9,283	6,483	1,199	450	542	83	-	-	-	-
2210	Canvas Products Industry	1,999	751	946	260	611	100	328	56	138	34
2230	Cotton & Jute Bag Industry	4,168	3,215	1,700	149	1,031	211	369	119	-	-
2291	Auto Fabric Accessory Mfrs.	6,356 ^c	3,954	1,969 ^c	307	412 ^c	184	141	42	-	-
2292	Embroidery, Pleating, Hemstitching	x	125	x	52	285	21	212	10	108	31
2310	Hosiery Mills	3,674	346	2,306	410	1,838	61	1,320	94	766	208
2390	Other Knitting Mills	8,713	2,974	5,376	276	4,594	346	3,520	318	1,885	507
2431	Total Men's Clothing Factories	10,557	2,396	6,734	672	5,248	306	3,869	340	2,400	454
2432	Men's Clothing Contractors	877	291	560	54	416	45	311	26	195	43
2441	Total Women's Clothing Factories	6,169	1,548	3,478	81	3,068	188	2,671	106	1,917	253
2442	Women's Clothing Contractors	410	72	307	15	272	12	237	15	155	23
2450	Children's Clothing Industry	3,199	938	2,083	23	1,853	112	1,425	153	906	161
2460	Fur Goods Industry	2,981	1,529	1,129	63	902	73	634	78	413	70

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY SINGLE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES 1966**

TABLE A-11

S.I.C. No.		1 - 4		5 - 8		9 - 12		13 - 20		21 - 50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
2470	Total Hat & Cap Industry	1,565	663	802	77	632	41	477	57	235	65
2480	Foundation Garment Industry	5,724	2,266	2,734	426	2,018	209	1,116	221	-	-
2511	Shingle Mills	2,829	803	1,498	209	736	94	390 ^c	125	68 ^c	54
2513	Sawmills & Planing Mills	36,444	1,796	21,954	9,273	9,552	179	6,738	1,118	4,240	875
2520 ^b	Veneer & Plywood Mills	24,373	11,355	9,193	2,194	5,230	254	3,334	601	1,226	509
2541	Sash, Door & Other Millwork Plants	4,318	738	2,785	258	2,234	140	1,667	149	1,181	177
2542	Hardwood Flooring Industry	2,841 ^c	1,710	1,007 ^c	259	612	26	274	171	-	-
2560	Wooden Box Factories	3,926	3,143	1,272	82	819	145	428	84	156	61
2580	Coffin & Casket Industry	1,732	1,350	479	127	284	15	225	18	-	-
2591	Wood Preservation	7,495	5,723	514	149	230	78	73	30	-	-
2610	Household Furniture Industry	6,458	2,432	2,994	197	2,512	110	2,221	112	1,542	203
2640	Office Furniture Industry	7,049	1,568	3,344	998	1,826	293	596	200	-	-
2660	Misc. Furniture Industry	7,688	3,434	3,210	305	2,406	123	1,845	182	1,194	191
2680	Electric Lamp & Shade Industry	1,243 ^c	218	894 ^c	125	522 ^c	46	380	41	104	64
2710	Total Pulp & Paper Mills	188,072	38,635	89,865	14,599	67,834	3,656	44,063	9,203	90,907	9,240
2720	Asphalt & Roofing Manufacturers	10,659	3,566	x	2,443	-	-	-	-	-	-
2731	Mfrs. of Folding Cartons & Boxes Set-up	15,118	7,956	5,304	805	3,273	430	1,993	239	762	283

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY SINGLE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES 1965**

TABLE A-11

S.I.C. No.		1 - 4		5 - 8		9 - 12		13 - 20		21 - 50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
2732	Mfrs. of Corrugated Boxes	28,137	8,705	11,780	1,087	5,694	1,646	1,184	1,061	-	-
2733	Paper & Plastic Bag Mfrs.	13,257	3,953	6,731	668	4,116	511	1,456	438	422	181
2740	Misc. Paper Converters	19,316	7,725	8,078	763	5,768	501	4,271	557	1,827	535
2850	Commercial Printing, Publishing Only, Publishing & Printing	33,683	9,810	20,274	1,114	15,696	1,876	11,441	1,498	5,166	1,580
2870	Platemaking, Typesetting & Trade Bindery Plants	3,855	2,136	1,450	84	1,048	53	778	77	420	104
2910 ^b	Iron & Steel Mills	238,286	119,271	37,278	23,034	13,576	934	6,236	1,795	-	-
2920	Steel Pipe & Tube Mills	38,851	26,244	7,928	4,009	x	1,340	-	-	-	-
2940	Iron Foundries	18,717	12,638	6,218	756	3,812	393	2,282	605	760	278
2960	Aluminum Rolling, Casting & Extruding	34,079	32,662	2,921	1,490	606	29	322	104	-	-
2970	Copper & Alloy, Rolling, Casting & Extruding	x	35,564	x	2,925	786	191	422	63	115	66
2980	Metal Rolling, Casting & Extruding, N.E.S.	19,147	13,939	4,703	373	2,650	546	1,423	392	377	190
3010	Boiler & Plate Works	13,215	5,628	3,793	676	2,529	151	1,581 ^c	465	506 ^c	192
3020	Fabricated Structural Metal Industry	43,692	35,400	13,765	404	10,383	1,562	5,652	1,200	1,646	763
3030	Ornamental & Architectural Metal Industry	9,080	1,910	4,476	343	2,872	109	2,375	186	1,425	344
3040	Total Metal Stamping, Pressing & Coating Industry	55,132	35,829	12,128	770	8,954	798	5,779	427	3,056	947
3050	Wire & Wire Products Manufacturers	43,144	44,340	8,333	200	7,634	418	4,982	1,256	1,539	615
3060	Hardware, Tool & Cutlery Mfrs.	8,796	2,067	5,163	294	4,031	107	3,024	442	1,431	408

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY SINGLE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES 1966**

TABLE A-11

S.I.C. No.		1 - 4		5 - 8		9 - 12		13 - 20		21 - 50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
3070	Heating Equipment Mfrs.	7,713	2,145	3,878	551	2,649	403	1,746	191	834	288
3080	Machine Shops	2,985	1,137	1,717	157	1,326	104	1,034	65	711	100
3110	Agricultural Implement Industry	51,035	17,429	9,423	3,937	3,422	520	1,631	606	418	206
3150	Misc. Machinery & Equipment Mfrs.	29,706	3,641	18,392	3,052	12,241	885	9,208	677	5,734	1,152
3160	Commercial Refrigeration & Air Conditioning Equip. Mfrs.	6,187	1,856	2,230	281	1,389 ^c	335	744 ^c	182	-	-
3180	Office & Store Machinery Mfrs.	20,483	16,928	3,704	488	1,534 ^c	878	257 ^c	67	-	-
3210 ^b	Aircraft & Parts Mfrs.	75,732	41,645	7,351	2,020	4,371	195	3,252	691	585	534
3230 ^b	Motor Vehicle Manufacturers	495,090	336,536	25,242	13,915	6,596	1,298	-	-	-	-
3240	Truck Body & Trailer Mfrs.	9,615	1,571	3,727	533	2,579	300	1,408	365	531	153
3250 ^b	Motor Vehicle Parts & Accessories Mfrs.	101,768	90,901	17,735	1,102	14,034	2,076	8,152	1,619	3,535	1,097
3260	Railroad Rolling Stock Industry	35,198	10,204	5,206	1,144	-	-	-	-	-	-
3270	Shipbuilding & Repair	45,001	16,010	13,490	3,477	2,398	611	1,413	135	603	298
3280	Boatbuilding & Repair	1,302	329	852	118	513	10	386	53	170	45
3290	Misc. Vehicle Manufacturers	6,272	6,649	811 ^c	434	236 ^c	73	-	-	-	-
3310	Mfrs. of Small Electrical Appliances	13,135	4,586	4,037	1,516	2,365	99	1,593	239	435	353
3320	Mfrs. of Major Appliances Electrical and Non Electrical	29,246	2,288	21,068	4,446	8,149	1,464	4,901	771	-	-
3340	Mfrs. of Household Radio & TV Receivers	20,723	3,413	12,756	3,175	4,620 ^c	2,205	317 ^c	474	-	-

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY SINGLE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES 1965**

TABLE A-11

S.I.C. No.		1 - 4		5 - 8		9 - 12		13 - 20		21 - 50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
3350	Communication Equipment Mfrs.	60,696	44,079	17,144	4,565	5,899	485	3,429	529	1,466	445
3360	Mfrs. of Electrical Industrial Equip.	56,518	41,268	12,106	2,958	6,858	296	3,152	401	1,234	634
3370	Battery Manufacturers	11,316	5,128	1,992	1,436	x	187	-	-	-	-
3380	Manufacturers of Electrical Wire and Cable	49,802	21,510	13,242	4,010	4,785	1,476	-	-	-	-
3390	Mfrs. of Misc. Electrical Products	22,754	16,946	5,926	1,057	4,359	145	3,440	408	1,372	538
3410	Cement Manufacturers	27,808	22,024	x	1,124	-	-	-	-	-	-
3475	Concrete Products Mfrs. Ready-Mix Concrete Mfrs.	21,415	9,566	8,534	835	5,853	337	4,807	574	2,454	724
3511	Clay Products Mfrs. - domestic clays	4,428	2,491	2,174	378	956	107	620	86	222	124
3512	Clay Products Mfrs. - imported clays	5,050	2,506	1,279	478	673	102	316	111	-	-
3530	Stone Products Manufacturers	745	441	389	48	304	16	248 ^c	18	118 ^c	38
3550	Asbestos Products Manufacturers	x	7,821	x	608	x	120	-	-	-	-
3561	Glass Manufacturers	x	17,251	x	2,069	-	-	-	-	-	-
3562	Glass Products Manufacturers	13,890	11,673	1,962	366	1,066	122	671	103	262	85
3570	Abrasives Manufacturers	12,338	6,290	2,019	1,265	486	267	-	-	-	-
3650	Petroleum Refineries	282,991	123,348	57,046	15,483	11,755	6,565	938	816	-	-
3690	Other Petroleum & Coal Products Industry	1,817	594	722	108	487	18	367	89	-	-
3710	Explosives & Ammunition Mfrs.	x	23,134	-	-	-	-	-	-	-	-

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY SINGLE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES 1965**

TABLE A-11

S.I.C. No.		1 - 4		5 - 8		9 - 12		13 - 20		21 - 50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
3720	Mfrs. of Mixed Fertilizers	13,801	4,919	4,350	859	1,554	133	812	357	-	-
3730	Mfrs. of Plastics & Synthetic Resins	23,985	9,444	x	1,261	x	979	991	412	-	-
3740	Total Mfrs. of Pharmaceuticals and Medicines	12,626	2,073	8,259	807	6,781	113	5,962	416	2,075	1,191
3750	Paint & Varnish Manufacturers	22,286	10,685	5,539	688	4,297	413	2,966	524	993	387
3760	Mfrs. of Soap & Cleaning Compounds	x	19,131	x	1,466	1,937	68	1,081	301	250	146
3770	Mfrs. of Toilet Preparations	9,461	5,845	5,246	641	3,576	192	2,002	521	477	400
3780	Mfrs. of Industrial Chemicals	65,622	14,270	38,627	10,160	21,257	2,139	11,757	2,675	2,768	1,689
3791	Mfrs. of Printing Inks	3,599	1,366	1,116	364	471	73	227	77	-	-
3811	Instruments & Related Products Manufacturers	24,037	13,129	4,651 ^c	1,070	3,494 ^c	153	1,977	425	737	372
3812	Clock & Watch Manufacturers	4,151 ^c	1,952	1,168 ^c	321	378	54	168	66	-	-
3814	Ophthalmic Goods Mfrs.	4,662	3,432	666	77	317	57	162	34	-	-
3815	Dental Laboratories	747	512	279	16	225 ^c	20	161 ^c	22	84	16
3830	Broom, Brush & Mop Industry	4,039	2,062	1,346	154	940	125	457	65	125	78
3850	Plastic Fabricators, N.E.S.	10,330	3,534	5,320	291	3,377	249	2,205	345	1,373	263
3931	Sporting Goods Industry	5,971	3,307	1,969	644	1,008 ^c	180	598 ^c	79	234	101
3932	Toys & Games Industry	2,980	1,110	1,814	62	1,571	89	1,005	233	310	186
3950	Fur Dressing & Dyeing Industry	1,300	373	484	189	162	22	-	-	-	-

**AVERAGE VALUE OF SHIPMENTS AND STANDARD DEVIATION, BY SINGLE GROUPS OF LARGE ENTERPRISES
IN 142 CANADIAN MANUFACTURING INDUSTRIES 1965**

TABLE A-11

S.I.C. No.		1 - 4		5 - 8		9 - 12		13 - 20		21 - 50	
		Largest Enterprises									
		Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)	Av. Value Shipments (\$'000)	Standard Deviation (\$'000)
3970	Signs & Displays Industry	2,862	1,704	1,253	95	1,004	134	685	76	320	72
3981	Button, Buckle & Fastener Ind.	3,275	2,528	x	103	x	30	x	72	-	-
3986	Musical Instruments & Sound Recording Industry	4,489	1,796	x	579	x	137	x	35	-	-
3988	Typewriter Supplies Mfrs.	1,886 ^c	980	579 ^c	115	-	-	-	-	-	-
3989	Fountain Pen & Pencil Manufacturers	2,470 ^c	640	1,238 ^c	287	540 ^c	141	-	-	-	-
9990	Leather Glove Factories Fabric Glove Mfrs.	1,432	539	881	35	749	39	570	103	156	107

EXPLANATION OF FOOTNOTES

- b** Enterprises ranked or measured by Value Added
- c** Estimated
- Not Applicable
- x** Withheld to avoid disclosing figures for individual enterprise

Table A-12

**154 Canadian Manufacturing Industries Ranked According to Levels
of Enterprise Concentration as Measured by Herfindahl Indexes^(a)**

S.I.C. No.	Industry	Concentration Rank by Herfindahl Index Based on		
		Ship- ments	Value Added ^(b)	Employ- ment
1010	Slaughtering and Meat Processors	58	68	69
1030	Poultry Processors	124	123	129
1060	Dairy Factories & Process Cheese Mfrs.	130	116	127
1110	Fish Products Industry	104	99	109
1120	Fruit & Vegetable Cannery & Preservers	108	103	111
1230	Feed Manufacturers	125	119	137
1240	Flour Mills	36	23	24
1250	Breakfast Cereal Manufacturers	10	6	8
1280	Biscuit Manufacturers	48	46	57
1290	Bakeries	122	105	126
1310	Confectionery Manufacturers	79	80	79
1330	Sugar Refineries	23	18	22
1350	Vegetable Oil Mills	21	32	54
1391	Macaroni Manufacturers	16	16	16
1392	Miscellaneous Food Mfrs.	112	95	124
1410	Soft Drink Manufacturers	101	92	104
1430	Distilleries	22	20	38
1450	Breweries	13	10	11
1470	Wineries	47	55	47
1510	Leaf Tobacco Processing	19	26	31
1530	Tobacco Products Manufacturers	14	13	9
1610	Rubber Footwear Mfrs.	28	30	34
1630	Rubber Tire & Tube Manufacturers	29	29	26
1690	Other Rubber Industries	86	79	86
1720	Leather Tanneries	49	50	45
1740	Shoe Factories	134	126	134
1792	Boot & Shoe Findings Mfrs.	83	91	78
1799	Misc. Leather Products Mfrs.	133	125	134
1830	Cotton Yarn & Cloth Mills	2	3	4
1950	Wool Yarn Mills, Wool Cloth Mills	109	108	112
2010-1	Mfrs. of Filament, Staple Fibre and Tow	9	4	17
-2	Synthetic Textile Spinners, Throwers & Weavers	74	53	55
2110	Fibre Preparing Mills	77	76	71
2120	Thread Mills	32	17	20
2130	Cordage & Twine Industry	33	45	29
2140	Narrow Fabric Mills	69	71	74
2150	Pressed & Punched Felt Mills	24	37	41
2160	Carpet, Mat & Rug Industry	67	49	49
2180	Textile Dyeing & Finishing Plants	105	102	105
2190	Linoleum & Coated Fabrics Industry	17	11	5
2210	Canvas Products Industry	113	113	117

Table A-12

**154 Canadian Manufacturing Industries Ranked According to Levels
of Enterprise Concentration as Measured by Herfindahl Indexes^(a)**

