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# MANUFACTURING INDUSTRIES OF CANADA

## Section E

### PRAIRIE PROVINCES

1960

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MANUFACTURING INDUSTRIES OF CANADA  
Section E  
PRAIRIE PROVINCES  
1960

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THE CANADIAN ECONOMY

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## EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1960 are as follows:

### Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

### Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory; sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

### Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, ware-

housing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc. are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

### Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

### Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

### Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

### Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers



and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

### **Inventories**

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

### **Value added by Manufacturing**

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.<sup>1</sup>

### **Standard Industrial Classification**

The revised Standard Industrial Classification which has been introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

### **Short Forms**

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form. This practice was followed again in 1960.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

<sup>1</sup> To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

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# MANUFACTURING INDUSTRIES OF CANADA

## Section E

### PRAIRIE PROVINCES

1960

Manufacturing statistics for 1960 were compiled in accordance with the Revised Standard Industrial Classification. The main feature of the revisions was the classification of manufacturing industries into twenty main groups in place of the eighteen groups formerly used. Furniture and fixtures was established as a new group while the Iron and steel products and Non-ferrous metal products groups were rearranged into three groups as follows:

- (a) Primary metal industries
- (b) Metal fabricating (excluding machinery and transportation equipment)
- (c) Machinery industries (excluding electrical machinery)

Individual industries in the Primary metal industries group can be distinguished between Iron and steel and Non-ferrous metals, but in the metal fabricating group no such distinction is possible. Developments in metallurgical processes and the use of alloys have resulted in alloy steels and non-ferrous alloys being used interchangeably for many purposes so that individual establishments and industries cannot now be classified on the basis of type of materials used. Also the machinery industries have become sufficiently important to constitute a major group which is both distinctive and homogeneous.

The S.I.C. in effect prior to 1960 provided for a separate Coke and gas industry as part of the Products of petroleum and coal group. This industry included, in addition to gas plants operated as utilities, those coke plants operated as divisions of (a) chemical plants and (b) wholly integrated steel mills. The new S.I.C. implemented in 1960 consolidated these divisional coke operations with the major activity in the appropriate industry and at the same time transferred the gas plants operated as utilities out of manufacturing to the Electric power, gas and water utilities group. The net effect of these changes was the complete abolition of the Coke and gas industry as a separate industry in the new S.I.C.

The consolidation of the divisional coke operations mentioned above, particularly those operated by the wholly integrated steel mills, had a major impact on the overall cost of materials reported on the revised S.I.C. Under the old S.I.C. basis, Coal which accounted for the major material cost in the old Coke and gas industry was, in effect, double counted, once as coal in the Coke and gas industry and again as coke in the Primary iron and steel industry. This double counting of coal was eliminated by the consolidation of these coking operations in accordance with the revised S.I.C. Under the latter concept the coke previously reported separately as part of the material cost in the old Primary

iron and steel industry is treated as an intermediate product of the steel mills and, accordingly, cost of same is not recorded. The effect of this treatment is a reduction in the overall cost of materials under the revised S.I.C.

The main differences between the revised and old classifications can be summarized as follows:

#### **Foods, Beverages**

Poultry processors are added as a separate industry. Under the old classification only the poultry processed by slaughterers and meat packers was included in the annual survey of manufactures. Now all establishments primarily engaged in killing, dressing, packing or canning poultry are included with manufacturing.

Vegetable oil mills are transferred to this group. Formerly they were included with Chemicals and allied products.

#### **Textile Industries**

Fibre preparing mills are constituted as a separate industry. These establishments were formerly included with:

Miscellaneous cotton goods  
Miscellaneous woollen goods  
Miscellaneous textiles

Pressed and punched felt mills are constituted as a separate industry. These establishments were formerly included with:

Miscellaneous woollen goods  
Miscellaneous cotton goods

Thread mills now include all establishments producing thread, regardless of the nature of the fibre used. Formerly only manufacturers of cotton thread were included with the Cotton thread industry.

The former Miscellaneous cotton goods and Miscellaneous woollen goods industries have been discarded.

The establishments of Miscellaneous cotton goods were transferred mostly to Fibre Preparing mills and Pressed and punched felt mills.

The establishments of Miscellaneous woollen goods were transferred mostly to Woollen cloth mills and Pressed and punched felt mills.

#### **Clothing Industries**

Fur dressing and dyeing was transferred to the Miscellaneous group of industries.

#### **Wood Industries**

Furniture industry was transferred from this group to the new group: Furniture and fixtures industries.

### Furniture and Fixtures Industries

This group now includes the old Furniture industry plus establishments manufacturing furniture that were formerly included with the metal and miscellaneous industries groups. This group is now composed of the following industries:

- (a) Household furniture
- (b) Office furniture
- (c) Other furniture industries
- (d) Electric lamp and shade industry (formerly included with the Miscellaneous Group of industries).

### Printing, Publishing and Allied Industries

Publishers of non-commercial periodicals, such as institutional publications, constituting over 1,000 reporting units are now excluded from the manufacturing sector. Included now, however, are publishers (only) of books which were formerly excluded.

### Electrical Products Industries

1. Eight industries were established in place of the five industries formerly used.

2. In general, the new S.I.C. industry, Manufacturers of electrical industrial equipment, compares to the old S.I.C. industry, Heavy electrical machinery and equipment.

3. In the new S.I.C. two new industries, Manufacturers of household radio and television receivers and Communications equipment manufacturers are a split of the old S.I.C. industry, Telecommunications equipment. There is one significant change in the group in the transfer of manufacturers of telephone equipment from the old S.I.C. industry, Miscellaneous electrical products to the new S.I.C. Communications equipment manufacturers.

4. Also in the new S.I.C. two new industries, Manufacturers of small electrical appliances and Manufacturers of major appliances (electric and non-electric) take the place of the old S.I.C. industry, Refrigerators, vacuum cleaners and appliances. The significant change here is the transfer of Manufacturers of washing machines and sewing machines from the old S.I.C. industry, Household, Office and store machinery and Stoves, electric and non-electric, from the old S.I.C. industry, Heating and cooking apparatus to the new S.I.C. industry, Major appliances (electric and non-electric).

5. Another new S.I.C. industry, Manufacturers of electric wire and cable was split out of the old S.I.C. industry, Miscellaneous electrical products.

6. The industry Battery manufacturers in the new S.I.C. is unchanged from the old S.I.C. industry, Batteries except for the change in title.

The following changes were made in the Metal and machinery industries:

#### Revised Classification

##### Primary metals

Iron and steel mills  
Steel pipe and tube mills  
Iron foundries  
Smelting and refining  
Aluminum rolling, casting and extruding  
Copper and alloy rolling, casting and extruding  
Metal rolling, casting and extruding, n.e.s.

##### Metal fabricating industries

(excluding machinery industries)

Boiler and plate works  
Fabricated structural metal industry  
Ornamental and architectural metal industry  
Metal stamping, pressing and coating industry  
Wire and wire products manufacturers  
(excluding electric wire and cable)  
Hardware, tool and cutlery manufacturers<sup>1</sup>  
Heating equipment manufacturers<sup>1</sup>  
Machine shops<sup>2</sup>  
Miscellaneous metal fabricating industries

##### Machinery industries (excluding electrical machinery)

Agricultural implement industry  
Miscellaneous machinery and equipment manufacturers  
Commercial refrigeration and air conditioning equipment manufacturers  
Office and store machinery manufacturers

#### Old Classification

##### Iron and steel products

Agricultural implements  
Boilers, tanks and plate work  
Bridge and structural steel work  
Castings, iron  
Hardware, tools and cutlery  
Heating and cooking apparatus  
Machinery, household, office and store  
Machinery, industrial  
Machine shops  
Machine tools  
Primary iron and steel  
Sheet metal products  
Wire and wire goods  
Miscellaneous iron and steel products

##### Non-ferrous metal products

Aluminum products  
Brass and copper products  
Jewellery and silverware<sup>3</sup>  
Non-ferrous metal smelting and refining  
White metal alloys  
Miscellaneous non-ferrous metal products

<sup>1</sup> Domestic stoves and ranges now included with Manufacturers of major appliances in the Electrical products group.

<sup>2</sup> Now includes tool and die making.

<sup>3</sup> Transferred to Miscellaneous group of industries.



### Non-metallic Mineral Products Industries

The Salt industry which was formerly considered both as mining as well as manufacturing is now considered only as a mining operation and has therefore been transferred to the Mining sector.

### Petroleum and Coal Products Industries

Absorption plants transferred from the Petroleum refining industry to the Mining sector.

### Chemical and Chemical Products Industries

The revised classification provides for a breakdown of the Chemical group into ten separate industries under the new title of Chemical and chemical products industries. This corresponds generally to the group formerly presented as Chemicals and allied products, except for the Vegetable oils industry which was transferred from the Chemical group to the Food and beverage industries group. The implementation of the new classification introduced a number of intra-industry changes, as follows:

1. Transfer of the Vegetable oils industry to the Food and beverage industries group.

2. Transfer of firms manufacturing fertilizer materials, such as ammonium nitrate, ammonium phosphate, etc., from the Fertilizers industry (old basis) to the new S.I.C. industry Manufacturers of Industrial chemicals. Manufacturers of superphosphate will continue to be classified to the new S.I.C. industry, Manufacturers of mixed fertilizers, along with firms manufacturing mixed fertilizers.

3. The abolition of the Coal tar distillation industry, the Compressed gases industry, the Adhesives industry and the Polishes and dressings industry as separate industries. Details formerly presented for the Compressed gases industry will now be included as part of the new S.I.C. industry, Manufacturers of Industrial chemicals. The remaining three industries will be included in the new S.I.C. industry, Other chemical industries, n.e.s.

4. Details relating to the manufacture of writing inks will now be included as part of the new S.I.C. industry, Other chemical industries, n.e.s.; printing inks will be covered separately in a new subdivision, Manufacturers of printing inks.

5. Statistics relating to the manufacture of synthetic rubber, previously included in the Miscellaneous chemical products industry (old basis) will now be included in the new S.I.C. industry, Manufacturers of Industrial chemicals.

6. Data relating to the manufacture of explosives, previously presented in the Miscellaneous chemical products industry (old basis) are now to be shown separately in a new S.I.C. industry, Explosives and ammunition manufacturers.

7. Changes in the following industries resulting from the implementation of the new S.I.C. may be generally considered as minimal. Manufacturers of pharmaceuticals and medicines (formerly the Medicinal and pharmaceutical preparations industry); Paint and varnish manufacturers (formerly the Paints, varnishes and lacquers industry); Manufacturers of soap and cleaning compounds (formerly the Soaps, washing compounds and cleaning preparations industry); Manufacturers of toilet preparations (formerly the Toilet preparations industry).

### Miscellaneous Industries

Dental laboratories added as a new industry for the first time.

Venetian blind manufacturers now forms a separate industry. Formerly classified with Miscellaneous wood industries.

Fur dressing and dyeing transferred from the Clothing industries to this group.

Jewellery and silverware transferred from the Non-ferrous metal products to this group.

Electric lamp and shade industry transferred from this group to the Furniture and fixtures group.

The changes in classification listed above, the addition of new industries and the transfer of industries from manufacturing to other sectors of the economy, make it extremely difficult to compare the manufacturing statistics compiled on the revised classification basis with those compiled on the old basis. In order to get comparability for 1960 figures with those for back years, the statistics of manufactures have been recompiled on the new basis back to 1957. In order to serve as a guide for revising the figures for total manufacturing for back years, the following tables indicate the major adjustments made in changing to the revised basis. Although adjustments can be made for manufacturing as a whole on a more or less comparable basis for back years, for some of the major groups, however, this is impossible without a complete recompilation of the individual returns.



**Reconciliation of the Revised Manufacturing Statistics for 1959 on the New Standard Industrial Classification Basis, with the Statistics Previously Published on the Old Standard Industrial Classification Basis**

	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
1959—Unrevised .....	36,193	1,303,956	5,073,073,706	12,552,200,543	23,311,601,481
1959—Revised .....	35,075	1,300,765	5,062,744,615	12,496,864,441	23,204,208,671
<i>Difference (Minus) .....</i>	<i>1,118</i>	<i>3,191</i>	<i>10,329,091</i>	<i>55,336,102</i>	<i>107,392,810</i>
Industries removed from the manufacturing sector:					
Salt (transferred to Mining) .....	15	926	3,903,318	3,419,626	20,224,407
Absorption plants (transferred to Mining) .....	15	474	2,581,722	7,169,778	17,690,408
Publishing (only) of periodicals <sup>1</sup> .....	1,041	1,250	2,464,456	10,523,207	12,833,060
All other industries <sup>2</sup> .....	47	541	1,379,595	34,223,491	56,644,935
<b>Total .....</b>	<b>1,118</b>	<b>3,191</b>	<b>10,329,091</b>	<b>55,336,102</b>	<b>107,392,810</b>

<sup>1</sup> Non-commercial periodicals such as house organs etc. have been discarded.

<sup>2</sup> See text on page 7 for the explanation of the reduction in the cost of materials and value of factory shipments. About \$47,000,000 of the loss in the value of shipments is accounted for by the disappearance of coke as a commodity.

**Reconciliation of Revised 1960 Manufacturing Statistics with the Revised Figures for 1959**

	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
Manufacturing statistics, 1960 .....	36,682	1,294,629	5,207,167,393	12,705,070,820	23,747,457,083
Less new industries added in 1960:					
Poultry processors .....	245	4,764	11,297,426	99,437,265	119,235,468
Dental laboratories .....	499	1,720	6,736,498	2,690,692	12,114,820
Total deduction .....	744	6,484	18,033,924	102,127,957	131,350,288
1960—Net .....	35,938	1,288,145	5,189,133,469	12,602,942,863	23,616,106,795
1959—Net .....	35,075	1,300,765	5,062,744,615	12,496,864,441	23,204,208,671
Difference between 1960 and 1959 .....	+ 863	- 12,620	+ 126,388,854	+ 106,078,422	+ 415,298,124
Percentage difference .....	—	- 1.0	+ 2.5	+ 0.8	+ 1.8

**Note:** The figures in the above tables refer to Canada.

## GENERAL REVIEW, 1960

The leading industries of the Prairie Provinces are those based on agricultural resources—grain-growing, cattle-raising and dairying areas. Next in importance, generally, are industries providing for the more necessary needs of the resident population, such as the baking of bread, printing and publishing, etc. The extensive railway services require large shops for the maintenance of rolling-stock, especially in the Winnipeg area. The widespread use of motor vehicles and power machinery on farms has given rise to petroleum refineries in each province. This industry has made tremendous strides in the Prairie Provinces since 1949. At that time it ranked third in importance, being outranked by slaughtering and meat packing which was then in first place and by flour mills which ranked second. In 1956 it assumed the premier position in the Prairie Provinces in selling value of factory shipments but dropped to second place since then. Of greater significance is the fact that it has increased its proportion of the total manufacturing production of the Prairie Provinces from 8.5 p.c. in 1949 to 15.5 p.c. in 1958. In 1960 the proportion declined to 11.9 p.c. This, however, was not due to a decline in the importance of the industry but rather to a change in method of reporting unit values of petroleum products which in 1959 and 1960 were reported at a lower level than was formerly the case. Manitoba, as the early commercial centre of the prairies, has had a greater industrial development than either of the other provinces. Its natural resources of accessible water power, forests and, more recently, minerals, have given rise to quite a diversification of industrial production. In Saskatchewan, while the main economic role continues to be played by agriculture, both oil and mineral wealth are being developed.

Considering the Prairie Provinces as an economic unit, slaughtering and meatpacking with shipments valued at \$344,320,000 in 1960 was the leading industry. Petroleum refining with \$234,442,000 ranked second, followed by flour mills with \$96,646,000, pasteurizing plants \$69,966,000 and butter and cheese \$60,712,000. These five industries accounted for 41 per cent of the total value of factory shipments of the Prairie Provinces. Smelting and refining was in fifth place in 1960 and butter and cheese in sixth place. Figures for smelting and refining, however, cannot be published. Other leading industries, in order of value of factory shipments and with shipments of \$18,000,000 or more were: bakeries, railroad rolling stock, printing and published, pulp and paper, breweries, fabricated structural metal industries, manufacture of industrial chemicals, men's clothing factories, metal stamping pressing and coating, miscellaneous foods, n.e.s., sash, door and planing mills, feed manufacturers, cement, poultry processing, printing and book-binding, sawmills, concrete products, soft drink manufacturers, steel pipe and tube mills, manufacture of plastics and synthetic resins, and miscellaneous metal fabricating industries.

In water-power resources, the Prairie Provinces are not so well endowed as the more highly industrialized provinces of Quebec, Ontario and British Columbia. At the end of 1960 power installation in the three provinces totalled only 1,220,330 h.p. or about 6 p.c. of the Canadian total. Manitoba had 988,900 h.p., Saskatchewan 132,135 h.p. and Alberta 414,455 h.p. With the present development of natural gas and oil, the Prairie Provinces, will in large measure be able to overcome a lack of water-power resources which is so vital to industrial development.

In the Prairie Provinces, the nature of development varies from one province to another. Alberta has moved to the forefront, especially since 1950. There the emphasis has been more on the manufacture of machinery and equipment for the burgeoning oil and gas industries. Chemicals, and especially petrochemicals, have made striking gains; second in terms of new growth, they now embrace various rayon intermediates and polythene plastics, as well as fertilizers and the manufacture of other new inorganic products like caustic soda and chlorine. Sizeable gains have been made by the expansion of food-processing plants and the construction of still more factories for making building materials, transportation equipment, paper products and textiles. Based on the increase in employment between 1949 and 1959 the foods and beverages group with an increase of 2,476 employees reported the greatest expansion in production. This was followed closely by iron and steel products with an increase of 2,435 employees, chemicals and allied products 1,312, products of petroleum and coal 1,269, non-metallic mineral products 1,145, paper products 1,123, transportation equipment 842, printing, publishing and allied industries 767 and non-ferrous metal products 639. All groups reported increases in employment. The wood products group which in 1958 reported a drop of 485 employees as compared with 1949 had an increase of 20 employees in 1959.

Developments in Saskatchewan, by contrast, have continued along more or less traditional lines since 1949. The largest gain of 585 employees has been recorded by the products of petroleum and coal group which includes oil refineries. The second highest gain of 333 employees was reported by the non-metallic mineral products group which consists of a number of industries manufacturing building products. Considerable expansion was also reported by miscellaneous industries, foods and beverages, iron and steel products, paper products and printing, publishing and allied industries. Wood products with a drop of 298 employees was the only major group to report a decline in employment; this no doubt being due to the decline in the exports of lumber and its products during the past few years.

Although Manitoba experienced considerable development in manufacturing production since 1949, it did not, percentagewise, keep pace with the other



two Prairie Provinces. The change was not so much in the magnitude but rather in the nature of manufacturing production. The emphasis has shifted from the production of food and clothing to the production of products of mineral origin, such as iron and steel, non-metallic mineral products electrical apparatus and products of petroleum and coal. There was also a wider diversification of products as is evidenced by the increase of 472 employees in the miscellaneous group. For manufacturing as a whole the increase in the number of employees totalled 1,189. The largest increase of 1,354 was reported by the iron and steel group. The non-metallic mineral products group with 782 reported the second largest increase, followed by miscellaneous industries with 370, products of petroleum and coal 278, electrical apparatus and supplies 259 and paper products 211. Only four groups reported major declines in employment: transportation equipment 812, clothing, including knitting mills 574, foods and beverages 463 and textiles 275. The foods and beverages group which in 1949 accounted for 25.3 p.c. of the total employment in manufacturing accounted for 23.5 p.c. of the total in 1959. The foods and beverages group with 10,163 employees was still in first place in 1959 as an employer of labour. This was followed by

iron and steel products with 6,128 transportation equipment 5,850, clothing, including knitting mills 5,806, printing, publishing and allied industries 3,828 and wood products 3,302. These six groups accounted for 81 p.c. of the manufacturing employment in Manitoba.

The expansion in manufacturing production in the Prairie Provinces between 1949 and 1959 kept pace with that of Canada as a whole. This is indicated by the Prairie Provinces' share of the Canadian total which amounted to 8.51 p.c. in 1949 and 8.49 p.c. in 1959. For the first few years production in these provinces lagged behind, the percentage of the total dropping from 8.51 in 1949 to 7.91 in 1953. In 1954 conditions were reversed. The Prairie Provinces reported an increase of 1.4 p.c. in value of factory shipments as compared with a decline of 1.3 p.c. for Canada as a whole. This brought their share of the total to 8.13 p.c. In 1955 and 1956 conditions deteriorated again with the percentage of the total dropping to 7.62. The expansion which took place during 1957 to 1959 saw an improvement in the percentage to 8.49 of the total, almost equalling the 1949 percentage of 8.51.

