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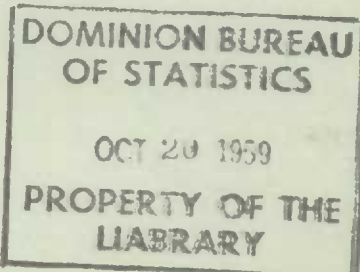
CANADA

THE MANUFACTURING INDUSTRIES OF CANADA

Section D

PROVINCE OF ONTARIO

1958



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PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry and summary reports which are released each year as the compilations are completed. The summary reports for the **Manufacturing Industries** are listed below. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

Catalogue number	Title	Price
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the Information Services Division, Dominion Bureau of Statistics,
or to the Queen's Printer, Ottawa, Canada.*

EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1958 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. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

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 1958, 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, warehousing 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 of 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.¹

Standard Industrial Classification

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Short Forms

Prior to 1949 all manufacturing firms, regardless of size, were required to complete a standard form annually covering all census details, but for later years an effort was made to ease the reporting burden for smaller firms which usually do not maintain regular records in the required detail. A modified or short form was introduced in 1949 asking for the total value of shipments only, or in industries with a large number of small firms, for total value of shipments and quantities and values of a few principal products. Using the ratio of value of shipments in the current year to value of shipments in the base year, 1948, estimates of other census data were made for each plant for inclusion in the regular compilations. In general, the cut-off point for short forms was set at \$50,000 gross value of shipments annually, but there were lower cut-offs for a number of industries in which the small firms accounted for a larger share of total shipments. About 40 per cent of the total number of establishments reported on the modified or short form. They accounted for less than 3 per cent of the total value. In 1958, to establish a new base year, the small firms were again asked to report data on employees, salaries and wages, and other principal statistics together with some detail on material and products.

¹ 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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THE MANUFACTURING INDUSTRIES OF CANADA

Section D

PROVINCE OF ONTARIO

1958

The downturn in manufacturing production which began in the fall of 1957 continued throughout 1958. Ontario being the largest producer of durable goods which are more affected by changes in the business cycle was consequently affected more than any other province, with the exception of Nova Scotia which reported a greater decline in operations than Ontario. The selling value of factory shipments which amounted to \$10,864,028,332 was 1.9 p.c. lower than the previous year when shipments were the highest on record. Accompanying the decrease in the value of shipments was a drop of 5.8 p.c. in the number of persons employed as compared with a drop of only 5.1 p.c. for Canada as a whole. Salaries and wages at \$2,412,654,652 were only fractionally lower while value added by manufacture at \$4,914,073,665 was 2.6 p.c. lower than in 1957. Although the selling value of factory shipments in 1958 exceeded the 1953 figure by 22 p.c., the number of persons employed was 4.4 p.c. lower. This result conforms to the trend in recent years for employment to increase at a lower rate than the volume of production. With the increase in automation and technological improvements this trend will in all probability continue at an accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 39.1 p.c. in the volume of production as compared with an increase of only 10.2 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no direct comparison can be made for Ontario. As Ontario produces about 50 p.c. of the Canada total there is no doubt that the trend in Ontario was similar to that for Canada as a whole.

Ontario, which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Here, the proximity of raw materials, cheap hydro-electric power, and a strategic location in relation to export markets, not only on this continent but overseas, have been the decisive factors in the development of Ontario to its present industrial position. Most of the manufactures of the province and most of its population are located in Southern Ontario. This area has the inestimable advantage of bordering on the St. Lawrence-Great Lakes waterway system which gives access westward to the heart of the continent and eastward to the shipping routes of the world, and which is also the source of most of Ontario's hydro-electricity. Many new industrial areas are being created as new industries and branch plants of established industries are increasingly being located in the smaller towns.

As Ontario is a major producer of durable goods, such as transportation equipment, primary iron and steel, telecommunication equipment and heavy electrical machinery, it therefore experiences wider fluctuations in manufacturing production than provinces producing nondurable or consumer goods. As a result, the small downturn of 1954 was more keenly felt by Ontario manufacturers. Factory shipments in that year were 3.9 p.c. lower as compared with a drop of 1.3 p.c. for Canada as a whole, while in employment the drop in Ontario was 5.6 p.c. while for Canada it was 4.5 p.c. Conversely, with the improvement during the past three years Ontario in 1957 reported an increase of 29.8 p.c. in factory shipments and 7.6 p.c. in employment as compared with 1954. This compares with increases of 26.4 p.c. and 7.2 p.c. for Canada as a whole. The minor depression of 1958 followed the usual pattern. In comparing employment and shipments with 1957 it is found that in employment Ontario manufacturers suffered a loss of 5.8 p.c. as compared with 5.1 p.c. for Canada as a whole, while in the case of shipments the declines were 1.9 and 0.1 p.c. respectively.

On the basis of employment provided, the durable goods industries in 1958 contributed 313,389 or 51.7 p.c. of the total manufacturing employment in Ontario, while the non-durable or consumer goods industries contributed the balance of 292,973 or 48.3 p.c. of the total. Iron and steel is the leading group in the durable goods sector with 112,979 employees in 1958. It was followed by the transportation equipment group with 72,703, electrical apparatus and supplies 49,991, wood products 32,494, non-ferrous metal products 24,653 and non-metallic mineral products 20,569. In the non-durable goods sector the industries producing foods and beverages with 78,230 employees comprised the major group. This was followed by printing, publishing and allied industries with 36,209, paper products 35,947, chemicals and allied products 27,327, textiles 24,798, clothing 23,096, miscellaneous industries 21,813, rubber goods 14,167, leather and leather products 12,832, knitting mills 8,710, products of petroleum and coal 7,154, and tobacco and tobacco products 2,690.

As mentioned previously, manufacturing employment in Ontario declined by 5.8 p.c. in 1958 as compared with the previous year. Producers of non-durable goods reported a drop of 2.6 p.c. while producers of durable goods in which Ontario predominates reported a drop of 9.7 p.c. All of the groups in the durable goods sector, with the exception of non-metallic mineral products, reported declines in

employment, with the transportation equipment group reporting the greatest loss of 11.5 p.c. Employment in the non-metallic mineral products group on the other hand was 2.4 p.c. higher. In the non-durable goods sector the trend of employment was mixed; three groups reporting increases and nine groups declines. Tobacco and tobacco products had an increase in employment of 43.6 p.c., miscellaneous industries 3.6 p.c. and chemicals and allied products 1.8 p.c. For the nine groups reporting lower employment the losses ranged between 11.0 p.c. for knitting mills to 1.3 p.c. for paper and paper products.

Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance and in 1958 produced about 49 per cent of the nation's manufactured goods. A vast increase of steel ingot capacity is being made possible by developments of Steep Rock Iron Mines. At Sarnia, huge investments have gone into the construction of new plant for a whole group of new products based on Alberta oil flowing through the Edmonton-Superior pipe line. Other significant developments are taking place in synthetic rubber, synthetic textiles, and industrial and consumer chemicals. Ontario has continued to gain in such traditional lines as motor vehicles, industrial and farm machinery, and the manufacture of household equipment. The same may be said of other "hard" goods like business and office machinery and electrical apparatus and supplies. Numerous plants making aircraft components and building materials have favoured the Toronto area, while chemical and synthetic textile plants have been rising in the vicinity of Sarnia and along the lower reaches of the St. Lawrence River between Cornwall and Kingston.