S.I.C. No.	Industry	Concentration Rank by Herfindahl Index Based on		
		Ship- ments	Value Added ^(b)	Employ- ment
2230	Cotton & Jute Bag Industry	60	58	62
2291	Auto Fabric Accessory Mfrs.	34	21	39
2292	Embroidery, Pleating, Hemstitching	128	124	123
2310	Hosiery Mills	136	122	131
2390	Other Knitting Mills	141	129	130
2431-1	Men's Suits & Overcoats	127		121
-2	Men's Trousers	106		96
-3	Men's Windbreakers & Work Pants	130		128
-4	Men's Overalls & Work Shirts	62		61
-5	Men's Fine Shirts	90		89
-6	Men's Other Clothing	110		108
-7	Men's Neckwear	63		58
2432	Men's Clothing Contractors	138	130	132
2441-1	Women's Coats & Suits	139	132	136
-2	Women's Dresses	144	138	145
-3	Women's Skirts & Blouses etc.	143	133	141
-4	Women's Other Outerwear	115	112	118
-5	Women's Lingerie	119	114	115
2442	Women's Clothing Contractors	148	140	146
2450	Children's Clothing Industry	142	134	140
2460	Fur Goods Industry	140	135	143
2470-1	Caps	100	98	88
-2	Men's Hats	7	7	6
-3	Women's & Children's Hats	121	115	120
-4	Hat & Cap Makers' Materials	25	38	7
2480	Foundation Garment Industry	88	82	92
2511	Shingle Mills	93	96	95
2513	Sawmills & Planing Mills	146	139	148
2520	Veneer & Plywood Mills	87	89	99
2541	Sash, Door & Other Millwork Plants	149	141	149
2542	Hardwood Flooring Industry	55	59	56
2560	Wooden Box Factories	78	70	100
2580	Coffin & Casket Industry	70	67	63
2591	Wood Preservation	12	14	15
2640	Office Furniture Industry	82	81	81
2680	Electric Lamp & Shade Industry	114	110	116
2710-1	Other Pulp & Paper Mills	105	104	103
-2	Newsprint Mills	91	90	87
2720	Asphalt Roofing Manufacturers	44	41	40
2731	Mfrs. of Folding Cartons & Set-Up Boxes	99	101	114
2732	Mfrs. of Corrugated Boxes	71	74	68

Table A-12

**154 Canadian Manufacturing Industries Ranked According to Levels
of Enterprise Concentration as Measured by Herfindahl Indexes^(a)**

S.I.C. No.	Industry	Concentration Rank by Herfindahl Index Based on		
		Ship- ments	Value Added ^(b)	Employ- ment
2733	Paper & Plastic Bag Mfrs.	97	88	93
2740	Misc. Paper Converters	120	117	122
2850	Commercial Printing, Publishing Only, Publishing & Printing	147	137	147
2870	Platemaking, Typesetting & Trade Bindery Plants	129	121	133
2910	Iron & Steel Mills	41	35	42
2920	Steel Pipe & Tube Mills	26	42	25
2940	Iron Foundries	84	94	110
2960	Aluminum Rolling, Casting & Extruding	4	12	13
2970	Copper & Alloy Rolling, Casting & Extruding	11	25	23
2980	Metal Rolling, Casting & Extruding, N.E.S.	53	48	76
3010	Boiler & Plate Works	86	73	80
3020	Fabricated Structural Metal Industry	76	69	46
3040-1	Mfrs. of Metal Food Cans	3	2	3
-2	Other Metal Stamping, Pressing & Coating Ind.	123	131	144
3050	Wire & Wire Products Mfrs.	65	96	90
3070	Heating Equipment Mfrs.	118	107	116
3080	Machine Shops	150	142	150
3110	Agricultural Implement Industry	50	60	44
3160	Commercial Refrigeration & Air Conditioning Equipment Mfrs.	80	86	82
3180	Office & Store Machinery Mfrs.	18	22	14
3210	Aircraft & Parts Mfrs.	42	45	37
3230	Motor Vehicle Manufacturers	8	9	12
3340	Truck Body & Trailer Mfrs.	111	112	119
3250	Motor Vehicle Parts & Accessory Mfrs.	56	61	70
3260	Railroad Rolling Stock Industry	35	40	33
3270	Shipbuilding & Repair	59	65	65
3280	Boatbuilding & Repair	132	127	135
3290	Misc. Vehicle Manufacturers	5	5	21
3310	Mfrs. of Small Electrical Appliances	83	75	84
3320	Mfrs. of Major Appliances, Electrical & Non-electrical	96	93	94
3340	Mfrs. of Household Radio & TV Receivers	75	72	50
3350	Communications Equipment Mfrs.	61	52	66
3360	Mfrs. of Electrical Industrial Equipment	52	54	53
3370	Battery Manufacturers	31	27	32
3380	Manufacturers of Electrical Wire and Cable	45	43	43
3390	Mfrs. of Misc. Electrical Products	95	83	91
3410	Cement Manufacturers	20	19	10
3475	Concrete Products Mfrs.; Ready-Mix Concrete Manufacturers	137	130	138
3511	Clay Products Mfrs. - domestic clays	94	92	98
3512	Clay Products Mfrs. - imported clays	54	51	83
3530	Stone Products Manufacturers	126	118	118

Table A-12

**154 Canadian Manufacturing Industries Ranked According to Levels
of Enterprise Concentration as Measured by Herfindahl Indexes^(a)**

S.I.C. No.	Industry	Concentration Rank by Herfindahl Index Based on		
		Ship- ments	Value Added ^(b)	Employ- ment
3550	Asbestos Products Mfrs.	15	15	27
3561	Glass Manufacturers	6	8	2
3562	Glass Products Manufacturers	43	33	51
3570	Abrasives Manufacturers	30	31	28
3650	Petroleum Refineries	38	34	30
3690	Other Petroleum & Coal Products Industries	89	84	73
3710	Explosives & Ammunition Mfrs.	1	1	1
3720	Mfrs. of Mixed Fertilizers	68	64	72
3730	Mfrs. of Plastics & Synthetic Resins	64	56	52
3740-1	Mfrs. of Ethical Drugs	107	106	107
-2	Other Pharmaceuticals & Medicines	103	97	106
3750	Paint & Varnish Mfrs.	92	85	85
3760	Mfrs. of Soap & Cleaning Compounds	40	44	48
3770	Mfrs. of Toilet Preparations	98	87	101
3780	Mfrs. of Industrial Chemicals	102	100	91
3791	Manufacturers of Printing Inks	66	63	60
3811	Instruments & Related Products Mfrs.	73	62	75
3812	Clock & Watch Manufacturers	46	36	19
3814	Ophthalmic Goods Mfrs.	27	28	18
3815	Dental Laboratories	145	136	139
3830	Broom, Brush & Mop Industry	81	77	67
3850	Plastic Fabricators, N.E.S.	135	128	142
3931	Sporting Goods Industry	85	78	102
3932	Toys & Games Industry	116	109	97
3950	Fur Dressing & Dyeing Industry	57	57	59
3970	Signs & Displays Industry	131	120	125
3981	Button, Buckle & Fastener Ind.	39	24	36
3986	Musical Instrument & Sound Recording Ind.	51	47	64
3988	Typewriter Supplies Mfrs.	37	39	35
3989	Fountain Pen & Pencil Manufacturers	72	66	77
9990	Leather Glove Factories, Fabric Glove Manufacturers	117	111	113

(a) Actual values of Herfindahl Indexes are given in Tables A-1 and A-3.

(b) Industry Ranks exclude S.I.C.'s 2431-1 to 2431-7 due to non-availability of statistics.

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
1010	Slaughtering & Meat Processors	1,438.7	2011 2013	Meat Slaughtering Plants Meat Processing Plants	14,565.7	..	Can./65 U.S./63 U.S./66	58 26-28 21-25	67 34-37 31-36	77 42-47 ..	88 51-58 ..
1030	Poultry Processors	192.6	2015	Poultry Dressing Plants	2,240.8	2,775.1	Can./65 U.S./63 U.S./66	24 14 17	37 20 24	64 30 ..	90 47 ..
1060	Dairy Factories and Process Cheese Mfrs.	1,061.7	2021 2022 2023 2024 2026	Creamery Butter Natural and Process Cheese Condensed and Evaporated Milk Ice Cream and Frozen Desserts Fluid Milk	10,122.4	12,204.5	Can./65 U.S./63 U.S./66	25 16-26 x	34 21-33 x	48 27-44 ..	62 33-54 ..
1110	Fish Products Industry	269.3	2031 2036	Canned and Cured Sea Foods Fresh or Frozen Packaged Fish	843.5	1,040.8	Can./65 U.S./63 U.S./66	37 20-32 22-38	52 27-45 29-52	67 35-60 ..	83 43-74 ..
1120	Fruit and Vegetable Cannery and Preservers	435.8	2032 2033 2034 2035 2037	Canned Specialties Canned Fruits and Vegetables Dehydrated Food Prod. Pickles, Sauces, Salad Dressings Frozen Fruits and Vegetables	6,456.4	7,769.8	Can./65 U.S./63 U.S./66	39 12-34 11-32	52 15-46 15-45	68 21-62 ..	85 28-76 ..
1230	Feed Manufacturers	392.8	2042	Prepared Animal Feeds	3,880.1	4,438.4	Can./65 U.S./63 U.S./66	28 22 23	38 28 31	51 40 ..	63 54 ..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
1240	Flour Mills	244.5	2041	Flour Mills	2,176.5	2,344.9	Can./65	79	90	99	—
							U.S./63	35	50	71	88
							U.S./66	31	47	..	..
1250	Breakfast Cereal Mfrs.	47.7	2043	Cereal Preparation	625.0	742.8	Can./65	x	x	—	—
							U.S./63	86	96	99	100
							U.S./66	87	x	..	..
1280	Biscuit Mfrs.	102.7	2052	Biscuit, Crackers and Cookies	1,150.1	1,327.2	Can./65	67	83	96	—
							U.S./63	59	68	80	91
							U.S./66	59	68	..	..
1290	Bakeries	444.0	2051	Bread and Related Products	4,506.9	5,007.1	Can./65	32	43	55	63
							U.S./63	23	35	45	56
							U.S./66	25	37	..	..
1310	Confectionery Mfrs.	187.6	2071	Confectionery Products	2,158.3	2,434.1	Can./65	46	65	84	95
			2072	Chocolate and Cocoa Products			U.S./63	16-36	19-46	30-63	43-72
			2073	Chewing Gum			U.S./66	16-62	23-87	..	..
1330	Sugar Refineries	152.8	2061	Raw Cane Sugar	2,213.9	2,212.9	Can./65	x	100	—	—
			2062	Cane Sugar Refining			U.S./63	36-61	47-83	57-97	-100
			2063	Beet Sugar			U.S./66	36-62	50-87	..	..
1350	Vegetable Oil Mills	95.0	2092	Soybean Oil Mills	1,707.4	2,275.5	Can./65	x	x	—	—
			2093	Vegetable Oil Mills, N.E.C.			U.S./63	43-51	60-72	76-89	85-99
							U.S./66	50-56	69-77	..	..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
1391	Macaroni Manufacturers	22.8	2098	Macaroni and Spaghetti	222.9	237.6	Can./65 U.S./63 U.S./66	x 31 31	x 47 46	- 71 ..	- 91 ..
1410	Soft Drinks Mfrs.	225.7	2086	Bottled and Canned Soft Drinks	2,210.9	2,734.9	Can./65 U.S./63 U.S./66	40 12 14	48 17 20	59 24 ..	69 34 ..
1430	Distilleries	228.4	2085	Distilled Liquor, except Brandy	1,090.4	1,331.6	Can./65 U.S./63 U.S./66	84 58 55	96 74 72	- 91 ..	- 99 ..
1450	Breweries	294.4	2082	Malt Liquors	2,315.0	2,699.9	Can./65 U.S./63 U.S./66	94 34 39	99 52 56	- 78 ..	- 94 ..
1470	Wineries	23.1	2084	Wines and Brandy	137.3	193.4	Can./65 U.S./63 U.S./66	71 49 41	95 63 56	- 75 ..	- 89 ..
1510	Leaf Tobacco Processors	99.5	2141	Tobacco Stemming and Redrying	1,366.6	1,386.8	Can./65 U.S./63 U.S./66	92 70 69	99 92 91	- 97 ..	- 99 ..
1530	Tobacco Products Ind.	280.3	2111 2121 2131	Cigarettes Cigars Chewing and Smoking Tobacco	3,163.2	3,385.7	Can./65 U.S./63 U.S./66	91 67-77 68-77	99 84-97 84-97	- -99 ..	- -100 ..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.L.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.L.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
1610	Rubber Footwear Mfrs.	43.2	3021	Rubber Footwear	354.2	410.1	Can./65	79	—	—	—
							U.S./63	62	77	94	100
							U.S./66	63	80	..	..
1630	Tire and Tube Mfrs.	249.5	3011	Tires and Inner Tubes	2,949.6	3,715.8	Can./65	87	—	—	—
							U.S./63	70	89	97	99
							U.S./66	71	90	..	..
1720	Leather Tanneries	60.2	3111	Leather Tanning and Finishing	758.4	940.5	Can./65	69	84	96	..
							U.S./63	18	30	47	70
							U.S./66	19	30	..	..
1740	Shoe Factories	199.3	3141 3142	Shoes except Rubber House Slippers	2,374.6	2,812.1	Can./65	21	31	49	74
							U.S./63	23-25	30-32	41-44	54-58
							U.S./66	24-25	32-34	..	..
9990 (1750, 2491)	Leather Glove Factories Fabric Glove Mfrs.	21.8	3151 2381	Leather Gloves Fabric Dress and Work Gloves	230.1	295.5	Can./65	26	42	77	98
							U.S./63	20-27	29-41	44-64	57-86
							U.S./66	18-26	28-39	..	..
1792	Boot & Shoe Findings Manufacturers	14.3	3131	Footwear Cut Stock	229.2	282.8	Can./65	48	67	95	—
							U.S./63	14	20	30	50
							U.S./66	19	25	..	..
1799	Miscellaneous Leather Products Mfrs.	55.6	3161 3171 3172 3199	Luggage Handbags and Purses Small Leather Goods Leather Goods, N.E.C.	717.1	854.4	Can./65	21	34	55	79
							U.S./63	9-22	12-31	16-41	21-55
							U.S./66	11-24	14-x	..	..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
1830	Cotton Yarn and Cloth Mills	305.7	2211	Weaving Mills, Cotton Yarn Mills except Wool	4,171.0	5,040.4	Can./65	x	94	—	—
			2281				U.S./63	22-27	34-41	50-62	64-82
							U.S./66	21-67	34-78	..	..
1930 1970	Wool Yarn Mills and Wool Cloth Mills	131.5	2283	Wool Yarn Mills Weaving, Finishing Mills, Wool	1,432.9	1,574.1	Can./65	33	52	79	98
			2231				U.S./63	36-43	41-53	50-69	60-86
							U.S./66	41-49	46-57	..	..
2010-1	Manufacturers of Filament, Staple Fibre and Tow	142.6	2823	Cellulosic Man-Made Fibers Organic Fibers, Non-cellulosic	2,135.0	2,915.9	Can./65	x	—	—	—
			2824				U.S./63	61-90	65-99	65—	—
							U.S./66	58-85	65-96	..	..
2010-2	Synthetic Textile Spinners, Throwers and Weavers	231.2	2221	Weaving Mills, Synthetic Tire Cord and Fabric Throwing and Winding Mills	2,417.3	3,184.0	Can./65	53	66	81	89
			2296				U.S./63	28-45	34-57	45-71	58—
			2282				U.S./66	28-48	35-59	..	..
2110	Fibre Preparing Mills	18.3	2293	Padding and Upholstery Filling Processed Textile Waste	363.8	442.8	Can./65	51	74	98	—
			2294				U.S./63	20-41	26-57	30-75	36-90
			2297				U.S./66	17-41	22-54	..	..
2120	Thread Mills	16.5	2284	Thread Mills	194.0	264.3	Can./65	74	93	—	—
							U.S./63	68	85	96	99
							U.S./66	62	80	..	..
2130	Cordage and Twine Ind.	26.3	2298	Cordage and Twine	149.3	164.7	Can./65	74	97	—	—
							U.S./63	35	53	76	93
							U.S./66	38	54	..	..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
2140	Narrow Fabric Mills	34.5	2241	Narrow Fabric Mills	349.0	427.8	Can./65	60	74	92	-
							U.S./63	20	30	47	68
							U.S./66	23	35	..	..
2150	Pressed and Punched Felt Mills	9.2	2291	Felt Goods, N.E.C.	133.9	144.8	Can./65	81	95	-	-
							U.S./63	54	75	98	100
							U.S./66	59	80	..	..
2160	Carpet, Mat and Rug Ind.	79.9	2271	Woven Carpets and Rugs Tufted Carpets and Rugs Carpets and Rugs, N.E.C.	1,144.1	..	Can./65	63	83	100	-
			2272				U.S./63	17-36	28-54	45-74	61-90
			2279				U.S./66	-	-	..	..
2180	Textile Dyeing and Finishing Plants	30.8	2261	Finishing Plants, Cotton Finishing Plants, Synthetic Finishing Plants, N.E.C.	1,400.3	1,677.3	Can./65	35	58	83	98
			2262				U.S./63	28-40	36-54	48-72	57-88
			2269				U.S./66	22-41	30-59	..	..
2190	Linoleum and Coated Fabrics	44.1	2295	Coated Fabric, Not Rubberized Hard Surface Floor Coverings	639.8	825.5	Can./65	84	95	-	-
			3982				U.S./63	28-51	37-68	54-86	62-95
							U.S./66	25-48	35-62	..	..
2210	Canvas Products Ind.	24.2	2394	Canvas Products	166.4	225.3	Can./65	33	48	69	x
							U.S./63	18	25	37	54
							U.S./66	19	x	..	..
2230	Cotton and Jute Bag Ind.	31.2	2393	Textile Bags	200.4	205.0	Can./65	53	75	97	-
							U.S./63	38	51	68	87
							U.S./66	x	x	..	..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
2310	Hosiery Mills	81.0	2251	Women's Hosiery except Socks	1,056.5	1,340.2	Can./65	18	30	52	80
			2252	Hosiery, N.E.C.			U.S./63	19-27	27-38	36-53	45-70
							U.S./66	18-34	24-46	..	..
2390	Other Knitting Mills	227.8	2253	Knit Outerwear Mills	2,268.2	2,920.3	Can./65	15	25	52	80
			2254	Knit Underwear Mills			U.S./63	6-17	9-26	15-41	23-60
			2256	Knit Fabric Mills			U.S./66	6-19	x	..	..
			2259	Knitting Mills, N.E.C.							
2431-1	Men's Suits and Overcoats	131.1	2311	Men's and Boys' Suits and Coats	1,526.0	1,849.5	Can./65	22	36	62	86
							U.S./63	14	23	38	56
							U.S./66	17	26	..	..
2431-2	Men's Trousers	41.3	2327	Separate Trousers	824.2	1,041.6	Can./65	35	53	79	89
							U.S./63	16	25	40	58
							U.S./66	20	29	..	..
2431-3	Men's Windbreakers and Work Pants	131.7	2322	Men's and Boys' Underwear	1,357.2	1,856.3	Can./65	15-32	20-45	28-68	42- --
2431-4	Men's Overalls and Work Shirts		2328	Work Clothing			U.S./63	16-24	24-35	36-54	48-72
2431-6	Men's Other Clothing		2329	Men's and Boys' Clothing, N.E.C.			U.S./66	16-29	23-41	..	..
2431-5	Men's Fine Shirts	62.8	2321	Men's Dress Shirts and Nightwear	1,295.0	1,348.0	Can./65	45	60	84	x
							U.S./63	22	32	49	67
							U.S./66	25	36	..	..
2431-7	Men's Neckwear	11.2	2323	Men's and Boys' Neckwear	121.3	157.7	Can./65	57	77	98	--
							U.S./63	19	28	43	65
							U.S./66	x	x	..	..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.L.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.L.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
2441-1 2441-3	Women's Coats and Suits Women's Skirts and Blouses	188.2	2337 2331	Women's Suits, Coats and Skirts Blouses	2,132.9	2,576.9	Can./65 U.S./63 U.S./66	7-14 5-9 6-12	12-22 8-12 9-16	23-42 13-20 ..	40-71 20-33 ..
2441-2	Women's Dresses	121.2	2335	Dresses	2,410.9	2,507.6	Can./65 U.S./63 U.S./66	13 6 8	22 9 10	38 14 ..	61 23 ..
2441-4	Women's Other Outerwear	19.9	2339	Women's Outerwear, N.E.C.	785.9	960.0	Can./65 U.S./63 U.S./66	29 14 14	46 22 22	77 33 ..	98 48 ..
2441-5	Women's Lingerie	56.1	2341	Women's and Children's Underwear	976.1	1,042.1	Can./65 U.S./63 U.S./66	27 11 15	39 17 22	66 31 ..	97 50 ..
2450	Children's Clothing Ind.	93.5	2361 2363 2369	Children's Dresses and Blouses Children's Coats and Suits Children's Outerwear, N.E.C.	1,025.8	1,116.2	Can./65 U.S./63 U.S./66	13 6-14 7-16	22 9-22 x	42 14-36 ..	71 23-56 ..
2460	Fur Goods Industry	64.7	2371	Fur Goods	334.4	365.1	Can./65 U.S./63 U.S./66	18 5 4	25 8 7	38 15 ..	57 26 ..
2470-1 2470-2	Caps Men's Hats	11.0	2352	Hats and Caps	171.1	148.3	Can./65 U.S./63 U.S./66	45-65 31 36	- 40 47	- 52 ..	- 69 ..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
2470-3	Women's and Children's Hats	14.9	2351	Millinery	163.1	115.3	Can./65 U.S./63 U.S./66	23 9 x	41 14 x	74 22 ..	99 36 ..
2480	Foundation Garment Ind.	54.5	2342	Corsets and Allied Garments	593.9	667.2	Can./65 U.S./63 U.S./66	42 29 33	62 45 48	93 64 ..	- 91 ..
2513 2511	Sawmills Shingle Mills	921.7	2421 2429	Sawmills and Planing Mills Special Product Sawmills, N.E.C.	3,252.4	3,500.5	Can./65 U.S./63 U.S./66	15-17 10-11 x	25-26 13-14 x	35-37 19-20 ..	48-51 28-30 ..
2520	Veneer and Plywood Mills	222.4	2432	Veneer and Plywood Plants	1,339.6	1,699.8	Can./65 U.S./63 U.S./66	44 23 24	60 31 33	81 42 ..	98 58 ..
2541	Sash, Door and Other Millwork Plants	189.1	2431 2433	Millwork Plants Prefabricated Wood Products	1,673.9	1,816.2	Can./65 U.S./63 U.S./66	9 6-11 6-12	15 8-16 9-18	27 13-25 ..	46 21-37 ..
2542	Hardwood Flooring	20.0	2426	Hardwood Dimension and Flooring	345.2	414.2	Can./65 U.S./63 U.S./66	56 17 15	76 22 x	100 34 ..	- 51 ..
2580	Coffin and Casket Ind.	13.7	3988	Mortician's Goods	290.0	319.1	Can./65 U.S./63 U.S./66	50 20 22	64 27 28	86 41 ..	- 57 ..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
2610	Household Furniture	281.9	2511 2512 2514 2519	Wood Furniture, not Upholstered Wood Furniture, Upholstered Metal Household Furn. Household Furniture	3,394.4	4,362.7	Can./65 U.S./63 U.S./66	9 6-12 x	13 9-17 x	23 13-28 ..	40 21-43 ..
2640	Office Furniture	56.8	2521 2522	Wood Office Furniture, N.E.C. Metal Office Furniture	491.4	732.4	Can./65 U.S./63 U.S./66	50 26-32 30-35	73 39-49 41-51	94 59-75 ..	- 74-93 ..
2660	Miscellaneous Furniture	169.4	2515 2531 2541 2542 2599	Mattresses and Bedsprings Public Building Furniture Wood Partitions and Fixtures Metal Partitions and Fixtures Furniture and Fixtures, N.E.C.	1,798.4	2,213.6	Can./65 U.S./63 U.S./66	18 9-20 9-20	26 11-27 11-28	40 14-39 ..	61 19-54 ..
2710	Total Pulp and Paper Mills	2,104.4	2611 2621 2631 2661 2647	Pulp Mills Paper Mills, except Building Paperboard Mills Building paper and Board Mills Sanitary Paper Products	8,014.3	9,920.5	Can./65 U.S./63 U.S./66	35 12-33 11-32	53 20-49 19-49	82 30-71 ..	99 40-91 ..
2732	Corrugated Boxes Mfrs.	193.1	2653	Corrugated Shipping Containers	2,166.1	2,891.1	Can./65 U.S./63 U.S./66	58 20 18	82 26 33	99 63 ..	- 79 ..
2733	Paper and Plastic Bag Mfrs.	120.9	2643	Bags, except Textile Bags	1,061.7	1,385.5	Can./65 U.S./63 U.S./66	43 22 23	66 36 37	89 58 ..	99 76 ..

**INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966**

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
2850	Commercial Printing, Printing and Publishing, Publishing Only	1,019.7	2751	Printing except Lithographic	15,296.6	19,060.8	Can./65	13	21	36	51
			2752	Printing, Lithographic			U.S./63	4-19	6-27	10-41	15-55
			2761	Manifold Business Forms			U.S./66	4-19	6-27	..	..
			2782	Greeting Card Manufacturing							
			2782	Blank Books, Loose Leaf Binders							
			2711	Newspapers							
			2721	Periodicals							
			2731	Books, Publishing and Printing							
			2732	Book Printing							
			2741	Miscellaneous Publishing							
2870	Platemaking, Typesetting, & Trade Bindery Plants	65.5	2753	Engraving and Plate Printing	868.8	1,140.7	Can./65	24	32	48	67
			2789	Book Binding and Related Work			U.S./63	3-13	4-18	7-29	11-43
			2791	Typesetting			U.S./66	x	x	..	..
			2793	Photoengraving							
			2794	Electrotyping and Stereotyping							
2910	Iron and Steel Mills	1,231.8	3312	Blast Furnaces and Steel Mills	18,422.8	..	Can./65	77	89	97	-
			3313	Electrometallurgical Products			U.S./63	45-49	62-68	76-84	86-96
			3316	Cold Finishing of Steel Shapes			U.S./66	..	..	..	..
			3323	Steel Foundries							
2920	Steel Pipe & Tube Mills	198.6	3317	Steel Pipe & Tube	809.0	1,161.5	Can./65	78	94	-	-
							U.S./63	27	42	71	93
							U.S./66	26	43	..	..
2940	Iron Foundries	167.5	3321	Gray Iron Foundries	2,302.4	3,177.6	Can./65	45	60	80	93
			3322	Malleable Iron Foundries			U.S./63	24-30	32-40	44-54	56-69
							U.S./66	23-30	31-40	..	..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1966,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
2960	Aluminum Rolling, Casting and Extruding	154.7	3352 3361	Aluminum Rolling and Drawing Aluminum Castings	2,483.9	4,016.5	Can./65 U.S./63 U.S./66	88 60-62 50-56	96 70-73 60-67	99 77-82 ..	- 84-91 ..
2970	Copper and Alloy Rolling Casting and Extruding	201.4	3351 3362	Copper Rolling and Drawing Brass, Bronze, Copper Castings	1,945.0	3,298.0	Can./65 U.S./63 U.S./66	x 38-41 37-41	95 57-61 58-60	98 74-81 ..	100 84-93 ..
2980	Metal Rolling, Casting and Extruding, N.E.S.	129.4	3341 3356 3369	Secondary Nonferrous Metals Rolling and Drawing, N.E.C. Nonferrous Castings, N.E.C.	1,989.1	3,258.6	Can./65 U.S./63 U.S./66	59 15-33 15-34	74 22-47 23-50	91 30-65 ..	99 39-81 ..
3010	Boiler and Plate Works	107.6	3443	Boiler Shop Products	1,622.9	2,328.2	Can./65 U.S./63 U.S./66	49 25 28	63 34 35	84 48 ..	98 59 ..
3020	Fabricated Structural Metal	372.3	3441	Fabricated Structural Steel	1,916.0	2,601.6	Can./65 U.S./63 U.S./66	46 15 14	61 20 20	85 28 ..	98 41 ..
3030	Ornamental and Architectural Metal	211.9	3442 3446 3449	Metal Doors, Sash and Trim Architectural Metal Work Miscellaneous Metal Work, N.E.C.	2,227.1	2,754.5	Can./65 U.S./63 U.S./66	17 8-14 9-16	26 11-21 13-24	40 17-33 ..	60 22-50 ..
3050	Wire and Wire Products	356.9	3315 3357 3451 3452 3481	Steel Wiredrawing, etc. Nonferrous Wiredrawing, etc. Screw Machine Products Bolts, Nuts, Rivets, and Washers Fabricated Wire Products, N.E.C.	5,548.0	8,421.2	Can./65 U.S./63 U.S./66	48 17-38 17-25	58 23-47 32-45	77 30-60 ..	90 35-74 ..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
3060	Hardware, Tool and Cutlery	202.2	3421 3423 3425 3429	Cutlery Hand and Edge Tools Handsaws and Saw Blades Hardware, N.E.C.	2,736.8	3,675.4	Can./65 U.S./63 U.S./66	17 25-38 24-38	28 29-47 28-45	48 37-60 ..	68 45-74 ..
3110	Agricultural Implement Industry	285.1	3522	Farm Machinery and Equipment	2,842.2	4,332.0	Can./65 U.S./63 U.S./66	71 43 45	84 55 59	94 67 ..	98 77 ..
3160	Commercial Refrigeration and Air Conditioning Equipment Mfrs.	48.0	3585	Refrigeration Machinery	892.7	1,235.7	Can./65 U.S./63 U.S./66	51 26 34	70 38 49	94 57 ..	- 76 ..
3230 3250	Motor Vehicle Mfrs. Motor Vehicle Parts and Accessories	2,875.9	3717	Motor Vehicles and Parts	36,181.0	15,507.5	Can./65 U.S./63 U.S./66	83 79 79	89 83 83	94 90 ..	98 94 ..
3240	Truck Body and Trailer	103.0	3713 3715 3791	Truck and Bus Bodies Truck Trailers Trailers Coaches	1,705.4	2,603.5	Can./65 U.S./63 U.S./66	37 17-33 16-29	52 21-45 20-41	73 24-61 ..	88 28-76 ..
3260	Railroad Rolling Stock Industry	163.0	3741 3742	Locomotives and Parts Railroad and Street Cars	1,365.0	2,396.4	Can./65 U.S./63 U.S./66	86 36-67 35-64	99 49-81 48-78	- 63-95 ..	- 67-99 ..
3270	Shipbuilding and Repair	274.6	3731	Ship Building and Repairing	1,679.7	2,338.9	Can./65 U.S./63 U.S./66	65 48 42	85 63 61	92 81 ..	99 92 ..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
3280	Boatbuilding and Repair	24.6	3732	Boatbuilding and Repairing	360.2	485.1	Can./65	21	34	55	76
							U.S./63	21	29	42	56
							U.S./66	20	29	..	..
3340	Mfrs. of Household Radio and TV Receivers	155.1	3651	Radio and TV Receiving Sets	2,254.8	4,117.4	Can./65	53	86	99	-
							U.S./63	41	62	82	94
							U.S./66	48	68	..	..
3360	Mfrs. of Electrical Industrial Equipment	375.5	3611 3612 3613 3621 3622 3623 3629	Electric Measuring Instruments Transformers Switchgear and Switchboards Motors and Generators Industrial Controls Welding Apparatus Electrical Industrial Goods, N.E.C.	4,753.3	7,863.2	Can./65	60	73	87	97
							U.S./63	18-50	21-62	26-77	31-89
							U.S./66	14-48	16-61	..	..
3370	Battery Mfrs.	54.1	3691 3692	Storage Batteries Primary Batteries, Dry and Wet	711.7	892.7	Can./65	84	98	-	-
							U.S./63	43-67	56-83	66-94	70-98
							U.S./66	41-68	55-85	..	..
3380	Mfrs. of Electrical Wire and Cable	274.7	3357	Non-ferrous Wire Drawing, etc.	2,117.9	3,711.1	Can./65	72	91	100	-
							U.S./63	44	62	79	92
							U.S./66	39	56	..	..
3410	Cement Mfrs.	144.8	3241	Cement, Hydraulic	1,176.9	1,253.4	Can./65	76	x	-	-
							U.S./63	29	49	82	99
							U.S./66	30	51	..	..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the						
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50		
								Largest Enterprises ^{d, e}					
3475	Concrete Products Mfrs. Ready-Mix Concrete Mfrs.	402.0	3271	Concrete Block and Brick	3,660.4	4,303.4	Can./65	21	30	45	63		
			3272	Other Concrete Products			U.S./63	4-7	5-11	8-17	10-27		
			3273	Ready Mixed Concrete			U.S./66	3-9	x	..	..
3511	Clay Products Mfrs. - domestic clay	74.2	3251	Brick and Structural Tile	1,142.2	1,300.0	Can./65	27-50	35-69	47-88	56-98		
3512	Clay Products Mfrs. - imported clay		3253	Ceramic Wall and Floor Tile			U.S./63	7-37	10-53	12-70	15-84		
			3259	Structural Clay Products, N.E.C.			U.S./66	8-33	11-55	..	..
			3261	Vitreous Plumbing Fixtures									
			3262	Vitreous China Food Utensils									
			3263	Fine Earthenware Food Utensils									
3264	Porcelain Electrical Supplies												
3269	Pottery Products, N.E.C.												
3530	Stone Products Mfrs.	13.6	3281	Cut Stone and Stone Products	217.1	224.2	Can./65	21	33	56	83		
							U.S./63	20	28	38	51		
							U.S./66	17	25	..	..
3550	Asbestos Products Mfrs.	46.2	3292	Asbestos Products	788.4	944.8	Can./65	x	x	-	-		
							3293	Gaskets and Insulations	U.S./63	36-48	49-66	61-84	64-93
									U.S./66	35-47	46-62
3570	Abrasives Manufacturers	59.9	3291	Abrasive Products	704.2	1,015.6	Can./65	82	95	-	-		
							U.S./63	58	67	77	88		
							U.S./66	56	63	..	..
3650	Petroleum Refineries	1,414.9	2911	Petroleum Refining	16,496.8	18,758.7	Can./65	80	96	99	-		
							U.S./63	34	56	82	95		
							U.S./66	32	57	..	..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
3730	Mfrs. of Plastics and Synthetic Resins	155.5	2821	Plastic Materials and Resins	2,571.4	3,532.8	Can./65 U.S./63 U.S./66	61 35 32	x 49 46	99 69 ..	- 87 ..
3740	Mfrs. of Pharmaceuticals and Medicines	237.8	2831 2833 2834	Biological Products Medicinals and Botanicals Pharmaceutical Preparations	3,715.8	4,825.9	Can./65 U.S./63 U.S./66	21 19-26 22-27	35 34-42 37-44	67 64-74 ..	93 79-90 ..
3750	Paint and Varnish Mfrs.	193.6	2851	Paints and Allied Products	2,456.3	2,970.4	Can./65 U.S./63 U.S./66	46 23 23	57 34 36	78 47 ..	94 60 ..
3770	Mfrs. of Toilet Preparations	103.8	2844	Toilet Preparations	1,792.6	2,430.6	Can./65 U.S./63 U.S./66	36 38 40	56 52 54	85 75 ..	99 90 ..
3791	Printing Ink Mfrs.	22.9	2893	Printing Ink	268.0	377.0	Can./65 U.S./63 U.S./66	62 48 48	82 63 58	93 77 ..	- 90 ..
3812	Clock and Watch Mfrs.	24.1	3871 3872	Watches and Clocks Watch cases	544.7	727.4	Can./65 U.S./63 U.S./66	69 43-47 41-46	88 61-65 x	100 84-90 ..	- 92-100 ..
3814	Ophthalmic Goods Mfrs.	24.6	3851	Ophthalmic Goods	272.6	346.8	Can./65 U.S./63 U.S./66	75 53 60	86 62 70	96 77 ..	- 90 ..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
							3830	Broom, Brush and Mop Industry	33.4	3981	Brooms and Brushes	321.1	374.3	Can./65 U.S./63 U.S./66	48 31 32	64 41 42	86 57 ..	98 73 ..
3850	Plastics Fabricators, N.E.S.	195.1	3079	Plastic Products, N.E.C.	3,165.4	4,658.3	Can./65 U.S./63 U.S./66	21 8 8	32 12 12	49 20 ..	68 31 ..
3931	Sporting Goods Industry	51.1	3949	Sporting and Athletic Goods	704.7	804.6	Can./65 U.S./63 U.S./66	46 37 27	62 44 34	79 52 ..	93 64 ..
3932	Toys and Games Industry	43.9	3941 3942 3943	Games and Toys Dolls Children's Vehicles	1,122.0	1,403.0	Can./65 U.S./63 U.S./66	69 10- x	88 17-33 x	100 30-51 ..	- 44-68 ..
3950	Fur Dressing and Dyeing Industry	7.9	3992	Furs, Dressed and Dyed	42.0	34.3	Can./65 U.S./63 U.S./66	65 27 x	90 44 x	- 73 ..	- 91 ..
3970	Signs and Displays Industry	52.9	3993	Signs and Advertising Displays	646.7	818.6	Can./65 U.S./63 U.S./66	21 5 6	31 8 10	49 15 ..	67 26 ..
3981	Button, Buckle and Fastener Industry	19.0	3963 3964	Buttons Needles, Pins, and Fasteners	419.1	482.2	Can./65 U.S./63 U.S./66	69 27-44 x	x 37-58 x	x 51-77 ..	- 65-94 ..