**Variation in Employment and Factory Shipments, 1959 Compared with 1949**

Province	Employees	Earnings	Selling value of factory shipments
		per cent	
Manitoba .....	+ 2.8	+ 78.9	+ 56.6
Saskatchewan .....	+ 15.7	+ 111.2	+ 61.0
Alberta .....	+ 49.6	+ 176.7	+ 138.5
<b>Prairie Provinces</b> .....	<b>+ 20.2</b>	<b>+ 116.3</b>	<b>+ 86.2</b>
<b>Canada</b> .....	<b>+ 11.3</b>	<b>+ 95.7</b>	<b>+ 86.8</b>

According to Table 1, manufacturing establishments in 1960 numbered 4,327 for the Prairie Provinces as a whole. These plants furnished employment to 94,414 persons who received \$360,367,605 in salaries and wages. They also shipped goods with a selling value at the factory of \$1,972,888,407 and spent \$1,159,897,195 for materials, while the value added by manufacture totalled \$779,409,171.

As already indicated in the text, the statistics for 1960 were compiled on the Revised Standard Industrial Classification. The main features of the revision was the adoption of twenty major industrial groups in place of the eighteen formerly used. Furniture and fixtures was established as a new group while the Iron and steel products and Non-ferrous metal products groups were re-arranged into three groups as follows:

- (a) Primary metal industries,
- (b) Metal fabricating (excluding machinery and transportation equipment),
- (c) Machinery industries (excluding electrical machinery).

Two new industries, *viz.* Poultry processors and Dental laboratories were established while several industries such as salt, absorption plants, coke and some publishers only of periodicals were removed from the manufacturing sector.

These changes make it impossible to compare the 1960 results with previous years without making a complete recompilation of the statistics of previous years on the revised basis. This has already been done back to 1957 and the changes in the employment pattern in the Prairie Provinces between 1957 and 1960 are given in the table below.

From the point of view of manufacturing employment the Prairie Provinces as a unit fared much better than Canada as a whole between 1957 and 1960. For the Prairie Provinces there was a slight increase of 0.1 p.c. in employment while for Canada as a whole there was a decline of 4.5 p.c. The non-durable or consumer goods industries reported an increase of 3.0 p.c. as compared with a 0.2 p.c. decline for Canada. The durable goods industries also fared better with a drop of only 3.9 p.c. while for Canada the drop was 9.3 p.c. As is indicated in

the table below, manufacturing in the Prairie Provinces consists mainly of consumer goods. In 1960 the non-durable goods industries accounted for 60.6 p.c. of the total manufacturing employment while the durable goods industries accounted for the balance of 39.4 p.c. Between 1957 and 1960 non-durable goods industries increased their proportion of the total employment in manufacturing from 58.9 p.c. in 1957 to 60.6 p.c. in 1960 while the durable goods industries suffered a proportionate decline.

**Manufacturing Employment in the Prairie Provinces, by Industrial Group, 1957 and 1960**

Industrial group	Manitoba		Saskatchewan		Alberta	
	1960	1957	1960	1957	1960	1957
<b>Non-durable goods:</b>						
Foods and beverages .....	10,540	9,996	5,860	5,447	12,267	11,739
Tobacco products .....	—	—	—	—	—	—
Rubber .....	1	1	—	—	1	1
Leather .....	554	739	—	—	86	62
Textiles .....	508	541	90	78	431	464
Knitting mills .....	139	91	—	—	27	48
Clothing .....	5,646	5,843	266	256	1,145	999
Paper and allied industries .....	1,624	1,755	200	43	1,198	1,157
Printing, publishing and allied industries .....	3,917	3,826	1,588	1,548	2,794	2,625
Petroleum and coal products .....	698	996	1,111	1,278	1,742	1,980
Chemicals and chemical products .....	649	683	<sup>1</sup>	101	1,903	1,913
Miscellaneous manufacturing industries .....	1,148	775	300	104	766	467
<b>Totals .....</b>	<b>25,423</b>	<b>25,245</b>	<b>9,415</b>	<b>8,855</b>	<b>22,359</b>	<b>21,454</b>
<b>Durable goods:</b>						
Wood industries .....	1,161	1,269	978	1,198	3,695	4,518
Furniture and fixtures .....	1,937	1,892	111	89	896	770
Primary metals .....	1,426	1,610	730	583	1,357	1,332
Metal fabricating (except machinery and transportation equipment) .....	3,513	3,285	750	452	3,805	3,728
Machinery (except electrical) .....	1,143	1,004	150	175	355	272
Transportation equipment .....	5,395	7,048	71	12	2,985	3,666
Electrical products .....	806	1,065	<sup>2</sup>	66	227	188
Non-metallic mineral products .....	1,535	1,320	713	512	3,478	2,670
<b>Totals .....</b>	<b>16,916</b>	<b>18,493</b>	<b>3,503</b>	<b>3,087</b>	<b>16,798</b>	<b>17,144</b>
<b>Grand totals .....</b>	<b>42,339</b>	<b>43,738</b>	<b>12,918</b>	<b>11,942</b>	<b>39,157</b>	<b>38,598</b>

<sup>1</sup> Included with miscellaneous industries.

<sup>2</sup> Included with non-metallic mineral products.



Percentage Variation in Manufacturing Employment in the Prairie Provinces, 1960 and 1957

Province	Total manufacturing	Non-durable goods	Durable goods
Manitoba .....	- 3.2	+ 0.7	- 8.5
Saskatchewan .....	+ 8.2	+ 6.3	+ 13.5
Alberta .....	+ 1.4	+ 4.2	- 2.0
<b>Prairie Provinces</b> .....	<b>+ 0.1</b>	<b>+ 3.0</b>	<b>- 3.9</b>
<b>Canada</b> .....	<b>- 4.5</b>	<b>- 0.2</b>	<b>- 9.3</b>

TABLE 1. Principal Statistics of the Manufacturing Industries of Canada by Provinces, 1960<sup>1</sup>

Basis: Revised Standard Industrial Classification, adopted in 1960

Provinces	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture <sup>2</sup>	Value of factory shipments
	number		dollars			
Newfoundland .....	635	9,489	32,703,188	58,903,797	64,650,269	129,284,578
Prince Edward Island .....	184	1,806	4,254,917	21,220,060	8,690,360	30,231,361
Nova Scotia .....	1,278	28,606	92,280,125	220,292,841	174,808,237	406,182,088
New Brunswick .....	901	22,267	71,586,377	209,113,069	158,035,175	377,110,146
Quebec .....	11,961	433,949	1,620,314,474	3,881,172,827	3,172,769,694	7,206,096,003
Ontario .....	13,387	603,467	2,585,676,553	6,126,027,277	5,319,683,901	11,685,675,652
Manitoba .....	1,592	42,339	154,263,811	419,583,431	306,434,692	738,457,346
Saskatchewan .....	887	12,918	49,764,266	215,404,848	119,776,935	344,773,261
Alberta .....	1,848	39,157	156,339,528	524,908,916	353,197,544	889,657,800
British Columbia .....	3,995	100,507	439,368,651	1,026,998,973	853,836,400	1,936,917,630
Yukon and Northwest Territories .....	14	124	615,503	1,444,781	1,325,787	3,071,218
<b>Canada</b> .....	<b>36,682</b>	<b>1,294,629</b>	<b>5,207,167,393</b>	<b>12,705,070,820</b>	<b>10,533,208,994</b>	<b>23,747,457,083</b>

<sup>1</sup> Statistics for 1960 include two industries which were not covered in previous years: Poultry Processors in the Food and Beverage Industries Group and Dental Laboratories in the Miscellaneous Manufacturing Industries Group.

<sup>2</sup> Calculated value of production (shipments plus closing inventory, minus opening inventory of goods in process and finished products) less cost of materials and fuel and electricity used.

SUBSECTION 1

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PROVINCE OF MANITOBA



TABLE 2. Principal Statistics of the Manufacturing Industries of Manitoba, 1931 - 60

Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Gross value of products <sup>2</sup>
	No.	\$	No.		dollars		
1931 .....	894	123,861,840	22,062	27,840,416	54,958,745	52,235,773	110,032,372
1932 .....	911	110,401,086	20,223	21,731,654	45,452,436	40,303,911	88,091,022
1933 .....	1,010	100,074,404	18,871	18,687,430	44,579,998	37,390,275	83,934,777
1934 .....	1,013	104,865,130	19,828	19,932,594	54,595,345	41,077,566	97,693,242
1935 .....	1,035	116,127,822	21,196	22,403,193	67,756,585	39,559,035	109,621,432
1936 .....	1,011	118,515,841	22,507	24,490,299	74,374,078	45,015,577	122,050,502
1937 .....	1,043	119,363,026	23,706	27,198,978	87,684,514	49,950,465	140,805,451
1938 .....	1,072	114,367,743	23,507	27,195,923	80,447,740	48,308,248	131,770,280
1939 .....	1,087	119,659,365	23,910	28,444,798	82,408,293	48,810,544	134,293,595
1940 .....	1,171	132,978,496	26,679	31,940,562	101,693,250	62,352,698	167,919,165
1941 .....	1,184	163,489,471	32,262	40,894,267	132,330,823	74,450,721	211,534,751
1942 .....	1,287	175,902,477	37,519	51,605,139	159,248,309	94,856,679	259,554,350
1943 .....	1,245	173,752,507	37,003	53,841,825	200,464,756	99,146,670	304,867,912
1944 .....	1,290	"	40,937	62,758,081	226,234,925	120,339,926	352,334,594
1945 .....	1,302	"	38,367	59,814,109	216,114,576	117,775,126	339,821,283
1946 .....	1,357	"	38,367	61,018,345	223,096,935	122,780,805	351,887,099
1947 .....	1,413	"	39,378	68,972,653	236,936,343	139,373,521	383,130,281
1948 .....	1,399	"	40,522	79,230,931	296,606,269	157,426,179	461,974,200
1949 .....	1,520	"	41,956	86,088,380	299,101,498	167,335,495	474,681,912
1950 .....	1,507	"	40,985	88,701,601	300,384,707	177,051,583	485,906,206
1951 .....	1,512	"	41,459	100,170,966	349,203,612	192,848,667	551,346,046
1952 .....	1,531	"	43,365	112,147,572	347,664,650	216,814,306	574,037,212
1953 .....	1,540	"	43,740	121,126,279	345,403,115	229,797,439	584,872,459
1954 .....	1,522	"	41,224	116,454,886	328,827,609	232,487,743	571,408,772
1955 .....	1,549	"	41,318	121,718,573	329,698,765	247,472,108	588,351,081
1956 .....	1,534	"	42,821	133,505,971	367,024,766	270,017,554	647,389,185
1957 .....	1,590	"	43,884	140,200,256	379,799,214	273,162,757	664,529,736
1958 .....	1,634	"	42,382	142,859,485	397,453,172	284,367,542	694,051,323
1959 .....	1,607	"	43,145	153,998,025	422,094,615	308,341,217	743,509,352
Basis: Revised Standard Industrial Classification, adopted in 1960							
1957 <sup>4</sup> .....	1,485	"	43,738	139,794,593	379,176,924	269,918,246	663,290,731
1958 <sup>4</sup> .....	1,536	"	42,022	141,286,373	396,881,181	281,190,697	690,545,053
1959 <sup>4</sup> .....	1,522	"	43,007	153,613,079	421,542,217	308,312,242	742,183,196
1960 <sup>4</sup> .....	1,592	"	42,339	154,263,811	419,583,431	306,434,692	738,457,346

<sup>1</sup> Prior to 1952 the value added by manufacture was computed by subtracting the cost of materials, fuel and electricity used from the gross value of products and in 1952, 1953 and 1957 from the factory shipments. In 1954 and subsequent years the deduction was made from the calculated value of production. In years 1954 and 1955 the value of production was obtained by adjusting shipments for inventory change of finished goods only, while in 1956 and subsequent years adjustments were made for both goods in process and finished goods. The figures for value added for 1956 and subsequent years are, therefore, comparable with 1951 and earlier years, (See footnote 2, Table 1).

<sup>2</sup> In 1952 and subsequent years the basis of collection is "Value of factory shipments" instead of "Gross value of products".

<sup>3</sup> Not collected.

<sup>4</sup> Principal Statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960. Statistics for 1960 include two industries which were not covered in previous years: Poultry Processors in the Food and Beverage Industries Group and Dental Laboratories in the Miscellaneous Manufacturing Industries Group. (See text p. 7.)



TABLE 3. Principal Statistics Compared, 1959 and 1960

Principal statistics		1959	1960	+Increase -Decrease
Establishments .....	No.	1,522	1,592	+ 70
Administrative and office employees:				
Male .....	"	6,831	7,052	+ 221
Female .....	"	2,619	2,683	+ 64
Salaries .....	\$	41,758,125	43,961,306	+ 2,203,181
Production workers:				
Male .....	No.	25,972	24,723	- 1,249
Female .....	"	7,585	7,881	+ 296
Wages .....	\$	111,854,954	110,302,505	- 1,552,449
Cost of fuel and electricity .....	\$	13,904,724	14,260,645	+ 355,921
Cost at plant of materials used .....	\$	421,542,217	419,583,431	- 1,958,786
Value added by manufacture <sup>1</sup> .....	\$	308,312,242	306,434,692	- 1,877,550
Selling value of factory shipments .....	\$	742,183,196	738,457,346	- 3,725,850

<sup>1</sup> See footnote 2, Table 1.

TABLE 4. Principal Statistics of the Leading Industries of Manitoba, 1960

Basis: Revised Standard Industrial Classification, adopted in 1960

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Value of factory shipments
		number			dollars		
1	Slaughtering and meat packing plants	13	2,910	13,366,772	98,082,865	26,107,234	124,622,590
2	Petroleum refining .....	3	666	3,234,125	34,200,664	13,347,097	51,356,945 <sup>2</sup>
3	Railroad rolling stock, industry .....	5	3,510	13,954,172	18,055,553	16,773,561	35,466,660 <sup>2</sup>
4	Men's clothing factories .....	51	2,860	6,762,065	13,406,572	9,993,764	23,553,082
5	Pasteurizing plants .....	16	1,001	3,878,054	14,065,923	6,763,748	21,207,516
6	Fabricated structural metal industry..	4	888	4,489,437	4,969,948	15,828,180	20,904,861 <sup>2</sup>
7	Flour mills .....	5	472	1,598,788	17,009,640	3,001,614	20,185,102
8	Miscellaneous foods, n.e.s. ....	22	667	2,169,392	14,411,581	6,299,934	20,159,635
9	Printing and publishing .....	71	1,862	6,616,075	5,116,603	13,260,853	18,556,911
10	Bakeries .....	156	1,832	6,311,532	7,802,930	9,570,917	17,958,111
11	Pulp and paper mills .....	3	562	2,762,281	5,633,997	10,422,453	17,425,028
12	Butter and cheese plants .....	55	488	1,390,367	14,271,935	2,768,038	17,294,966
13	Printing and bookbinding .....	89	1,545	6,337,931	5,245,846	10,104,217	15,480,799
14	Women's clothing factories .....	25	1,563	4,349,673	8,575,284	6,867,363	15,461,583
15	Metal stamping, pressing and coating industry .....	33	1,093	4,214,244	7,763,585	7,315,038	15,412,426
16	Breweries .....	6	620	3,059,438	3,079,463	11,294,163	14,481,634
17	Household furniture industry .....	94	1,069	3,617,949	6,592,475	5,416,992	12,088,119
18	Feed manufacturers .....	50	258	907,108	7,012,876	2,910,330	10,130,768
19	Miscellaneous metal fabricating in- dustries .....	10	528	2,263,877	5,099,455	4,254,221	10,093,725
20	Other furniture industries .....	20	853	2,835,867	5,414,716	4,308,680	9,846,860
21	Agricultural implement industry .....	14	537	1,964,444	5,194,537	4,182,562	9,510,176
22	Soft drink manufacturers .....	20	351	1,312,250	2,492,264	4,782,362	7,477,061
23	Poultry processors .....	18	425	734,497	5,691,818	1,219,190	6,956,926
24	Concrete products manufacturers .....	16	626	2,511,077	3,426,096	2,968,224	6,828,389
25	Paint and varnish manufacturers .....	5	268	994,396	3,795,798	2,814,646	6,613,889
26	Cotton and jute bag industry .....	3	193	682,310	4,796,965	1,768,803	6,547,156
27	Miscellaneous machinery and equip- ment manufacturers .....	13	514	2,154,745	2,608,327	3,641,166	6,103,123
28	Miscellaneous paper converters .....	7	233	682,383	2,741,538	3,343,162	5,966,183
29	Biscuit manufacturers .....	4	336	1,069,976	2,521,329	3,016,446	5,672,444
30	Corrugated box manufacturers .....	3	244	951,779	3,279,380	2,061,503	5,421,545
31	Other leading industries <sup>3</sup> .....	7	2,312	10,217,995	15,197,538	20,058,524	38,148,677
32	<b>Totals, leading industries .....</b>	<b>841</b>	<b>31,286</b>	<b>117,394,999</b>	<b>347,557,501</b>	<b>236,464,985</b>	<b>596,932,890</b>
33	<b>Totals all industries .....</b>	<b>1,592</b>	<b>42,339</b>	<b>154,263,811</b>	<b>419,583,431</b>	<b>306,434,692</b>	<b>738,457,346</b>

<sup>1</sup> See footnote 2, Table 1.<sup>2</sup> Reported on a production basis.<sup>3</sup> Includes Aircraft and parts manufacturers, Cement manufacturers, Iron and steel mills, and Smelting and refining.

TABLE 5. Principal Statistics by Industrial Groups, 1957 - 60<sup>1</sup>

No.	Industrial groups	Establish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
	1957				
1	Food and beverage industries .....	392	1,618	617	8,620,787
2	Tobacco products industries .....	—	—	—	—
3	Rubber industries .....	3	2	—	4,837
4	Leather industries .....	21	50	13	269,294
5	Textile industries .....	33	74	34	460,217
6	Knitting mills .....	4	12	9	69,795
7	Clothing industries .....	150	379	224	2,719,840
8	Wood industries .....	201	291	19	698,778
9	Furniture and fixture industries .....	122	276	79	1,471,030
10	Paper and allied industries .....	27	254	87	1,608,828
11	Printing, publishing and allied industries .....	192	947	559	5,153,142
12	Primary metal industries .....	13	156	43	959,190
13	Metal fabricating industries (except machinery and trans- portation equipment industries) .....	104	736	171	4,092,525
14	Machinery industries (except electrical machinery) .....	29	170	52	1,114,766
15	Transportation equipment industries .....	28	722	205	4,037,180
16	Electrical products industries .....	19	222	71	1,079,196
17	Non-metallic mineral products industries .....	39	188	61	886,785
18	Petroleum and coal products industries .....	7	292	190	2,064,854
19	Chemical and chemical products industries .....	35	172	110	979,040
20	Miscellaneous manufacturing industries .....	66	119	42	657,118
21	<b>Totals, 1957</b> .....	<b>1,485</b>	<b>6,680</b>	<b>2,586</b>	<b>36,947,202</b>
	1958				
22	Food and beverage industries .....	384	1,646	636	9,029,404
23	Tobacco products industries .....	—	—	—	—
24	Rubber industries .....	3	—	3	3,700
25	Leather industries .....	20	49	16	312,564
26	Textile industries .....	32	76	31	457,084
27	Knitting mills .....	4	14	13	76,325
28	Clothing industries .....	143	357	211	2,829,382
29	Wood industries .....	262	360	21	701,205
30	Furniture and fixture industries .....	112	253	97	1,464,187
31	Paper and allied industries .....	24	258	81	1,546,116
32	Printing, publishing and allied industries .....	193	899	570	5,440,544
33	Primary metal industries .....	13	169	39	1,417,063
34	Metal fabricating industries (except machinery and trans- portation equipment industries) .....	112	759	181	4,332,880
35	Machinery industries (except electrical machinery) .....	32	160	63	1,184,395
36	Transportation equipment industries .....	32	764	203	4,209,786
37	Electrical products industries .....	18	176	50	974,290
38	Non-metallic mineral products industries .....	44	210	49	1,158,607
39	Petroleum and coal products industries .....	7	192	165	1,561,411
40	Chemical and chemical products industries .....	35	154	100	1,039,318
41	Miscellaneous manufacturing industries .....	66	119	46	712,609
42	<b>Totals, 1958</b> .....	<b>1,536</b>	<b>6,615</b>	<b>2,575</b>	<b>38,450,870</b>

<sup>1</sup> See footnote 4, Table 2.<sup>2</sup> See footnote 2, Table 1.