Ontario has the greatest diversification of manufacturing production of any province. Certain industries, such as the manufacture of motor vehicles, motor vehicle parts, heavy electrical machinery, agricultural implements, machine tools, starch and glucose, and the processing of raw tobacco are carried on practically in this province alone. Of the forty leading industries in Canada in 1958, a substantial number of them were dominated by Ontario's share of the total production. These industries, with the percentage which the production of each bears to that of the 1958 Canada totals are as follows: motor vehicles 98.6, motor vehicle parts 94.5, heavy electrical machinery 90.1, rubber goods 82.1, primary iron and steel 77.4, telecommunications equipment 75.9, iron castings 68.5, fruit and vegetable preparations 68.0, industrial machinery 63.3, miscellaneous chemical products 62.6, brass and copper products 60.0, sheet metal products 59.3, printing and bookbinding 58.0, aircraft and parts 53.5, acids, alkalies and salts 52.6, boxes and bags, paper 49.8, printing and publishing 48.4, furniture 48.3, miscellaneous electrical apparatus and supplies 48.0, synthetic textiles 45.8, stock and poultry feeds 44.0, and non-ferrous metal smelting and refining 37.6.

There are also a number of medium-sized industries with a total Canadian production of over \$100,000,000 in which Ontario dominates. In this group are: agricultural implements with 91.7 p.c., soaps and washing compounds 89.0, household and office machinery 81.1, refrigerators, vacuum cleaners, etc. 77.0, hardware, tools and cutlery 72.6, heating and cooking apparatus 68.9, boilers, tanks and plate work 60.7, confectionery 57.6, and knitted goods, other than hosiery 44.3 p.c.

In addition, Ontario dominated many of the smaller industries in 1958 as indicated by the following percentages of the Canadian total. In this category were: machine tools 100.0, starch and glucose 97.4, tobacco processing and packing 96.2, miscellaneous non-ferrous metal products 92.9, bicycles 92.6, prepared breakfast foods 90.6, wine 88.4, leather tanneries 86.1, typewriter supplies 85.8, cordage, rope and twine 78.7, sporting goods 77.5, automobile accessories, fabric 76.6, toys and games 75.7, artificial abrasives 74.8, jewellery and silverware 73.7, white metal alloys 73.6, wool yarn 70.8, batteries 70.1, carpets, mats and rugs 68.6, feed mills 67.3, aluminum products 59.4, animal oils and fats 54.9, hosiery 40.3, etc.

Establishments reporting in 1958 numbered 13,276. They furnished employment to 606,362 persons who were paid \$2,412,654,652 in salaries and wages, and spent \$5,704,319,497 for materials used. The value added by manufacture which is the calculated value of production less the cost of materials used, including the cost of fuel and electricity, amounted to \$4,914,073,665, while the selling value of factory shipments totalled \$10,864,028,332.

The value added is obtained by subtracting the cost of materials, including fuel and electricity, from the gross value of products. The difference represents the value added to the materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, interest and profits.

To calculate the value of production, it is necessary to adjust the value of shipments for the difference in the opening and closing inventories of finished goods and goods in process. As the census of industry schedules for 1952 and 1953 did not contain data on opening and closing inventories, no calculation can be made directly for value of production. For these two years, therefore, the value added is obtained by subtracting from the shipments the cost of materials, including fuel and electricity. The value thus obtained is somewhat different to the actual value. For 1954 and 1955 value of production figures were obtained by adjusting shipments for inventory change of finished goods only, while for 1956 and subsequent years value of production figures were adjusted for inventory changes in both finished goods as well as goods in process. The figures for value added for 1956 and subsequent years are, therefore, comparable with 1951 and earlier years.

TABLE 1. Principal Statistics of the Manufacturing Industries, by Provinces, 1958

Provinces	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
	number		dollars			
Newfoundland	768	9,604	29,233,569	52,156,291	58,044,514	116,979,200
Prince Edward Island	179	1,632	3,389,985	19,203,457	7,266,497	26,887,728
Nova Scotia	1,297	29,010	86,005,553	217,263,603	176,997,949	411,929,247
New Brunswick	939	20,744	61,077,171	170,560,975	130,668,021	312,021,817
Quebec	11,828	429,358	1,476,605,908	3,597,784,845	2,970,774,755	6,754,798,278
Ontario	13,276	606,362	2,412,654,652	5,704,319,497	4,914,073,665	10,864,028,332
Manitoba	1,634	42,382	142,859,485	397,453,172	284,367,542	694,051,323
Saskatchewan	970	12,283	43,228,392	198,833,974	123,394,168	331,298,441
Alberta	1,762	37,860	140,135,179	495,311,847	339,439,455	848,251,994
British Columbia	4,072	100,222	406,628,209	965,939,626	786,620,211	1,798,960,459
Yukon and Northwest Territories	16	145	678,157	2,740,184	859,154	3,979,489
Canada	36,741	1,289,602	4,802,496,260	11,821,567,471	9,792,505,931	22,163,186,308

¹ See footnote below.

TABLE 2. Principal Statistics Compared, 1957 and 1958

Principal statistics	1957	1958	+ Increase - Decrease
Establishments No.	13,580	13,276	- 304
Administrative and office employees:			
Male "	112,853	110,994	- 1,859
Female "	46,914	45,721	- 1,193
Salaries \$	743,110,040	779,108,028	+ 35,997,988
Production workers:			
Male No.	389,755	359,381	- 30,374
Female "	94,723	90,266	- 4,457
Wages \$	1,687,566,424	1,633,546,624	- 54,019,800
Cost of fuel and electricity \$	246,825,902	241,899,519	- 4,926,383
Cost at plant of materials used \$	5,827,317,500	5,704,319,497	-122,998,003
Value added by manufacture ¹ \$	5,047,710,789	4,914,073,665	-133,637,124
Selling value of factory shipments \$	11,078,592,683	10,864,028,332	-214,564,351

¹ 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. (See text, page 8).

TABLE 3. Principal Statistics of the Manufacturing Industries, 1931 - 58

Year	Estab- lish- ments	Capital	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Gross value of products ²
	No.	\$	No.	dollars			
1931	9,546	1,811,379,155	257,601	297,214,788	597,121,355	624,809,456	1,257,449,583
1932	9,230	1,660,299,740	227,859	241,163,008	459,279,685	481,979,742	971,521,866
1933	9,542	1,587,947,947	224,816	220,530,088	464,544,563	465,103,842	958,776,858
1934	9,698	1,560,415,973	248,761	256,970,207	609,875,050	562,399,245	1,205,418,094
1935	9,636	1,542,657,257	270,449	289,982,198	717,862,532	609,641,993	1,363,185,363
1936	9,753	1,588,484,130	288,992	314,872,843	822,884,081	686,470,917	1,547,551,931
1937	9,796	1,674,806,201	321,743	373,018,048	1,025,871,741	804,703,114	1,880,388,188
1938	9,883	1,676,896,175	311,274	362,351,277	909,958,721	757,620,632	1,712,496,421
1939	9,824	1,762,571,669	318,871	378,376,209	907,011,461	791,428,569	1,745,674,707
1940	10,040	1,988,461,940	372,643	479,399,188	1,236,738,529	1,004,529,583	2,302,014,654
1941	10,250	2,336,788,884	468,230	660,722,278	1,683,912,216	1,360,055,756	3,121,756,568
1942	10,711	2,632,519,471	542,958	840,783,705	2,056,746,983	1,671,130,314	3,817,396,404
1943	10,587	2,994,953,988	570,017	956,399,212	2,278,871,511	1,844,651,587	4,221,101,063
1944	10,730	Not collected	564,392	975,038,060	2,310,347,858	1,930,043,913	4,339,797,784
1945	10,869	"	518,056	883,483,387	2,148,290,603	1,720,938,199	3,965,069,021
1946	11,424	"	498,120	845,216,547	2,001,900,592	1,659,284,622	3,754,523,701
1947	11,860	"	537,581	1,037,976,714	2,651,697,573	2,136,014,184	4,903,472,526
1948	12,118	"	551,556	1,210,438,044	3,118,084,345	2,486,007,774	5,742,269,854
1949	12,951	"	557,180	1,305,544,434	3,256,454,918	2,708,554,013	6,103,804,834
1950	12,809	"	566,513	1,412,999,146	3,598,821,495	3,068,141,837	6,822,953,981
1951	13,025	"	599,433	1,669,386,982	4,334,394,367	3,569,400,065	8,074,731,217
1952	13,172	"	609,696	1,844,186,405	4,387,431,403	3,811,106,576	8,372,173,626
1953	13,114	"	634,554	2,017,982,218	4,560,134,562	4,130,126,462	8,876,504,990
1954	13,178	"	598,914	1,954,767,388	4,412,536,948	3,930,730,030	8,533,167,214
1955	13,276	"	613,872	2,088,905,627	5,014,225,423	4,426,654,771	9,617,642,961
1956	13,215	"	641,190	2,310,634,396	5,683,753,088	4,868,570,251	10,655,098,620
1957	13,580	"	644,245	2,430,676,464	5,827,317,500	5,047,710,789	11,078,592,683
1958	13,276	"	606,362	2,412,654,652	5,704,319,497	4,914,073,665	10,864,028,332

¹ In 1951 and previous years the value added by manufacture is computed by subtracting the cost of fuel, electricity and materials from the gross value of products. For years 1952 and 1953 the deduction is made from the value of factory shipments and in 1954 and subsequent years 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 1, Table 2, page 9).