INDEXES OF CONCENTRATION BY VALUE OF SHIPMENTS IN SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965,
AND IN COMPARABLE UNITED STATES MANUFACTURING INDUSTRIES 1963 AND 1966

TABLE A-13

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d, e}			
3986	Musical Instrument & Sound Recording Industry	26.8	3931 3652	Musical Instruments and Parts Phonograph Records	494.6	655.7	Can./65 U.S./63 U.S./66	67 25-49 24-47	x 34-61 38-64	x 46-77 ..	- 56-90 ..
3988	Typewriter Supplies Mfrs.	10.2	3955	Carbon Paper and Inked Ribbons	155.5	196.4	Can./65 U.S./63 U.S./66	73 38 38	96 55 56	- 78 ..	- 97 ..
3989	Fountain Pen and Pencil Mfrs.	18.1	3951 3952	Pens and Mechanical Pencils Lead Pencils and Art Goods	307.0	375.9	Can./65 U.S./63 U.S./66	55 29-44 26-43	82 36-58 34-58	- 47-77 ..	- 56-94 ..

EXPLANATION OF FOOTNOTES

- .. Not Available
- Not Applicable
- x Withheld to avoid disclosing figures for individual enterprises
- d The phrase applied in the United States is companies but it has a meaning very similar to that of “enterprise” as used herein.
- e Range denotes estimates of minimum-maximum values

18 CANADIAN AND UNITED STATES INDUSTRIES IN WHICH DIFFERENCES BETWEEN
CANADIAN AND UNITED STATES LEVELS OF CONCENTRATION ARE UNCLEAR

TABLE A-14

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d,e}			
1060	Dairy Factories and Process Cheese Mfrs.	1,061.7	2021 2022 2023 2024 2026	Creamery Butter Natural and Process Cheese Condensed and Evaporated Milk Ice Cream and Frozen Desserts Fluid Milk	10,122.4	12,204.5	Can./65 U.S./63 U.S./66	25 16-26 x	34 21-33 x	48 27-44 ..	62 33-54 ..
1740	Shoe Factories	199.3	3141 3142	Shoes, except Rubber House Slippers	2,374.6	2,812.1	Can./65 U.S./63 U.S./66	21 23-25 24-25	31 30-32 32-34	49 41-44 ..	74 54-58 ..
9990 (1750 2491)	Leather Glove Factories Fabric Glove Mfrs.	21.8	3151 2381	Leather Gloves Fabric Dress and Work Gloves	230.1	295.5	Can./65 U.S./63 U.S./66	26 20-27 18-26	42 29-41 28-39	77 44-64 ..	98 57-86 ..
1799	Miscellaneous Leather Products Mfrs.	55.6	3161 3171 3172 3199	Luggage Handbags and Purses Small Leather Goods Leather Goods, N.E.C.	717.1	854.4	Can./65 U.S./63 U.S./66	21 9-22 11-24	34 12-31 14-x	55 16-46 ..	79 21-55 ..
1930 1970	Wool Yarn Mills and Wool Cloth Mills	131.5	2283 2231	Wool Yarn Mills Weaving, Finishing Mills, Wool	1,432.9	1,574.1	Can./65 U.S./63 U.S./66	33 36-43 41-49	52 41-53 46-57	79 50-69 ..	98 60-86 ..
2180	Textile Dyeing and Finishing Plants	30.8	2261 2262 2269	Finishing Plants, Cotton Finishing Plants, Synthetic Finishing Plants, N.E.C.	1,400.3	1,677.3	Can./65 U.S./63 U.S./66	35 28-40 22-41	58 36-54 30-59	83 48-72 ..	98 57-88 ..

18 CANADIAN AND UNITED STATES INDUSTRIES IN WHICH DIFFERENCES BETWEEN
CANADIAN AND UNITED STATES LEVELS OF CONCENTRATION ARE UNCLEAR

TABLE A-14

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d,e}			
2310	Hosiery Mills	81.0	2251	Women's Hosiery, except socks	1,056.5	1,340.2	Can./65	18	30	52	80
			2252	Hosiery, N.E.C.			U.S./63	19-27	27-38	36-53	45-70
							U.S./66	18-34	24-46	..	..
2431-3	Men's Windbreakers and Work Plants	131.7	2322	Men's and Boys' Underwear	1,357.2	1,856.3	Can./65	15-32	20-45	28-68	42- --
2431-4	Men's Overalls and Work Shirts		2328	Work Clothing			U.S./63	16-24	24-35	36-54	48-72
2431-6	Men's Other Clothing		2329	Men's and Boys' Clothing, N.E.C.			U.S./66	16-29	23-41	..	..
2441-1	Women's Coats and Suits	188.2	2337	Women's Suits, Coats, and Skirts	2,132.9	2,576.9	Can./65	7-14	12-22	23-42	40-71
			2331	Blouses			U.S./63	5-9	8-12	13-20	20-33
							U.S./66	6-12	9-16	..	..
2390	Other Knitting Mills	227.8	2253	Knit Outerwear Mills	2,268.2	2,920.3	Can./65	15	25	52	80
			2254	Knit Underwear Mills			U.S./63	6-17	9-26	15-41	23-60
			2256	Knit Fabric Mills			U.S./66	6-19	x	..	..
			2259	Knitting Mills, N.E.C.							
2450	Children's Clothing Industry	93.5	2361	Children's Dresses and Blouses	1,025.8	1,116.2	Can./65	13	22	42	71
			2363	Children's Coats and Suits			U.S./63	6-14	9-22	14-36	23-56
			2369	Children's Outerwear, N.E.C.			U.S./66	7-16	x	..	..
2541	Sash and Door and Planing Mills	189.1	2431	Millwork Plants	1,673.9	1,816.2	Can./65	9	15	27	46
			2433	Prefabricated Wood Products			U.S./63	6-11	8-16	13-25	21-37
							U.S./66	6-12	9-18	..	..
2610	Household Furniture	281.9	2511	Wood Furniture, not Upholstered	3,394.4	4,362.7	Can./65	9	13	23	40
			2512	Wood Furniture, Upholstered			U.S./63	6-12	9-17	13-28	21-43
			2514	Metal Household Furniture			U.S./66	x	x	..	..
			2519	Household Furniture, N.E.C.							

18 CANADIAN AND UNITED STATES INDUSTRIES IN WHICH DIFFERENCES BETWEEN
CANADIAN AND UNITED STATES LEVELS OF CONCENTRATION ARE UNCLEAR

TABLE A-14

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d,e}			
2660	Miscellaneous Furniture	169.4	2515	Mattresses and Bedsprings	1,798.4	2,213.6	Can./65	18	26	40	61
			2531	Public Building Furniture			U.S./63	9-20	11-27	14-39	19-54
			2541	Wood Partitions and Fixtures			U.S./66	9-20	11-28	..	..
			2542	Metal Partitions and Fixtures							
			2599	Furniture and Fixtures, N.E.C.							
2850	Commercial Printing, Printing and Publishing, Publishing Only	1,019.7	2751	Printing, except Lithographic	15,296.6	19,060.8	Can./65	13	21	36	51
			2752	Printing, Lithographic			U.S./63	4-19	6-27	10-41	15-55
			2761	Manifold Business Forms			U.S./66	4-19	6-27	..	..
			2771	Greeting Card Manufacturing							
			2782	Blank Books, Loose Leaf Binders							
			2711	Newspapers							
			2721	Periodicals							
			2731	Books, Publishing and Printing							
			2732	Book Printing							
			2741	Miscellaneous Publishing							
3511	Clay Products Mfrs. - domestic clay	74.2	3251	Brick and Structural Tile	1,142.2	1,300.0	Can./65	27-50	35-69	47-88	56-98
3512	Clay Products Mfrs. - imported clay		3253	Ceramic Wall and Floor Tile			U.S./63	7-37	10-53	12-70	15-84
			3259	Structural Clay Products, N.E.C.			U.S./66	8-33	11-55	..	..
			3261	Vitreous Plumbing Fixtures							
			3262	Vitreous China Food Utensils							
			3263	Fine Earthenware Food Utensils							
			3264	Porcelain Electrical Supplies							
3269	Pottery Products, N.E.C.										
3740	Mfrs. of Pharmaceuticals and Medicines	237.8	2831	Biological Products	3,715.8	4,825.9	Can./65	21	35	67	93
			2833	Medicinals and Botanicals			U.S./63	19-26	34-42	64-74	79-90
			2834	Pharmaceutical Preparations			U.S./66	22-27	37-44	..	..

18 CANADIAN AND UNITED STATES INDUSTRIES IN WHICH DIFFERENCES BETWEEN
CANADIAN AND UNITED STATES LEVELS OF CONCENTRATION ARE UNCLEAR

TABLE A-14

CANADIAN INDUSTRIES			UNITED STATES COMPARABLE INDUSTRIES				Per cent of Total Value of (Factory) Shipments accounted for by the				
S.I.C.	Name (s)	1965 Total Value of Factory Shipments (\$ Mil.)	S.I.C.	Name (s)	1963 Total Value of Shipments (\$ Mil.)	1966 Total Value of Shipments (\$ Mil.)	Year	4	8	20	50
								Largest Enterprises ^{d,e}			
3770	Mfrs. of Toilet Preparations	103.8	2844	Toilet Preparations	1,792.6	2,430.6	Can./65	36	56	85	99
							U.S./63	38	52	75	90
							U.S./66	40	54	..	..

EXPLANATION OF FOOTNOTES

- .. Not Available**
- x Withheld to avoid disclosing figures for individual enterprises**
- d The phrase applied in the United States is companies but it has a meaning very similar to that of "enterprise" as used herein.**
- e Range denotes estimates of minimum-maximum values**

APPENDIX B

MANUFACTURING INDUSTRIES INCLUDED AND EXCLUDED FROM THE REPORT

Industries for Which Concentration Ratios Were Obtained

The industries for which concentration measures have been obtained are in nearly all cases defined in terms of the *Standard Industrial Classification Manual* as published by the Dominion Bureau of Statistics.¹ For most of them there exists a 1965 D.B.S. Census of Manufactures bulletin with exactly the same coverage. In a few instances, industries in more than one such bulletin have been combined, and in others an industry in a single bulletin has been sub-divided.

In the following notes a short description of each industry treated in this Report is presented. Where the industry descriptions are in quotation marks they have been taken directly from the *Standard Industrial Classification Manual*, unless otherwise indicated. The relevant Standard Industrial Classification (S.I.C.) numbers are cited as well as the catalogue numbers of the appropriate D.B.S. 1965 Census of Manufactures bulletins. Further details of the nature of each industry can be obtained by reference to those sources.

SIC 1010 Slaughtering and Meat Processors (Cat. No. 32-221)

This industry includes:

- SIC 1011 Slaughtering and Meat Packing Plants
- SIC 1012 Sausage and Sausage Case Manufacturers
- SIC 1013 Animal Oils and Fats Plants

Slaughtering and Meat Processors are:

"Establishments primarily engaged in operating abattoirs, meat packing plants, or in manufacturing prepared meats and meat specialties from purchased carcasses. Important products of establishments classified in this industry are fresh meats, cured and smoked meats, fresh and cured sausages, canned meats, and animal oils and fats."

SIC 1030 Poultry Processors (Cat. No. 32-227)

"Establishments primarily engaged in killing, dressing, packing or canning poultry."

¹*Standard Industrial Classification Manual*, Dominion Bureau of Statistics, Ottawa, 1969, Cat. No. 12-501

SIC 1060 Dairy Factories and Process Cheese Manufacturers

The following two Dominion Bureau of Statistics industries have been combined:

- SIC 1050 Dairy Factories (Cat. No. 32-209);
- SIC 1070 Process Cheese Manufacturers (Cat. No. 32-210).

Dairy Factories are:

“Establishments primarily engaged in manufacturing natural cheese of all kinds; creamery butter; both butter and cheese; condensed, canned or powdered milk; ice cream, frozen desserts such as sherbets and ices, and ice cream mix; pasteurized and bottled fresh milk. Establishments that pasteurize and bottle milk are included in this industry whether or not they sell the milk at retail.”

Process Cheese Manufacturers are:

“Establishments primarily engaged in manufacturing process cheese, cheese pastes and spreads.”