TABLE 5. Principal Statistics by Industrial Groups, 1957-60<sup>1</sup>

Production workers			Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>2</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.			dollars			
6,277	1,484	24,711,868	9,996	33,332,655	3,514,627	173,342,235	76,465,506	253,322,368	1
—	—	—	—	—	—	—	—	—	2
3	3	10,844	8	15,681	2,295	41,670	27,148	71,113	3
342	334	1,474,038	739	1,743,332	46,949	3,635,339	2,370,637	6,052,925	4
135	298	897,899	541	1,358,116	53,808	6,167,248	2,253,709	8,474,765	5
19	51	101,465	91	171,260	6,890	434,018	412,954	853,862	6
1,081	4,159	10,636,800	5,843	13,356,640	198,319	27,055,008	19,747,043	47,000,370	7
934	25	2,299,143	1,269	2,997,921	188,916	5,059,546	4,690,847	9,939,309	8
1,355	182	4,078,358	1,892	5,549,388	222,412	11,011,289	8,703,628	19,937,329	9
1,085	329	4,535,963	1,755	6,144,791	1,574,759	19,379,644	17,744,992	38,699,395	10
1,867	453	7,459,169	3,826	12,612,311	310,008	10,198,189	22,364,430	32,872,627	11
1,408	3	5,246,122	1,610	6,205,312	1,108,913	12,097,490	13,898,665	27,105,068	12
2,347	31	7,999,883	3,285	12,092,408	473,058	24,769,465	16,463,350	41,705,873	13
761	21	2,331,361	1,004	3,446,127	152,228	6,296,294	6,653,968	13,102,490	14
6,044	77	20,900,012	7,048	24,937,192	802,000	25,573,481	28,503,523	54,879,004	15
636	138	2,388,076	1,065	3,467,272	139,184	6,912,761	6,775,249	13,827,194	16
1,055	16	3,245,926	1,320	4,132,711	2,790,847	6,852,043	10,474,760	20,117,650	17
509	5	1,918,015	996	3,982,869	2,370,388	32,218,230	21,970,888	56,559,506 <sup>3</sup>	18
327	74	1,090,690	683	2,069,730	122,388	6,260,876	6,940,294	13,323,558	19
444	162	1,521,759	767	2,178,877	117,572	1,872,098	3,456,655	5,446,325	20
28,629	7,843	102,847,391	43,738	139,794,593	14,195,561	379,176,924	269,918,246	663,290,731	21
6,375	1,493	26,355,216	10,150	35,384,620	3,307,015	195,053,870	79,412,562	277,887,438	22
—	—	—	—	—	—	—	—	—	23
4	1	9,193	8	12,893	4,062	35,090	14,531	53,453	24
271	301	1,200,283	637	1,512,847	42,251	2,709,308	2,208,634	5,101,695	25
142	266	903,601	515	1,360,685	47,047	6,135,135	2,679,745	8,806,427	26
18	63	128,651	108	204,976	6,102	509,385	293,564	897,547	27
1,108	3,907	10,382,192	5,583	13,211,574	188,581	25,781,684	20,486,170	46,494,451	28
850	25	2,202,529	1,256	2,903,734	188,917	5,182,840	4,362,240	9,736,311	29
1,361	183	4,347,196	1,894	5,811,383	215,063	11,625,816	9,680,297	21,495,696	30
1,098	338	4,660,452	1,775	6,206,568	1,571,460	19,261,357	20,598,845	41,157,740	31
1,833	439	7,978,045	3,741	13,418,589	314,709	10,684,826	23,981,030	34,938,705	32
1,337	4	5,326,768	1,549	6,743,831	1,131,091	9,643,049	11,620,181	22,266,476	33
2,357	27	8,794,006	3,324	13,126,886	444,819	23,867,667	20,562,221	44,637,404	34
686	20	2,262,174	929	3,446,569	156,802	6,048,287	6,512,258	12,445,160	35
5,353	41	18,866,288	6,361	23,076,074	766,052	22,691,718	29,038,621	52,767,859	36
399	103	1,489,687	728	2,463,977	126,284	5,657,431	4,818,849	10,783,154	37
998	38	3,656,548	1,295	4,815,155	1,933,778	8,186,928	12,477,013	22,362,435	38
373	3	1,502,220	733	3,063,631	2,131,194	34,533,789	20,892,024	57,730,622 <sup>3</sup>	39
337	72	1,182,751	663	2,222,069	130,501	7,036,204	7,843,293	14,901,617	40
448	160	1,587,703	773	2,300,312	115,844	2,236,797	3,708,619	6,080,863	41
25,348	7,484	102,835,503	42,022	141,286,373	12,821,572	396,881,181	281,190,697	690,545,053	42

<sup>1</sup> The figures for 1959 and 1960 are not comparable to those of 1957 and 1958 because of a change in the method of valuation for products in the Petroleum Refining Industry.

TABLE 5. Principal Statistics by Industrial Groups, 1957-60<sup>1</sup> -- Concluded

No.	Industrial groups	Establish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
1959					
1	Food and beverage industries .....	378	1,619	618	9,561,199
2	Tobacco products industries .....	—	—	—	—
3	Rubber industries .....	3	3	3	3
4	Leather industries .....	17	47	24	334,110
5	Textile industries .....	31	78	34	523,639
6	Knitting mills .....	4	9	10	75,343
7	Clothing industries .....	135	377	238	3,039,122
8	Wood industries .....	257	355	25	783,512
9	Furniture and fixture industries .....	115	261	91	1,760,429
10	Paper and allied industries .....	23	243	80	1,581,910
11	Printing, publishing and allied industries .....	193	901	560	5,755,147
12	Primary metal industries .....	13	182	41	1,122,693
13	Metal fabricating industries (except machinery and trans- portation equipment industries) .....	114	828	191	4,931,352
14	Machinery industries (except electrical machinery) .....	32	168	67	1,293,631
15	Transportation equipment industries .....	36	806	218	4,798,003
16	Electrical products industries .....	18	168	46	1,003,920
17	Non-metallic mineral products industries .....	45	260	66	1,493,722
18	Petroleum and coal products industries .....	6	191	163	1,544,786
19	Chemical and chemical products industries .....	33	166	95	1,128,401
20	Miscellaneous manufacturing industries <sup>4</sup> .....	72	172	52	1,027,206
21	Totals, 1959 .....	1,522	6,831	2,619	41,758,125
1960					
22	Food and beverage industries .....	410	1,707	645	10,348,173
23	Tobacco products industries .....	—	—	—	—
24	Rubber industries .....	3	3	3	3
25	Leather industries .....	19	46	18	315,506
26	Textile industries .....	35	83	38	554,071
27	Knitting mills .....	5	8	7	64,283
28	Clothing industries .....	140	384	240	2,989,368
29	Wood industries .....	239	306	22	878,756
30	Furniture and fixture industries .....	119	294	98	1,777,349
31	Paper and allied industries .....	23	260	81	1,730,308
32	Printing, publishing and allied industries .....	192	972	583	6,279,646
33	Primary metal industries .....	12	176	41	1,138,048
34	Metal fabricating industries (except machinery and trans- portation equipment industries) .....	122	836	194	5,067,109
35	Machinery industries (except electrical machinery) .....	30	209	69	1,535,842
36	Transportation equipment industries .....	34	742	186	4,503,442
37	Electrical products industries .....	18	164	44	1,062,815
38	Non-metallic mineral products industries .....	46	288	65	1,506,834
39	Petroleum and coal products industries .....	7	195	173	1,632,816
40	Chemical and chemical products industries .....	35	163	94	1,170,185
41	Miscellaneous manufacturing industries <sup>4</sup> .....	106	219	85	1,406,755
42	Totals, 1960 .....	1,592	7,052	2,683	43,961,306

<sup>1</sup> See footnote 4, Table 2.<sup>2</sup> See footnote 2, Table 1.<sup>3</sup> Confidential, included in "Miscellaneous manufacturing industries".



TABLE 5. Principal Statistics by Industrial Groups, 1957-60<sup>1</sup> — Concluded

Production workers			Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>2</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.	dollars					
6,401	1,599	28,466,844	10,237	38,028,043	3,486,296	201,989,395	89,703,622	298,291,892	1
—	—	—	—	—	—	—	—	—	2
s	s	s	s	s	s	s	s	s	
281	267	1,233,552	619	1,567,662	42,826	3,530,108	2,598,136	5,938,664	4
145	259	948,600	516	1,472,239	48,010	6,507,399	2,849,205	9,434,278	5
20	79	162,493	118	237,836	7,598	671,809	463,002	1,126,223	6
1,069	3,859	10,588,511	5,543	13,627,633	185,691	26,646,172	22,131,569	48,283,453	7
891	26	2,330,400	1,297	3,113,912	196,325	5,410,036	4,869,420	10,327,930	8
1,415	206	4,697,350	1,973	6,457,779	216,536	12,483,765	10,103,876	22,673,778	9
1,039	296	4,751,306	1,658	6,333,216	1,577,157	19,060,972	20,557,660	41,044,908	10
1,852	448	8,554,804	3,761	14,309,951	308,816	11,874,869	26,458,074	38,473,902	11
1,516	5	6,371,593	1,744	7,494,286	1,232,125	11,966,988	14,819,304	28,003,706	12
2,715	31	10,420,056	3,765	15,351,408	480,159	25,357,963	27,109,654	52,622,818	13
811	20	2,829,342	1,066	4,122,973	187,094	7,879,809	7,160,686	14,769,081	14
4,900	55	18,794,553	5,979	23,592,556	893,585	25,971,920	29,099,214	55,614,079	15
469	123	1,760,090	806	2,764,010	139,373	6,806,787	6,353,552	13,107,847	16
1,264	46	5,041,358	1,636	6,535,080	2,386,256	10,257,919	16,187,598	28,280,632	17
331	—	1,637,962	685	3,182,748	2,238,855	33,873,158	14,591,096	49,710,335 <sup>5</sup>	18
337	68	1,236,866	666	2,365,267	132,420	7,557,426	7,887,275	15,340,095	19
516	198	2,029,274	938	3,056,480	145,602	3,695,722	5,369,299	9,139,575	20
25,972	7,585	111,854,954	43,007	153,613,079	13,904,724	421,542,217	308,312,242	742,183,196	21
6,369	1,819	29,061,800	10,540	39,409,973	3,733,244	202,972,797	86,447,195	289,133,510	22
—	—	—	—	—	—	—	—	—	23
s	s	s	s	s	s	s	s	s	24
249	241	1,086,181	554	1,401,687	40,392	3,324,593	2,029,738	5,508,796	25
133	254	983,376	508	1,537,447	64,881	6,629,739	3,250,528	9,898,044	26
44	80	234,915	139	299,198	8,077	843,533	707,894	1,490,712	27
1,054	3,968	11,279,476	5,646	14,268,844	193,378	27,021,708	21,715,673	48,891,769	28
808	25	2,172,953	1,161	3,051,709	211,406	4,965,308	4,720,297	9,858,888	29
1,347	198	4,718,328	1,937	6,495,677	211,353	12,060,074	9,808,647	22,073,061	30
1,025	258	4,851,815	1,624	6,582,123	1,673,211	17,889,680	19,655,927	39,262,349	31
1,907	455	8,935,611	3,917	15,215,257	329,074	12,119,850	26,828,575	39,267,032	32
1,205	4	5,228,212	1,426	6,366,260	1,120,639	12,557,813	12,093,555	25,902,148	33
2,450	33	9,800,338	3,513	14,867,447	484,297	23,065,821	33,849,850	58,385,484	34
842	23	2,908,115	1,143	4,443,957	183,250	8,470,723	8,378,284	16,874,301	35
4,414	53	16,905,174	5,395	21,408,616	990,197	25,828,586	27,577,518	54,109,555	36
454	144	1,808,915	806	2,871,730	127,760	6,033,908	5,918,447	12,215,815	37
1,152	30	4,765,162	1,535	6,271,996	2,241,271	8,837,484	15,093,288	26,451,602	38
330	—	1,761,520	698	3,394,336	2,348,681	34,522,960	13,627,321	51,992,690 <sup>5</sup>	39
326	66	1,250,065	649	2,420,250	146,318	7,758,316	7,946,243	15,643,085	40
614	230	2,550,549	1,148	3,957,304	153,216	4,680,538	6,785,712	11,498,505	41
24,723	7,881	110,302,505	42,339	154,263,811	14,260,645	419,583,431	306,434,692	738,457,346	42

<sup>1</sup> Includes "Rubber industries".<sup>5</sup> The figures for 1959 and 1960 are not comparable to those of 1957 and 1958 because of a change in the method of valuation for products in the Petroleum Refining Industry.

TABLE 6. Principal Statistics of the Individual Industries, 1966

No.	Industries	Estab- lish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
	<b>1. Food and beverage industries:</b>				
	<b>Meat products industries:</b>				
	Slaughtering and meat processors:				
1	Slaughtering and meat packing plants .....	13	565	129	3,527,143
2	Sausage and sausage casing manufacturers .....	7	17	8	219,452
3	Poultry processors <sup>1</sup> .....	18	42	18	191,093
	<b>Dairy products industries:</b>				
4	Butter and cheese plants .....	55	91	72	515,137
5	Pasteurizing plants .....	16	100	74	672,849
	<b>Fruit and vegetable canners and preservers:</b>				
6	Fruit and vegetable canners and preservers .....	11	43	20	270,997
	<b>Grain mills:</b>				
7	Feed manufacturers .....	50	76	7	330,618
8	Floor mills .....	5	96	48	413,232
9	Breakfast cereal manufacturers .....	4	8	—	37,005
	<b>Bakery products industries:</b>				
10	Biscuit manufacturers .....	4	35	21	244,707
11	Bakeries .....	156	230	72	1,093,062
	<b>Other food processors:</b>				
12	Confectionery manufacturers .....	14	25	20	164,935
13	Animal oils and fats plants .....	2	63	12	358,492
14	Ice cream manufacturers .....	2			
15	Macaroni manufacturers .....	2			
16	Sugar refineries .....	1			
17	Vegetable oil mills .....	2			
18	Miscellaneous foods, manufacturers, n.e.s. ....	22	96	72	794,550
	<b>Beverage manufacturers:</b>				
19	Soft drink manufacturers .....	20	92	37	605,125
20	Breweries .....	6	128	35	909,776
21	<b>Totals</b> .....	410	1,707	645	10,348,173
22	<b>2. Tobacco products industries</b> .....	—	—	—	—
	<b>3. Rubber industries:</b>				
23	Miscellaneous rubber goods, n.e.s. ....	3	3	3	3
	<b>4. Leather industries:</b>				
24	Shoe factories .....	5	12	5	67,175
25	Leather glove factories .....	7	18	7	125,042
26	Leather tanneries .....	2	16	6	123,289
27	Miscellaneous leather products, n.e.s. ....	5			
28	<b>Totals</b> .....	19	46	18	315,506
	<b>5. Textile industries:</b>				
29	Wool cloth mills .....	2	5	4	38,000
30	Carpet, mat and rug industry .....	2			
	<b>Other textile industries:</b>				
31	Automobile fabric accessory manufacturers .....	3	11	8	70,636
32	Canvas products industry .....	7	13	7	90,354
33	Cotton and jute bag industry .....	3	54	19	355,081
34	Embroidery, pleating, hemstitching manufacturers .....	4			
35	Miscellaneous textiles industries, n.e.s. ....	14			
36	<b>Totals</b> .....	35	83	38	554,071

<sup>1</sup> See footnote 1, Table 1.<sup>2</sup> See footnote 2, Table 1.



TABLE 6. Principal Statistics of the Individual Industries, 1960

Production workers			Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.			dollars			
1,886	330	9,839,629	2,910	13,366,772	727,009	98,082,865	26,107,234	124,622,590	1
116	39	498,624	180	718,076	40,788	3,315,057	1,188,212	4,532,735	2
158	207	543,404	425	734,497	87,128	5,691,818	1,219,190	6,956,926	3
300	25	875,230	488	1,390,367	268,105	14,271,935	2,768,038	17,294,966	4
801	26	3,205,205	1,001	3,878,054	371,747	14,065,923	6,763,748	21,207,516	5
146	94	636,980	303	907,977	89,711	3,604,203	1,802,655	4,593,726	6
175	—	576,490	258	907,108	163,646	7,012,876	2,910,330	10,130,768	7
301	27	1,185,556	472	1,598,788	221,940	17,009,640	3,001,614	20,185,102	8
13	13	68,438	34	105,443	7,784	559,847	673,376	1,238,881	9
128	152	825,269	336	1,069,976	72,615	2,521,329	3,016,446	5,672,444	10
1,104	426	5,218,470	1,832	6,311,532	595,481	7,802,930	9,570,917	17,958,111	11
91	198	606,149	334	771,084	35,745	1,896,565	1,601,652	3,529,223	12
232	22	750,727	329	1,109,219	310,738	7,154,501	3,447,324	9,092,192	13
266	233	1,374,842	667	2,169,392	321,126	14,411,581	6,299,934	20,159,635	14
198	24	707,125	351	1,312,250	205,842	2,492,264	4,782,362	7,477,061	15
454	3	2,149,662	620	3,059,438	213,839	3,079,463	11,294,163	14,481,634	16
6,369	1,819	29,061,800	10,540	39,409,973	3,733,244	202,972,797	86,447,195	289,133,510	17
—	—	—	—	—	—	—	—	—	18
—	—	—	—	—	—	—	—	—	19
—	—	—	—	—	—	—	—	—	20
—	—	—	—	—	—	—	—	—	21
—	—	—	—	—	—	—	—	—	22
—	—	—	—	—	—	—	—	—	23
99	67	372,258	183	439,433	7,899	1,390,559	576,879	2,036,915	24
69	147	431,407	241	556,449	6,355	948,730	752,268	1,773,011	25
81	27	282,516	130	405,805	26,138	985,304	700,591	1,698,870	26
249	241	1,086,181	554	1,401,687	40,392	3,324,593	2,029,738	5,508,796	27
21	15	92,000	45	130,000	6,050	93,500	189,505	296,857	28
11	39	101,713	69	172,349	4,153	483,002	311,880	808,093	29
16	38	119,248	74	209,602	7,169	447,901	352,174	791,727	30
85	162	670,415	320	1,025,496	47,509	5,605,336	2,396,969	8,001,367	31
133	254	983,376	508	1,537,447	64,881	6,629,739	3,250,528	9,898,044	32

<sup>1</sup> Included in "Miscellaneous manufacturing industries".



TABLE 6. Principal Statistics of the Individual Industries, 1960 - Continued

No.	Industries	Estab- lish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
<b>6. Knitting mills:</b>					
1	Hosiery mills .....	2	8	7	64,283
2	Knitting mills (other than hosiery) .....	3			
3	<b>Totals</b> .....	<b>5</b>	<b>8</b>	<b>7</b>	<b>64,283</b>
<b>7. Clothing industries:</b>					
Men's clothing industry:					
4	Men's clothing factories .....	51	144	112	1,254,542
Women's clothing industry:					
5	Women's clothing factories .....	25	111	66	954,249
6	Children's clothing industry .....	6	11	15	122,217
7	Fur goods industry .....	42	81	22	410,927
8	Hat and cap industry .....	12	26	11	166,649
9	Women's clothing contractors .....	1	11	14	80,784
10	Miscellaneous clothing, n.e.s. industry .....	3			
11	<b>Totals</b> .....	<b>140</b>	<b>384</b>	<b>240</b>	<b>2,989,368</b>
<b>8. Wood industries:</b>					
12	Sawmills (including shingle mills) .....	186	145	—	117,456
13	Veneer and plywood mills .....	3	7	1	31,829
14	Sash and door and planing mills (excluding hardwood flooring) .....	35	115	12	568,495
15	Wooden box factories .....	7	25	3	87,305
16	Coffin and casket industry .....	2	14	6	73,671
17	Woodenware .....	1			
18	Miscellaneous wood industries, n.e.s. (including wood preservation) .....	5			
19	<b>Totals</b> .....	<b>239</b>	<b>306</b>	<b>22</b>	<b>878,756</b>
<b>9. Furniture and fixture industries:</b>					
20	Household furniture industry .....	94	171	45	961,795
21	Electric lamp and shade industry .....	3	5	1	13,455
22	Office furniture industry .....	2			
23	Other furniture industries .....	20	118	52	802,099
24	<b>Totals</b> .....	<b>119</b>	<b>294</b>	<b>98</b>	<b>1,777,349</b>
<b>10. Paper and allied industries:</b>					
25	Pulp and paper mills .....	3	72	6	441,312
26	Asphalt roofing manufacturers .....	3	52	7	281,197
Paper box and bags manufacturers:					
27	Folding box and set-up box manufacturers .....	5	33	13	242,605
28	Corrugated box manufacturers .....	3	73	35	561,378
29	Paper bag manufacturers .....	2			
30	Miscellaneous paper converters .....	7	30	20	203,816
31	<b>Totals</b> .....	<b>23</b>	<b>260</b>	<b>81</b>	<b>1,730,308</b>
<b>11. Printing, publishing and allied industries:</b>					
Commercial printing:					
32	Printing and bookbinding .....	89	266	135	2,045,528
33	Lithographing .....	6	29	23	267,770
Engraving, stereotyping and allied industries:					
34	Engraving and duplicate plates .....	6	30	12	214,386
35	Trade composition or typesetting .....	4	5	1	26,032
36	Publishing only .....	16	72	62	488,567
37	Printing and publishing .....	71	570	350	3,237,363
38	<b>Totals</b> .....	<b>192</b>	<b>972</b>	<b>583</b>	<b>6,279,646</b>

\* See footnote 2, Table 1.