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

TABLE 4. Principal Statistics of the Forty Leading Industries, 1958

No.	Industries	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments
		number		dollars			
1	Motor vehicles	8	25,478	126,108,526	565,227,943	248,281,580	835,537,065
2	Primary iron and steel	19	21,249	109,585,754	196,541,814	235,796,736	456,943,390
3	Pulp and paper	41	20,218	97,642,362	201,972,570	215,632,245	447,108,816
4	Non-ferrous metal smelting and refining	10	8,636	41,189,632	246,135,300	166,188,347	426,897,001 ²
5	Slaughtering and meat packing	65	9,367	39,864,885	317,936,921	75,715,253	395,608,125
6	Petroleum products	14	5,337	29,374,546	255,695,530	120,861,674	393,461,530 ²
7	Motor vehicle parts	120	16,730	72,697,592	148,341,510	125,378,377	279,562,626
8	Rubber goods, including footwear ..	46	14,167	57,433,010	105,101,144	145,191,493	253,309,301
9	Aircraft and parts	36	21,415	100,433,598	98,778,008	145,645,596	247,216,481 ²
10	Machinery, heavy, electrical	57	18,112	89,496,349	85,438,086	127,676,661	220,574,652
11	Sheet metal products	240	11,390	47,661,750	104,468,192	91,067,411	197,589,106
12	Machinery, industrial	227	14,004	59,204,935	85,048,458	109,115,550	196,884,329
13	Fruit and vegetable preparations ..	176	10,305	30,217,360	119,949,696	70,122,980	188,242,952
14	Butter and cheese	401	7,974	28,617,941	135,824,336	43,265,903	184,560,093
15	Telecommunication equipment	89	12,748	46,759,244	91,493,301	90,442,869	180,742,858
16	Castings, iron	86	9,515	39,284,749	94,033,885	74,831,392	173,635,775
17	Miscellaneous electrical apparatus and supplies	107	11,254	44,205,292	84,692,677	82,329,602	167,095,053
18	Printing and publishing	285	14,005	61,661,813	41,487,919	115,694,641	158,534,110
19	Printing and bookbinding	782	13,996	54,905,828	57,391,225	91,823,128	149,839,124
20	Furniture	720	14,882	48,482,990	70,133,600	76,865,404	149,132,186
21	Bread and other bakery products ..	845	14,927	46,423,539	65,627,595	72,465,083	142,759,435
22	Miscellaneous food preparations ..	112	4,554	17,267,357	88,098,048	52,652,320	142,248,450
23	Boxes and bags, paper	107	8,417	30,772,813	83,484,777	54,017,230	138,058,721
24	Acids, alkalies and salts	30	5,140	25,623,478	62,042,001	62,058,827	137,203,754
25	Miscellaneous chemical products ..	128	5,766	26,928,224	64,908,954	64,041,968	136,051,748
26	Agricultural implements	27	10,030	44,105,299	72,126,603	54,544,585	122,111,559
27	Miscellaneous paper products	105	6,852	25,266,990	64,387,295	55,128,973	120,298,105
28	Soaps, washing compounds and cleaning preparations	67	3,155	14,684,826	48,854,609	68,333,655	117,484,774
29	Hardware, tools and cutlery	308	9,861	38,531,021	39,149,367	74,524,036	114,925,346
30	Refrigerators, vacuum cleaners and appliances	55	6,397	25,672,123	53,637,895	54,184,851	111,878,801
31	Feeds, stock and poultry, prepared ..	352	2,768	8,891,945	82,595,504	27,013,870	110,746,228
32	Machinery, household, office and store	45	5,988	25,612,015	49,990,976	57,988,962	110,311,401
33	Brass and copper products	90	5,613	22,836,458	63,560,558	42,957,173	105,842,600
34	Tobacco processing	10	1,522	4,187,372	94,644,572	9,174,664	104,100,475 ²
35	Railway rolling stock	12	4,601	20,234,674	63,960,801	32,484,002	97,325,369 ²
36	Breweries	18	2,798	14,071,473	21,817,722	70,161,885	94,152,129
37	Distilled liquors	9	2,199	8,983,244	28,636,954	61,424,078	89,056,493
38	Heating and cooking apparatus	67	5,434	21,745,155	45,351,182	42,492,552	89,038,305
39	Flour mills	40	1,778	6,712,311	70,972,443	15,346,301	87,346,778
40	Wire and wire goods	79	5,487	23,284,214	46,597,699	37,796,510	86,556,735
	Totals, leading industries	6,035	394,069	1,676,662,687	4,316,137,670	3,460,718,367	7,959,971,779
	Totals, all industries	13,276	606,362	2,412,654,652	5,704,319,497	4,914,073,665	10,864,028,332

¹ See footnote 1, Table 2, page 9.² Reported on a production basis.

TABLE 5. Principal Statistics by Industrial Groups, 1957 and 1958

No.	Industrial group	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
	1957							
1	Foods and beverages	3,206	11,501	5,408	68,672,745	46,535	16,173	188,950,149
2	Tobacco and tobacco products	17	230	55	1,412,701	726	862	3,968,985
3	Rubber products	46	2,877	1,226	19,033,384	9,605	1,971	43,474,855
4	Leather products	223	1,134	577	7,920,962	6,708	4,655	28,582,936
5	Textiles	380	3,535	1,696	23,119,945	13,202	8,712	61,014,403
6	Knitting mills	123	610	583	4,916,673	2,406	6,193	18,455,536
7	Clothing	695	2,266	1,555	15,917,924	6,701	14,189	48,030,343
8	Wood products	2,384	5,168	1,451	24,687,118	26,290	2,256	79,451,739
9	Paper products	265	5,039	2,250	38,907,300	24,808	4,326	112,548,677
10	Printing, publishing and allied industries ..	1,878	8,606	5,586	56,794,004	18,024	5,060	88,354,990
11	Iron and steel products	1,555	20,963	7,700	139,060,976	89,939	4,999	379,536,611
12	Transportation equipment	263	17,566	4,948	115,326,322	56,694	2,919	235,501,196
13	Non-ferrous metal products	309	4,178	1,444	28,061,895	20,188	1,950	86,044,232
14	Electrical apparatus and supplies	312	13,474	5,011	87,792,034	25,874	10,263	128,941,852
15	Non-metallic mineral products	547	3,268	1,076	21,267,759	14,735	1,009	57,242,560
16	Products of petroleum and coal	33	2,427	923	18,221,552	4,014	32	19,364,509
17	Chemicals and allied products	554	6,425	3,488	47,671,209	13,943	2,980	63,511,007
18	Miscellaneous industries	790	3,586	1,937	24,325,537	9,363	6,174	44,591,844
19	Totals, 1957	13,580	112,853	46,914	743,110,040	389,755	94,723	1,687,566,424
	1958							
20	Foods and beverages	3,129	11,313	5,369	74,523,221	45,796	15,752	198,673,928
21	Tobacco and tobacco products	17	324	97	2,355,511	1,094	1,175	6,337,596
22	Rubber products	46	2,771	1,126	18,210,897	8,600	1,670	39,222,113
23	Leather products	212	1,117	601	8,100,324	6,471	4,643	28,831,099
24	Textiles	378	3,519	1,617	23,695,626	12,129	7,533	56,197,124
25	Knitting mills	123	489	483	4,551,693	2,146	5,592	17,288,387
26	Clothing	671	2,149	1,428	15,599,479	6,237	13,282	46,909,416
27	Wood products	2,157	4,850	1,404	24,125,420	24,029	2,211	75,952,417
28	Paper products	258	5,034	2,184	41,013,226	24,494	4,235	114,515,671
29	Printing, publishing and allied industries ..	1,829	8,109	5,549	59,620,259	17,637	4,914	91,864,144
30	Iron and steel products	1,644	20,752	7,619	146,608,963	79,925	4,683	347,850,076
31	Transportation equipment	265	16,710	4,562	116,140,329	48,913	2,518	219,919,645
32	Non-ferrous metal products	320	4,177	1,447	30,177,270	17,061	1,968	73,954,293
33	Electrical apparatus and supplies	320	13,170	4,609	91,651,881	22,357	9,855	120,571,454
34	Non-metallic mineral products	529	3,509	1,088	23,644,003	14,974	998	61,626,285
35	Products of petroleum and coal	32	2,492	980	19,378,937	3,653	29	18,108,726
36	Chemicals and allied products	555	6,448	3,443	50,819,589	14,389	3,047	68,740,397
37	Miscellaneous industries	791	4,061	2,115	28,891,400	9,476	6,161	46,983,853
38	Totals, 1958	13,276	110,994	45,721	779,108,028	359,381	90,266	1,633,546,624