SIC 1110 Fish Products Industry
(Cat. No. 32-216)

The D.B.S. industry bulletin defines this industry as comprising those:

“. . . . establishments whose principal activity is the canning, salting, pickling or drying of fish and shellfish as well as those producing fish meal and oil, seal oil, whale oil and meal and seaweed products.”

SIC 1120 Fruit and Vegetable Cannery and Preservers
(Cat. No. 32-218)

“Establishments primarily engaged in manufacturing canned and dried fruits and vegetables, fruit and vegetable juices, soups, preserves, jams and jellies, pickles, cider and sauces. Included also are establishments primarily engaged in quick-freezing of fruits and vegetables and processing in SO₂.”

SIC 1230 Feed Manufacturers
(Cat. No. 32-214)

“Establishments primarily engaged in the production of poultry, turkey, hog, cattle, fur-bearing animal, dog and cat feeds.”

SIC 1240 Flour Mills
(Cat. No. 32-215)

“Establishments primarily engaged in milling flour from grain.”

SIC 1250 Breakfast Cereal Manufacturers
(Cat. No. 32-204)

“Establishments primarily engaged in manufacturing prepared breakfast foods such as: corn, wheat, and bran flakes; rolled oats; and other cereals either pre-cooked or to be cooked.”

SIC 1280 Biscuit Manufacturers
(Cat. No. 32-202)

“Establishments primarily engaged in manufacturing biscuits, crackers, pretzels and similar ‘dry’ bakery products including ice cream cones.”

SIC 1290 Bakeries
(Cat. No. 32-203)

“Establishments primarily engaged in manufacturing bread, cakes, pastries and similar ‘perishable’ bakery products.”

SIC 1310 Confectionery Manufacturers
(Cat. No. 32-213)

“Establishments primarily engaged in manufacturing candies, chocolates, cocoa products, chewing gum and other confectionery such as salted nuts and popcorn.”

SIC 1330 Sugar Refineries
(Cat. No. 32-222)

“Establishments primarily engaged in manufacturing cane sugar, beet sugar, sugar syrups, molasses and beet-pulp.”

SIC 1350 Vegetable Oil Mills
(Cat. No. 32-223)

“Establishments primarily engaged in manufacturing vegetable oils and their by-products, such as linseed, soybean and cocoanut oil, oilcake meal and linseed meal.”

SIC 1391 Macaroni Manufacturers
(Cat. No. 32-219)

This industry is comprised of establishments primarily engaged in manufacturing dry macaroni, spaghetti, noodles, vermicelli and kindred products.

SIC 1392 Miscellaneous Food Manufacturers
(Cat. No. 32-224)

“Establishments primarily engaged in manufacturing baking powder, flavouring extracts and syrups, malt, milled rice, self-rising and blended flours,”

starch and its products, jelly powders, yeast, prepared coconut, powdered eggs, frozen eggs, 'health foods', peanut butter and other food specialties not elsewhere classified. Establishments primarily engaged in roasting coffee, blending tea or grinding and packaging spices are classified in this industry,"

SIC 1410 Soft Drink Manufacturers

(Cat. No. 32-208)

"Establishments primarily engaged in manufacturing non-alcoholic beverages and carbonated mineral waters or concentrates and syrups for the manufacture of carbonated beverages."

SIC 1430 Distilleries

(Cat. No. 32-206)

"Establishments primarily engaged in producing alcoholic beverages such as whisky, brandy, rum and gin. This industry includes establishments primarily engaged in manufacturing ethyl alcohol whether or not the alcohol is ultimately used to make potable spirits."

SIC 1450 Breweries

(Cat. No. 32-205)

"Establishments primarily engaged in manufacturing ale, beer, porter, stout and other malt liquors."

SIC 1470 Wineries

(Cat. No. 32-207)

"Establishments primarily engaged in producing wines."

SIC 1510 Leaf Tobacco Processing

(Cat. No. 32-225)

"Establishments primarily engaged in final grading, re-drying and packing tobacco leaf in hogsheads. These establishments customarily store the dried tobacco in the hogsheads for a period of time which may be several years, i.e. aging the tobacco. In most cases the hogsheads of tobacco are shipped direct to the tobacco products factory"

SIC 1530 Tobacco Products Manufacturers

(Cat. No. 32-225)

"Establishments primarily engaged in manufacturing cigarettes, cigars, tobacco and snuff."

SIC 1610 Rubber Footwear Manufacturers
(Cat. No. 33-206)

“Establishments primarily engaged in manufacturing all-rubber footwear having fabric uppers and rubber soles.”

SIC 1630 Rubber Tire and Tube Manufacturers
(Cat. No. 33-206)

“Establishments primarily engaged in manufacturing rubber tires and tubes for automobiles, trucks, aircraft, tractors, and other machinery and implements.”

SIC 1690 Other Rubber Industries
(Cat. No. 33-206)

“Establishments primarily engaged in manufacturing rubber goods, such as rubberized fabrics, mechanical rubber goods, rubber flooring and rubber sundries.”

SIC 1720 Leather Tanneries
(Cat. No. 33-202)

“Establishments primarily engaged in tanning, currying and finishing leather of all types, such as sole and belt leather, bookbinders' leather; glove, harness, bag, strap and upholstery leather.”

SIC 1740 Shoe Factories
(Cat. No. 33-203)

“Establishments primarily engaged in manufacturing boots, shoes, slippers, moccasins and similar footwear by cutting and sewing material.”

SIC 1792 Boot and Shoe Finding Manufacturers
(Cat. No. 33-203)

The D.B.S. industry bulletin defines this industry as comprising those:

“Establishments primarily engaged in manufacturing boot and shoe cut stock and findings of leather or of other materials.”

SIC 1799 Miscellaneous Leather Products Manufacturers
(Cat. No. 33-205)

“Establishments primarily engaged in manufacturing leather products and similar articles not elsewhere classified, such as luggage, handbags, ‘small leather goods’ Establishments primarily engaged in manufacturing harness or saddlery, and leather belting are included.”

SIC 1830 Cotton Yarn and Cloth Mills
(Cat. No. 34-205)

“Establishments primarily engaged in spinning, twisting, winding or spooling cotton yarn and in weaving fabrics wholly or mainly of cotton such as duck, sheetings, prints, towellings, bedspread fabrics, table damask, drapery and upholstery fabrics.”

SIC 1950 Wool Yarn Mills and Wool Cloth Mills
(Cat. No. 34-209)

This industry includes:

SIC 1930 Wool Yarn Mills
SIC 1970 Wool Cloth Mills

Wool Yarn Mills are:

“Establishments primarily engaged in spinning and winding woollen yarn for sale as such.”

Wool Cloth Mills are:

“Establishments primarily engaged in weaving woollen and worsted fabrics such as suitings, coatings, dress goods and flannel; blankets and blanketings; and other woollen fabrics. Included in this industry are establishments primarily engaged in weaving paper-makers' felt of all materials.”

SIC 2010 Total Synthetic Textile Mills
(Cat. No. 34-208)

“Establishments primarily engaged in manufacturing yarns, threads and broad woven goods of synthetic textile fibres, including glass fibres. This industry includes establishments primarily engaged in manufacturing yarns, threads and broad woven goods of natural silk. It also includes establishments engaged in extrusion of synthetic textile filaments.”

For the present Report, the industry has been divided into the following two industries:

2010-1 Manufacturers of Filament, Staple Fibre and Tow

2010-2 Synthetic Textile Spinners, Weavers and Throwers.

SIC 2110 Fibre Preparing Mills
(Cat. No. 34-219)

“Establishments primarily engaged in preparing fibres for spinning (except synthetic fibres) and in manufacturing batting, padding, wadding, upholstery filling or in processing waste and recovered fibres and flock. Included are establishments primarily engaged in wool scouring and carbonizing and combing and converting top.”

SIC 2120 Threat Mills

(Cat. No. 34-220)

“Establishments primarily engaged in spinning, twisting and manufacturing sewing threat or crochet, darning, hand-knitting and embroidery threads for sale as such.”

SIC 2130 Cordage and Twine Industry

(Cat. No. 34-203)

“Establishments primarily engaged in manufacturing rope, cable, cordage, net, twine, and related goods from hemp, jute, cotton, paper, flax and other fibres.”

SIC 2140 Narrow Fabric Mills

(Cat. No. 34-207)

“Establishments primarily engaged in manufacturing narrow fabrics, such as woven tapes, ribbons and bindings, elastic cord, lacing, elastic and non-elastic webbing.”

SIC 2150 Pressed and Punched Felt Mills

(Cat. No. 34-210)

“Establishments primarily engaged in manufacturing pressed felt of any fibre by means of heating, moisture and pressure; and those making punched felt for rugs, cushions and other products from hair, jute, wool or other fibres by the needle loom process.”

SIC 2160 Carpet, Mat and Rug Industry

(Cat. No. 34-221)

“Establishments primarily engaged in manufacturing carpets and rugs of wool, cotton, or synthetic materials; jute and cocoa fibre mats and matting; and rag carpets and rugs.”

SIC 2180 Textile Dyeing and Finishing Plants

(Cat. No. 34-206)

“Establishments primarily engaged in custom dyeing and finishing of woollen and worsted goods, cotton and linen goods, silk and synthetic goods. This industry also includes establishments primarily engaged in cloth sponging and miscellaneous special finishing of textiles on a custom basis.”

SIC 2190 Linoleum and Coated Fabrics Industry

(Cat. No. 34-210)

“Establishments primarily engaged in manufacturing oilcloth, linoleum, other hard surface floor coverings, leatherette and other coated fabrics including water repellent fabrics except rubberized.”

SIC 2210 Canvas Products Industry
(Cat. No. 34-202)

“Establishments primarily engaged in manufacturing awnings, tents, sails, tarpaulins, canopies and bags made from canvas fabric.”

SIC 2230 Cotton and Jute Bag Industry
(Cat. No. 34-204)

“Establishments primarily engaged in manufacturing bags made from cotton, jute, burlap and other textile fabrics except canvas.”

SIC 2291 Automobile Fabric Accessory Manufacturers
(Cat. No. 34-210)

The D.B.S. industry bulletin defines this industry as comprising those:

“Establishments primarily engaged in manufacturing automobile upholstery materials and body linings.”

SIC 2292 Embroidery, Pleating and Hemstitching Manufacturers
(Cat. No. 34-210)

The D.B.S. industry bulletin defines this industry as comprising those:

“Establishments primarily engaged in manufacturing trimmings and Schiffli machine embroideries.”

SIC 2310 Hosiery Mills
(Cat. No. 34-215)

“Establishments primarily engaged in knitting, dyeing or finishing full-fashioned or seamless hosiery.”

SIC 2390 Other Knitting Mills
(Cat. No. 34-215)

“Establishments primarily engaged in manufacturing knit outerwear, underwear, gloves and other knit articles except hosiery.”

SIC 2431 Total Men's Clothing Industry
(Cat. No. 34-216)

“Establishments primarily engaged in manufacturing suits, coats, trousers, overcoats, shirts, underwear, work clothing, sheep-lined coats, sportswear and men's furnishings and leather clothing.”

For this Report, the industry has been divided into the following industries:

- SIC 2431-1 Men's Suits and Overcoats
- SIC 2431-2 Men's Trousers
- SIC 2431-3 Men's Windbreakers and Work Pants
- SIC 2431-4 Men's Overalls and Work Shirts
- SIC 2431-5 Men's Fine Shirts
- SIC 2431-6 Men's Other Clothing
- SIC 2431-7 Men's Neckwear

SIC 2432 Men's Clothing Contractors
(Cat. No. 34-216)

The D.B.S. industry bulletin defines this industry as comprising those:

"Establishments manufacturing men's clothing on a 'contract' basis, i.e., not on their own account."

SIC 2441 Total Women's Clothing Factories
(Cat. No. 34-217)

"Establishments primarily engaged in manufacturing suits, coats, dresses, skirts, blouses, household apparel, sportswear, underwear, lingerie and neckwear."

For this Report, the industry has been divided into the following industries:

- SIC 2441-1 Women's Coats and Suits
- SIC 2441-2 Women's Dresses
- SIC 2441-3 Women's Skirts and Blouses
- SIC 2441-4 Women's Other Outerwear
- SIC 2441-5 Women's Lingerie

SIC 2442 Women's Clothing Contractors
(Cat. No. 34-217)

Comprises those custom establishments engaged in the manufacturing of women's clothing articles not on their own account.

SIC 2450 Children's Clothing Industry
(Cat. No. 34-217)

"Establishments primarily engaged in manufacturing children's and infants' dresses, coats, snow suits and other outerwear."

SIC 2460 Fur Goods Industry
(Cat. No. 34-213)

"Establishments primarily engaged in manufacturing fur coats, other fur garments, accessories and trimmings."

SIC 2470 Total Hat and Cap Industry
(Cat. No. 34-214)

"Establishments primarily engaged in manufacturing hats of straw, cloth, fur felt and wool felt; hat and cap materials and millinery."

For this Report, the industry has been divided into the following industries:

- SIC 2470-1 Caps
- SIC 2470-2 Men's Hats
- SIC 2470-3 Women's and Children's Hats
- SIC 2470-4 Hat and Cap Makers' Materials.

SIC 2480 Foundation Garment Industry
(Cat. No. 34-212)

"Establishments primarily engaged in manufacturing corsets, girdles, brassiers and other foundation garments."

SIC 2511 Shingle Mills
(Cat. No. 35-204)

Comprises establishments whose major activity is shingle manufacture.

SIC 2513 Sawmills and Planing Mills
(Cat. No. 35-204)

The D.B.S. industry bulletin defines this industry as comprising those:

"Establishments primarily engaged in sawing and planing lumber and those producing ties, spoolwood, lath and other mill products such as cooperage stock and box shooks from round wood are included in the Sawmills and Planing Mill Industry."

SIC 2520 Veneer and Plywood Mills
(Cat. No. 35-206)

"Establishments primarily engaged in producing plywood or veneer."

SIC 2541 Sash, Door and Other Millwork Plants
(Cat. No. 35-205)

"Establishments primarily engaged in manufacturing mill products such as dressed lumber, sash, doors, window and door frames, interior woodwork, moulding and hardwood flooring. Included are establishments primarily engaged in dressing purchased lumber and in custom dressing. This industry also includes establishments primarily engaged in manufacturing pre-cut or pre-fabricated wooden buildings or panels for buildings or in manufacturing laminated rafters, roof trusses and beams."

SIC 2542 Hardwood Flooring Industry
(Cat. No. 35-203)

The D.B.S. industry bulletin defines this industry as comprising those:

“... establishments primarily engaged in the manufacture of birch, maple, oak and other hardwood flooring.”

SIC 2560 Wooden Box Factories
(Cat. No. 35-209)

“Establishments primarily engaged in manufacturing wooden boxes, crates, fruit and vegetable baskets. This industry includes establishments making box shoo from sawn lumber.”

SIC 2580 Coffin and Casket Industry
(Cat. No. 35-210)

“Establishments primarily engaged in the manufacture of coffins, caskets and other morticians' supplies.”

SIC 2610 Household Furniture Industry
(Cat. No. 35-211)

“Establishments primarily engaged in manufacturing household furniture of all kinds and of all materials. This industry also includes upholstery, cabinet making and furniture repairing shops.”

SIC 2640 Office Furniture Industry
(Cat. No. 35-212)

“Establishments primarily engaged in manufacturing office furniture such as desks, chairs, tables, filing cabinets of all kinds and of all materials.”

SIC 2660 Miscellaneous Furniture Industry
(Cat. No. 35-213)

“Establishments primarily engaged in manufacturing store furniture and fixtures, public building and professional furniture and fixtures of all kinds and of all materials. This industry also includes establishments primarily engaged in manufacturing mattresses and springs.”

SIC 2680 Electric Lamp and Shade Industry
(Cat. No. 35-214)

“Establishments primarily engaged in manufacturing electric table and floor lamps and shades of all types and of all materials.”

SIC 2710 Total Pulp and Paper Mills
(Cat. No. 36-204)

“This industry includes pulp mills producing chemical or mechanical woodpulp; and combined pulp and paper mills and paper mills manufacturing newsprint, book and writing papers, kraft paper, paperboard or building and insulation board. Barking mills engaged in producing barked or rossed pulpwood are included in this industry.”

For this Report, the industry has been divided into the following industries:

SIC 2710-2 Newsprint Mills

SIC 2710-1 Other Pulp and Paper Mills

SIC 2720 Asphalt Roofing Manufacturers
(Cat. No. 36-205)

“Establishments primarily engaged in manufacturing asphalt saturated shingles and sidings, roofing felts and sheathings, smooth-surfaced and mineral-surfaced roll roofings.”