TABLE 6. Principal Statistics of the Individual Industries, 1960 - Continued

Production workers			Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>4</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.	dollars					
44	80	234,915	139	299,198	8,077	843,533	707,894	1,490,712	{ 1 2
44	80	234,915	139	299,198	8,077	843,533	707,894	1,490,712	3
400	2,204	5,507,523	2,860	6,762,065	102,388	13,406,572	9,993,764	23,553,082	4
371	1,015	3,395,424	1,563	4,349,673	44,476	8,575,284	6,867,363	15,451,583	5
43	218	562,136	287	684,353	10,371	1,148,435	1,212,732	2,380,239	6
181	168	1,033,730	452	1,444,657	24,056	2,777,087	2,187,582	4,941,778	7
54	296	648,381	387	815,030	8,227	903,823	1,187,526	2,073,485	8
5	67	132,282	97	213,066	3,860	210,507	266,706	481,602	{ 9 10
1,054	3,968	11,279,476	5,646	14,268,844	193,378	27,021,708	21,715,673	48,891,769	11
151	—	249,690	296	367,146	48,327	1,089,997	683,816	1,822,140 <sup>5</sup>	12
53	8	138,992	69	170,821	10,214	433,060	279,746	763,589	13
410	—	1,214,378	537	1,782,873	106,141	2,305,433	2,369,420	4,704,269	14
96	1	246,345	125	333,650	19,375	494,928	617,359	1,119,635	15
98	16	323,548	134	397,219	27,349	641,890	769,956	1,449,255	{ 16 17 18
808	25	2,172,953	1,161	3,051,709	211,406	4,965,308	4,720,297	9,858,888	19
776	77	2,656,154	1,069	3,617,949	116,783	6,592,475	5,416,992	12,088,119	20
8	1	28,406	15	41,861	2,114	52,883	82,975	138,082	{ 21 22
563	120	2,033,768	853	2,835,867	92,456	5,414,716	4,308,680	9,846,860	23
1,347	198	4,718,328	1,937	6,495,677	211,353	12,060,074	9,808,647	22,073,061	24
484	—	2,320,969	562	2,762,281	1,467,170	5,633,997	10,422,453	17,425,028	25
97	—	356,570	156	637,767	63,179	1,549,632	1,019,843	2,715,347	26
150	80	712,959	276	955,564	44,600	2,804,281	1,668,541	4,711,316	27
213	76	982,750	397	1,544,128	66,597	5,160,232	3,201,928	8,444,475	{ 28 29
81	102	478,567	233	682,383	31,665	2,741,538	3,343,162	5,966,183	30
1,025	258	4,851,815	1,624	6,582,123	1,673,211	17,889,680	19,655,927	39,262,349	31
851	293	4,292,403	1,545	6,337,931	129,791	5,245,846	10,104,217	15,480,799	32
127	16	646,443	195	914,213	14,590	655,073	1,189,343	1,840,812	33
114	13	597,335	169	811,721	11,513	232,529	1,053,305	1,296,578	34
6	—	20,718	12	46,750	1,276	20,736	66,087	88,099	35
—	—	—	134	488,567	—	849,063	1,154,770	2,003,833	36
809	133	3,378,712	1,862	6,616,075	171,904	5,116,603	13,260,853	18,556,911	37
1,907	455	8,935,611	3,917	15,215,257	329,074	12,119,850	26,828,575	39,267,032	38

<sup>a</sup> Reported on a production basis.



TABLE 6. Principal Statistics of the Individual Industries, 1960 - Continued

No.	Industries	Estab- lish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
<b>12. Primary metal industries:</b>					
1	Copper and alloy, casting and extruding .....	1	102	16	648,471
2	Iron and steel mills .....	2			
3	Smelting and refining .....	1			
4	Iron foundries .....	4	48	18	304,544
5	Metal rolling, casting and extruding, n.e.s. ....	4	26	7	185,033
6	<b>Totals</b> .....	<b>12</b>	<b>176</b>	<b>41</b>	<b>1,138,048</b>
<b>13. Metal fabricating industries (except machinery and transportation equipment industries):</b>					
7	Fabricated structural metal industry .....	4	233	53	1,514,214
8	Ornamental and architectural metal industry .....	16	61	7	320,449
9	Metal stamping, pressing and coating industry .....	33	223	74	1,388,244
10	Hardware, tool and cutlery manufacturers .....	4	8	2	28,583
11	Heating equipment manufacturers .....	9	56	9	277,947
12	Machine shops .....	42	95	17	572,334
13	Miscellaneous metal fabricating industries, n.e.s. ....	10	149	29	909,397
14	Boilers and plate works .....	2	11	3	55,941
15	Wire and wire products manufacturers .....	2			
16	<b>Totals</b> .....	<b>122</b>	<b>836</b>	<b>194</b>	<b>5,067,109</b>
<b>14. Machinery industries (except electrical machinery):</b>					
17	Agricultural implement industry .....	14	65	27	593,855
18	Commercial refrigeration and air conditioning equip- ment manufacturers.	3	14	4	74,138
19	Miscellaneous machinery and equipment manufacturers	13	130	38	867,849
20	<b>Totals</b> .....	<b>30</b>	<b>209</b>	<b>69</b>	<b>1,535,842</b>
<b>15. Transportation equipment industries:</b>					
21	Aircraft and parts manufacturers .....	3	381	155	2,481,895
22	Motor vehicle manufacturers .....	2			
23	Truck body and trailer manufacturers .....	9	24	6	119,013
24	Motor vehicle parts and accessories manufacturers .....	4	41	16	319,637
25	Railroad rolling stock industry .....	5	285	9	1,548,795
26	Boatbuilding and repair .....	11	11	—	34,102
27	<b>Totals</b> .....	<b>34</b>	<b>742</b>	<b>186</b>	<b>4,503,442</b>
<b>16. Electrical products industries:</b>					
28	Manufacturers of small electrical appliances .....	4	5	—	17,100
29	Manufacturers of electrical industrial equipment .....	3	51	8	304,520
30	Battery manufacturers .....	2	82	31	541,403
31	Manufacturers of electric wire and cable .....	2			
32	Manufacturers of miscellaneous electrical products .....	7	26	5	199,792
33	<b>Totals</b> .....	<b>18</b>	<b>164</b>	<b>44</b>	<b>1,062,815</b>
<b>17. Non-metallic mineral products industries:</b>					
Clay products manufacturers:					
34	Clay products (from domestic clays) .....	3	12	1	74,816
35	Concrete products manufacturers .....	16	149	31	675,579
Glass and glass products manufacturers:					
36	Glass products manufacturers .....	5	11	3	55,634
37	Lime manufacturers .....	3	5	1	17,686

6. See footnote 2, Table 1.

TABLE 6. Principal Statistics of the Individual Industries, 1960 - Continued

Production workers			Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>6</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.			dollars			
859	—	3,855,422	977	4,503,893	1,009,052	10,041,309	8,528,791	19,743,021	1
265	—	1,083,380	331	1,387,924	52,729	999,380	2,600,356	3,607,516	2
81	4	289,410	118	474,443	58,858	1,517,124	964,408	2,551,611	3
1,205	4	5,228,212	1,426	6,366,260	1,120,639	12,557,813	12,093,555	25,902,148	4
602	—	2,975,223	888	4,489,437	91,183	4,969,948	15,828,180	20,904,861 <sup>7</sup>	5
165	8	540,053	241	860,502	32,652	995,017	1,465,946	2,476,733	6
786	10	2,826,000	1,093	4,214,244	149,174	7,763,585	7,315,038	15,412,426	7
17	1	45,260	28	73,843	4,289	105,512	143,549	247,495	8
197	1	764,707	263	1,042,654	33,134	2,528,856	1,802,132	4,551,971	9
285	3	1,095,076	400	1,667,410	53,732	1,210,803	2,498,938	3,738,552	10
342	8	1,354,480	528	2,263,877	94,703	5,099,455	4,254,221	10,093,725	11
56	2	199,539	72	255,480	15,430	392,645	541,846	959,721	12
2,450	33	9,800,338	3,513	14,867,447	484,297	23,065,821	33,849,850	58,385,484	13
439	6	1,370,589	537	1,964,444	99,738	5,194,537	4,182,562	9,510,176	14
74	—	250,630	92	324,768	16,534	667,859	554,556	1,261,002	15
329	17	1,286,896	514	2,154,745	66,978	2,608,327	3,641,166	6,103,123	16
842	23	2,908,115	1,143	4,443,957	183,250	8,470,723	8,378,284	16,874,301	17
921	9	3,474,292	1,466	5,956,187	183,551	6,210,389	7,949,767	14,181,807	18
118	1	380,009	149	499,022	26,900	590,311	763,540	1,344,003	19
128	43	561,716	228	881,353	31,842	850,874	1,892,880	2,787,664	20
3,216	—	12,405,377	3,510	13,954,172	735,442	18,055,553	16,773,561	35,466,660 <sup>7</sup>	21
31	—	83,780	42	117,882	12,462	121,459	197,770	329,421	22
4,414	53	16,905,174	5,395	21,408,616	990,197	25,828,586	27,577,518	54,109,555	23
2	—	4,373	7	21,473	1,000	29,628	28,668	60,277	24
141	16	519,302	216	823,822	31,797	1,464,420	1,172,743	2,658,987	25
191	69	795,052	373	1,336,455	68,143	3,023,894	3,434,772	6,595,495	26
120	59	490,188	210	689,980	26,820	1,515,966	1,282,264	2,901,056	27
454	144	1,808,915	806	2,871,730	127,760	6,033,908	5,918,447	12,215,815	28
47	1	155,387	61	230,203	95,020	1,424	727,179	813,135	29
432	14	1,835,498	626	2,511,077	316,906	3,426,096	2,968,224	6,828,389	30
27	13	101,318	54	156,952	6,825	464,688	347,070	818,544	31
81	—	277,434	87	295,120	177,729	122,337	245,730	548,703	32

<sup>7</sup> Reported on a production basis.



TABLE 6. Principal Statistics of the Individual Industries, 1960 - Concluded

No.	Industries	Estab- lish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
17. Non-metallic mineral products industries: — Concluded:					
1	Ready-mix concrete manufacturers .....	4	23	8	120,158
2	Stone products manufacturers .....	9	17	2	91,057
3	Cement manufacturers .....	1	64	17	416,904
4	Gypsum products manufacturers .....	2			
5	Miscellaneous non-metallic mineral products industries, n.e.s. ....	3	7	2	55,000
6	Totals .....	46	288	65	1,506,834
18. Petroleum and coal products industries:					
7	Petroleum refining .....	3	185	170	1,534,405
8	Manufacturers of lubricating oils and greases .....	1	10	3	98,411
9	Miscellaneous petroleum and coal products, n.e.s. ....	3			
10	Totals .....	7	195	173	1,632,816
19. Chemical and chemical products industries:					
11	Explosives and ammunition manufacturers .....	1	33	21	280,636
12	Manufacturers of mixed fertilizers .....	1			
13	Manufacturers of toilet preparations .....	1	24	24	157,631
14	Manufacturers of pharmaceuticals and medicines .....	5			
15	Paint and varnish manufacturers .....	5	49	23	397,601
16	Manufacturers of soap and cleaning compounds .....	6	14	4	56,602
17	Manufacturers of industrial chemicals .....	3	25	12	151,101
Other chemical industries:					
18	Manufacturers of printing inks .....	3	4	5	41,732
19	Miscellaneous chemicals industries, n.e.s. ....	10	14	5	84,882
20	Totals .....	35	163	94	1,170,185
20. Miscellaneous manufacturing industries:					
Scientific and professional equipment manufacturers:					
21	Instrument and related products manufacturers .....	2	8	3	34,381
22	Clock and watch manufacturers .....	3			
23	Orthopaedic and surgical appliance manufacturers .....	4	7	2	34,654
24	Ophthalmic goods manufacturers .....	2			
25	Dental laboratories <sup>a</sup> .....	29	42	6	239,884
26	Jewellery and silverware manufacturers .....	4	8	4	29,124
27	Broom, brush and mop industry .....	6	13	4	123,421
28	Venetian blind manufacturers .....	5	8	8	50,985
29	Plastic fabricators, n.e.s. ....	9	31	20	194,328
Sporting goods and toy industry:					
30	Sporting goods industry .....	2	5	—	20,648
31	Toys and games industry .....	2			
32	Signs and displays industry .....	14	57	24	433,445
Other miscellaneous industries:					
33	Stamp and stencil (rubber and metal) manufacturers ....	5	5	2	33,840
34	Statuary, art goods, regalia and novelty manufacturers .....	8	11	3	40,183
35	Artificial flowers and feathers manufacturers .....	1	24	9	171,862
36	Artificial ice manufacturers .....	1			
37	Candle manufacturers .....	1	2		
38	Fur dressing and dyeing industry .....	2			
39	Hair goods manufacturers .....	1	1		
40	Model and pattern manufacturers .....	1			
41	Musical instruments and sound recording industries ....	1	2		
42	Miscellaneous rubber goods, n.e.s. ....	2			
43	Miscellaneous industries, n.e.s. ....	1			
44	Totals <sup>b</sup> .....	106	219	85	1,406,755
45	Grand totals .....	1,592	7,052	2,683	43,961,306

<sup>a</sup> See footnote 1, Table 1.<sup>b</sup> Includes "Miscellaneous rubber goods, n.e.s."

TABLE 6. Principal Statistics of the Individual Industries, 1960 — Concluded

Production workers			Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>10</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.			dollars			
131	—	588,003	162	708,161	144,615	1,412,516	1,761,602	3,318,733	1
54	2	189,092	75	280,149	12,659	275,734	470,099	745,570	2
360	—	1,543,218	441	1,960,122	1,471,631	2,909,846	8,346,847	12,912,082	3
20	—	75,212	29	130,212	15,886	224,843	226,537	466,446	4
<b>1,152</b>	<b>30</b>	<b>4,765,162</b>	<b>1,535</b>	<b>6,271,996</b>	<b>2,241,271</b>	<b>8,837,484</b>	<b>15,093,288</b>	<b>26,451,602</b>	<b>6</b>
311	—	1,699,720	666	3,234,125	2,328,031	34,200,664	13,347,097	51,356,945 <sup>11</sup>	7
19	—	61,800	32	160,211	20,650	322,296	280,224	635,745	8
<b>330</b>	<b>—</b>	<b>1,761,520</b>	<b>698</b>	<b>3,394,336</b>	<b>2,348,681</b>	<b>34,522,960</b>	<b>13,627,321</b>	<b>51,992,690</b>	<b>9</b>
19	3	87,049	76	367,685	10,073	456,622	440,708	891,698	11
26	23	153,140	97	310,771	18,860	479,905	1,118,447	1,603,953	12
165	31	596,795	268	994,396	53,420	3,795,798	2,814,646	6,613,889	13
23	4	71,319	45	127,921	11,583	664,977	767,450	1,443,668	14
39	1	155,170	77	306,271	22,219	271,060	1,333,075	1,625,079	15
14	—	58,207	23	99,939	7,922	211,228	401,388	606,259	16
40	4	128,385	63	213,267	22,241	1,878,726	1,070,529	2,858,539	17
<b>326</b>	<b>66</b>	<b>1,250,065</b>	<b>649</b>	<b>2,420,250</b>	<b>146,318</b>	<b>7,758,316</b>	<b>7,946,243</b>	<b>15,643,085</b>	<b>18</b>
18	—	59,735	29	94,116	2,179	262,993	203,348	444,532	19
18	9	73,909	36	108,563	3,322	110,380	123,553	236,971	20
65	20	273,762	133	513,646	5,965	170,150	692,871	868,684	21
13	6	60,833	31	89,957	1,474	124,338	192,137	317,385	22
88	26	274,051	131	397,472	10,585	560,708	557,510	1,140,765	23
17	4	49,846	37	100,831	7,643	142,519	174,051	324,213	24
65	64	348,624	180	542,952	23,300	2,195,880	1,535,151	3,629,737	25
2	8	19,460	15	40,108	545	34,224	67,891	102,660	26
180	7	666,209	268	1,099,654	54,140	648,035	1,766,088	2,453,221	27
9	2	40,252	18	74,092	430	11,935	102,971	115,276	28
30	36	148,945	80	189,128	5,315	192,341	278,579	497,806	29
109	48	534,923	190	706,785	38,318	227,035	1,091,562	1,367,255	30
<b>614</b>	<b>230</b>	<b>2,550,549</b>	<b>1,148</b>	<b>3,957,304</b>	<b>153,216</b>	<b>4,680,538</b>	<b>6,785,712</b>	<b>11,498,505</b>	31
<b>24,723</b>	<b>7,881</b>	<b>110,302,505</b>	<b>42,339</b>	<b>154,263,811</b>	<b>14,260,645</b>	<b>419,583,431</b>	<b>306,434,692</b>	<b>738,457,346</b>	32

<sup>10</sup> See footnote 2, Table 1.

<sup>11</sup> Reported on a production basis.





## SUBSECTION 2

---

PROVINCE OF SASKATCHEWAN

**TABLE 7. Principal Statistics of the Manufacturing Industries of the Province of Saskatchewan  
1931-60**

Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Gross value of products <sup>2</sup>
	No.	\$	No.		dollars		
1931.....	622	42,182,703	5,000	6,210,390	22,459,921	15,665,401	39,194,202
1932.....	627	36,782,881	4,610	5,238,766	18,157,286	11,971,355	31,139,264
1933.....	673	38,688,433	4,782	4,848,763	19,124,030	11,478,634	31,559,387
1934.....	702	39,674,481	5,209	5,146,537	24,249,577	12,476,676	37,661,842
1935.....	704	39,915,044	5,547	5,548,729	27,987,307	13,035,785	42,031,223
1936.....	694	42,055,557	5,782	6,013,378	35,311,152	15,185,500	51,604,510
1937.....	689	39,279,050	6,107	6,758,154	43,782,999	17,068,655	62,205,884
1938.....	678	38,364,021	6,123	6,988,061	43,437,556	16,143,335	61,027,853
1939.....	737	37,654,095	6,475	7,346,127	38,782,135	20,283,273	60,650,589
1940.....	814	40,698,082	7,415	8,412,580	48,654,473	25,857,683	76,284,332
1941.....	945	42,158,738	8,546	9,979,974	65,836,308	28,172,441	96,020,975
1942.....	966	45,013,677	9,801	12,543,065	84,208,201	33,933,836	120,256,733
1943.....	976	60,674,093	11,683	16,445,866	111,193,185	37,895,459	152,123,360
1944.....	1,054	"	12,361	17,703,103	131,215,017	40,833,333	175,349,234
1945.....	926	"	11,617	16,905,606	126,279,202	38,275,127	167,688,133
1946.....	955	"	11,957	17,956,317	126,595,761	38,459,630	168,356,619
1947.....	1,001	"	11,723	19,661,970	151,449,021	41,480,520	196,452,199
1948.....	926	"	10,950	21,038,911	172,423,275	45,053,786	221,363,603
1949.....	962	"	10,841	22,273,942	164,349,341	47,356,949	215,742,708
1950.....	887	"	10,596	23,010,469	164,557,306	49,494,641	218,079,955
1951.....	973	"	11,023	26,290,294	185,151,455	61,088,606	250,813,026
1952.....	1,022	"	11,307	29,489,862	172,388,119	80,934,157	258,931,776
1953.....	1,062	"	11,604	32,395,518	180,303,942	79,941,332	266,613,086
1954.....	1,010	"	11,526	33,509,833	169,326,001	104,560,398	280,733,784
1955.....	960	"	11,490	34,825,511	174,078,701	113,598,622	295,162,037
1956.....	798	"	11,536	36,683,383	176,871,188	113,627,642	298,203,489
1957.....	844	"	12,012	40,875,349	189,106,737	109,598,807	306,115,112
1958.....	970	"	12,283	43,228,392	198,833,974	123,394,168	331,298,441
1959.....	883	"	12,539	47,033,816	213,376,697	125,877,439	347,320,321
Basis: Revised Standard Industrial Classification, adopted in 1960							
1957 <sup>4</sup> .....	803	"	11,942	40,678,214	188,694,088	106,957,193	304,646,672
1958 <sup>4</sup> .....	927	"	12,191	42,941,559	198,362,095	119,065,901	329,434,760
1959 <sup>4</sup> .....	840	"	12,407	46,532,277	212,568,673	123,974,515	344,084,883
1960 <sup>4</sup> .....	887	"	12,918	49,764,266	215,404,848	119,776,935	344,773,261

<sup>1</sup> Prior to 1952 the value added by manufacture was computed by subtracting the cost of materials, fuel and electricity used from the gross value of products and in 1952, 1953 and 1957 from the factory shipments. In 1954 and subsequent years the deduction was made from the calculated value of production. In 1954 and 1955 the value of production was obtained by adjusting shipments for inventory change of finished goods only, while in 1956 and subsequent years adjustments were made for both goods in process and finished goods. The figures for value added for 1956 and subsequent years are, therefore, comparable with 1951 and earlier years. (See footnote 2, Table 1).