¹ See footnote 1, Table 2, page 9.

TABLE 5. Principal Statistics by Industrial Groups, 1957 and 1958

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments	No.
number	dollars					
79,617	257,622,894	28,131,456	1,060,346,305	653,637,813	1,719,892,062	1
1,873	5,381,686	258,574	66,017,132	13,217,380	79,452,268	2
15,679	62,508,239	3,950,784	117,970,608	144,355,550	265,798,148	3
13,074	36,503,898	1,450,120	59,652,669	55,713,712	115,169,113	4
27,145	84,134,348	6,607,134	169,779,230	143,565,982	312,983,411	5
9,792	23,372,209	932,842	40,447,039	37,317,071	77,552,436	6
24,711	63,948,267	993,762	98,366,838	102,106,861	199,876,832	7
35,165	104,138,857	4,959,083	175,790,936	162,976,014	343,907,186	8
36,423	151,455,977	33,516,394	344,831,558	321,715,245	695,515,396	9
37,276	145,148,994	3,066,547	132,153,843	249,434,610	383,786,215	10
123,601	518,597,587	45,890,562	909,064,544	982,213,763	1,933,767,733	11
82,127	350,827,518	14,720,916	996,500,393	624,420,336	1,638,518,519	12
27,760	114,106,127	24,651,893	508,557,666	339,577,559	873,320,832	13
54,622	216,733,886	6,584,722	343,522,935	405,419,816	759,921,341	14
20,088	78,510,319	24,831,426	105,694,829	179,576,217	310,658,288	15
7,396	37,586,061	18,135,300	277,791,618	145,935,087	441,814,132	16
26,836	111,182,216	25,464,966	329,778,344	352,476,904	702,383,835	17
21,060	68,917,381	2,679,421	91,051,013	134,050,869	224,274,936	18
644,245	2,430,676,464	246,825,902	5,827,317,500	5,047,710,789	11,078,592,683	19
78,230	273,197,149	28,916,067	1,159,931,029	674,074,262	1,854,772,277	20
2,690	8,693,107	343,163	107,811,261	21,549,596	129,380,016	21
14,167	57,433,010	3,898,352	105,101,144	145,191,493	253,309,301	22
12,832	36,931,423	1,418,928	63,069,124	56,446,306	121,339,579	23
24,798	79,892,750	6,507,638	152,093,449	138,306,507	300,319,924	24
8,710	21,840,080	841,333	37,991,031	36,631,645	74,282,536	25
23,096	62,508,895	894,052	95,239,092	99,829,962	196,457,761	26
32,494	100,077,837	4,777,961	170,367,358	160,922,317	335,916,938	27
35,947	155,528,897	33,653,740	355,990,957	329,249,095	715,800,590	28
36,209	151,484,403	3,060,512	133,584,911	265,035,883	401,075,663	29
112,979	494,459,039	40,003,149	842,998,138	916,810,635	1,802,728,575	30
72,703	336,059,974	13,557,303	891,788,472	580,882,660	1,504,740,337	31
24,653	104,131,563	18,900,988	393,553,179	274,732,884	683,423,641	32
49,991	212,223,335	6,200,475	330,873,705	365,895,233	708,050,236	33
20,569	85,270,288	26,145,790	108,789,010	195,575,266	327,348,231	34
7,154	37,487,663	20,228,858	299,907,424	137,162,049	457,314,090	35
27,327	119,559,986	29,888,806	350,199,306	374,548,476	750,576,807	36
21,813	75,875,253	2,662,404	105,030,907	141,229,396	247,191,830	37
606,362	2,412,654,652	241,899,519	5,704,319,497	4,914,073,665	10,864,028,332	38

TABLE 6. Principal Statistics of the Individual Industries, 1958

No.	Industries	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
1. Foods and beverages:								
Bakery products:								
1	Biscuits	12	164	113	1,268,650	691	1,252	5,261,808
2	Bread and other bakery products	845	1,348	489	6,737,268	9,712	3,378	39,686,271
Beverages:								
3	Breweries	18	629	219	5,299,191	1,935	15	8,772,282
4	Carbonated beverages	169	729	325	5,112,699	1,667	97	5,207,444
5	Distilled liquors	9	313	158	2,278,145	1,146	582	6,705,099
6	Wines	12	100	50	990,854	265	36	1,104,527
Canning and processing:								
7	Fruit and vegetable preparations	176	1,343	837	9,680,407	4,220	3,905	20,536,953
Dairy products:								
8	Butter and cheese	401	1,187	658	6,784,585	5,786	343	21,833,356
9	Cheese, process	7	57	17	264,696	114	159	756,873
10	Concentrated milk products	15	143	57	864,935	732	56	2,674,330
11	Dairy products, other	15	41	13	268,727	93	46	340,689
12	Milk pasteurizing	370	739	278	4,047,198	4,335	99	15,991,238
Grain mill products:								
13	Feeds, stock and poultry, prepared	352	623	218	3,032,062	1,867	60	5,859,883
14	Feed mills	357	365	48	963,999	623	1	1,531,613
15	Flour mills	40	354	193	2,329,867	1,191	40	4,382,444
16	Foods, breakfast	6	135	92	1,105,868	651	337	3,776,032
Meat products:								
17	Animal oils and fats	9	45	10	264,649	159	—	565,095
18	Sausage and sausage casings	43	179	45	911,982	455	176	1,851,757
19	Slaughtering and meat packing	65	1,431	572	10,854,961	5,826	1,538	29,009,924
Other food industries:								
20	Confectionery	87	428	406	3,279,945	1,871	2,386	11,243,482
21	Macaroni and kindred products	7	17	7	181,553	104	96	539,229
22	Sugar refining	2	943	564	8,000,980	2,353	1,150	11,043,599
23	Miscellaneous food preparations	112						
24	Totals	3,129	11,313	5,369	74,523,221	45,796	15,752	198,673,928
2. Tobacco and tobacco products:								
25	Tobacco, cigars and cigarettes	7	139	71	1,164,370	362	596	3,341,365
26	Tobacco processing	10	185	26	1,191,141	732	579	2,996,231
27	Totals	17	324	97	2,355,511	1,094	1,175	6,337,596
3. Rubber products:								
28	Rubber goods, including footwear	46	2,771	1,126	18,210,897	8,600	1,670	39,222,113
29	Totals	46	2,771	1,126	18,210,897	8,600	1,670	39,222,113
4. Leather products:								
30	Footwear, leather	84	660	331	4,373,758	3,116	3,518	15,695,893
31	Gloves and mittens, leather	17	19	20	144,987	110	150	553,235
32	Leather tanning	23	230	125	1,987,910	2,450	251	8,975,966
Other leather industries:								
33	Belting, leather	7	9	9	68,779	38	4	139,817
34	Boot and shoe findings, leather	7	17	11	140,705	106	53	375,106
35	Miscellaneous leather goods, n.e.s.	74	182	105	1,384,185	651	667	3,091,082
36	Totals	212	1,117	601	8,100,324	6,471	4,643	28,831,099
5. Textile products:								
Cotton goods:								
37	Cotton thread	5	22	10	143,895	32	61	204,993
38	Cotton yarn and cloth	24	615	345	3,863,770	3,144	2,129	13,642,331
39	Miscellaneous cotton goods	6	47	13	356,539	259	55	940,667
Woollen goods:								
40	Woollen cloth	20	193	99	1,348,795	1,151	759	4,836,586
41	Woollen yarn	16	166	101	1,086,146	736	952	4,224,266
42	Miscellaneous woollen goods	23	127	66	1,102,019	720	172	2,767,767