SIC 2731 Manufacturers of Folding Cartons and Set-up Boxes
(Cat. No. 36-214)

The D.B.S. industry bulletin defines this industry as comprising those:

“... establishments primarily engaged in manufacturing folding or set-up paper or paperboard boxes, fibre containers and paperboard containers not elsewhere classified.”

SIC 2732 Manufacturers of Corrugated Boxes
(Cat. No. 36-213)

The D.B.S. industry bulletin defines this industry as comprising those:

“... establishments primarily engaged in manufacturing corrugated paper boxes and wrappers, corrugated double face sheets and single face rolls or sheets.”

SIC 2733 Paper and Plastic Bag Manufacturers
(Cat. No. 36-207)

The D.B.S. industry bulletin defines this industry as comprising those:

“... establishments engaged primarily in the manufacture of paper bags, as well as of bags made of cellulose or other plastic films and of metal foil.”

SIC 2740 Miscellaneous Paper Converters
(Cat. No. 36-206)

“Establishments primarily engaged in coating, treating, cutting and otherwise converting paper and paperboard. Many of these establishments also use synthetic

materials and metal foil to produce articles similar to those manufactured of paper and paperboard.”

SIC 2850 Commercial Printing, Publishing Only, Printing and Publishing
(Cat. No. 36-203)

This industry includes:

SIC 2860 Commercial Printing
SIC 2880 Publishing Only
SIC 2890 Printing and Publishing.

The Commercial Printing Industry comprises:

“Establishments primarily engaged in commercial or job printing including lithographing, blankbook making and bookbinding. This industry includes general printing shops as well as shops specializing in printing newspapers and periodicals for others. Silk screen printers are included.”

The Publishing Only Industry comprises:

“Establishments primarily engaged in publishing only and which do no printing or are not engaged in some other principal activity. The term ‘publishing’ as applied in this industry includes publishing of books, newspapers, periodicals, almanacs, maps, guides, calendars and similar products.”

The Printing and Publishing Industry comprises:

“Establishments primarily engaged in publishing and printing newspapers, magazines, periodicals, books, almanacs, maps, guides, and the like.”

SIC 2870 Platemaking, Typesetting and Trade Bindery Plants
(Cat. No. 36-203)

The D.B.S. industry bulletin defines this industry as comprising:

“Establishments (trade shops) primarily engaged in providing specialized services to the printing and publishing trades, advertising agencies or others:”

SIC 2910 Iron and Steel Mills
(Cat. No. 41-203)

“Four main types of establishments are classified in this industry: (1) Establishments primarily engaged in manufacturing pig iron and ferro-alloys. (2) Steel works primarily engaged in manufacturing ingots, steel castings and in continuous casting of steel. (3) Rolling mills primarily engaged in hot and cold rolling of steel into primary shapes. (4) Coke ovens operated in connection with blast furnaces. In some cases the blast furnace, steel mill, rolling mill and coke oven or some combination of two or more of them are carried on as one integrated operation and the manufacturing processes may be carried on beyond the rolling mill stage.”

SIC 2920 Steel Pipe and Tube Mills
(Cat. No. 41-220)

“Establishments primarily engaged in manufacturing welded and seamless steel pipe and tubing.”

SIC 2940 Iron Foundries
(Cat. No. 41-226)

“Establishments primarily engaged in manufacturing iron castings, including cast iron pipe and fittings.”

SIC 2960 Aluminum Rolling, Casting and Extruding
(Cat. No. 41-204)

“Establishments primarily engaged in manufacturing aluminum shapes such as bars, rods, plates, sheets and castings.”

SIC 2970 Copper and Alloy Rolling, Casting and Extruding
(Cat. No. 41-224)

“Establishments primarily engaged in manufacturing copper and copper alloy shapes such as bars, rods, plates, sheets and castings.”

SIC 2980 Metal Rolling, Casting and Extruding, n.e.s.
(Cat. No. 41-215)

“Establishments primarily engaged in manufacturing non-ferrous metals such as zinc, tin, lead, nickel and titanium and their alloys in shapes such as bars, rods, plates, sheets and castings.”

SIC 3010 Boiler and Plate Works
(Cat. No. 41-223)

“Establishments primarily engaged in the manufacture of heating and power boilers except cast iron sectional heating boilers, storage tanks, pressure tanks, smoke-stacks, plate work and similar boiler-shop products. Some establishments in this industry engage both in the fabrication of the product and its installation.”

SIC 3020 Fabricated Structural Metal Industry
(Cat. No. 41-207)

“Establishments primarily engaged in fabrication of heavy steel parts and similar parts of other metals and alloys for structural purposes.”

SIC 3030 Ornamental and Architectural Metal Industry
(Cat. No. 41-221)

“Establishments primarily engaged in manufacturing ornamental metal work, stairs and staircases, fire escapes, grilles, railings, metal sash, doors and frames and metal partitions. Establishments included in this industry may install the products of their own manufacture but they are primarily engaged in fabrication.”

SIC 3040 Total Metal Stamping, Pressing and Coating Industry
(Cat. No. 41-227)

“Establishments primarily engaged in manufacturing sheet metal products such as metal stampings for automobiles and for purposes such as bottle caps, heel caps, metal lath and metal boxes. Also included are establishments primarily engaged in manufacturing pressed metal products such as kitchen utensils, hospital and similar utensils and containers. This industry also includes establishments primarily engaged in coating metal and metal products, such as vitreous enamelware, galvanizing and electro-plating”

This industry has been divided into the following industries:

- SIC 3040-1 Manufacturers of Metal Food Cans
- SIC 3040-2 Other Metal Stamping, Pressing and Coating.

SIC 3050 Wire and Wire Products Manufacturers
(Cat. No. 41-216)

“Establishments primarily engaged in drawing wire from rods and in manufacturing nails, spikes, staples, bolts, nuts, rivets, screws, washers, wire fencing, screening, wire cloth, barbed wire, tire chains, uninsulated wire rope and cable, kitchen wire goods and other wire products.”

SIC 3060 Hardware, Tool and Cutlery Manufacturers
(Cat. No. 41-208)

“Establishments primarily engaged in manufacturing edge and hand tools, cutlery and hardware. Important products of this industry are axes; chisels; dies and other metal-working tools; hammers, shovels, hoes, rakes, files, saws, builders' hardware, marine hardware, non-electric razors and blades, table and kitchen cutlery and a miscellaneous group of products usually known under the term 'hardware' and not elsewhere classified. This industry also includes establishments primarily engaged in manufacturing bits, drills and other cutting tools for machines or for power-driven hand tools.”

SIC 3070 Heating Equipment Manufacturers
(Cat. No. 41-225)

“Establishments primarily engaged in manufacturing commercial cooking equipment and major heating apparatus such as furnaces, oil burners, gas burners, steam and hot water heating apparatus and heating equipment, not elsewhere classified. Establishments primarily engaged in manufacturing cast iron sectional heating boilers and convection or cast iron radiators are included in this industry.”

SIC 3080 Machine Shops
(Cat. No. 42-207)

“Machine shops primarily engaged in producing machine parts and equipment, other than complete machines, for the trade. This industry includes machine shops providing custom and repair services.”

SIC 3110 Agricultural Implement Industry
(Cat. No. 42-202)

“Establishments primarily engaged in manufacturing agricultural implements such as plows, threshing machines, binders, fertilizing machinery, milking machines, and mowing machines. The industry also includes establishments primarily engaged in manufacturing tractors.”

SIC 3150 Miscellaneous Machinery and Equipment Manufacturers
(Cat. No. 42-214)

“Establishments primarily engaged in manufacturing machinery and equipment designed particularly for use in construction and mining operations including earth moving machinery and equipment, and earth and rock boring and drilling equipment. Establishments primarily engaged in manufacturing other special-industry machinery except agricultural machinery, including such products as textile machinery, pulp and paper machinery, printing machinery, and food-processing machinery; establishments primarily engaged in manufacturing machinery and equipment not designed for use in any particular industry or classified elsewhere, including such products as marine engines, general-purpose engines, pumping equipment, equipment for the transmission of mechanical power, conveyor systems, elevators and lifting and hoisting machinery. Establishments primarily engaged in manufacturing industrial tractors for handling materials in industrial plants, depots and docks are included here. Included also are establishments primarily engaged in manufacturing woodworking machinery and in manufacturing machine tools which are power-driven machines employing a cutting tool for work on metal.”

SIC 3160 Commercial Refrigeration and Air Conditioning Equipment Manufacturers
(Cat. No. 42-215)

“Establishments primarily engaged in manufacturing electric and non-electric commercial refrigerating equipment such as display cases, counters, and frozen food storage cabinets; and refrigeration units for installation in custom or built-in refrigeration facilities.”

SIC 3180 Office and Store Machinery Manufacturers
(Cat. No. 42-216)

“Establishment primarily engaged in manufacturing office and store machinery such as typewriters, cash registers, coin-operated vending machines, mechanical computing machines, and scales and balances.”

SIC 3210 Aircraft and Parts Manufacturers
(Cat. No. 32-203)

“Establishments primarily engaged in manufacturing aeroplanes, gliders, balloons and aircraft parts, such as engines, propellers and pontoons. Aircraft repair is included in this industry.”

SIC 3230 Motor Vehicle Manufacturers
(Cat. No. 42-209)

“Establishments primarily engaged in manufacturing or assembling complete motor vehicles such as passenger automobiles, commercial cars and buses, trucks, and special purpose motor vehicles such as ambulances and taxicabs.”

SIC 3240 Truck Body and Trailer Manufacturers
(Cat. No. 42-217)

“Establishments primarily engaged in manufacturing truck and bus bodies but not manufacturing complete trucks or buses. Included are establishments primarily engaged in manufacturing truck trailers and tractor-type bus trailers, as well as those primarily engaged in manufacturing trailers for attachment to passenger cars.”

SIC 3250 Motor Vehicle Parts and Accessories Manufacturers
(Cat. No. 42-210)

“Establishments primarily engaged in manufacturing motor vehicle parts (except truck and bus bodies) and accessories for use on motor vehicles, such as engines, brakes, clutches, axles, gears, transmissions, wheels, frames, radiators, springs, automobile hardware, heaters, horns, and mirrors.”

SIC 3260 Railroad Rolling Stock Industry
(Cat. No. 42-211)

“Establishments primarily engaged in building and rebuilding locomotives of any type or gauge and railroad cars (including frames and parts) for freight and passenger service. This industry includes establishments of railway companies primarily engaged in manufacturing or repairing locomotives and cars.”

SIC 3270 Shipbuilding and Repair
(Cat. No. 42-206)

“Establishments primarily engaged in building and repairing all types of ships of more than 5 tons displacement.”

SIC 3280 Boatbuilding and Repair
(Cat. No. 42-205)

“Establishments primarily engaged in building and repairing all types of boats. This industry, for the most part, handles the smaller type of craft, such as motorboats, sailboats, rowboats, lifeboats and canoes.”

SIC 3290 Miscellaneous Vehicle Manufacturers
(Cat. No. 42-212)

“Establishments primarily engaged in manufacturing transportation equipment not elsewhere classified such as animal-drawn vehicles including sleighs, as well as parts for any vehicles included.”

SIC 3310 Manufacturers of Small Electrical Appliances
(Cat. No. 43-203)

“Establishments primarily engaged in manufacturing small electrical appliances such as vacuum cleaners, fans, toasters, irons and water heaters.”

SIC 3320 Manufacturers of Major Appliances (electric and non-electric)
(Cat. No. 43-204)

“Establishments primarily engaged in manufacturing household type appliances and machines such as stoves; refrigerators, home and farm freezers; window type air conditioning units; laundry equipment and sewing machines.”

SIC 3340 Manufacturers of Household Radio and Television Receivers
(Cat. No. 43-205)

“Establishments primarily engaged in manufacturing radio and television receiving sets. The industry also includes establishments primarily engaged in manufacturing record playing, tape playing and recording equipment and parts.”

SIC 3350 Communications Equipment Manufacturers
(Cat. No. 43-206)

“Establishments primarily engaged in manufacturing radio and television transmitters, radar equipment, closed circuit television equipment, and electronic navigational aids; public address apparatus, and the related parts and equipment. Included are establishments primarily engaged in manufacturing telephone and telegraph equipment and parts. This industry includes establishments primarily engaged in manufacturing electronic control panels and similar devices.”

SIC 3360 Manufacturers of Electrical Industrial Equipment
(Cat. No. 43-207)

“Establishments primarily engaged in manufacturing electric motors, generators and other electric power equipment for use in the generation, transmission and utilization of electric energy.”

SIC 3370 Battery Manufacturers
(Cat. No. 43-208)

“Establishments primarily engaged in manufacturing storage and primary batteries including wet and dry batteries.”

SIC 3380 Manufacturers of Electrical Wire and Cable
(Cat. No. 43-209)

“Establishments primarily engaged in manufacturing electric wire and cable both insulated or armoured and non-insulated.”

SIC 3390 Manufacturers of Miscellaneous Electrical Products
(Cat. No. 43-210)

“Establishments primarily engaged in manufacturing electrical products not elsewhere classified, such as electric signalling apparatus; electric lighting fixtures; electric light bulbs and tubes (light sources) of all kinds such as incandescent filament lamps, vapor and fluorescent lamps, photoflash and photoflood lamps; wiring devices; panelboards (distribution, lighting and residential types); low voltage switchboards; carbon or graphite electrodes; conduit and fittings. This industry also includes establishments primarily engaged in manufacturing electronic computers and data processors.”

SIC 3410 Cement Manufacturers
(Cat. No. 44-204)

“Establishments primarily engaged in manufacturing hydraulic cement, including Portland, natural masonry and puzzolan cements.”

SIC 3475 Concrete Products Manufacturers and Ready-Mix Concrete Manufacturers

This industry includes:

SIC 3470 Concrete products Manufacturers (Cat. No. 44-205)

SIC 3480 Ready-Mix Concrete Manufacturers (Cat. No. 44-211)

Concrete Products Manufacturers are:

“Establishments primarily engaged in manufacturing concrete products such as building blocks, brick, sewer pipe, tanks, poles, septic tanks. Establishments primarily engaged in Manufacturing sand-lime brick and blocks are included.”

Ready-Mix Concrete Manufacturers are:

“Establishments primarily engaged in mixing and delivering ready-mix concrete.”

SIC 3511 Clay Products Manufacturers (From Domestic Clays)

(Cat. No. 44-215)

The D.B.S. industry bulletin defines this industry as comprising:

“... establishments primarily engaged in the manufacture of clay brick, roofing, floor and wall tile, sewer pipe and other structural products from domestic clays.”

SIC 3512 Clay Products Manufacturers (From Imported Clays)

(Cat. No. 44-216)

The D.B.S. industry bulletin defines this industry as comprising:

“... establishments primarily engaged in the manufacture of clay products such as pottery, chinaware, porcelain insulators and other products from imported clays.”

SIC 3530 Stone Products Manufacturers

(Cat. No. 44-213)

“Establishments primarily engaged in cutting, shaping and finishing stone for building and other purposes. Important products of this industry include monuments and tombstones, dimension stone for buildings, slate blackboards and stone furniture.”

SIC 3550 Asbestos Products Manufacturers

(Cat. No. 44-203)

“Establishments primarily engaged in manufacturing asbestos textiles, packings, brake linings, gaskets, asbestos building materials and other commodities composed wholly or chiefly of asbestos.”

SIC 3561 Glass Manufacturers
(Cat. No. 44-207)

This industry is comprised of establishments primarily engaged in manufacturing pressed, blown and drawn glass, including bottles, sealers, artistic glass and window glass.

SIC 3562 Glass Products Manufacturers
(Cat. No. 44-207)

This industry is comprised of establishments primarily engaged in manufacturing mirrors, edge plate, leaded glass, cut glass, decorated glassware, insulating multi-pane window units and hermetically sealed windows.

SIC 3570 Abrasives Manufacturers
(Cat. No. 44-202)

“Establishments primarily engaged in manufacturing abrasive grinding wheels of emery, carborundum and other natural or artificial materials; abrasive sticks, stones, bricks, paper and cloths and buffing and polishing wheels. This industry includes the manufacture of primary abrasive materials such as fused alumina and silicon carbide.”

SIC 3650 Petroleum Refineries
(Cat. No. 45-205)

“Establishments primarily engaged in refining crude petroleum and in producing gasoline, fuel oils, lubricating oils, illuminating oils and other petroleum products. The industry also includes establishments primarily engaged in blending lubricating oils and greases which they have purchased.”

SIC 3690 Other Petroleum and Coal Products Industries
(Cat. No. 45-207)

“Establishments primarily engaged in manufacturing petroleum and coal products not elsewhere classified, such as fuel briquettes, road emulsions and roofing compounds. This industry also includes coking plants operated as separate establishments and not as a subsidiary activity in Iron and Steel or Chemical Plants.”