<sup>2</sup> In 1952 and subsequent years the basis of collection is "Value of factory shipments" instead of "Gross value of products".

<sup>3</sup> Not collected.

<sup>4</sup> See footnote 4, Table 2.



**TABLE 8. Principal Statistics Compared, 1959 and 1960<sup>1</sup>**

Basis: Revised Standard Industrial Classification, adopted in 1960

Principal statistics	1959	1960	+Increase -Decrease
Establishments ..... No.	840	887	+ 47
Administrative and office employees:			
Male ..... "	2,482	2,554	+ 72
Female ..... "	939	936	- 3
Salaries ..... \$	13,811,379	15,120,609	+ 1,309,230
Production workers:			
Male ..... No.	7,931	8,200	+ 269
Female ..... "	1,055	1,228	+ 173
Wages ..... \$	32,720,898	34,643,657	+ 1,922,759
Cost of fuel and electricity ..... \$	9,384,110	9,718,523	+ 334,413
Cost at plant of materials used ..... \$	212,568,673	215,404,848	+ 2,836,175
Value added by manufacture <sup>1</sup> ..... \$	123,974,515	119,776,935	- 4,197,580
Selling value of factory shipments ..... \$	344,084,883	344,773,261	+ 688,378

<sup>1</sup> See footnote 2, Table 1.<sup>2</sup> See footnote 4, Table 2.**TABLE 9. Principal Statistics of the Leading Industries of Saskatchewan, 1960**

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Value of factory shipments
		number			dollars		
1	Petroleum refining .....	6	1,032	5,877,144	52,524,069	18,512,054	75,338,011 <sup>2</sup>
2	Slaughtering and meat packing plants .....	10	1,357	6,180,349	38,278,783	10,375,057	49,015,122
3	Flour mills .....	7	714	3,070,244	31,046,934	9,999,048	41,575,309
4	Butter and cheese plants .....	43	584	1,720,739	16,332,563	3,475,325	20,161,826
5	Pasteurizing plants .....	20	906	3,227,782	10,119,640	5,790,150	16,258,831
6	Bakeries .....	100	1,053	3,527,279	4,561,015	6,440,430	11,290,995
7	Breweries .....	5	376	1,803,359	2,739,142	7,834,684	10,755,724
8	Printing and publishing .....	88	1,223	4,257,348	2,362,950	7,618,602	10,093,071
9	Poultry processors .....	21	358	808,211	6,314,841	1,279,899	7,649,745
10	Soft drink manufacturers .....	27	270	945,728	1,902,430	3,610,423	5,728,211
11	Metal stamping, pressing and coating industry .....	10	348	1,298,353	3,176,347	2,188,883	5,433,798
12	Sash and door and planing mills (ex- cluding hardwood flooring) .....	26	398	1,352,198	2,258,250	2,072,555	4,393,630
13	Sawmills (including shingle mills) ....	232	441	815,698	2,207,465	1,525,493	3,821,719 <sup>2</sup>
14	Miscellaneous metal fabricating, in- dustries n.e.s. ....	6	105	503,869	2,416,156	1,237,478	3,665,549
15	Feed manufacturers .....	12	111	368,783	2,275,611	846,893	3,214,823
16	Ready-Mix concrete manufacturers ....	6	76	317,222	1,756,839	983,150	2,798,059
17	Concrete products manufacturers .....	19	196	701,463	1,093,415	1,433,961	2,691,494
18	Other leading industries <sup>3</sup> .....	3	758	3,538,624	18,887,872	17,723,926	40,587,365
19	<b>Totals, leading industries .....</b>	<b>641</b>	<b>10,306</b>	<b>40,314,393</b>	<b>200,254,322</b>	<b>102,948,011</b>	<b>314,473,282</b>
20	<b>Totals, all industries .....</b>	<b>887</b>	<b>12,918</b>	<b>49,764,266</b>	<b>215,404,848</b>	<b>119,776,935</b>	<b>344,773,261</b>

<sup>1</sup> See footnote 2, Table 1.<sup>2</sup> Reported on a production basis.<sup>3</sup> Includes "Cement manufacturers", "Manufacturers of electric wire and cable", "Smelting and refining" and "Steel pipe and tube mills".

TABLE 10. Principal Statistics by Industrial Groups, 1957-60<sup>1</sup>

No.	Industrial groups	Establishments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
	1957				
1	Food and beverage industries .....	240	868	480	5,018,507
2	Tobacco products industries .....	—	—	—	—
3	Rubber industries .....	—	—	—	—
4	Leather industries .....	—	—	—	—
5	Textile industries .....	8	11	4	43,332
6	Knitting mills .....	—	—	—	—
7	Clothing industries .....	9	27	13	195,151
8	Wood industries .....	226	309	23	576,283
9	Furniture and fixture industries .....	31	39	4	94,500
10	Paper and allied industries .....	5	7	3	30,862
11	Printing, publishing and allied industries .....	148	456	185	2,101,066
12	Primary metal industries .....	5	61	7	371,382
13	Metal fabricating industries (except machinery and transportation equipment industries) .....	35	93	21	505,760
14	Machinery industries (except electrical machinery) .....	15	29	10	129,596
15	Transportation equipment industries .....	4	6	1	23,149
16	Electrical products industries .....	3	7	3	42,978
17	Non-metallic mineral products industries .....	33	121	18	496,565
18	Petroleum and coal products industries .....	13	316	72	2,071,827
19	Chemical and chemical products industries .....	8	42	10	157,237
20	Miscellaneous manufacturing industries .....	20	26	4	110,886
21	<b>Totals, 1957</b> .....	<b>803</b>	<b>2,418</b>	<b>858</b>	<b>11,969,081</b>
	1958				
22	Food and beverage industries .....	243	896	475	5,325,850
23	Tobacco products industries .....	—	—	—	—
24	Rubber industries .....	—	—	—	—
25	Leather industries .....	—	—	—	—
26	Textile industries .....	7	9	3	47,392
27	Knitting mills .....	—	—	—	—
28	Clothing industries .....	8	25	18	212,609
29	Wood industries .....	358	471	21	574,882
30	Furniture and fixture industries .....	30	33	1	88,994
31	Paper and allied industries .....	6	10	4	65,402
32	Printing, publishing and allied industries .....	141	441	221	2,250,105
33	Primary metal industries .....	4	60	7	411,014
34	Metal fabricating industries (except machinery and transportation equipment industries) .....	35	97	28	531,251
35	Machinery industries (except electrical machinery) .....	13	21	9	132,752
36	Transportation equipment industries .....	3	6	—	19,781
37	Electrical products industries .....	3	9	5	71,969
38	Non-metallic mineral products industries .....	31	113	25	618,179
39	Petroleum and coal products industries .....	12	305	58	2,051,809
40	Chemical and chemical products industries .....	9	31	10	158,182
41	Miscellaneous manufacturing industries .....	24	35	8	154,328
42	<b>Totals, 1958</b> .....	<b>927</b>	<b>2,562</b>	<b>893</b>	<b>12,714,499</b>

<sup>1</sup> See footnote 4, Table 2.<sup>2</sup> See footnote 2, Table 1.



TABLE 10. Principal Statistics by Industrial Groups, 1957-60<sup>1</sup>

Production workers			Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>2</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.			dollars			
3,497	602	13,187,378	5,447	18,205,885	2,019,765	95,428,276	42,458,942	139,906,983	1
—	—	—	—	—	—	—	—	—	2
—	—	—	—	—	—	—	—	—	3
—	—	—	—	—	—	—	—	—	4
13	50	127,171	78	170,503	3,457	805,844	324,285	1,133,586	5
—	—	—	—	—	—	—	—	—	6
55	161	427,794	256	622,945	16,441	1,136,581	1,238,783	2,391,805	7
852	14	2,173,684	1,198	2,749,967	189,283	5,020,075	4,488,152	9,697,510	8
40	6	103,728	89	198,228	16,088	197,057	296,198	509,343	9
19	14	87,934	43	118,796	8,496	281,875	262,217	552,588	10
767	140	2,877,611	1,548	4,978,677	151,853	3,171,239	8,190,491	11,513,583	11
515	—	2,254,624	583	2,626,006	2,033,340	14,517,587	10,436,565	26,987,492	12
337	1	1,116,038	452	1,621,798	63,994	3,664,099	2,485,558	6,213,651	13
136	—	438,102	175	567,698	31,041	854,342	868,028	1,753,411	14
5	—	17,568	12	40,717	3,676	22,995	78,169	104,840	15
56	—	177,616	66	220,594	26,151	2,114,295	670,630	2,811,076	16
371	2	1,247,888	512	1,744,453	914,002	1,873,528	4,619,965	7,407,495	17
889	1	4,085,597	1,278	6,157,424	3,466,601	57,808,209	29,114,164	90,388,974 <sup>3</sup>	18
47	2	187,444	101	344,681	26,086	1,534,534	797,428	2,358,048	19
57	7	198,956	104	309,842	25,117	263,552	627,618	916,287	20
7,666	1,000	28,709,133	11,942	40,678,214	8,995,391	188,694,088	106,957,193	304,646,672	21
3,614	598	14,625,988	5,583	19,951,838	2,081,314	106,414,620	48,294,922	156,839,069	22
—	—	—	—	—	—	—	—	—	23
—	—	—	—	—	—	—	—	—	24
—	—	—	—	—	—	—	—	—	25
13	46	123,474	71	170,866	2,603	820,907	317,180	1,138,402	26
—	—	—	—	—	—	—	—	—	27
65	154	425,873	262	638,482	17,447	1,084,142	1,196,280	2,423,879	28
741	13	1,953,301	1,246	2,528,183	192,014	5,586,248	4,599,263	10,442,803	29
45	7	134,209	86	223,203	13,116	221,043	315,488	547,904	30
51	16	235,950	81	301,352	69,217	432,901	413,056	852,205	31
710	154	2,863,870	1,526	5,113,975	150,162	3,157,111	8,805,543	12,106,353	32
605	5	2,494,150	677	2,905,164	2,369,268	19,697,189	15,400,049	37,265,306	33
336	—	1,077,647	461	1,608,898	73,797	3,457,640	2,910,999	6,466,390	34
102	3	359,298	135	492,050	26,701	560,726	780,574	1,491,278	35
5	—	18,401	11	38,182	2,593	19,913	63,782	86,452	36
49	—	166,040	63	238,009	21,122	1,725,533	996,216	2,751,879	37
420	1	1,393,304	559	2,011,483	880,506	2,528,463	6,894,295	10,385,410	38
841	1	3,911,617	1,205	5,963,426	2,908,712	50,585,613	26,454,408	82,945,640 <sup>3</sup>	39
48	3	203,230	92	361,412	27,786	1,778,550	897,591	2,639,462	40
83	7	240,708	133	395,036	34,215	291,496	726,255	1,052,328	41
7,728	1,008	30,227,060	12,191	42,941,559	8,870,573	198,362,095	119,065,901	329,434,760	42

<sup>1</sup> The figures for 1959 and 1960 are not comparable to those of 1957 and 1958 because of a change in the method of valuation for products in the Petroleum Refining Industry.

TABLE 10. Principal Statistics by Industrial Groups, 1957-60<sup>1</sup> - Concluded

No.	Industrial groups	Establishments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
	<b>1959</b>				
1	Food and beverage industries .....	236	889	487	5,771,301
2	Tobacco products industries .....	—	—	—	—
3	Rubber industries .....	—	—	—	—
4	Leather industries .....	—	—	—	—
5	Textile industries .....	7	9	3	46,766
6	Knitting mills .....	—	—	—	—
7	Clothing industries .....	9	33	33	280,752
8	Wood industries .....	281	348	18	569,390
9	Furniture and fixture industries .....	30	35	2	104,041
10	Paper and allied industries .....	7	23	10	157,787
11	Printing, publishing and allied industries .....	137	437	227	2,324,346
12	Primary metal industries .....	5	69	8	447,257
13	Metal fabricating industries (except machinery and transportation equipment industries) .....	37	123	31	633,933
14	Machinery industries (except electrical machinery) .....	13	29	13	179,828
15	Transportation equipment industries .....	3	6	1	29,011
16	Electrical products industries .....	3	3	3	3
17	Non-metallic mineral products industries .....	30	133	25	790,771
18	Petroleum and coal products industries .....	10	278	58	2,057,847
19	Chemical and chemical products industries .....	9	27	10	171,588
20	Miscellaneous manufacturing industries <sup>4</sup> .....	26	43	13	246,761
21	<b>Totals, 1959</b> .....	<b>840</b>	<b>2,482</b>	<b>939</b>	<b>13,811,379</b>
	<b>1960</b>				
22	Food and beverage industries .....	254	861	464	5,748,290
23	Tobacco products industries .....	—	—	—	—
24	Rubber industries .....	—	—	—	—
25	Leather industries .....	—	—	—	—
26	Textile industries .....	9	13	9	89,917
27	Knitting mills .....	—	—	—	—
28	Clothing industries .....	10	29	32	298,557
29	Wood industries .....	266	247	20	615,095
30	Furniture and fixture industries .....	35	47	1	127,113
31	Paper and allied industries .....	7	22	10	168,320
32	Printing, publishing and allied industries .....	136	461	226	2,453,268
33	Primary metal industries .....	5	89	11	589,728
34	Metal fabricating industries (except machinery and transportation equipment industries) .....	48	197	42	1,007,522
35	Machinery industries (except electrical machinery) .....	13	25	8	161,476
36	Transportation equipment industries .....	6	10	1	53,444
37	Electrical products industries .....	3	3	3	3
38	Non-metallic mineral products industries .....	35	151	24	841,303
39	Petroleum and coal products industries .....	11	307	57	2,337,940
40	Chemical and chemical products industries .....	10	33	10	181,946
41	Miscellaneous manufacturing industries <sup>4</sup> .....	42	62	21	446,690
42	<b>Totals, 1960</b> .....	<b>887</b>	<b>2,554</b>	<b>936</b>	<b>15,120,609</b>

<sup>1</sup> See footnote 4, Table 2.<sup>2</sup> See footnote 2, Table 1.<sup>3</sup> Confidential. Included in "Miscellaneous manufacturing industries".



TABLE 10. Principal Statistics by Industrial Groups, 1957-60\* - Continued

Production workers			Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>2</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.			dollars			
3,660	628	15,843,055	5,664	21,614,356	2,150,957	115,687,828	51,777,703	170,096,864	1
—	—	—	—	—	—	—	—	—	2
—	—	—	—	—	—	—	—	—	3
—	—	—	—	—	—	—	—	—	4
11	44	116,175	67	162,941	3,136	714,070	315,536	1,032,964	5
—	—	—	—	—	—	—	—	—	6
39	165	424,923	270	705,675	14,017	1,177,544	1,109,489	2,364,916	7
734	9	1,997,403	1,109	2,566,793	167,948	5,412,501	4,410,132	9,928,857	8
48	6	148,934	91	252,975	14,195	237,249	375,404	612,664	9
102	42	467,986	177	625,773	118,470	1,365,438	1,007,677	2,476,124	10
722	148	3,019,310	1,534	5,343,656	153,053	3,309,034	9,333,116	12,653,244	11
592	—	2,641,218	669	3,088,475	2,481,380	18,596,039	16,101,502	36,638,154	12
408	1	1,399,974	563	2,033,907	84,862	4,581,595	3,888,480	8,373,820	13
131	—	478,987	173	658,815	30,442	811,615	1,233,290	2,163,098	14
50	—	109,139	57	138,150	3,886	206,032	572,928	681,348	15
s	s	s	s	s	s	s	s	s	16
501	1	1,702,298	660	2,493,069	920,152	3,273,142	7,720,798	11,488,983	17
751	2	3,743,811	1,089	5,801,658	3,149,547	53,749,091	23,223,816	79,107,824 <sup>4</sup>	18
43	2	181,996	82	353,584	31,344	1,553,609	1,153,117	2,800,437	19
139	7	445,689	202	692,450	60,721	1,893,886	1,751,527	3,665,586	20
7,931	1,055	32,720,898	12,407	46,532,277	9,384,110	212,568,673	123,974,515	344,084,883	21
3,755	780	16,379,152	5,860	22,127,442	2,262,525	115,001,667	50,807,128	168,227,111	22
—	—	—	—	—	—	—	—	—	23
—	—	—	—	—	—	—	—	—	24
—	—	—	—	—	—	—	—	—	25
19	49	151,965	90	241,882	4,476	776,604	346,809	1,124,536	26
—	—	—	—	—	—	—	—	—	27
42	163	479,883	266	778,440	13,694	1,383,904	1,286,972	2,391,166	28
704	7	2,009,451	978	2,624,546	167,392	5,097,887	4,544,466	9,706,861	29
58	5	163,617	111	290,730	14,952	298,514	399,388	704,930	30
121	47	508,978	200	677,298	138,535	1,635,266	1,392,760	3,143,236	31
750	151	3,195,895	1,588	5,649,163	164,128	3,425,622	9,790,399	13,356,385	32
630	—	2,835,356	730	3,425,084	2,734,858	18,563,133	14,017,389	34,449,898	33
509	2	1,852,123	750	2,859,645	104,766	7,574,256	4,633,531	12,330,937	34
117	—	434,732	150	596,208	28,049	974,288	1,003,146	1,981,292	35
59	1	167,205	71	220,649	10,356	145,921	1,148,642	1,305,999	36
s	s	s	s	s	s	s	s	s	37
450	6	1,707,925	631	2,549,228	793,015	3,657,196	6,778,705	11,168,793	38
745	2	3,853,000	1,111	6,190,940	3,184,710	52,964,424	19,124,951	76,519,283 <sup>5</sup>	39
47	2	230,328	92	412,274	40,700	1,664,524	1,535,823	3,213,217	40
194	13	674,047	290	1,120,737	56,367	2,241,642	2,966,826	5,149,617	41
8,200	1,228	34,643,657	12,918	49,764,266	9,718,523	215,404,848	119,776,935	344,773,261	42

\* Includes: "Electrical products industries".

<sup>5</sup> The figures for 1959 and 1960 are not comparable to those of 1957 and 1958 because of a change in the method of valuation for products in the Petroleum Refining Industry.

TABLE 11. Principal Statistics of the Individual Industries, 1960

No.	Industries	Estab- lish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
	<b>1. Food and beverage industries:</b>				
	<b>Meat products industries:</b>				
1	Slaughtering and meat packing plants .....	10	190	62	1,337,186
2	Poultry processors <sup>1</sup> .....	21	43	23	225,277
	<b>Dairy products industries:</b>				
3	Butter and cheese plants .....	43	71	114	556,395
4	Pasteurizing plants .....	20	77	82	527,800
	<b>Grain mills:</b>				
5	Feed manufacturers .....	12	25	11	122,700
6	Flour mills .....	7	194	65	1,335,657
	<b>Bakery products industries:</b>				
7	Bakeries .....	100	140	57	732,674
	<b>Other food processors:</b>				
8	Biscuit manufacturers .....	1	21	17	162,700
9	Confectionery manufacturers .....	1			
10	Fruit and vegetable canners and preservers .....	2			
11	Sausage and sausage casing manufacturers .....	2			
12	Vegetable oil mills .....	1			
13	Miscellaneous foods manufacturers, n.e.s. ....	2			
	<b>Beverage manufacturers:</b>				
14	Soft drink manufacturers .....	27	53	25	376,323
15	Breweries .....	5	47	8	371,578
16	<b>Totals</b> .....	<b>254</b>	<b>861</b>	<b>464</b>	<b>5,748,290</b>
17	<b>2. Tobacco products industries</b> .....	—	—	—	—
18	<b>3. Rubber industries</b> .....	—	—	—	—
19	<b>4. Leather industries</b> .....	—	—	—	—
	<b>5. Textile industries:</b>				
20	Canvas products industry .....	3	10	9	80,917
21	Cotton and jute bag industry .....	1			
22	Embroidery, pleating, hemsitching manufacturers .....	4			
23	Miscellaneous textiles industries, n.e.s. ....	1			
24	<b>Totals</b> .....	<b>9</b>	<b>13</b>	<b>9</b>	<b>89,917</b>
25	<b>6. Knitting mills</b> .....	—	—	—	—
	<b>7. Clothing industries:</b>				
26	Men's clothing factories .....	1	13	23	175,253
27	Women's clothing factories .....	2			
28	Fur goods industry .....	7			
29	<b>Totals</b> .....	<b>10</b>	<b>29</b>	<b>32</b>	<b>298,557</b>
	<b>8. Wood industries:</b>				
30	Sawmills (including shingle mills) .....	232	168	—	221,764
31	Sash and door and planning mills (including hardwood flooring) .....	26	59	13	288,200
32	Coffin and casket industry .....	1	20	7	105,131
33	Veneer and plywood mills .....	1			
34	Miscellaneous wood industries, n.e.s. (including wood preservation) .....	6			
35	<b>Totals</b> .....	<b>266</b>	<b>247</b>	<b>20</b>	<b>615,095</b>

<sup>1</sup> See footnote 1, Table 1.<sup>2</sup> See footnote 2, Table 1.