¹ See footnote 1, Table 2, page 9.

TABLE 6. Principal Statistics of the Individual Industries, 1958

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments	No.
number			dollars			
2,220	6,530,458	383,558	14,755,659	18,255,722	33,382,096	1
14,927	46,423,539	4,651,795	65,627,595	72,465,083	142,759,435	2
2,798	14,071,473	1,123,599	21,817,722	70,161,885	94,152,129	3
2,818	10,320,143	1,275,262	15,183,492	34,607,496	50,971,408	4
2,199	8,983,244	1,082,903	28,636,954	61,424,078	89,056,493	5
451	2,095,381	152,785	6,597,128	9,851,045	15,762,161	6
10,305	30,217,360	2,265,762	119,949,696	70,122,980	188,242,952	7
7,974	28,617,941	4,022,023	135,824,336	43,265,903	184,560,093	8
347	1,021,569	61,149	7,440,887	2,336,989	9,849,712	9
988	3,539,265	1,165,143	39,512,744	12,015,253	53,285,344	10
193	609,416	98,136	1,938,141	1,853,501	3,904,392	11
5,451	20,038,436	2,327,568	49,088,188	29,595,482	81,015,516	12
2,768	8,891,945	1,646,446	82,595,504	27,013,870	110,746,228	13
1,037	2,495,612	466,469	17,274,308	4,632,022	22,316,425	14
1,778	6,712,311	774,344	70,972,443	15,346,301	87,346,778	15
1,215	4,881,900	450,608	12,270,358	20,054,458	32,526,235	16
214	829,744	222,828	2,157,124	1,766,927	4,055,714	17
855	2,763,739	249,557	10,033,072	7,412,537	17,560,022	18
9,367	39,864,885	2,643,559	317,936,921	75,715,253	395,608,125	19
5,091	14,523,427	816,898	42,018,530	38,436,447	80,981,584	20
224	720,782	66,065	3,939,775	1,908,312	5,988,067	21
5,010	19,044,579	2,969,610	94,360,452	55,832,718	150,701,368	22
78,230	273,197,149	28,916,067	1,159,931,029	674,074,262	1,854,772,277	23
1,168	4,505,735	61,924	13,166,689	12,374,932	25,279,541	25
1,522	4,187,372	281,239	94,644,572	9,174,664	104,100,475 ²	26
2,690	8,693,107	343,163	107,811,261	21,549,596	129,380,016	27
14,167	57,433,010	3,898,352	105,101,144	145,191,493	253,309,301	28
14,167	57,433,010	3,898,352	105,101,144	145,191,493	253,309,301	29
7,625	20,069,651	325,731	27,469,725	30,487,813	58,281,053	30
299	698,222	22,269	1,043,636	933,265	2,015,336	31
3,056	10,963,876	912,853	26,439,588	17,446,366	45,098,323	32
60	208,596	14,647	275,954	287,708	566,759	33
187	515,811	35,246	1,692,713	622,655	2,376,703	34
1,605	4,475,267	108,182	6,147,508	6,668,499	13,001,405	35
12,832	36,931,423	1,418,928	63,069,124	56,446,306	121,339,579	36
125	348,888	33,340	1,022,613	832,591	1,915,219	37
6,233	17,506,101	1,331,856	32,723,217	26,358,007	61,415,961	38
374	1,297,206	71,804	3,122,375	2,189,374	5,402,997	39
2,202	6,185,381	444,068	10,016,168	8,630,393	19,545,991	40
1,955	5,310,412	329,883	13,095,377	8,542,666	22,230,612	41
1,085	3,869,786	275,677	6,666,689	7,271,649	14,450,889	42

² Reported on a production basis.

TABLE 6. Principal Statistics of the Individual Industries, 1958 - Continued

No.	Industries	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
5. Textiles — Concluded:								
1	Synthetic textiles and silk	13	926	279	6,005,527	2,952	702	13,425,327
Other primary textiles:								
2	Dyeing and finishing of textiles	20	65	28	444,248	333	105	1,281,977
3	Narrow fabrics	18	57	34	419,611	157	303	1,090,998
Other textile industries:								
4	Automobile accessories, fabric	12	103	47	750,162	230	325	1,710,791
5	Awning, tents and sails	69	144	74	686,658	319	325	1,388,006
6	Bags, cotton and jute	10	28	14	237,572	71	155	549,405
7	Carpets, mats and rugs	10	163	77	1,147,439	703	346	3,098,671
8	Cordage, rope and twine	7	90	52	720,840	529	187	2,249,210
9	Embroideries, pleating, hemstitching, etc.	37	50	21	339,713	68	153	478,109
10	Oilcloth, linoleum and other coated fabrics ..	6	480	185	3,148,854	381	59	1,705,745
11	Miscellaneous textiles, n.e.s.	82	243	172	1,893,838	344	745	2,602,275
12	Totals	378	3,519	1,617	23,695,626	12,129	7,533	56,197,124
6a. Knitting mills:								
13	Hosiery	49	228	225	1,996,741	1,062	1,888	6,907,719
14	Knitted goods	74	261	258	2,554,952	1,084	3,704	10,380,668
15	Totals	123	489	483	4,551,693	2,146	5,592	17,288,387
6b. Clothing:								
Men's, women's and children's clothing:								
16	Clothing, children's, factory	36	79	66	657,897	174	1,096	2,579,306
17	Clothing, men's, factory	153	966	670	6,212,259	2,873	5,500	19,512,031
18	Clothing, women's, factory	187	427	334	4,017,616	1,422	3,977	13,322,709
19	Clothing contractors, men's	14	22	3	75,204	64	99	370,120
20	Clothing contractors, women's	12	17	2	56,667	24	127	298,077
Miscellaneous clothing:								
21	Corsets	19	106	139	1,147,253	169	1,083	2,658,400
22	Fur goods	170	303	91	1,802,973	667	330	3,548,502
23	Gloves and mittens, fabric	3	6	10	60,157	25	94	195,094
24	Hats and caps	54	166	80	1,141,548	667	700	3,415,730
25	Clothing n.e.s.	21	57	33	427,905	152	276	1,009,447
26	Fur dressing and dyeing	1						
27	Oiled and waterproofed clothing	1						
28	Totals	671	2,149	1,428	15,599,479	6,237	13,282	46,909,416
7. Wood products:								
29	Furniture	720	1,976	799	12,093,631	11,017	1,090	36,389,359
Saw and planing mills:								
30	Flooring, hardwood	11	68	25	512,809	578	15	1,613,049
31	Sash, door and planing mills	386	850	215	4,346,582	3,751	70	11,295,408
32	Sawmills	802	1,210	75	2,734,633	3,860	41	10,446,889
33	Veneer and plywood	20	131	37	794,849	1,144	371	4,315,206
Other wood industries:								
34	Beekeepers' and poultrmen's supplies	5	6	1	10,300	7	1	16,960
35	Boxes and baskets, wood	65	209	68	1,025,651	1,251	255	3,911,658
36	Cooperage	5	40	22	270,117	226	—	760,565
37	Excelsior	4	5	5	28,075	25	5	75,405
38	Lasts, trees and shoe findings	6	15	5	132,151	94	43	408,245
39	Morticians' goods	19	51	38	405,973	422	65	1,356,618
40	Woodenware	8	17	10	118,832	105	26	262,240
41	Wood turning	21	69	29	441,609	549	63	1,569,555
42	Miscellaneous wood products, n.e.s.	85	203	75	1,210,208	1,000	166	3,531,260
43	Totals	2,157	4,850	1,404	24,125,420	24,029	2,211	75,952,417

See footnote 1, Table 2, page 9.