SIC 3710 Explosives and Ammunition Manufacturers
(Cat. No. 46-218)

“Establishments primarily engaged in manufacturing explosives; ammunitions including mines, bombs and depth charges; safety and detonating fuses; fireworks of all kinds; flares and railroad fuses.”

SIC 3720 Manufacturers of Mixed Fertilizers
(Cat. No. 46-220)

“Establishments primarily engaged in manufacturing superphosphates and mixed fertilizers.”

SIC 3730 Manufacturers of Plastics and Synthetic Resins
(Cat. No. 46-211)

“Establishments primarily engaged in manufacturing synthetic resins in such forms as powders, granules, flakes, liquids or simple sheets. This industry includes establishments primarily engaged in manufacturing transparent cellulose film or film from synthetic resin.”

SIC 3740 Total Manufacturers of Pharmaceuticals and Medicines
(Cat. No. 46-209)

“Establishments primarily engaged in manufacturing drugs and medicines. This industry includes manufacturers of patent and proprietary medicines; veterinary medicines; vitamin products; cod liver oil; and biological products, such as antitoxins, bacterins, serums, vaccines; as well as establishments primarily engaged in manufacturing antibiotics. Establishments primarily engaged in grinding drugs and herbs are also included.”

For this Report, the industry has been divided into the following two industries:

- SIC 3740-1 Manufacturers of Ethical Drugs
- SIC 3740-2 Other Pharmaceuticals and Medicines.

SIC 3750 Paint and Varnish Manufacturers
(Cat. No. 46-210)

“Establishments primarily engaged in manufacturing paints, varnishes, lacquers, enamels and shellac. This industry also includes establishments primarily engaged in manufacturing products such as putty, filler, oil stain, and thinner.”

SIC 3760 Manufacturers of Soap and Cleaning Compounds
(Cat. No. 46-214)

“Establishments primarily engaged in manufacturing soap in any form synthetic detergents, cleansers, washing powders and cleaning preparations including scouring powders and hand cleansers. This industry includes establishments primarily engaged in manufacturing household laundry bleaches and bluing.”

SIC 3770 Manufacturers of Toilet Preparations
(Cat. No. 46-215)

“Establishments primarily engaged in manufacturing perfumes, cosmetics, lotions, hair dressings, toothpaste and other toilet preparations.”

SIC 3780 Manufacturers of Industrial Chemicals
(Cat. No. 46-219)

“Establishments primarily engaged in manufacturing basic industrial inorganic chemicals such as acids, alkalis, salts, compressed gases and other inorganic

compounds or in manufacturing industrial organic chemicals by chemical processes. This industry includes establishments primarily engaged in manufacturing dry colours, pigments, white leads, lead oxides, iron oxides and titanium oxide and in manufacturing dyes. Included also are establishments primarily engaged in manufacturing synthetic rubber and those primarily engaged in manufacturing compressed organic gases."

SIC 3791 Manufacturers of Printing Inks
(Cat. No. 46-216)

This industry is comprised of establishments primarily engaged in manufacturing printers' inks for newspaper, letterpress, lithographing; printers' rollers and writing inks.

SIC 3811 Instrument and Related Products Manufacturers
(Cat. No. 47-206)

The D.B.S. industry bulletin defines this industry as comprising those:

"Establishments primarily engaged in manufacturing mechanical measuring and controlling instruments (except clocks and watches); dental, medical and surgical instruments and equipment; optical instruments and lenses; and photographic equipment and supplies."

SIC 3812 Clock and Watch Manufacturers
(Cat. No. 47-206)

The D.B.S. industry bulletin defines this industry as comprising those:

"Establishments primarily engaged in manufacturing of clocks and watches, including materials and parts for the same. It includes establishments whose primary activity is the assembling of clocks and watches from purchased movements and from watch cases of both their own and other manufacture."

SIC 3814 Ophthalmic Goods Manufacturers
(Cat. No. 47-206)

The D.B.S. industry bulletin defines this industry as comprising those:

"Establishments primarily engaged in grinding ophthalmic lenses and the manufacturing of other ophthalmic goods such as complete spectacles, sunglasses, etc."

SIC 3815 Dental Laboratories
(Cat. No. 47-206)

The D.B.S. industry bulletin defines this industry as comprising those:

"Establishments primarily engaged in making dentures, bridges, inlays and other dental restorations."

SIC 3830 Broom, Brush and Mop Industry
(Cat. No. 47-201)

“Establishments primarily engaged in manufacturing household, industrial and street-sweeping brooms; household, paint and tooth brushes; floor, dust and dish mops.”

SIC 3850 Plastic Fabricators, n.e.s.
(Cat. No. 47-208)

“Establishments primarily engaged in moulding, extruding and fabricating special plastic parts for automobiles, radios, toys, and other articles for the trade. Included also are establishments primarily engaged in making plastic articles which cannot be classified conveniently elsewhere, including synthetic sausage casings and plastic and fibreglass awnings.”

SIC 3931 Sporting Goods Industry
(Cat. No. 47-204)

The D.B.S. industry bulletin defines this industry as comprising those:

“Establishments primarily engaged in manufacturing sporting and athletic goods, such as bicycles, fishing tackle, golf and tennis equipment; baseball, football and boxing equipment, skates and equipment for other sports.”

SIC 3932 Toys and Games Industry
(Cat. No. 47-204)

The D.B.S. industry bulletin defines this industry as comprising those:

“Establishments primarily engaged in manufacturing toys of all kinds such as tricycles, dolls, wagons, sleighs and games.”

SIC 3950 Fur Dressing and Dyeing Industry
(Cat. No. 47-205)

“Establishments primarily engaged in scraping, currying, tanning, bleaching and dyeing pelts.”

SIC 3970 Signs and Displays Industry
(Cat. No. 47-209)

“Establishments primarily engaged in manufacturing signs and displays including electric signs and neon signs.”

SIC 3981 Button, Buckle and Fastener Industry
(Cat. No. 47-202)

The D.B.S. industry bulletin defines this industry as comprising those:

“Establishments primarily engaged in manufacturing buttons, buckles and fasteners.”

SIC 3986 Musical Instrument and Sound Recording Industry
(Cat. No. 47-203)

The D.B.S. industry bulletin defines this industry as comprising those:

“Establishments primarily engaged in manufacturing pianos, organs, stringed instruments, wind instruments and percussion instruments; recording and duplicating, or in duplicating only such articles as records, tapes, wires and other media for recording vocal or instrumental performances.”

SIC 3988 Typewriter Supplies Manufacturers
(Cat. No. 47-207)

The D.B.S. industry bulletin defines this industry as comprising those:

“Establishments primarily engaged in manufacturing carbon paper, stencil paper, inked ribbons and other typewriter supplies.”

SIC 3989 Fountain Pen and Pencil Manufacturers
(Cat. No. 47-207)

The D.B.S. industry bulletin defines this industry as comprising those:

“Establishments primarily engaged in manufacturing fountain pens and parts; ball-point pens; lead and mechanical pencils; and crayons.”

SIC 9990 Leather Glove Factories, Fabric Glove Manufacturers

The industry includes:

- SIC 1750 Leather Glove Factories (Cat. No. 33-204)
- SIC 2499 Fabric Glove Manufacturers (Cat. No. 34-218)

Leather Glove Factories are:

“Establishments primarily engaged in manufacturing gloves and mittens of leather.”

Fabric Glove Manufacturers are:

“Establishments primarily engaged in manufacturing fabric gloves.”

**LIST OF MANUFACTURING INDUSTRIES
EXCLUDED FROM THIS REPORT**

<u>Standard Industrial Classification Number</u>	<u>Industry</u>	<u>Value Added 1965</u>
		\$'000
2299	Miscellaneous Textile Industry, n.e.s.	46,440
2499	Miscellaneous Clothing Industry, n.e.s.	4,850
2592	Wood Handles and Turning	6,458
2599	Miscellaneous Wood Industries, n.e.s.	18,487
2950	Smelting and Refining	407,272
3090	Miscellaneous Metal Fabricating Industries	183,888
3040	Lime Manufacturers	10,791
3450	Gypsum Products Manufacturers	24,765
3520	Refractories Manufacturers	14,324
3540	Mineral Wool Manufacturers	17,103
3590	Other Non-Metallic Mineral Products Manufacturers	8,252
3799	Other Chemical Industries, n.e.s.	98,548
3813	Orthopaedic and Surgical Appliance Manufacturers	3,012
3820	Jewellery and Silverware Manufacturers	36,489
3840	Venetian Blind Manufacturers	1,013
3982	Candle Manufacturers	2,013
3983	Hair Goods Manufacturers	472
3984	Artificial Flowers and Feather Manufacturers	1,299
3985	Model and Pattern Manufacturers	10,597
3993	Smokers' Supplies Manufacturers	1,343
3995	Stamp and Stencil (rubber and metal) Manufacturers	5,744
3996	Statuary Art Goods, Regalia and Novelty Manufacturers	4,287
3997	Umbrella Manufacturers	788
3998	Artificial Ice Manufacturers	2,057
3999	Other Miscellaneous Industries	21,103
	Total	<u>931,395</u>

APPENDIX C

NOTES ON STATISTICAL METHODS

The Linking of Establishments Into Enterprises

The process of linking establishments into enterprises involved a number of stages. The Dominion Bureau of Statistics already had the means of linking together all the establishments of a single company in an industry. What remained to be done was to link together establishments in an industry which, while having different corporate names, were in fact under common control. Basically, what was required was knowledge about intercorporate connections.

Two sources of information about intercorporate connections were used. The first was the confidential files maintained by the Merger and Monopoly Branch of the Office of the Director of Investigation and Research, Combines Investigation Act, Ottawa. This source is built upon the basis of acknowledged control rather than upon any fixed percentage of ownership of one company by another.

The second source which was used was the non-confidential part of the returns filed by corporations in 1965 under the Corporations and Labour Unions Returns Act.¹ Most corporations with annual gross revenue exceeding \$500,000, or with assets exceeding \$250,000 must report under the Act. Exceptions include crown corporations and corporations operating under the authority of such Government of Canada Statutes as the Canadian and British Insurance Act, the Trust Companies Act, the Loans Companies Act, the Small Loans Act, the Radio Act and the Railway Act. Each is required, among other things, to report the name of each corporation holding 10 per cent or more of its total issued shares of any class and the number of shares of each class so held. On the basis of this kind of information, the Dominion Bureau of Statistics has arranged reporting corporations with intercorporate links into complexes. Each complex starts with a holding corporation in which no other reporting corporation owns over 10 per cent of the voting shares.

For purposes of the present study, the complexes were found to have the disadvantage that they are based upon ownership links as low as 10 per cent of voting stock. No means were available for determining which cases of minority ownership involved control and which did not. In the circumstances, it was decided to reorganize all complexes containing any minority ownership links. The corporations in the new complexes were all related by ownership links of more than 50 per cent of voting stock.

The information on intercorporate links obtained from the two sources was transferred to a D.B.S. companies list by means of a code in order to permit processing of data based upon the enterprise. In adding the code to the companies list, priority was

¹Now published as *Inter-Corporate Ownership*, 1965, Dominion Bureau of Statistics, Ottawa, 1967, Cat. No. 61-308.

accorded to information on file in the Merger and Monopoly Branch because it was based upon intercorporate control rather than majority ownership. Information on majority ownership linkages from C.A.L.U.R.A. was used only where no information from the first source was available. As it turned out, more linkages were obtained from the latter source than from the former. However, the former source included most of the large corporations, and probably accounted for more than half the total in terms of value of factory shipments.

Primary Product Specialization and Coverage Index

The "primary product specialization index" (PPSI) measures the extent to which plants classified in an industry specialize in making products regarded as primary to the industry; that is, value of shipments of primary products by the industry is expressed as a ratio of the total shipments of all products by the industry (excluding miscellaneous receipts, such as receipts for contract and commission work on materials owned by others, scrap and salable refuse, repair, etc.).

The "coverage index" (CI) measures the extent to which all shipments of products primary to an industry are made by plants classified in the industry, as distinguished from secondary producers elsewhere; that is, value of shipments of the primary products by the industry is expressed as a ratio of the total shipments of those products by all industries.

Two problems had to be overcome in compiling the two indexes. The first was that of compiling lists of products which were primary to each industry. The second was in obtaining the needed values of shipments.

The Dominion Bureau of Statistics does not publish lists of products which it treats as primary to each industry. For many industries such lists can be approximated by resorting to the bulletins of the Annual Census of Manufactures² and the Standard Commodity Classification Manual.³ In addition, valuable assistance was received from the Integration and Development Staffs of the Dominion Bureau of Statistics.

Many of the required product statistics were obtained from the annual industry bulletins and from the 1965 D.B.S. report on Products Shipped by Canadian Manufacturers.⁴ In some instances where the data were not available it was possible to deduce from published sources that the values involved were relatively small. In a number of cases where the values involved were greater than 5 per cent of an industry's shipments, the assistance of the Manufacturing and Primary Industries Branch of D.B.S.

²D.B.S., Ottawa: "Annual Census of Manufactures (1965)" various catalogues.

³D.B.S., Ottawa: "Standard Commodity Classification Manual, Vol. II" 1960.

⁴D.B.S., Ottawa: "Products Shipped by Canadian Manufacturers (1965)" Cat. No. 31-211.

was obtained. Often by means of product grouping they were able to provide the needed data without breach of confidence.

Estimation of Concentration Indexes

The data for the present study were supplied by the Dominion Bureau of Statistics and had to conform with the Statistics Act. As a consequence, statistics of shipments, value added and employment pertaining to groups of establishments and enterprises were withheld whenever their publication would have breached confidentiality of individual returns. To cite an example, if value added of the largest seven establishments of an industry had already been published elsewhere, the value added of the largest eight establishments had to be withheld. In many such instances, estimates of the missing data were made and they are believed to be reasonably accurate. The various techniques of interpolation which were used are described below.

Value of Factory Shipments

Statistics of factory shipments as pertaining to establishments were interpolated by the method used by Gideon Rosenbluth.⁵

Statistics of factory shipments as pertaining to enterprises posed a greater problem due to lack of previously published data based upon enterprises. As the number of enterprises in an industry is frequently smaller than the number of establishments, the industry bulletins published by the Dominion Bureau of Statistics could not be used. The parabolic curve method was used to interpolate values for suppressed enterprises between the top four and twenty. This type of interpolation assumes that the data can be fairly well described by a polynomial.

The following example will illustrate the method.⁶

Example:

To estimate the value of shipments for the eight largest enterprises given:

No. of largest enterprises	4	8	12	16
Deviation of No. of largest enterprises from 8	-4	0	4	8
Deviation divided by 4 = x	-1	0	1	2
Value of shipments = y (\$000)	96148		128730	138079

⁵Rosenbluth, Gideon "Concentration in Canadian Manufacturing Industries" Princeton, (1957) pp. 140-146.

⁶Elhance, D.N. "Fundamentals of Statistics" Kitab Mahal, Allahabad, India (1966 edn.)

Let the 'x' variable be the "Deviation divided by 4" and the 'y' variable be the value of 'Shipments'.

Substituting these values of x and y into the general second order polynomial

$$y = a + bx + cx^2$$

one obtains $96148 = a - b + c$ i

$$y_0 = a$$
 ii

$$128730 = a + b + c$$
 iii

$$138079 = a + 2b + 4c$$
 iv

Treating equations i, iii, iv as a system of simultaneous equations and solving for 'a' one finds

$$a = 114753$$

however $y_0 = a$

Thus the eight largest enterprises contribute \$114,753,000.

To test the method, 26 industries were chosen at random. The values of manufacturing shipments for the 4, 8, 12, 16 and 20 largest enterprises were known. It was assumed that a figure was suppressed and the parabolic curve method was used to calculate the values. The difference between the actual value and the calculated value was below 4 per cent in all cases and below 3 per cent in most cases. The bias of the estimated values tended to be upward. It was found that a second order polynomial generated the best estimate for the eight largest enterprises and a third order polynomial gave the best estimate for the 12 largest enterprises. Since all interpolation methods are highly sensitive to the interval between the known points, no interpolations were performed involving the values of the fifty largest enterprises.

Value Added and Employment

The method used by Rosenbluth⁷ can only be used to interpolate estimates pertaining to shipments, value added and employment of establishments if the respective class intervals in which the establishments fall into are also shipments, value added or employment. It is not possible for example, to calculate the value added or employment figures if the establishment size and their class intervals are measured in shipment units.

⁷Rosenbluth, Gideon - *Op. Cit.*, pages 140-146.