TABLE 11. Principal Statistics of the Individual Industries, 1960

Production workers			Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>2</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.	dollars					
895	210	4,843,163	1,357	6,180,349	368,630	38,278,783	10,375,057	49,015,122	1
140	152	582,934	358	808,211	84,940	6,314,841	1,279,899	7,649,745	2
362	37	1,164,344	584	1,720,739	301,991	16,332,563	3,475,325	20,161,826	3
713	34	2,699,982	906	3,227,782	332,534	10,119,640	5,790,150	16,258,831	4
67	8	246,083	111	368,783	63,365	2,275,611	846,893	3,214,823	5
421	34	1,734,587	714	3,070,244	380,703	31,046,934	9,999,048	41,575,309	6
607	249	2,794,605	1,053	3,527,279	292,740	4,561,015	6,440,430	11,290,995	7
63	30	312,268	131	474,968	38,789	1,430,708	1,155,219	2,576,525	8 9 10 11 12 13
166	26	569,405	270	945,728	227,099	1,902,430	3,610,423	5,728,211	14
321	—	1,431,781	376	1,803,359	171,734	2,739,142	7,834,684	10,755,724	15
755	780	16,379,152	5,860	22,127,442	2,262,525	115,001,667	50,807,128	168,227,111	16
—	—	—	—	—	—	—	—	—	17
—	—	—	—	—	—	—	—	—	18
—	—	—	—	—	—	—	—	—	19
5	5	19,731	13	28,731	643	22,500	50,092	73,357	20
14	44	132,234	77	213,151	3,833	754,104	296,717	1,051,179	21 22 23
19	49	151,965	90	241,882	4,476	776,604	346,809	1,124,536	24
—	—	—	—	—	—	—	—	—	25
17	142	312,631	195	487,884	8,442	1,002,640	812,430	1,564,641	26 27
25	21	167,252	71	290,556	5,252	381,264	474,542	826,525	28
42	163	479,883	266	778,440	13,694	1,383,904	1,286,972	2,391,166	29
269	4	593,934	441	815,698	88,761	2,207,465	1,525,493	3,821,719 <sup>3</sup>	30
325	1	1,063,998	398	1,352,198	53,775	2,258,250	2,072,555	4,393,630	31 32 33
110	2	351,519	139	456,650	24,856	632,172	946,418	1,491,512	34
704	7	2,009,451	978	2,624,546	167,392	5,097,887	4,544,466	9,706,861	35

<sup>3</sup> Reported on a production basis.

TABLE 11. Principal Statistics of the Individual Industries, 1960 - Continued

No.	Industries	Estab- lish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
<b>9. Furniture and fixture industries:</b>					
1	Household furniture industry .....	26	35	1	91,899
2	Other furniture industries .....	9	12	—	35,214
3	<b>Totals</b> .....	<b>35</b>	<b>47</b>	<b>1</b>	<b>127,113</b>
<b>10. Paper and allied industries:</b>					
4	Pulp and paper mills .....	1	22	10	168,320
5	Paper box and bag manufacturers:				
6	Folding box and set-up box manufacturers .....	2			
7	Corrugated box manufacturers .....	1			
8	Paper bag manufacturers .....	1			
8	Miscellaneous paper converters .....	2			
9	<b>Totals</b> .....	<b>7</b>	<b>22</b>	<b>10</b>	<b>168,320</b>
<b>11. Printing, publishing and allied industries:</b>					
Commercial printing:					
10	Printing and bookbinding .....	32	49	14	223,536
11	Lithographing .....	4	9	7	109,005
Engraving, stereotyping and allied industries:					
12	Engraving and duplicate plates .....	1	6	—	24,349
13	Trade composition or typesetting .....	3			
14	Publishing only .....	8	25	28	147,881
15	Printing and publishing .....	88	372	177	1,948,497
16	<b>Totals</b> .....	<b>136</b>	<b>461</b>	<b>226</b>	<b>2,453,268</b>
<b>12. Primary metal industries:</b>					
17	Iron and steel mills .....	1	89	11	589,728
18	Steel pipe and tube mills .....	1			
19	Iron foundries .....	3			
20	Smelting and refining .....	—			
21	<b>Totals</b> .....	<b>5</b>	<b>89</b>	<b>11</b>	<b>589,728</b>
<b>13. Metal fabricating industries (except machinery and transportation equipment industries):</b>					
22	Boilers and plate works .....	1	64	14	296,278
23	Fabricated structural metal industry .....	3			
24	Ornamental and architectural metal industry .....	7			
25	Metal stamping, pressing and coating industry .....	10			
26	Machine shops .....	21	34	5	130,182
27	Miscellaneous metal fabricating industries, n.e.s. ....	6	24	6	194,726
28	<b>Totals</b> .....	<b>48</b>	<b>197</b>	<b>42</b>	<b>1,007,522</b>
<b>14. Machinery industries (except electrical machinery):</b>					
29	Agricultural implement industry .....	7	9	—	57,454
30	Miscellaneous machinery and equipment, manufacturers n.e.s. ....	6	16	8	104,022
31	<b>Totals</b> .....	<b>13</b>	<b>25</b>	<b>8</b>	<b>161,476</b>
<b>15. Transportation equipment industries:</b>					
32	Truck body and trailer manufacturers .....	1	10	1	53,444
33	Motor vehicle parts and accessories manufacturers .....	4			
34	Miscellaneous vehicles manufacturers, n.e.s. ....	1			
35	<b>Totals</b> .....	<b>6</b>	<b>10</b>	<b>1</b>	<b>53,444</b>

\* See footnote 2, Table 1.



TABLE 11. Principal Statistics of the Individual Industries, 1960 - Continued

Production workers			Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>4</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.	dollars					
29	3	79,067	68	170,966	8,988	149,963	235,866	391,348	1
29	2	84,550	43	119,764	5,964	148,551	163,522	313,582	2
58	5	163,617	111	290,730	14,952	298,514	399,388	704,930	3
121	47	508,978	200	677,298	138,535	1,635,266	1,392,760	3,143,236	4 5 6 7 8
121	47	508,978	200	677,298	138,535	1,635,266	1,392,760	3,143,236	9
109	37	562,969	209	786,505	18,210	528,989	1,201,161	1,751,208	10
61	13	297,414	90	406,419	6,772	284,696	646,072	937,065	11
7	—	26,661	13	51,010	1,490	27,397	87,946	116,833	12
—	—	—	53	147,881	—	221,590	236,618	458,208	13
573	101	2,308,851	1,223	4,257,348	137,656	2,362,950	7,618,602	10,093,071	14
750	151	3,195,895	1,588	5,649,163	164,128	3,425,622	9,790,399	13,356,385	15
630	—	2,835,356	730	3,425,084	2,734,858	18,563,133	14,017,389	34,449,898	16
630	—	2,835,356	730	3,425,084	2,734,858	18,563,133	14,017,389	34,449,898	17 18 19 20
93	—	314,436	171	610,714	18,880	1,585,391	562,215	2,146,113	21
23	—	77,497	30	102,801	2,933	145,006	160,761	307,369	22
261	2	937,321	348	1,298,353	35,515	3,176,347	2,188,883	5,433,798	23
57	—	213,726	96	343,908	25,499	251,356	484,194	778,108	24
75	—	309,143	105	503,869	21,939	2,416,156	1,237,478	3,665,549	25
509	2	1,852,123	750	2,859,645	104,766	7,574,256	4,633,531	12,330,937	26
33	—	128,754	42	186,208	10,689	337,744	516,465	877,181	27
84	—	305,978	108	410,000	17,360	636,544	486,681	1,104,111	28
117	—	434,732	150	596,208	28,049	974,288	1,003,146	1,981,292	29
59	1	167,205	71	220,649	10,356	145,921	1,148,642	1,305,999	30
59	1	167,205	71	220,649	10,356	145,921	1,148,642	1,305,999	31 32 33 34
59	1	167,205	71	220,649	10,356	145,921	1,148,642	1,305,999	35

TABLE 11. Principal Statistics of the Individual Industries, 1960 — Continued

No.	Industries	Estab- lish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
	<b>16. Electrical products industries:</b>				
1	Manufacturers of electrical industrial equipment .....	6	6	6	6
2	Manufacturers of electric wire and cable .....	6	6	6	6
	<b>17. Non-metallic mineral products industries:</b>				
3	Concrete products manufacturers .....	19	49	7	239,770
4	Ready-mix concrete manufacturers .....	6	20	4	119,696
	Clay products manufacturers:				
5	Clay products (from domestic clays) .....	4	19	2	114,458
6	Cement manufacturers .....	1	63	11	367,379
7	Glass products manufacturers .....	1			
8	Refractories manufacturers .....	1			
9	Stone products manufacturers .....	2			
10	Miscellaneous non-metallic mineral products, industries n.e.s. ....	1			
11	<b>Totals</b> .....	<b>35</b>	<b>151</b>	<b>24</b>	<b>841,303</b>
	<b>18. Petroleum and coal products industries:</b>				
12	Petroleum refining .....	6	297	55	2,306,003
13	Manufacturers of lubricating oils and greases .....	1	10	2	31,937
14	Miscellaneous petroleum and coal products industries, n.e.s. ....	4			
15	<b>Totals</b> .....	<b>11</b>	<b>307</b>	<b>57</b>	<b>2,337,940</b>
	<b>19. Chemical and chemical products industries:</b>				
16	Manufacturers of industrial chemicals .....	4	25	6	134,683
17	Manufacturers of toilet preparations .....	1	8	4	47,263
18	Miscellaneous chemicals industries, n.e.s. ....	5			
19	<b>Totals</b> .....	<b>10</b>	<b>33</b>	<b>10</b>	<b>181,946</b>
	<b>20. Miscellaneous manufacturing industries:</b>				
	Scientific and professional equipment manufacturers:				
20	Dental laboratories <sup>5</sup> .....	18	23	3	167,573
21	Brooms, brush and mop industry .....	3	5	2	22,015
22	Venetian blind manufacturers .....	3	3	1	7,224
23	Signs and displays industry .....	8	12	5	94,407
	Miscellaneous manufacturing industries, n.e.s.:				
24	Artificial ice manufacturers .....	1	19	10	155,471
25	Jewellery and silverware manufacturers .....	2			
26	Manufacturers of electrical industrial equipment .....	2			
27	Manufacturers of electric wire and cable .....	1			
28	Plastic fabricators, n.e.s. ....	1			
29	Sporting goods industry .....	1			
30	Stamp and stencil (rubber and metal) manufacturers..	2			
31	<b>Totals<sup>6</sup></b> .....	<b>42</b>	<b>62</b>	<b>21</b>	<b>446,690</b>
32	<b>Grand totals</b> .....	<b>887</b>	<b>2,554</b>	<b>936</b>	<b>15,120,609</b>

<sup>5</sup> See footnote 2, Table 1.<sup>6</sup> Confidential. Included in "Miscellaneous industries".<sup>7</sup> Reported on a production basis.



TABLE 11. Principal Statistics of the Individual Industries, 1960 — Concluded

Production workers			Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>a</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.			dollars			
6	6	6	6	6	6	6	6	6	1
6	6	6	6	6	6	6	6	6	2
140	—	461,693	196	701,463	79,539	1,093,415	1,433,961	2,691,494	3
52	—	197,526	76	317,222	58,070	1,756,839	983,150	2,798,059	4
126	—	479,606	147	594,064	135,992	22,551	891,800	873,743	5
132	6	569,100	212	936,479	519,414	784,391	3,469,794	4,805,497	6
									7
									8
									9
450	6	1,707,925	631	2,549,228	793,015	3,657,196	6,778,705	11,168,793	10
									11
678	2	3,571,141	1,032	5,877,144	3,145,446	52,524,069	18,512,054	75,338,011 <sup>b</sup>	12
57	—	281,859	79	313,796	39,264	440,355	612,897	1,181,272	13
									14
745	2	3,853,000	1,111	6,190,940	3,184,710	52,964,424	19,124,951	76,519,283	15
27	—	162,924	58	297,607	33,689	1,054,022	721,811	1,812,404	16
20	2	67,404	34	114,667	7,011	610,502	814,012	1,400,813	17
									18
47	2	230,328	92	412,274	40,700	1,664,524	1,535,823	3,213,217	19
35	3	129,943	64	297,516	3,924	116,179	390,962	510,865	20
9	6	33,309	22	55,324	937	71,523	82,620	152,163	21
4	—	7,006	8	14,230	1,401	21,775	27,429	50,605	22
67	1	233,937	85	328,344	18,098	164,550	621,904	802,810	23
79	3	269,852	111	425,323	32,007	1,867,615	1,843,911	3,633,174	24
									25
									26
									27
									28
									29
									30
194	13	674,047	290	1,120,737	56,367	2,241,642	2,966,826	5,149,617	31
8,200	1,228	34,643,657	12,918	49,764,266	9,718,523	215,404,848	119,776,935	344,773,261	32

<sup>a</sup> See footnote 1, Table 1.<sup>b</sup> Includes "Manufacturers of electrical industrial equipment" and "Manufacturers of electric wire and cable".





SUBSECTION 3

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PROVINCE OF ALBERTA

TABLE 12. Principal Statistics of the Manufacturing Industries of Alberta, 1931 - 60

Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Gross value of products <sup>2</sup>
	No.	\$	No.		dollars		
1931 .....	795	78,447,393	10,343	12,589,106	35,970,042	25,313,844	62,640,857
1932 .....	848	71,483,630	9,882	10,473,427	28,354,393	20,203,758	49,772,810
1933 .....	874	69,604,563	9,753	9,573,468	29,425,975	18,876,929	49,395,514
1934 .....	868	69,988,172	10,468	10,546,984	40,307,089	22,609,234	64,139,973
1935 .....	908	68,110,643	11,029	11,268,681	42,762,450	23,769,306	67,830,918
1936 .....	905	70,224,578	11,756	12,328,471	47,684,029	25,000,136	74,052,010
1937 .....	895	70,804,070	12,524	13,903,062	55,898,599	28,923,095	86,225,069
1938 .....	970	69,192,348	12,684	14,367,789	54,345,594	30,755,626	86,675,500
1939 .....	961	73,284,225	12,712	14,977,700	53,151,149	32,618,153	87,474,080
1940 .....	1,068	78,440,506	14,191	16,824,993	67,429,671	37,747,215	107,313,964
1941 .....	1,108	95,676,318	16,761	20,151,705	94,176,887	45,958,219	142,651,493
1942 .....	1,115	101,401,133	18,397	23,992,613	117,617,500	57,479,536	178,103,011
1943 .....	1,133	111,682,419	20,613	29,494,369	142,057,051	65,796,813	211,159,142
1944 .....	1,165	<sup>3</sup>	22,186	33,227,729	172,082,537	77,415,753	252,949,894
1945 .....	1,157	<sup>3</sup>	21,486	32,760,326	166,198,136	78,547,626	248,287,504
1946 .....	1,315	<sup>3</sup>	22,649	34,939,088	169,425,176	83,735,011	257,031,867
1947 .....	1,382	<sup>3</sup>	23,941	41,246,171	202,324,036	89,289,825	296,054,129
1948 .....	1,567	<sup>3</sup>	25,690	49,735,336	253,754,967	107,124,387	366,079,506
1949 .....	1,685	<sup>3</sup>	26,425	55,115,554	251,364,059	114,681,296	371,995,120
1950 .....	1,671	<sup>3</sup>	26,732	58,416,324	272,131,049	123,892,868	402,840,023
1951 .....	2,118	<sup>3</sup>	29,105	69,135,587	309,430,618	141,649,574	458,281,384
1952 .....	2,150	<sup>3</sup>	31,765	82,527,194	331,817,141	178,221,013	518,410,811
1953 .....	2,072	<sup>3</sup>	33,082	92,605,153	346,221,162	199,660,428	555,814,827
1954 .....	2,052	<sup>3</sup>	32,765	96,909,889	346,524,989	219,327,509	575,277,702
1955 .....	2,126	<sup>3</sup>	34,846	106,548,815	366,022,853	263,308,701	641,148,235
1956 .....	1,971	<sup>3</sup>	36,792	120,195,105	412,138,247	285,830,811	703,188,739
1957 .....	1,893	<sup>3</sup>	39,089	137,077,438	461,134,040	312,037,090	784,480,512
1958 .....	1,762	<sup>3</sup>	37,860	140,135,179	495,311,847	339,439,455	848,251,994
1959 .....	1,830	<sup>3</sup>	39,522	152,505,413	524,268,966	346,299,750	887,316,797
Basis: Revised Standard Industrial Classification, adopted in 1960							
1957 <sup>4</sup> .....	1,796	<sup>3</sup>	38,598	134,907,636	454,160,456	300,711,511	770,250,899
1958 <sup>4</sup> .....	1,674	<sup>3</sup>	37,402	138,039,307	488,146,978	328,927,613	833,105,391
1959 <sup>4</sup> .....	1,750	<sup>3</sup>	39,016	149,969,677	516,032,439	338,032,355	869,404,244
1960 <sup>4</sup> .....	1,848	<sup>3</sup>	39,157	156,339,528	524,908,916	353,197,544	889,657,800

<sup>1</sup> Prior to 1952 the value added by manufacture was computed by subtracting the cost of materials, fuel and electricity used from the gross value of products and in 1952, 1953 and 1957 from the factory shipments. In 1954 and subsequent years the deduction was made from the calculated value of production. In years 1954 and 1955 the value of production was obtained by adjusting shipments for inventory change of finished goods only, while in 1956 and subsequent years adjustments were made for both goods in process and finished goods. The figures for value added for 1956 and subsequent years are, therefore, comparable with 1951 and earlier years. (See footnote 2, Table 1).

<sup>2</sup> In 1952 and subsequent years the basis of collection is "Value of factory shipments" instead of "Gross value of products".

<sup>3</sup> Not collected.

<sup>4</sup> See footnote 4, Table 2.



TABLE 13. Principal Statistics Compared, 1959 and 1960<sup>1</sup>

Principal statistics		1959	1960	+Increase -Decrease
Establishments.....	No.	1,750	1,848	+ 98
Administrative and office employees:				
Male .....	"	7,136	7,282	+ 146
Female .....	"	2,429	2,437	+ 8
Salaries .....	\$	43,074,935	45,966,406	+ 2,891,471
Production workers:				
Male .....	No.	25,442	25,172	- 270
Female .....	"	4,009	4,266	+ 257
Wages .....	\$	106,894,742	110,373,122	+ 3,478,380
Cost of fuel and electricity .....	\$	17,201,604	18,658,238	+ 1,456,634
Cost at plant of materials used .....	\$	516,032,439	524,908,916	+ 8,876,477
Value added by manufacture <sup>1</sup> .....	\$	338,032,355	353,197,544	+ 15,165,189
Selling value of factory shipments.....	\$	869,404,244	889,657,800	+ 20,253,556

<sup>1</sup> See footnote 2, Table 1.<sup>2</sup> See footnote 4, Table 2.

TABLE 14. Principal Statistics of the Leading Industries of Alberta, 1960

Basis: Revised Standard Industrial Classification, adopted in 1960

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Selling value of factory shipments
		number			dollars		
1	Slaughtering and meat packing plants	21	3,838	17,854,141	137,899,556	32,508,892	170,682,500
2	Petroleum refining.....	11	1,684	9,822,082	72,965,276	30,816,811	107,747,089 <sup>2</sup>
3	Flour mills .....	8	663	2,493,798	25,212,787	9,531,650	34,886,459
4	Manufacturers of industrial chemicals	11	1,148	5,782,103	10,174,565	21,175,611	33,103,165
5	Pasteurizing plants.....	36	1,942	6,836,998	22,225,118	9,790,934	32,498,579
6	Pulp and paper mills.....	3	605	3,388,347	11,172,765	14,674,669	27,620,144
7	Butter and cheese plants.....	81	588	1,660,228	20,140,078	2,852,213	23,254,832
8	Bakeries .....	164	2,096	6,807,509	9,239,466	12,039,295	21,812,471
9	Fabricated structural metal industry	7	1,172	5,167,596	10,046,311	9,202,166	19,359,533 <sup>2</sup>
10	Manufacturers of plastics and syn- thetic resins.....	4	498	2,913,804	7,962,748	10,999,994	19,216,317
11	Printing and publishing.....	76	1,651	6,223,520	4,663,049	14,237,684	19,034,526
12	Sash and door and planing mills (excluding hardwood flooring).....	105	1,438	4,732,670	10,606,787	7,493,197	18,371,978
13	Breweries .....	6	536	2,591,428	4,160,489	13,301,375	17,705,373
14	Sawmills (including shingle mills) .....	360	1,591	3,581,839	9,387,164	6,755,103	16,546,004 <sup>2</sup>
15	Ready-mix concrete manufacturers .....	12	466	2,231,807	7,557,332	4,828,905	12,695,412
16	Cement manufacturers.....	3	436	2,260,703	1,331,225	8,947,200	11,893,305
17	Concrete products manufacturers .....	47	782	3,005,148	4,462,327	7,104,988	11,702,591
18	Feed manufacturers.....	98	351	1,229,513	8,034,695	3,362,358	11,626,229
19	Machine shops .....	68	1,027	4,533,270	3,995,644	7,134,259	11,036,878
20	Men's clothing factories.....	9	925	2,502,659	5,570,041	4,803,631	9,931,788
21	Poultry processors .....	11	465	1,072,896	7,939,973	1,663,310	9,738,821
22	Metal stamping, pressing and coating industry .....	25	502	1,982,410	5,354,616	4,011,546	9,416,288
23	Miscellaneous food manufacturers .....	12	249	949,143	5,266,985	3,466,140	8,839,069
24	Glass manufacturers .....	4	696	2,576,208	3,398,463	4,824,496	8,244,295
25	Other leading industries <sup>3</sup> .....	8	2,392	10,476,538	42,518,490	20,835,063	62,340,175
26	<b>Totals, leading industries .....</b>	<b>1,190</b>	<b>27,741</b>	<b>112,676,358</b>	<b>451,285,950</b>	<b>266,361,490</b>	<b>729,303,821</b>
27	<b>Totals, all industries .....</b>	<b>1,848</b>	<b>39,157</b>	<b>156,339,528</b>	<b>524,908,916</b>	<b>353,197,544</b>	<b>889,657,800</b>

<sup>1</sup> See footnote 2, Table 1.<sup>2</sup> Reported on a production basis.<sup>3</sup> Includes "Railroad rolling stock industry", "Smelting and refining", "Steel pipe and tube mills" and "Sugar refineries".