TABLE 6. Principal Statistics of the Individual Industries, 1958 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments	No.
number			dollars			
4,859	19,430,854	2,768,541	33,723,005	43,314,456	81,196,062	1
531	1,726,225	181,930	1,719,106	2,896,994	4,890,378	2
551	1,510,609	51,758	2,042,712	2,729,805	4,849,369	3
705	2,460,953	89,945	5,905,498	3,942,949	9,338,831	4
862	2,074,664	83,152	4,393,263	2,865,622	7,452,749	5
268	786,977	40,660	4,724,151	1,202,292	5,973,921	6
1,289	4,246,110	275,174	7,724,760	7,345,865	16,202,387	7
858	2,970,050	155,105	6,611,008	5,819,908	12,571,273	8
292	817,822	20,251	371,970	1,153,578	1,547,813	9
1,105	4,854,599	222,076	6,973,910	4,172,103	11,231,993	10
1,504	4,496,113	132,418	11,257,627	9,038,255	20,103,479	11
24,798	79,892,750	6,507,638	152,093,449	138,306,507	300,319,924	12
3,403	8,904,460	320,205	11,558,006	13,816,700	25,682,914	13
5,307	12,935,620	521,128	26,433,025	22,814,945	48,599,622	14
8,710	21,840,080	841,333	37,991,031	36,631,645	74,282,536	15
1,415	3,237,203	41,691	6,208,614	5,090,189	11,479,597	16
10,009	25,724,290	302,698	38,839,524	39,507,100	79,501,618	17
6,160	17,340,325	179,812	26,635,141	28,318,994	54,840,002	18
188	445,324	8,222	92,864	522,725	622,630	19
170	354,744	4,811	104,488	428,702	554,916	20
1,497	3,805,653	60,609	4,839,739	8,477,197	13,158,125	21
1,391	5,351,475	130,321	10,946,218	7,892,181	19,084,164	22
135	255,251	4,046	555,863	419,811	982,583	23
1,613	4,557,278	122,827	5,392,317	6,644,302	12,067,724	24
518	1,437,352	39,015	1,624,324	2,528,761	4,166,402	25
23,096	62,508,895	894,052	95,239,092	99,829,962	196,457,761	26
14,882	48,482,990	1,705,933	70,133,600	76,865,404	149,132,186	27
686	2,125,858	102,550	4,690,620	3,206,970	8,144,063	28
4,886	15,641,990	1,083,237	32,404,479	23,933,466	56,834,662	29
5,186	13,181,522	827,222	33,672,898	23,737,911	58,238,031 ²	30
1,683	5,110,055	217,822	8,266,788	9,208,638	17,739,092	31
15	27,260	2,721	48,904	41,559	101,085	32
1,783	4,937,309	257,582	5,946,273	7,269,622	13,501,951	33
288	1,030,682	86,758	2,616,527	1,176,659	3,879,251	34
40	103,480	8,728	110,015	140,838	258,299	35
157	540,396	19,581	515,066	843,410	1,380,557	36
576	1,762,591	68,434	1,810,897	2,514,495	4,367,943	37
158	381,072	19,993	552,395	511,849	1,075,223	38
710	2,011,164	72,806	1,939,402	2,958,735	4,867,896	39
1,444	4,741,468	304,594	7,659,494	8,512,761	16,396,699	40
32,494	100,077,837	4,777,961	170,367,358	160,922,317	335,916,938	41

² Reported on a production basis.

TABLE 6. Principal Statistics of the Individual Industries, 1958 - Continued

No.	Industries	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
8. Paper products:								
1	Boxes and bags, paper	107	1,271	567	8,797,671	4,415	2,164	21,975,142
2	Pulp and paper	41	2,735	932	23,968,804	16,233	318	73,673,558
3	Roofing paper	5	61	14	333,529	356	29	1,513,203
4	Miscellaneous paper goods	105	967	671	7,913,222	3,490	1,724	17,353,768
5	Totals	258	5,034	2,184	41,013,226	24,494	4,235	114,515,671
9. Printing, publishing and allied industries:								
Commercial printing:								
6	Printing and bookbinding	782	2,244	1,394	17,534,554	7,380	2,978	37,371,274
7	Trade composition	26	71	34	626,451	508	8	2,370,027
Engraving, stereotyping and allied industries:								
8	Engraving, stereotyping and electro- typing	80	343	210	3,305,888	1,645	359	9,933,863
9	Lithographing	59	408	265	3,728,443	1,730	677	9,666,405
Printing and publishing:								
10	Printing and publishing	285	4,106	2,633	29,139,238	6,374	892	32,522,575
11	Publishing (only) of periodicals	597	937	1,013	5,285,685	—	—	—
12	Totals	1,829	8,109	5,549	59,620,259	17,637	4,914	91,864,144
10. Iron and steel products:								
13	Agricultural implements	27	1,923	525	12,207,535	7,495	87	31,897,764
14	Boilers, tanks and platework	49	1,210	361	8,190,996	3,302	15	13,954,648
15	Bridge and structural steel work	31	1,187	261	7,614,161	4,098	17	18,046,065
16	Castings, iron	86	1,231	446	8,460,879	7,698	140	30,823,870
17	Hardware, tools and cutlery	308	1,611	844	11,799,470	6,381	1,025	26,731,551
18	Heating and cooking apparatus	67	1,176	486	7,788,300	3,573	199	13,956,855
19	Machinery, household, office and store	45	1,134	573	8,726,886	3,834	447	16,885,129
20	Machinery, industrial	227	3,647	1,343	23,787,892	8,584	430	35,417,043
21	Machine shops	255	458	154	2,663,405	1,781	54	6,654,104
22	Machine tools	14	222	78	1,608,499	741	—	2,936,140
23	Primary iron and steel	19	3,067	908	25,130,741	17,102	172	84,455,013
24	Sheet metal products	240	1,896	904	14,684,645	7,535	1,055	32,977,105
25	Wire and wire goods	79	922	397	6,900,075	3,745	423	16,384,139
26	Miscellaneous iron and steel products	197	1,068	339	7,045,479	4,056	619	16,730,650
27	Totals	1,644	20,752	7,619	146,608,963	79,925	4,683	347,850,076
11. Transportation equipment:								
28	Aircraft and parts	36	6,839	1,844	45,154,803	12,486	246	55,278,795
29	Bicycles and parts	3	118	62	786,191	409	46	1,573,670
30	Boat building	68	111	38	463,120	532	10	1,719,755
31	Motor vehicles	8	5,575	1,382	41,048,853	18,191	330	85,059,673
32	Motor vehicle parts	120	2,910	962	21,164,107	11,102	1,756	51,533,485
33	Railway rolling stock	12	857	174	5,762,260	3,555	15	14,472,414
34	Shipbuilding	11	259	75	1,356,526	2,392	6	9,203,249
35	Miscellaneous transportation equipment	7	41	25	404,469	246	109	1,078,604
36	Totals	265	16,710	4,562	116,140,329	48,913	2,518	219,919,645
12. Non-ferrous metal products:								
37	Aluminum products	55	792	354	5,589,949	2,941	214	11,835,685
38	Brass and copper products	90	934	395	6,456,173	3,873	411	16,380,285
39	Jewellery and silverware	111	421	303	3,125,205	1,336	839	6,723,208
40	Non-ferrous metal smelting and refining	10	1,431	187	10,601,335	7,014	4	30,588,297
41	White metal alloys	39	353	118	2,561,179	1,324	413	5,742,262
42	Miscellaneous non-ferrous metal products	15	246	90	1,843,429	573	87	2,684,556
43	Totals	320	4,177	1,447	30,177,270	17,061	1,968	73,954,293
13. Electrical apparatus and supplies:								
44	Batteries	12	305	145	2,308,106	755	275	3,782,221
45	Refrigerators, vacuum cleaners and ap- pliances	55	1,243	498	8,391,697	3,574	1,082	17,280,426
46	Machinery, heavy, electrical	57	5,999	1,827	42,983,274	8,737	1,549	46,513,075
47	Telecommunication equipment	89	3,331	1,170	21,951,147	3,449	4,798	24,808,097
48	Miscellaneous electrical apparatus and supplies	107	2,292	969	16,017,657	5,842	2,151	28,187,635
49	Totals	320	13,170	4,609	91,651,881	22,357	9,855	120,571,454