The 'difference method'⁸ was used to estimate the value added or employment of the top four or eight etc. establishments (ranked by shipments). The method can be used to interpolate middle figures in a series with even or uneven class intervals, or figures in the last of a series of chain intervals. In this study the method was applied to uneven class intervals.

The following example will illustrate the method.

Divided Difference Table

x	y	First Difference	Second Difference	Third Difference
x ₀	y ₀	$D^1_1 = \frac{y_1 - y_0}{x_1 - x_0}$	$D^2_1 = \frac{D^1_2 - D^1_1}{x_2 - x_0}$	$D^3_1 = \frac{D^2_2 - D^2_1}{x_1 - x_0}$
x ₁	y ₁	$D^1_2 = \frac{y_2 - y_1}{x_2 - x_1}$		
x ₂	y ₂		$D^2_2 = \frac{D^1_3 - D^1_2}{x_3 - x_1}$	
x ₃	y ₃	$D^1_3 = \frac{y_3 - y_2}{x_3 - x_2}$		

Where x₀ x₃ are the number of establishments for which we have data and y₀ y₃ is the data e.g. value added or employment, the resulting 'differences' are then substituted in the formula:

$$yx = y_0 + (x - x_0) D^1_1 + (x - x_0)(x - x_1) D^2_1 + (x - x_0)(x - x_1)(x - x_2) D^3_1$$

Where yx is the desired figure to be interpolated e.g. value added or employment and x is the number of establishments e.g. the top four or eight etc.

In the numerical example given below, an estimate of the top 16 establishments is made.

x	y
4	34991
8	59540
12	78569
17	98070

⁸ See for example:

Elhance, D.N. *Op. Cit.*, page 576.

Elhance, D.N. *"Practical Problems in Statistics"* - Kitab Mahal, Allahabad, India (1965 edn.).

Yule, G.U. and Kendall, M.G. *An Introduction to the Theory of Statistics*, C. Griffen (1958).

Compiling the difference table and substituting in Newton's formula we obtain:

x	y	First Difference	Second Difference	Third Difference
4	34991	$\begin{array}{r} D^1_1 \\ \frac{59540 - 34991}{8 - 4} = 6137.25 \end{array}$		
8	59540		$\begin{array}{r} D^2_1 \\ \frac{4757.25 - 6137.25}{12 - 4} = -172.50 \end{array}$	
12	78569	$\begin{array}{r} D^1_2 \\ \frac{78569 - 59540}{12 - 8} = 4757.25 \end{array}$		$\begin{array}{r} D^3_1 \\ \frac{-95.22 + 172.50}{17 - 4} = 5.94 \end{array}$
			$\begin{array}{r} D^2_2 \\ \frac{3900.20 - 4757.25}{17 - 8} = -95.22 \end{array}$	
17	98070	$\begin{array}{r} D^1_3 \\ \frac{98070 - 78569}{17 - 12} = 3900.20 \end{array}$		

$$\begin{aligned} yx &= 34991 + (16 - 4) 6137.25 + (16 - 4)(16 - 8) \\ &\quad (-172.50) + (16 - 4)(16 - 8)(16 - 12) 5.94 \\ &= 34991 + 59368 \\ &= 94359 \end{aligned}$$

To test the method a random sample of 26 industries was selected and various value added and employment figures were assumed to have been suppressed. In the case of value added figures the actual and interpolated figures deviated an average of 2.7 per cent. In the case of employment figures, the average error was slightly higher at 3.7 per cent. In most instances the estimates were biased upwards.⁹

The above method could not be used to estimate value added or employment as pertaining to enterprises because no previously published data were available to minimize the inaccuracies. Consequently, as with values of shipments by enterprises, the parabolic curve method was used to estimate enterprise value added and employment. The 80 per cent index for employment pertaining to establishments was estimated using the Rosenbluth method.

Weighted Concentration Ratios

In this Report, the weighted average of the top four (enterprise or establishment) regional concentration ratios were computed to assess the extent of regional segmentation

⁹It must be noted that the "difference method" of interpolation in this case assumes a linear relationship to exist between the number of establishments and their share of an industry's economic activity. This is an unrealistic assumption as far as concentration statistics can be described. However, the accuracy of this method, as well as most other methods of interpolation, increases if there are a greater number of observations with intervals of small absolute magnitude.

of markets. Each region's top four enterprise or establishment concentration ratio was weighted by the share of that region's value of factory shipments expressed as a ratio of the national value of factory shipments for that industry. The formula for the weighted average used in this study is:

$$\bar{X} = \frac{W_1 X_1 + W_2 X_2 + \dots + W_K X_K}{W_1 + W_2 + \dots + W_K}$$

where $W_1 \dots W_K$ = (Dollar value of factory shipments of all enterprises or establishments in a given industry in region 1 to K) divided by (national dollar value of factory shipments for that industry).

and $X_1 \dots X_K$ = (Dollar shipments of the top four enterprises or establishments in a given industry in region 1 to K) divided by (national dollar value of factory shipments for that industry).

APPENDIX D

A BRIEF NOTE ON MEASURES OF INDUSTRY CONCENTRATION

There are several types of measures of industry concentration some of which have been presented in this Report. Moreover, no single measure can be considered to be the best in all respects and there is a considerable amount of economic literature on the subject. Some of the issues pertaining to the concentration measures presented in this Report are examined below.

In economic theory, the type of competition prevailing in an industry is determined to a considerable extent by the size distribution of firms and the absolute number of firms in that industry. For instance, competition in an industry consisting of firms of similar size will be different than in an industry consisting of one or two dominant firms and a periphery of small firms. Indexes of industry concentration as a structural determinant of competition are based on those concepts. As stated earlier in this Report, a concentration index measures the extent to which a small number of firms account for a large proportion of an industry's economic activity. However, concentration indexes such as the inverse measure and the concentration ratio do not take into account the *total* number of firms in an industry and their relative size distribution. For example, in the 80 per cent index we exclude the number of firms that account for the remaining 20 per cent of an industry's economic activity. We also exclude a certain number of firms from the focus of our attention using the industry concentration ratio. In addition, the distribution of individual firm sizes is not indicated in the inverse measure or the concentration ratio due to aggregation.

A particular problem encountered by economists pertaining to the choice of a concentration index and the aggregate nature of the concentration ratio is illustrated in Table D-1.

Examining the concentration ratios for the top four enterprises, S.I.C. 1470 is *less* concentrated than S.I.C. 3180. If, however, we examine the concentration ratios for the top eight enterprises, S.I.C. 1470 is *more* concentrated than S.I.C. 3180. This poses a question; which of the two industries is more highly concentrated?

The concentration ratio can be more accurately interpreted if it is considered along with the coefficient of variation, which measures the relative size dispersion of individual enterprises within a size class. The coefficient of variation in Table D-2 indicates that enterprise size dispersion is greater in S.I.C. 3180 than in S.I.C. 1470. It also indicates that this dispersion is greatest in the top four enterprises in S.I.C. 3180; being more than twice the dispersion in the top four enterprises in S.I.C. 1470. Much of the same applies to the top eight enterprises. This leads to the conclusion that S.I.C. 3180 is more concentrated than S.I.C. 1470.

The coefficient of variation will to some degree also indicate whether the industry is dominated by relatively few large enterprises among many enterprises or by few

TABLE D-1
INDEXES OF ENTERPRISE CONCENTRATION IN TWO
SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965

S.I.C. No.	INDUSTRY	Total No. of Enterprises (and Establishments)	Percent of Total Value of Factory Shipments (and Number of Establishments) Accounted for by the						Total Value of Factory Shipments (\$ Mil.)	No. of Largest Enterprises Accounting For:		Herfindahl Index			P.P.S. Index	Coverage Index
			4	8	12	16	20	50		80% Shipments	80% Employment	Empl.	Ship.	Value Added		
			Largest Enterprises													
1470	Wineries (Number of estb.)	13 (19)	71.18 (9)	94.96 (13)	x (17)	--	--	--	23.1	x	5.57	14.24	16.13	15.90	95.39	100.00
3180	Office & Store Machinery Manufacturers (Number of estb.)	23 (23)	77.96 (4)	92.06 (8)	97.90 ^c (12)	99.09 (16)	99.85 ^c (20)	--	105.1	4.57	3.33	27.76	26.20	25.00	84.81	80.70

(c) Estimated Values.

Source: Table A-1 (Appendix A)

270

TABLE D-2
COEFFICIENTS OF VARIATION OF VALUE OF FACTORY SHIPMENTS,
CUMULATIVELY AND BY DISCRETE GROUPS OF LARGE ENTERPRISES
IN TWO SELECTED CANADIAN MANUFACTURING INDUSTRIES, 1965

S.I.C. No.	INDUSTRY	4	8	12	20	50	First 4 (1-4)	Next 4 (5-8)	Next 4 (9-12)	Next 8 (13-20)	Next 30 (21-50)
		Largest Enterprises (Cumulative)					Largest Enterprises (Per Single Group)				
1470	Wineries	0.3746	0.6510	x	--	--	0.3746	0.3667	x	--	--
3180	Office & Store Machinery Manufacturers	0.8265	1.2089	1.5097	2.0624	--	0.8265	0.1318	0.5724	0.2630	--

(c) Estimated Values.

Source: Table A-9 (Appendix A)

enterprises among a small number of enterprises. In the case of the above example, though S.I.C. 3180 has a greater number of enterprises than S.I.C. 1470, it is more concentrated than the latter. Analysing the coefficient of variation for single groups of large enterprises in S.I.C. 3180, we note that the relative dispersion is found to be greatest in the top four enterprises and tends to be less marked in the other groups. On the other hand, in S.I.C. 1470 the coefficient of variation for the first four and the next four enterprises are nearly equal and the relative difference of the coefficient of variation of the top four and top eight enterprises is less marked. This signifies that S.I.C. 1470 consists of more than four large enterprises of similar size groups. The interested reader can examine the average value of factory shipments in Table A-10 for these two industries. It will be noted that the proportional difference in the averages is greatest in S.I.C. 3180.

The Herfindahl index is an example of a concentration measure which takes into account not only the dispersion of relative firm sizes, but also the total number of firms in an industry. If for example, the Herfindahl index is examined in Table D-1, we arrive at the same conclusion as given above, namely S.I.C. 3180 is more concentrated than 1470¹. Though S.I.C. 3180 has a greater number of enterprises than S.I.C. 1470, the Herfindahl index for the former industry indicates that the relative dispersion between the larger and smaller enterprises is considerably greater than for the latter industry.

The advantage of the Herfindahl index in the above analysis is that in a single number it enables us to define the concentration level and relative patterns of enterprise size distribution. However, unlike the concentration ratio and the coefficient of variation, the Herfindahl index does not specify the market share of large enterprises in the industry. In addition, the Herfindahl index is aggregative and does not indicate in which particular group of firms the greatest dispersion in relative firm sizes exists. Furthermore, if two industries have the *same* Herfindahl indexes, one would be led to expect the same levels of concentration and relative dispersion of firm sizes.

For example, S.I.C. 1792 and 3310 do have the same Herfindahl index for shipments, (Table D-3). On the other hand, the coefficient of variation of the top eight enterprises in S.I.C. 3310 indicates a greater enterprise size dispersion as compared with S.I.C. 1792. In general terms, this would indicate that in S.I.C. 3310, a few enterprises within the top eight are more dominant. In S.I.C. 1060 and 2431-3 the difference in number of enterprises is very great. The former industry has 1,165 enterprises whereas S.I.C. 2431-3 has only 115. In so far as concentration index reflects structural determinants of competition, these two industries are very different. Yet, this is not evident from the Herfindahl index alone.

¹This is partly due to the fact that there exists a relationship between the Herfindahl index and the coefficient of variation.

$$H = \frac{c + 1}{n} \quad \text{where } c = \text{squared coefficient of variation and } n = \text{total number of firms in the industry.}$$

TABLE D-3
COEFFICIENTS OF VARIATION OF VALUE OF FACTORY SHIPMENTS
CUMULATIVELY AND BY GROUPS OF LARGE ENTERPRISES
IN SELECTED CANADIAN MANUFACTURING INDUSTRIES,
1965

S.I.C.	Number of Enterprises	Herfindahl Index (Ship.)	Coefficients of Variation					Coefficients of Variation				
			4	8	12	20	50	First 4 (1-4)	Next 4 (5-8)	Next 4 (8-12)	(13-20)	(21-50)
			Largest Enterprises (Cumulative)					Largest Enterprises (Per Single)				
1060	1,165	2.30	0.3902	0.6243	0.7515	0.9344	1.3897	0.3902	0.1906	0.0415	0.2338	0.2968
1690	72	7.95	0.3795	0.5991	0.7527	0.9931	1.7568	0.3795	0.2007	0.0259	0.3566	0.6631
1792	35	8.31	0.3530	0.5785	0.6861	0.9060	—	0.3530	0.1218	0.1732	0.3378	—
2180	63	5.34	0.2554	0.3064	0.4377	0.7258	1.3243	0.2554	0.0783	0.3153	0.2587	0.4301
2431-3	115	2.30	..	..	..	..	..	..	..	..	..	..
2710-1	50	5.34	..	..	..	..	..	..	..	..	..	..
3010	66	8.14	0.4258	0.7274	0.8881	1.1221 ^c	1.7865	0.4258	0.1783	0.0596	0.2940	0.3796 ^c
3310	59	8.31	0.3491	0.6626	0.8434	1.0763	1.7803	0.3491	0.3754	0.0417	0.1498	0.8113

Source: Table A-9 (Appendix A)

Professor Gideon Rosenbluth ranked industries using three concentration indexes:²

(1) Percentage of *employment* accounted for by the leading three firms

(2) Number of firms required to account for 80 per cent of *employment*,

and

(3) Herfindahl's summary index for *employment*

Statistical analysis showed that the ordering of industries by concentration level is largely independent of the particular *index* employed. The Spearman rank correlation coefficient comparing indexes (1) and (2) was .981; the coefficient comparing index (1) and (3) was .980, and the coefficient comparing indexes (2) and (3) was .979.

A similar analysis of the various enterprise concentration indexes used in this study has been made, viz:

(1) top four concentration ratio

(2) 80 per cent shipments index

(3) 80 per cent employment index

(4) Herfindahl index (employment)

(5) Herfindahl index (shipments) and

(6) Herfindahl index (value added)

TABLE D-4

SPEARMAN RANK CORRELATION COEFFICIENT BETWEEN SELECTED MEASURES OF CONCENTRATION, CANADIAN MANUFACTURING INDUSTRIES, 1965

	1	2	3	4	5	6
Index	Top 4 Concentration Ratio (Ship.)	80% (Ship.)	80% (Empl.)	Herfindahl Index (Empl.)	Herfindahl Index (Ship.)	Herfindahl Index (V.A.)
1 Top 4 Concentration Ratio (Ship.)	—	.8273	.9254	.9345	.9684	.9809
2 80% (Ship.)	.8273	—	.9828	.9206	.8963	.8962
3 80% (Empl.)	.9254	.9828	—	.9563	.9271	.9312
4 Herfindahl Index (Empl.)	.9345	.9206	.9563	—	.9769	.9786
5 Herfindahl Index (Ship.)	.9684	.8963	.9271	.9769	—	.9888
6 Herfindahl Index (Value Added)	.9809	.8962	.9312	.9786	.9888	—

This statistical analysis covered various sets of observations for the six different concentration indexes. As certain concentration indexes were withheld to avoid disclosure of individual enterprise statistics, the analysis could not be extended to cover all of the 159 manufacturing industries surveyed. The analysis indicates that the choice of an index of concentration does not significantly alter the *overall* ranking of the

²Rosenbluth, Gideon — *Concentration in Canadian Manufacturing Industries*, NBER, Princeton, (1957), page 13.

Rosenbluth, Gideon — "Measures of Concentration" in *Business Concentration and Price Policy*, NBER, Princeton (1955), page 59n.

concentration levels. However, it is suspected that these results may not apply to the groups of industries in different concentration levels. Such analysis could not be extended due to the large number of concentration indexes withheld to avoid individual enterprise disclosure.

It must be noted that the above rank correlation coefficients are applicable to the overall *ranking of different concentration indexes* even though different measures e.g. shipments, value added and employment were used. These coefficients do not describe the close correlation between shipments, employment and value added. A simple correlation coefficient computed between 80 per cent shipments and 80 per cent employment index yield $r = .9561$. The correlation coefficient between Herfindahl index (shipments) and Herfindahl index (employment) is .9596 and between Herfindahl index (value added) and Herfindahl index (shipments) is .9839. The correlation coefficient between Herfindahl index (employment) and Herfindahl index (value added) is .9618.

LKC
HD 9734 .C2 A4
Khemani, R. S
Concentration in the manufacturing
industries of Canada



INDUSTRY CANADA/INDUSTRIE CANADA



60591