TABLE 15. Principal Statistics by Industrial Groups, 1957-60<sup>1</sup>

No.	Industrial groups	Establishments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
	1957				
1	Food and beverage industries .....	445	1,782	818	9,360,068
2	Tobacco products industries .....	—	—	—	—
3	Rubber industries .....	3	3	3	3
4	Leather industries .....	12	12	2	39,122
5	Textile industries .....	20	97	29	532,147
6	Knitting mills .....	5	6	5	36,669
7	Clothing industries .....	25	56	38	466,550
8	Wood industries .....	604	969	115	2,543,124
9	Furniture and fixture industries .....	82	131	34	638,715
10	Paper and allied industries .....	17	223	65	1,256,772
11	Printing, publishing and allied industries .....	188	672	402	3,878,125
12	Primary metal industries .....	16	331	41	1,859,829
13	Metal fabricating industries (except machinery and transportation equipment industries) .....	152	750	174	4,156,638
14	Machinery industries (except electrical machinery) .....	13	71	21	415,632
15	Transportation equipment industries .....	28	361	171	2,233,337
16	Electrical products industries .....	10	38	10	205,438
17	Non-metallic mineral products industries .....	70	380	81	2,029,402
18	Petroleum and coal products industries .....	17	528	151	3,790,185
19	Chemical and chemical products industries .....	33	604	144	3,275,561
20	Miscellaneous manufacturing industries <sup>4</sup> .....	59	112	33	621,870
21	<b>Totals, 1957</b> .....	<b>1,796</b>	<b>7,123</b>	<b>2,334</b>	<b>37,339,134</b>
	1958				
22	Food and beverage industries .....	453	1,781	778	9,792,574
23	Tobacco products industries .....	—	—	—	—
24	Rubber industries .....	3	3	3	3
25	Leather industries .....	11	11	3	47,508
26	Textile industries .....	17	84	28	558,310
27	Knitting mills .....	5	6	3	31,475
28	Clothing industries .....	23	53	44	503,241
29	Wood industries .....	470	771	124	2,365,558
30	Furniture and fixture industries .....	78	128	31	652,548
31	Paper and allied industries .....	18	280	72	1,770,258
32	Printing, publishing and allied industries .....	184	681	408	4,100,277
33	Primary metal industries .....	16	336	51	2,079,149
34	Metal fabricating industries (except machinery and transportation equipment industries) .....	151	779	185	4,407,147
35	Machinery industries (except electrical machinery) .....	16	51	20	272,065
36	Transportation equipment industries .....	26	326	151	2,105,749
37	Electrical products industries .....	8	41	8	216,170
38	Non-metallic mineral products industries .....	74	375	80	2,169,495
39	Petroleum and coal products industries .....	19	565	155	4,252,676
40	Chemical and chemical products industries .....	34	560	143	3,590,363
41	Miscellaneous manufacturing industries <sup>4</sup> .....	71	125	37	745,797
42	<b>Totals, 1958</b> .....	<b>1,574</b>	<b>6,953</b>	<b>2,321</b>	<b>39,658,360</b>

<sup>1</sup> See footnote 4, Table 1.<sup>2</sup> See footnote 2, Table 1.<sup>3</sup> Confidential. Included in "Miscellaneous manufacturing industries".



TABLE 15. Principal Statistics by Industrial Groups, 1957 - 60<sup>1</sup>

Production workers			Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>2</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.			dollars			
7,405	1,734	29,291,669	11,739	38,651,737	3,134,238	223,632,094	84,353,779	311,120,111	1
—	—	—	—	—	—	—	—	—	2
s	s	s	s	s	s	s	s	s	3
34	14	113,953	62	153,075	5,757	274,016	71,794	351,567	4
178	160	1,001,464	464	1,533,611	86,143	3,969,819	2,330,948	6,386,910	5
6	31	65,272	48	101,941	1,811	112,646	144,010	258,467	6
130	775	1,888,028	999	2,354,578	25,709	5,421,316	3,938,779	9,385,804	7
3,341	93	8,896,744	4,518	11,439,868	919,093	25,299,773	20,928,820	47,147,686	8
519	86	1,655,680	770	2,294,375	83,453	3,948,932	3,631,539	7,663,924	9
753	116	3,620,712	1,157	4,877,484	697,430	10,907,421	5,880,602	17,485,453	10
1,272	279	5,166,815	2,625	9,044,940	205,420	7,284,609	17,546,186	25,036,215	11
960	—	4,146,606	1,332	6,006,435	847,316	20,585,035	14,218,199	35,650,550	12
2,754	50	9,985,730	3,728	14,142,368	528,769	24,233,265	25,657,824	50,419,858	13
174	6	569,211	272	984,843	52,523	1,405,396	1,365,882	2,823,801	14
3,085	49	11,274,458	3,666	13,507,795	253,904	12,464,435	15,703,710	28,422,049	15
130	10	451,599	188	657,037	59,287	2,851,788	1,006,688	3,917,763	16
1,933	276	7,462,437	2,670	9,491,839	1,953,364	15,601,974	23,702,101	41,257,439	17
1,291	10	5,824,766	1,980	9,614,901	3,854,337	78,363,399	54,235,381	136,453,117 <sup>5</sup>	18
1,139	26	5,130,837	1,913	8,406,398	2,565,022	15,890,787	23,029,655	41,485,464	19
301	21	1,022,541	467	1,644,411	105,356	1,913,751	2,965,614	4,984,721	20
25,405	3,736	97,568,502	38,598	134,907,636	15,378,932	454,160,456	300,711,511	770,250,899	21
7,561	1,748	31,506,788	11,868	41,209,362	3,266,646	248,808,123	95,676,018	344,745,257	22
—	—	—	—	—	—	—	—	—	23
s	s	s	s	s	s	s	s	s	24
40	14	132,854	68	180,362	10,529	340,710	255,256	610,116	25
165	169	1,195,370	446	1,751,680	82,031	4,798,374	3,970,726	8,911,023	26
3	29	61,588	41	93,063	2,080	107,879	115,165	237,640	27
127	804	2,071,359	1,028	2,574,600	35,870	5,771,544	4,748,934	10,758,626	28
2,946	112	7,985,145	3,953	10,350,703	926,219	24,928,314	19,900,419	45,648,932	29
613	98	1,878,362	870	2,530,910	73,401	4,545,673	4,343,839	8,893,001	30
756	91	3,751,581	1,199	5,521,839	1,414,412	16,127,342	12,288,502	29,045,883	31
1,265	287	5,461,021	2,641	9,561,298	193,992	7,904,704	18,812,454	26,905,023	32
921	1	3,995,614	1,309	6,074,763	874,297	20,568,726	16,213,092	37,258,989	33
2,434	59	9,093,116	3,457	13,500,263	506,901	24,267,792	19,802,931	45,185,648	34
167	8	601,200	246	873,265	49,908	1,458,251	2,289,867	3,840,496	35
2,690	39	10,125,500	3,206	12,231,249	218,010	11,815,601	13,891,341	25,965,497	36
109	13	423,466	171	639,636	62,019	2,510,373	1,767,781	4,575,504	37
1,906	243	7,976,795	2,604	10,146,290	1,815,548	18,218,851	26,969,886	47,244,609	38
1,224	5	5,807,414	1,949	10,060,090	3,770,154	77,099,669	55,106,024	139,293,282 <sup>5</sup>	39
1,080	27	5,051,294	1,810	8,641,657	2,712,050	16,578,202	28,769,708	47,620,377	40
342	32	1,262,480	536	2,008,277	109,824	2,296,850	4,005,670	6,365,488	41
24,349	3,779	98,380,947	37,402	138,039,307	16,123,891	488,146,978	328,927,613	833,105,391	42

<sup>1</sup> Includes "Rubber industries".<sup>2</sup> The figures for 1959 and 1960 are not comparable to those of 1957 and 1958 because of a change in the method of valuation for products in the Petroleum refining industry.

TABLE 15. Principal Statistics by Industrial Groups, 1957-60<sup>1</sup> - Concluded

No.	Industrial groups	Establishments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
1959					
1	Food and beverage industries .....	450	1,715	770	10,525,681
2	Tobacco products industries .....	—	—	—	—
3	Rubber industries .....	3	3	3	3
4	Leather industries .....	11	16	3	62,798
5	Textile industries .....	17	122	23	679,687
6	Knitting mills .....	3	4	1	18,259
7	Clothing industries .....	22	55	52	526,943
8	Wood industries .....	517	811	117	2,682,407
9	Furniture and fixture industries .....	88	146	32	716,322
10	Paper and allied industries .....	20	289	78	1,955,093
11	Printing, publishing and allied industries .....	193	727	467	4,548,151
12	Primary metal industries .....	16	325	50	2,272,978
13	Metal fabricating industries (except machinery and transportation equipment industries) .....	152	817	196	4,768,469
14	Machinery industries (except electrical machinery) .....	13	35	16	199,226
15	Transportation equipment industries .....	29	323	183	2,352,174
16	Electrical products industries .....	10	40	12	195,375
17	Non-metallic mineral products industries .....	80	418	93	2,581,107
18	Petroleum and coal products industries .....	19	560	143	4,422,615
19	Chemical and chemical products industries .....	37	605	149	3,745,374
20	Miscellaneous manufacturing industries <sup>4</sup> .....	73	128	44	822,276
21	<b>Totals, 1959</b> .....	<b>1,750</b>	<b>7,136</b>	<b>2,429</b>	<b>43,074,935</b>
1960					
22	Food and beverage industries .....	492	1,748	802	11,354,803
23	Tobacco products industries .....	—	—	—	—
24	Rubber industries .....	3	3	3	3
25	Leather industries .....	9	12	3	66,364
26	Textile industries .....	20	112	27	744,797
27	Knitting mills .....	3	4	1	18,132
28	Clothing industries .....	20	61	53	626,790
29	Wood industries .....	484	693	112	2,466,425
30	Furniture and fixture industries .....	93	165	33	802,768
31	Paper and allied industries .....	22	224	71	1,698,002
32	Printing, publishing and allied industries .....	194	653	408	4,524,188
33	Primary metal industries .....	21	351	53	2,387,633
34	Metal fabricating industries (except machinery and transportation equipment industries) .....	159	927	228	5,242,844
35	Machinery industries (except electrical machinery) .....	16	64	32	386,035
36	Transportation equipment industries .....	36	364	142	2,409,680
37	Electrical products industries .....	12	43	12	253,155
38	Non-metallic mineral products industries .....	97	530	129	3,337,163
39	Petroleum and coal products industries .....	23	543	134	4,427,618
40	Chemical and chemical products industries .....	40	590	144	3,998,852
41	Miscellaneous manufacturing industries <sup>4</sup> .....	107	198	53	1,221,157
42	<b>Totals, 1960</b> .....	<b>1,848</b>	<b>7,282</b>	<b>2,437</b>	<b>45,966,406</b>

<sup>1</sup> See footnote 4, Table 2.<sup>2</sup> See footnote 2, Table 1.<sup>3</sup> Confidential. Included in "Miscellaneous manufacturing industries".



TABLE 15. Principal Statistics by Industrial Groups, 1957-60<sup>1</sup> - Concluded

Production workers			Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>2</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.			dollars			
7,821	1,851	34,260,444	12,157	44,786,125	3,546,379	257,771,411	106,286,223	370,969,101	1
—	—	—	—	—	—	—	—	—	2
s	s	s	s	s	s	s	s	s	3
43	21	163,732	83	226,530	11,036	502,809	456,705	960,910	4
128	182	1,014,588	455	1,694,275	65,317	4,407,848	3,401,919	7,750,967	5
1	22	39,242	28	57,501	1,790	79,037	88,670	167,754	6
129	878	2,226,742	1,114	2,753,685	33,130	5,944,997	5,279,598	11,230,077	7
3,385	136	9,198,865	4,449	11,881,272	979,257	27,223,909	22,285,534	50,591,366	8
604	100	2,081,426	882	2,797,748	81,889	4,731,475	4,669,691	9,421,793	9
796	97	3,983,429	1,260	5,938,522	1,438,138	18,318,883	15,876,546	35,351,409	10
1,251	289	5,899,616	2,734	10,447,767	208,439	8,036,173	20,947,248	29,071,487	11
926	1	4,201,314	1,302	6,474,292	964,848	21,658,912	17,033,706	39,158,358	12
2,716	46	10,950,101	3,775	15,718,570	563,655	29,305,978	24,753,708	54,199,861	13
133	6	492,620	190	691,846	45,208	1,556,678	1,216,184	2,711,096	14
2,652	36	10,489,912	3,194	12,842,086	204,706	13,671,719	14,531,633	28,132,324	15
137	17	535,911	206	731,286	73,970	3,334,768	2,043,157	5,084,470	16
2,164	262	9,254,977	2,937	11,836,084	2,214,465	19,874,349	30,633,397	51,829,001	17
1,093	8	5,581,128	1,804	10,003,743	3,792,462	78,602,658	30,705,828	110,238,007 <sup>5</sup>	18
1,109	27	5,123,122	1,890	8,868,496	2,856,671	18,934,523	33,453,104	55,958,693	19
354	30	1,397,573	556	2,219,849	120,244	2,076,312	4,369,504	6,577,570	20
25,442	4,009	106,894,742	39,016	149,969,677	17,201,604	516,032,439	338,032,355	869,404,244	21
7,747	1,970	35,229,417	12,267	46,584,220	3,774,442	260,242,015	104,674,592	366,920,665	22
—	—	—	—	—	—	—	—	—	23
s	s	s	s	s	s	s	s	s	24
52	19	187,225	86	253,589	10,890	522,209	537,873	1,080,404	25
109	183	1,024,825	431	1,769,622	70,318	4,259,378	3,159,870	7,504,780	26
1	21	38,642	27	56,774	1,775	79,560	92,687	174,112	27
132	899	2,424,439	1,145	3,051,229	36,326	6,612,463	5,433,054	11,767,298	28
2,754	136	8,171,706	3,695	10,638,131	895,374	24,614,555	18,874,782	44,196,502	29
597	101	2,098,104	896	2,900,872	91,548	4,566,736	4,691,905	9,270,149	30
808	95	4,064,858	1,198	5,762,860	1,271,823	18,869,657	20,383,882	41,153,060	31
1,398	335	6,398,224	2,794	10,922,412	211,151	8,466,937	21,670,888	30,386,482	32
951	2	4,505,788	1,357	6,893,421	1,089,695	32,294,771	18,678,606	50,326,496	33
2,595	55	10,838,541	3,805	16,081,385	552,749	27,754,171	28,282,311	55,983,238	34
248	11	985,635	355	1,371,670	105,332	2,583,909	2,450,500	5,055,897	35
2,449	30	10,027,118	2,985	12,436,798	265,906	11,505,155	14,582,689	26,183,431	36
128	44	548,886	227	802,041	66,095	3,292,645	3,307,661	5,906,067	37
2,540	279	10,685,702	3,478	14,022,865	2,547,986	20,602,176	33,215,695	55,995,076	38
1,059	6	5,609,373	1,742	10,036,991	4,211,635	75,094,743	31,545,978	110,646,024 <sup>5</sup>	39
1,150	19	5,809,176	1,903	9,808,028	3,290,273	20,961,129	35,324,672	58,443,795	40
454	61	1,725,463	766	2,946,620	164,920	2,586,707	6,289,899	8,664,324	41
25,172	4,266	110,373,122	39,157	156,339,528	18,658,238	524,908,916	353,197,544	889,657,800	42

<sup>1</sup> Includes "Rubber industries".<sup>2</sup> The figures for 1959 and 1960 are not comparable to those of 1957 and 1958 because of a change in the method of valuation for products in the Petroleum Refining Industry.

TABLE 16. Principal Statistics of the Individual Industries, 1960

No.	Industries	Estab- lish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
	<b>1. Food and beverage industries:</b>				
	<b>Meat products industries:</b>				
1	Slaughtering and meat packing plants .....	21	623	210	4,559,750
2	Poultry processors <sup>1</sup> .....	11	31	26	199,707
	<b>Dairy products industries:</b>				
	<b>Dairy factories:</b>				
3	Butter and cheese plants .....	81	89	107	550,976
4	Pasteurizing plants .....	36	162	162	1,080,706
5	Condenseries .....	2	25	17	173,481
6	Ice cream manufacturers .....	2			
7	Process cheese manufacturers .....	1			
	<b>Fruit and vegetable canners and preservers:</b>				
8	Fruit and vegetable canners and preservers .....	5	26	9	134,153
	<b>Grain mills:</b>				
9	Feed manufacturers .....	98	101	11	452,420
10	Flour mills .....	8	119	65	735,811
	<b>Bakery products industries:</b>				
11	Biscuit manufacturers .....	3	10	3	66,652
12	Bakeries .....	164	246	89	1,207,164
	<b>Beverage manufacturers:</b>				
13	Soft drink manufacturers .....	25	87	40	563,963
14	Breweries .....	6	100	20	737,181
	<b>Other food processors:</b>				
15	Confectionery manufacturers .....	5	6	2	24,771
16	Animal oils and fats plants .....	1			
17	Breakfast cereal manufacturers .....	2			
18	Distilleries .....	1	81	28	589,500
19	Macaroni manufacturers .....	1			
20	Sausage and sausage casing manufacturers .....	2			
21	Sugar refineries .....	3	42	13	278,588
22	Vegetable oil mills .....	2			
23	Miscellaneous foods manufacturers, n.e.s. ....	12			
24	<b>Totals</b> .....	<b>492</b>	<b>1,748</b>	<b>802</b>	<b>11,354,803</b>
25	<b>2. Tobacco products industries</b> .....	—	—	—	—
26	<b>3. Rubber industries</b> .....	3	3	3	3
	<b>4. Leather industries:</b>				
27	Leather glove factories .....	1	9	1	48,764
28	Leather tanneries .....	2			
29	Shoe factories .....	1			
30	Miscellaneous leather products manufacturers, n.e.s. ....	5	3	2	17,600
31	<b>Totals</b> .....	<b>9</b>	<b>12</b>	<b>3</b>	<b>66,364</b>
	<b>5. Textile industries:</b>				
32	Canvas products industry .....	9	15	6	101,349
33	Embroidery, pleating, hemstitching manufacturers .....	4	5	—	15,718
34	Cotton and jute bag industry .....	2	92	21	627,730
35	Synthetic textile mills .....	1			
36	Miscellaneous textiles industries, n.e.s. ....	4			
37	<b>Totals</b> .....	<b>20</b>	<b>112</b>	<b>27</b>	<b>744,797</b>
	<b>6. Knitting mills:</b>				
38	Knitting mills (other than hosiery) .....	3	4	1	18,132
39	<b>Totals</b> .....	<b>3</b>	<b>4</b>	<b>1</b>	<b>18,132</b>

<sup>1</sup> See footnote 1, Table 1.<sup>2</sup> See footnote 2, Table 1.