¹ See footnote 1, Table 2, page 9.

TABLE 6. Principal Statistics of the Individual Industries, 1958 - Continued

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments	No.
number			dollars			
8,417	30,772,813	1,108,170	83,484,777	54,017,230	138,058,721	1
20,218	97,642,362	31,175,938	201,972,570	215,632,245	447,108,816	2
460	1,846,732	177,702	6,146,315	4,470,647	10,334,948	3
6,852	25,266,990	1,191,930	64,387,295	55,128,973	120,298,105	4
35,947	155,528,897	33,653,740	355,990,957	329,249,095	715,800,590	5
13,996	54,905,828	1,199,463	57,391,225	91,823,128	149,839,124	6
621	2,996,478	43,173	375,365	3,880,856	4,299,202	7
2,557	13,239,751	263,543	4,907,815	20,371,226	25,584,559	8
3,080	13,394,848	261,093	17,471,181	21,522,943	39,124,173	9
14,005	61,661,813	1,293,240	41,487,919	115,694,641	158,534,110	10
1,950	5,285,685	—	11,951,406	11,743,089	23,694,495 ²	11
36,209	151,484,403	3,060,512	133,584,911	265,035,883	401,075,663	12
10,030	44,105,299	1,763,715	72,126,603	54,544,585	122,111,559	13
4,888	22,145,644	889,328	30,629,256	33,354,912	66,086,449	14
5,563	25,660,226	830,604	36,633,531	46,258,317	83,722,452 ²	15
9,515	39,284,749	3,173,570	94,033,885	74,831,392	173,635,775	16
9,861	38,531,021	1,655,514	39,149,367	74,524,036	114,925,346	17
5,434	21,745,155	1,041,152	45,351,182	42,492,552	89,038,305	18
5,988	25,612,015	641,835	49,990,976	57,988,962	110,311,401	19
14,004	59,204,935	2,081,013	85,048,458	109,115,550	196,884,329	20
2,447	9,317,509	369,898	6,655,830	13,582,394	20,665,875	21
1,041	4,544,639	157,175	5,820,566	4,478,466	11,355,414	22
21,249	109,585,754	22,299,430	196,541,814	235,796,736	456,943,390	23
11,390	47,661,750	2,171,596	104,468,192	91,067,411	197,589,106	24
5,487	23,284,214	1,218,946	46,597,699	37,796,510	86,556,735	25
6,082	23,776,129	1,709,373	29,950,779	40,978,812	72,902,439	26
112,979	494,459,039	40,003,149	842,998,138	916,810,635	1,802,728,575	27
21,415	100,433,598	2,792,877	98,778,008	145,645,596	247,216,481 ²	28
635	2,359,861	93,906	1,981,268	4,139,769	6,136,882	29
691	2,182,875	82,281	1,899,890	2,433,075	4,463,883	30
25,478	126,108,526	5,174,808	565,227,943	248,281,580	835,537,065	31
16,730	72,697,592	4,118,157	148,341,510	125,378,377	279,562,626	32
4,601	20,234,674	880,566	63,960,801	32,484,002	97,325,369 ²	33
2,732	10,559,775	350,342	9,608,247	20,239,109	30,197,698 ²	34
421	1,483,073	64,366	1,990,805	2,281,152	4,300,333	35
72,703	336,059,974	13,557,303	891,788,472	580,882,660	1,504,740,337	36
4,301	17,425,634	1,453,786	29,838,369	28,115,655	58,128,163	37
5,613	22,836,458	1,533,993	63,560,558	42,957,173	105,842,600	38
2,899	9,848,413	309,497	24,047,236	15,940,905	39,739,829	39
8,636	41,189,632	14,573,354	246,135,300	166,188,347	426,897,001 ²	40
2,208	8,303,441	779,878	21,751,867	14,150,797	36,955,605	41
996	4,527,985	250,480	8,219,849	7,380,007	15,860,443	42
24,653	104,131,563	18,900,988	393,553,179	274,732,884	683,423,641	43
1,480	6,090,327	341,000	15,611,746	11,261,250	27,758,872	44
6,397	25,672,123	1,352,526	53,637,895	54,184,851	111,878,801	45
18,112	89,496,349	1,936,829	85,438,086	127,676,661	220,574,652	46
12,748	46,759,244	875,549	91,493,301	90,442,869	180,742,858	47
11,254	44,205,292	1,694,571	84,692,677	82,329,602	167,095,053	48
49,991	212,223,335	6,200,475	330,873,705	365,895,233	708,050,236	49

² Reported on a production basis.

TABLE 6. Principal Statistics of the Individual Industries, 1958 - Concluded

No.	Industries	Estab- lish- ments	Administrative and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
14. Non-metallic mineral products:								
1	Abrasives, artificial	13	413	137	3,356,671	1,270	88	5,576,085
2	Asbestos products	8	140	39	796,903	566	19	2,200,261
3	Cement, hydraulic	6	179	36	1,378,528	1,018	3	4,437,088
4	Clay products from domestic clay	60	211	60	1,440,620	1,803	36	6,749,282
5	Clay products from imported clay	18	209	63	1,451,137	873	205	3,991,843
6	Concrete products	274	1,010	232	6,169,373	3,970	28	14,939,792
7	Glass and glass products	51	515	266	3,605,023	2,977	496	13,527,050
8	Lime	14	56	10	275,212	507	—	2,006,576
9	Salt	7	127	26	762,385	345	18	1,606,734
10	Sand-lime brick	3	8	—	43,269	64	—	205,188
11	Stone products	48	309	88	1,936,220	983	4	3,921,767
Other non-metallic mineral industries:								
12	Gypsum products	2	332	131	2,428,662	598	101	2,464,619
13	Miscellaneous non-metallic mineral pro- ducts	25						
14	Totals	529	3,509	1,088	23,644,003	14,974	998	61,626,285
15. Products of petroleum and coal:								
15	Coke and gas products	8	203	91	1,212,288	1,268	—	5,783,158
16	Petroleum products	14	2,205	846	17,598,570	2,257	29	11,775,976
17	Miscellaneous products of petroleum and coal	10	84	43	568,079	128	—	549,592
18	Totals	32	2,492	980	19,378,937	3,653	29	18,108,726
16. Chemicals and allied products:								
19	Acids, alkalies and salts	30	1,287	300	9,076,218	3,517	36	16,547,260
20	Fertilizers	24	181	57	1,221,564	531	5	2,251,044
21	Medicinal and pharmaceutical preparations	84	645	731	6,743,142	1,183	1,307	7,571,831
22	Paints, varnishes and lacquers	69	846	423	5,910,360	1,647	98	6,598,070
23	Primary plastics	16	220	66	1,477,202	613	18	2,631,912
24	Soaps, washing compounds and cleaning preparations	67	860	470	6,838,407	1,476	349	7,846,419
25	Toilet preparations	46	214	316	2,156,027	310	654	2,239,640
26	Vegetable oils	4	80	19	598,658	199	—	799,303
Other chemical industries:								
27	Adhesives	14	104	58	802,859	300	23	1,110,509
28	Coal tar distillation	6	62	17	393,741	253	2	1,049,675
29	Gases, compressed	18	285	133	1,914,814	298	6	1,366,070
30	Inks	20	146	94	1,245,984	446	35	1,733,894
31	Polishes and dressings	29	178	156	1,587,743	174	133	919,416
32	Miscellaneous chemical products n.e.s.	128	1,340	603	10,852,870	3,442	381	16,075,354
33	Totals	555	6,448	3,443	50,819,589	14,389	3,047	68,740,397
17. Miscellaneous industries:								
34	Brooms, brushes and mops	39	166	122	1,178,990	548	309	2,116,999
35	Clocks, watches and watch cases	15	117	92	1,015,372	239	403	2,087,937
36	Fountain pens and pencils	9	130	98	1,026,554	129	261	1,015,747
37	Instruments and related products	55	1,475	623	10,595,663	2,216	1,002	12,526,832
38	Musical instruments	15	78	60	631,757	492	226	2,304,650
39	Ophthalmic goods	19	184	90	1,037,196	322	187	1,412,301
40	Orthopaedic and surgical appliances	16	41	25	288,738	74	127	421,411
41	Plastics products	107	469	235	3,482,595	1,249	1,004	6,245,704
42	Sporting goods	51	216	154	1,648,101	653	430	3,006,809
43	Toys and games	48	142	104	1,244,799	496	915	3,011,084
44	Typewriter supplies	6	63	36	506,437	155	89	654,299
Other miscellaneous industries:								
45	Artificial flowers and feathers	15	22	14	122,749	56	77	247,252
46	Buttons, buckles and fasteners	11	115	61	820,835	224	204	1,365,813
47	Hair goods	6	12	10	111,614	49	32	212,390
48	Ice, artificial	23	37	13	169,900	137	—	434,769
49	Lamps, electric and lamp shades	24	71	57	452,559	213	216	997,955
50	Models and patterns, excl. paper	54	81	11	479,298	321	5	1,521,892
51	Pipes, lighters and smokers' supplies	7	22	24	181,000	38	33	206,123
52	Signs, electric, neon and other	171	336	106	1,922,199	1,033	115	3,546,953
53	Stamps and stencils, rubber and metal	36	112	58	787,148	384	122	1,579,311
54	Statuary, art goods, regalia and novelties	35	57	22	331,422	143	145	669,583
55	Umbrellas	1	115	100	856,474	305	259	1,398,039
56	Candles	2						
57	Miscellaneous industries n.e.s.	26						
58	Totals	791	4,061	2,115	28,891,400	9,476	6,161	46,983,853
59	Grand totals, all industries	13,276	110,994	45,721	779,108,028	359,381	90,266	1,633,546,624

¹ See footnote 1, Table 2, page 9.

TABLE 6. Principal Statistics of the Individual Industries, 1958 — Concluded

Total employees	Total salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture ¹	Selling value of factory shipments	No.
number			dollars			
1,908	8,932,756	2,452,519	11,695,087	13,998,569	27,831,268	1
764	2,997,164	367,401	5,448,183	8,925,672	14,240,255	2
1,236	5,815,616	7,579,969	5,868,373	22,992,875	36,441,217	3
2,110	8,189,902	3,539,064	389,379	18,857,848	22,786,291	4
1,350	5,442,980	579,375	4,799,988	9,877,777	15,290,049	5
5,240	21,109,165	2,995,123	37,891,201	45,812,935	85,032,563	6
4,254	17,132,073	2,498,332	22,105,832	32,058,296	56,456,209	7
573	2,281,788	3,252,167	707,149	9,081,744	13,041,060	8
516	2,369,119	710,464	1,665,463	8,914,406	11,290,333	9
72	248,457	37,915	129,366	429,371	584,315	10
1,384	5,857,987	1,126,011	7,786,802	13,008,572	21,524,292	11
1,162	4,893,281	1,007,450	10,302,187	11,617,201	22,830,379	12
20,569	85,270,288	26,145,790	108,789,010	195,575,266	327,348,231	13
1,562	6,995,446	3,192,986	39,604,748	12,169,834	54,967,568 ²	14
5,337	29,374,546	16,904,326	255,695,530	120,861,674	393,461,530 ²	15
255	1,117,671	131,546	4,607,146	4,130,541	8,884,992	16
7,154	37,487,663	20,228,858	299,907,424	137,162,049	457,314,090	17
5,140	25,623,478	14,865,033	62,042,001	62,058,827	137,203,754	18
774	3,472,608	1,061,382	18,243,580	11,442,941	32,225,600	19
3,866	14,314,973	426,924	22,224,421	59,207,901	81,589,954	20
3,014	12,508,430	579,628	38,814,325	39,375,064	77,802,234	21
917	4,109,114	1,238,239	22,817,341	14,366,404	38,526,771	22
3,155	14,684,826	1,329,894	48,854,609	68,333,655	117,484,774	23
1,494	4,395,667	145,005	11,961,620	18,859,856	30,672,758	24
298	1,397,961	661,841	35,425,123	6,180,190	41,687,454	25
485	1,913,368	382,770	4,984,929	4,862,758	10,235,749	26
334	1,443,416	570,073	5,043,036	2,576,984	8,210,814	27
722	3,280,884	378,695	1,744,819	7,069,444	9,359,207	28
721	2,979,878	107,233	5,172,996	5,958,986	11,203,348	29
641	2,507,159	93,045	7,961,552	10,213,498	18,322,642	30
5,766	26,928,224	8,049,044	64,908,954	64,041,968	136,051,748	31
27,327	119,559,986	29,888,806	350,199,306	374,548,476	750,576,807	32
1,145	3,295,989	83,331	4,684,012	5,830,139	10,740,007	33
851	3,103,309	44,875	5,941,726	5,818,163	11,950,484	34
618	2,042,301	59,633	2,611,522	4,278,346	7,020,306	35
5,316	23,122,495	554,476	31,083,301	41,896,104	71,762,466	36
856	2,936,407	116,875	3,620,396	7,289,401	11,008,485	37
783	2,449,497	65,199	1,969,730	2,473,268	4,455,051	38
267	710,149	18,652	646,285	1,268,681	1,927,608	39
2,957	9,728,299	489,617	18,711,548	19,928,561	38,971,466	40
1,453	4,654,910	148,823	6,053,096	9,395,625	15,851,192	41
1,657	4,255,883	169,011	8,386,313	8,858,725	17,281,852	42
343	1,160,736	42,389	2,556,471	2,568,195	5,182,926	43
169	370,001	9,276	347,865	732,445	1,082,232	44
804	2,186,648	71,821	2,076,466	3,474,382	5,601,809	45
103	324,004	32,913	510,988	500,976	1,044,033	46
187	604,669	145,764	94,690	1,073,654	1,309,211	47
557	1,450,514	51,750	2,658,308	3,118,262	5,843,099	48
418	2,001,190	56,109	828,846	3,004,543	3,832,573	49
117	387,123	13,376	891,182	911,987	1,928,520	50
1,590	5,469,152	298,052	5,790,408	8,516,538	14,498,135	51
676	2,366,459	63,194	1,500,576	3,406,928	5,004,900	52
367	1,001,005	31,644	958,801	1,503,217	2,500,142	53
779	2,254,513	95,624	3,108,377	5,381,260	8,395,333	54
21,813	75,875,253	2,662,404	105,030,907	141,229,396	247,191,830	55
606,362	2,412,654,652	241,899,519	5,704,319,497	4,914,073,665	10,864,028,332	56
						57

¹ Reported on a production basis.

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