TABLE 16. Principal Statistics of the Individual Industries, 1960

Production workers			Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>3</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.			dollars			
2,408	597	13,294,391	3,838	17,854,141	673,234	137,899,556	32,508,892	170,682,500	1
175	233	873,189	455	1,072,896	99,770	7,939,973	1,663,310	9,738,821	2
358	34	1,109,252	588	1,660,228	303,245	20,140,078	2,852,213	23,254,832	3
1,524	94	5,756,292	1,942	6,836,998	530,846	22,225,118	9,790,934	32,498,579	4
56	16	231,945	114	405,426	57,124	3,677,026	1,372,166	4,938,560	5
									6
									7
177	116	703,055	328	837,208	91,711	2,498,094	2,362,123	5,261,525	8
235	4	777,093	351	1,229,513	214,744	8,034,695	3,362,358	11,626,229	9
455	24	1,757,987	663	2,493,798	255,915	25,212,787	9,531,650	34,886,459	10
21	50	187,664	84	254,316	22,554	655,119	573,082	1,247,794	11
1,164	597	5,600,345	2,096	6,807,509	536,521	9,239,466	12,039,295	21,812,471	12
203	40	745,974	370	1,309,937	251,682	2,482,190	5,136,328	7,847,022	13
410	—	1,854,267	536	2,591,428	214,318	4,160,489	13,301,375	17,705,373	14
5	12	33,240	25	58,011	1,717	90,401	94,472	184,193	15
									16
									17
432	77	1,634,168	618	2,223,668	368,380	10,720,038	6,620,254	16,397,238	18
									19
									20
									21
									22
118	76	670,555	249	949,143	152,681	5,266,985	3,466,140	8,839,069	23
7,747	1,970	35,229,417	12,267	46,584,220	3,774,442	260,242,015	104,674,592	366,920,665	24
—	—	—	—	—	—	—	—	—	25
3	3	3	3	3	3	3	3	3	26
36	18	134,656	64	183,420	9,940	441,816	412,504	863,793	27
16	1	52,569	22	70,169	950	80,393	125,369	216,611	28
52	19	187,225	86	253,589	10,890	522,209	537,873	1,080,404	29
									30
20	29	119,702	70	221,051	6,460	314,734	403,765	722,000	31
1	10	21,100	16	36,818	424	8,640	53,294	62,895	32
88	144	884,023	345	1,511,753	63,434	3,936,004	2,702,811	6,719,885	33
109	183	1,024,825	431	1,769,622	70,318	4,259,378	3,159,870	7,504,780	34
									35
									36
1	21	38,642	27	56,774	1,775	79,560	92,687	174,112	37
1	21	38,642	27	56,774	1,775	79,560	92,687	174,112	38
									39

<sup>3</sup> Confidential. Included in "Miscellaneous manufacturing industries".

TABLE 16. Principal Statistics of the Individual Industries, 1960 - Continued

No.	Industries	Estab- lish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
	<b>7. Clothing industries:</b>				
	Men's clothing industry:				
1	Men's clothing factories .....	9	38	36	452,765
	Women's clothing industry:				
2	Women's clothing factories .....	6	18	14	137,799
3	Fur goods industry .....	4	5	3	36,226
4	Hat and cap industry .....	1			
5	<b>Totals</b> .....	<b>20</b>	<b>61</b>	<b>53</b>	<b>626,790</b>
	<b>8. Wood industries:</b>				
6	Sawmills (including shingle mills) .....	360	361	12	642,220
7	Veneer and plywood mills .....	3	30	7	182,935
8	Sash and door and planing mills (excluding hardwood floor- ing) .....	105	272	85	1,449,939
9	Coffin and casket industry .....	7	8	1	46,153
	Miscellaneous wood industries:				
10	Wooden box factories .....	2	8	3	73,162
11	Woodenware .....	1			
12	Miscellaneous wood products, n.e.s. (including wood pre- servation) .....	6	14	4	72,016
13	<b>Totals</b> .....	<b>484</b>	<b>693</b>	<b>112</b>	<b>2,466,425</b>
	<b>9. Furniture and fixture industries:</b>				
14	Household furniture industry .....	79	120	11	479,663
15	Office furniture industry .....	14	45	22	323,105
16	Other furniture industries .....				
17	<b>Totals</b> .....	<b>93</b>	<b>165</b>	<b>33</b>	<b>802,768</b>
	<b>10. Paper and allied industries:</b>				
18	Pulp and paper mills .....	3	160	38	1,203,530
19	Asphalt roofing manufacturers .....	3			
	Paper box and bag manufacturers:				
20	Folding box and set-up box manufacturers .....	2	54	28	426,311
21	Corrugated box manufacturers .....	3			
22	Paper bag manufacturers .....	3			
23	Miscellaneous paper converters .....	8	10	5	68,161
24	<b>Totals</b> .....	<b>22</b>	<b>224</b>	<b>71</b>	<b>1,698,002</b>
	<b>11. Printing, publishing and allied industries:</b>				
	Commercial printing:				
25	Printing and bookbinding .....	75	130	55	910,160
26	Lithographing .....	15	42	23	383,595
	Engraving, stereotyping and allied industries:				
27	Engraving and duplicate plates .....	8	16	8	137,265
28	Trade composition or typesetting .....	2			
29	Publishing only .....	18	47	62	325,949
30	Printing and publishing .....	76	418	260	2,767,219
31	<b>Totals</b> .....	<b>194</b>	<b>653</b>	<b>408</b>	<b>4,524,188</b>
	<b>12. Primary metal industries:</b>				
32	Aluminum rolling casting and extruding .....	4	5	—	14,822
33	Iron foundries .....	6	29	8	294,521
34	Iron and steel mills .....	3	73	10	472,758
35	Metal rolling casting and extruding, n.e.s. ....	4	3	1	15,345
36	Copper and alloy rolling, casting and extruding .....	1	241	34	1,590,187
37	Smelting and refining .....	1			
38	Steel pipe and tube mills .....	2			
39	<b>Totals</b> .....	<b>21</b>	<b>351</b>	<b>53</b>	<b>2,387,633</b>

\* See footnote 2, Table 1.



TABLE 16. Principal Statistics of the Individual Industries, 1960 - Continued

Production workers			Total em- ployees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>d</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.	dollars					
101	750	2,049,894	925	2,502,659	27,219	5,570,041	4,803,631	9,931,788	1
23	135	317,419	190	455,218	6,976	889,809	510,049	1,555,137	2
8	14	57,126	30	93,352	2,131	152,613	119,374	280,373	3
132	899	2,424,439	1,145	3,051,229	36,326	6,612,463	5,433,054	11,767,298	4
									5
1,197	21	2,939,619	1,591	3,581,839	403,737	9,387,164	6,755,103	16,546,004 <sup>s</sup>	6
237	71	943,997	345	1,126,932	137,192	1,733,034	1,936,186	3,662,558	7
1,055	26	3,282,731	1,438	4,732,670	282,772	10,606,787	7,493,197	18,371,978	8
26	15	105,724	50	151,877	4,162	421,029	331,536	750,564	9
67	3	195,083	81	268,245	9,772	404,729	327,153	777,193	10
									11
172	—	704,552	190	776,568	57,739	2,061,812	2,031,607	4,088,205	12
2,754	136	8,171,706	3,695	10,638,131	895,374	24,614,555	18,874,782	44,196,502	13
224	35	825,683	390	1,305,346	38,726	1,595,739	1,960,621	3,558,090	14
373	66	1,272,421	506	1,595,526	52,822	2,970,997	2,731,284	5,712,059	15
									16
597	101	2,098,104	896	2,900,872	91,548	4,566,736	4,691,905	9,270,149	17
560	—	2,803,428	758	4,006,958	1,204,422	13,960,904	16,526,093	32,290,592	18
									19
209	85	1,079,725	376	1,506,036	49,942	4,478,431	3,195,620	7,755,700	20
39	10	181,705	64	249,866	17,459	430,322	662,169	1,106,768	21
808	95	4,064,858	1,198	5,762,860	1,271,823	18,869,657	20,383,882	41,153,060	22
									23
340	135	1,736,060	660	2,646,220	47,616	1,847,650	4,074,435	5,978,915	24
177	47	978,954	289	1,362,549	24,042	1,116,241	1,898,048	3,070,802	25
54	7	226,909	85	364,174	6,697	149,122	553,464	709,695	26
—	—	—	109	325,949	—	690,875	907,257	1,592,544	27
827	146	3,456,301	1,651	6,223,520	132,796	4,663,049	14,237,684	19,034,526	28
1,398	335	6,398,224	2,794	10,922,412	211,151	8,466,937	21,670,888	30,386,482	29
									30
11	1	28,119	17	42,941	1,593	44,113	76,310	119,940	31
176	—	667,098	213	961,619	53,635	1,303,691	2,226,973	3,836,213	32
288	—	1,505,919	371	1,978,677	422,718	4,126,056	3,847,057	7,886,284	33
19	1	70,763	24	86,108	9,271	388,732	252,002	603,582	34
457	—	2,233,889	732	3,824,076	602,478	26,432,179	12,276,264	37,880,477	35
									36
951	2	4,505,788	1,357	6,893,421	1,089,695	32,294,771	18,678,606	50,326,496	37
									38
									39

<sup>s</sup> Reported on a production basis.

TABLE 16. Principal Statistics of the Individual Industries, 1960 — Continued

No.	Industries	Estab- lish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
	<b>13. Metal fabricating industries (except machinery and transportation equipment industries):</b>				
1	Boiler and plate works .....	9	112	27	657,887
2	Fabricated structural metal industry .....	7	277	73	1,711,148
3	Ornamental and architectural metal industry .....	26	65	13	343,158
4	Metal stamping, pressing and coating industry .....	25	125	33	684,492
5	Wire and wire products manufacturers .....	7	13	3	133,759
6	Heating equipment manufacturers .....	6	17	3	101,309
7	Machine shops .....	68	225	56	1,223,679
8	Hardware, tool and cutlery manufacturers .....	2	93	20	387,412
9	Miscellaneous metal fabricating industries, n.e.s. ....	9			
10	<b>Totals .....</b>	<b>159</b>	<b>927</b>	<b>228</b>	<b>5,242,844</b>
	<b>14. Machinery industries (except electrical machinery):</b>				
11	Agricultural implement industry .....	7	24	9	135,151
12	Miscellaneous machinery and equipment manufacturers, n.e.s. ....	9	40	23	250,884
13	<b>Totals .....</b>	<b>16</b>	<b>64</b>	<b>32</b>	<b>386,035</b>
	<b>15. Transportation equipment industries:</b>				
14	Aircraft and parts manufacturers .....	9	174	113	1,349,460
15	Truck body and trailer manufacturers .....	16	34	10	199,606
16	Motor vehicle parts and accessories manufacturers .....	5	19	8	165,459
17	Railroad rolling stock industry .....	2	137	11	695,155
18	Boatbuilding and repairs .....	2			
19	Miscellaneous vehicles manufacturers, n.e.s. ....	2			
20	<b>Totals .....</b>	<b>36</b>	<b>364</b>	<b>142</b>	<b>2,409,680</b>
	<b>16. Electrical products industries:</b>				
21	Battery manufacturers .....	4	15	6	108,157
22	Communications equipment manufacturers .....	2	24	5	124,415
23	Manufacturers of electrical industrial equipment .....	2			
24	Manufacturers of electric wire and cable .....	1			
25	Manufacturers of miscellaneous electrical products .....	3	4	1	20,583
26	<b>Totals .....</b>	<b>12</b>	<b>43</b>	<b>12</b>	<b>253,155</b>
	<b>17. Non-metallic mineral products industries:</b>				
27	Cement manufacturers .....	3	79	18	615,369
28	Gypsum products manufacturers .....	3	15	2	43,574
29	Concrete products manufacturers .....	47	154	37	935,074
30	Ready-mix concrete manufacturers .....	12	66	17	475,149
	Clay products manufacturers:				
31	Clay products (domestic clays) .....	10	72	10	448,466
32	Clay products (from imported clays) .....	3	4	3	23,436
33	Stone products manufacturers .....	3	8	7	33,716
34	Mineral wool manufacturers .....	3	36	12	193,190
	Glass and glass products manufacturers:				
35	Glass manufacturers .....	4	64	19	413,982
36	Glass products manufacturers .....	2	17	2	87,846
37	Lime manufacturers .....	2			
38	Miscellaneous non-metallic mineral products industries, n.e.s. ....	5	15	2	67,361
39	<b>Totals .....</b>	<b>97</b>	<b>530</b>	<b>129</b>	<b>3,337,163</b>

\* See footnote 2, Table 1.



TABLE 16. Principal Statistics of the Individual Industries, 1960 - Continued

Production workers			Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>6</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.	dollars					
223	2	919,801	364	1,577,688	104,786	2,409,685	3,015,323	5,262,253	1
799	23	3,456,448	1,172	5,167,596	111,056	10,046,311	9,202,166	19,359,533 <sup>7</sup>	2
188	17	759,846	283	1,103,004	35,387	1,753,933	1,963,888	3,721,962	3
336	8	1,297,918	502	1,982,410	54,948	5,354,616	4,011,546	9,416,288	4
32	—	134,330	48	268,089	9,218	976,722	453,706	1,440,237	5
43	—	116,721	63	218,030	17,122	488,384	455,015	961,127	6
741	5	3,309,591	1,027	4,533,270	172,809	3,995,644	7,134,259	11,036,878	7
233	—	843,886	346	1,231,298	47,423	2,728,876	2,046,408	4,784,960	8
2,595	55	10,838,541	3,805	16,081,385	552,749	27,754,171	28,282,311	55,983,238	9
78	3	266,044	114	401,195	38,384	768,251	819,805	1,491,705	10
170	8	719,591	241	970,475	66,948	1,815,658	1,630,695	3,564,192	11
248	11	985,635	355	1,371,670	105,332	2,583,909	2,450,500	5,055,897	12
931	21	4,191,331	1,239	5,540,791	72,916	1,191,838	6,818,141	8,081,450 <sup>7</sup>	13
224	3	670,065	271	869,671	26,685	1,499,187	1,243,833	2,684,105	14
65	6	277,554	98	443,013	21,832	274,179	677,032	974,200	15
1,229	—	4,888,168	1,377	5,583,323	144,473	8,539,951	5,843,683	14,443,676	16
2,449	30	10,027,118	2,985	12,436,798	265,906	11,505,155	14,582,689	26,183,431	17
69	9	276,589	99	384,746	49,070	1,608,437	1,113,504	2,900,520	18
46	29	220,092	104	344,507	12,802	1,497,063	2,128,106	2,800,250	19
13	6	52,205	24	72,788	4,223	187,145	66,051	205,297	20
128	44	548,886	227	802,041	66,095	3,292,645	3,307,661	5,906,067	21
339	—	1,645,334	436	2,260,703	1,228,145	1,331,225	8,947,200	11,893,305	22
144	—	538,918	161	582,492	104,853	1,950,459	1,600,908	3,543,376	23
590	1	2,070,074	782	3,005,148	271,554	4,462,327	7,104,988	11,702,591	24
382	1	1,756,658	466	2,231,807	307,300	7,557,332	4,828,905	12,695,412	25
419	2	1,416,583	503	1,865,049	250,425	131,249	3,353,754	3,551,682	26
29	35	143,586	71	167,022	7,729	97,315	306,734	314,208	27
25	4	84,646	44	118,362	8,449	158,215	287,521	454,185	28
87	1	343,344	136	536,534	109,721	701,854	893,743	1,566,239	29
391	222	2,162,226	696	2,576,208	92,691	3,398,463	4,824,496	8,244,295	30
87	12	324,000	118	411,846	101,546	300,772	669,971	1,073,229	31
47	1	200,333	65	267,694	65,573	512,965	397,475	956,554	32
2,540	279	10,685,702	3,478	14,022,865	2,547,986	20,602,176	33,215,695	55,995,076	33

<sup>7</sup> Reported on a production basis.

TABLE 16. Principal Statistics of the Individual Industries, 1960 - Concluded

No.	Industries	Estab- lish- ments	Administrative and office employees		
			Male	Female	Salaries
			number		\$
	<b>18. Petroleum and coal products industries:</b>				
1	Petroleum refining .....	11	531	131	4,364,397
2	Manufacturers of lubricating oils and greases .....	2			
3	Miscellaneous petroleum and coal products, industries n.e.s. ....	10	12	3	63,221
4	<b>Totals</b> .....	<b>23</b>	<b>543</b>	<b>134</b>	<b>4,427,618</b>
	<b>19. Chemical and chemical products industries:</b>				
5	Manufacturers of plastics and synthetic resins .....	4	165	42	1,229,997
6	Paint and varnish manufacturers .....	3	3	1	9,259
7	Manufacturers of soap and cleaning compounds .....	5	9	2	28,496
8	Manufacturers of industrial chemicals .....	11	354	83	2,362,562
	Other chemical industries:				
9	Explosives and ammunition manufacturers .....	1			
10	Manufacturers of pharmaceuticals and medicines .....	3	33	7	222,279
11	Manufacturers of printing inks .....	2			
12	Miscellaneous chemical industries, n.e.s. ....	11	26	9	146,259
13	<b>Totals</b> .....	<b>40</b>	<b>590</b>	<b>144</b>	<b>3,998,852</b>
	<b>20. Miscellaneous manufacturing industries:</b>				
	Scientific and professional equipment manufacturers:				
14	Instruments and related products manufacturers .....	3	6	—	25,886
15	Ophthalmic goods manufacturers .....	3	3	1	15,456
16	Dental laboratories <sup>a</sup> .....	24	37	4	231,735
17	Jewellery and silverware manufacturers .....	3	4	1	23,800
18	Venetian blind manufacturers .....	4	4	1	13,701
19	Plastic fabricators, n.e.s. ....	14	24	9	124,351
20	Signs and displays industry .....	37	83	24	570,257
21	Stamp and stencil (rubber and metal) manufacturers ....	3	2	3	18,200
22	Artificial ice manufacturers .....	2			
23	Broom, brush and mop industry .....	2			
24	Candle manufacturers .....	1			
25	Fountain pen and pencil manufacturers .....	1			
26	Fur dressing and dyeing industry .....	1			
27	Model and pattern manufacturers .....	1			
28	Orthopaedic and surgical appliances manufacturers ....	2	35	10	197,771
29	Sporting goods industry .....	1			
30	Statuary art goods, regalia and novelties manufacturers ..	1			
31	Miscellaneous industries, n.e.s. ....	1			
32	Rubber tire and tube manufacturers .....	1			
33	Miscellaneous rubber goods industries n.e.s. ....	2			
34	<b>Totals<sup>10</sup></b> .....	<b>107</b>	<b>198</b>	<b>53</b>	<b>1,221,157</b>
35	<b>Grand totals</b> .....	<b>1,848</b>	<b>7,282</b>	<b>2,437</b>	<b>45,966,406</b>

<sup>a</sup> See footnote 2, Table 1.<sup>10</sup> See footnote 4, Table 2.



TABLE 16. Principal Statistics of the Individual Industries, 1960 - Concluded

Production workers			Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>a</sup>	Selling value of factory shipments	No.
Male	Female	Wages							
number		\$	No.			dollars			
1,016	6	5,457,685	1,684	9,822,082	4,160,309	72,965,276	30,816,811	107,747,089 <sup>11</sup>	1
43	—	151,688	58	214,909	51,326	2,129,467	729,167	2,898,935	2
1,059	6	5,609,373	1,742	10,036,991	4,211,635	75,094,743	31,545,978	110,646,024	3
									4
288	3	1,683,807	498	2,913,804	699,245	7,962,748	10,999,994	19,216,317	5
12	1	41,681	17	50,940	3,927	274,219	178,448	461,330	6
11	6	42,485	28	70,981	7,659	473,977	390,959	917,731	7
702	9	3,419,541	1,148	5,782,103	2,504,209	10,174,565	21,175,611	33,103,165	8
95	—	506,870	135	729,149	62,230	1,349,016	2,044,853	3,490,749	9
42	—	114,792	77	261,051	13,003	726,604	534,807	1,254,503	10
1,150	19	5,809,176	1,903	9,808,028	3,290,273	20,961,129	35,324,672	58,443,795	11
									12
7	—	36,957	13	62,843	2,526	77,287	103,267	213,200	13
14	3	37,569	21	53,025	1,739	74,698	85,220	163,665	14
40	22	170,977	103	402,712	5,868	159,562	523,630	689,128	15
8	—	30,875	13	54,675	606	28,380	85,171	114,026	16
6	4	23,826	15	37,527	2,357	58,231	53,115	113,703	17
44	7	158,961	84	283,312	24,413	419,011	459,123	850,310	18
239	17	944,269	363	1,514,526	80,892	904,823	2,995,371	3,977,559	19
12	—	42,165	17	60,365	1,750	45,285	130,804	177,769	20
									21
									22
									23
									24
									25
84	8	279,864	137	477,635	44,769	819,430	1,854,198	2,364,964	26
									27
									28
									29
									30
									31
									32
									33
454	61	1,725,463	766	2,946,620	164,920	2,586,707	6,289,899	8,664,324	34
25,172	4,266	110,373,122	39,157	156,339,528	18,658,238	524,908,916	353,197,544	889,657,800	35

<sup>10</sup> Includes "Rubber industries".<sup>11</sup> Reported on a production basis.

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