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# THE MANUFACTURING INDUSTRIES OF CANADA

**Section D**

**PROVINCE OF ONTARIO**

**1956**

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## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes as follows: **Volume I** — The Primary Industries, including mining, forestry and fishing; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups:

- I — General Review of the Manufacturing Industries, \$1.50
- II — The Manufacturing Industries of Canada,  
(7 sections, see below:)
- III — Foods and Beverages
- IV — Tobacco and Tobacco Products
- V — Rubber Products
- VI — Leather Products
- VII — Textile Mills
- VIII — Knitting Mills
- IX — Clothing
- X — Wood and Paper Products
- XI — Printing Trades
- XII — Iron and Steel Products
- XIII — Transportation Equipment
- XIV — Non-ferrous Metal Products
- XV — Electrical Apparatus and Supplies
- XVI — Non-metallic Mineral Products
- XVII — Products of Petroleum and Coal
- XVIII — Chemicals and Allied Products
- XIX — Miscellaneous Manufactures

The present report belongs in Part II. It is punched to permit of filing in a ring binder along with other reports of the group, the full list of which is as follows:

- Section A. Summary for Canada, 25¢
- Section B. Atlantic Provinces, 50¢
- Section C. Province of Quebec, 25¢
- Section D. Province of Ontario, 25¢
- Section E. Prairie Provinces, 40¢
- Section F. Province of British Columbia, including Yukon and Northwest Territories, 25¢
- Section G. The Manufacturing Industries of Canada,  
Regional Distribution, 75¢

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# THE MANUFACTURING INDUSTRIES OF CANADA

## Section D

### PROVINCE OF ONTARIO

### 1956

The manufacturing industries of Ontario in 1956 reported \$10,655,098,620 as the selling value of factory shipments, an increase of 10.8 p.c. over the previous year. This is the first time that shipments passed the ten billion mark and accordingly are the highest on record. Accompanying the increase in shipments was an increase of 4.5 p.c. in the number of employees which totalled 641,190 in 1956. Although the selling value of factory shipments in 1955 and 1956 exceeded the previous high reported in 1953 by 20 p.c., the number of persons employed was only 6,636 or 1.0 p.c. higher. This result conforms to the trend in recent years for employment to increase at a lower rate than volume of production. With the increase in automation and technological improvements this trend should continue at a more accelerated pace. Indicative of this trend is the increase since 1949 for Canada as a whole of 31.8 p.c. in the volume of production as compared with an increase of only 15.5 p.c. in the number of persons employed. Since indexes of volume of production are not available by provinces no comparison can be made for Ontario. There is no doubt, however, that the volume of production in Ontario in 1956 was the highest on record.

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 two years Ontario in 1956 reported an increase of 24.9 p.c. in factory shipments and 7.1 p.c. in employment as compared with 1954. This compares with increases of 23.3 p.c. and 6.7 p.c. 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 hydroelectric 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 water-

way 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.

Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance and in 1956 produced about 49 per cent of the nation's manufactured goods. A vast increase of steel ingot capacity is being made possible by developments at 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, bicycles and the processing of raw tobacco are carried on practically in this province alone. Of the forty leading industries in Canada in 1956, 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 1956 Canada totals are as follows: motor vehicles 98.8, motor vehicle parts 95.4, heavy electrical machinery 89.7, rubber goods 81.5, primary iron and steel 78.1, telecommunication equipment 76.7, iron castings 71.9, fruit and vegetable preparations 67.4, sheet metal products 59.7, wire and wire goods 58.4, aircraft and parts 58.1, industrial machinery 57.4, printing and bookbinding 57.3, brass and copper products 55.1, miscellaneous chemical products 54.6, acids, alkalies and salts 53.0, boxes and bags, paper 52.0, miscellaneous electrical apparatus 50.6, furniture 49.7, printing and publishing 48.7, synthetic textiles 44.9, and stock and poultry feeds 44.3.

There are also a number of medium-sized industries with a total Canadian production of over \$100,000,000 in which Ontario dominated. Agricultural implements with 90.5 p.c., soaps and washing compounds 88.5 p.c., household and office machinery 80.0 p.c., refrigerators, vacuum cleaners, etc. 79.6 p.c., hardware, tools and cutlery 72.8 p.c., heating and cooking apparatus 68.7, and confectionery 57.2 p.c. were in this category.

In addition Ontario dominated many of the smaller industries in 1956 as is indicated by the following percentages of the Canadian total. In this category were: machine tools 100.0, tobacco processing and packing 93.8, bicycles and parts 92.9, non-ferrous metal products 92.3, prepared breakfast foods 90.5, automobile accessories, fabric 88.6, wine 88.1, typewriter supplies 86.5, leather tanneries 84.3, artificial abrasives 83.8, cordage, rope and twine 77.5, sporting goods 76.0, carpets, mats and rugs 75.7, batteries 73.1, white metal alloys 72.8, jewellery and silverware 71.9, toys and games 71.5, wool yarn 70.2, feed mills 69.9, aluminum products 64.8, animal oils and fats 61.3, boilers, tanks and plate work 55.3, knitted goods, other than hosiery 47.9, hosiery 44.3, etc.

Establishments reporting in 1956 numbered 13,215. They furnished employment to 641,190 persons who were paid \$2,310,634,396 in salaries and wages, and spent \$5,683,753,088 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 \$4,868,570,251, while the selling value of factory shipments totalled \$10,655,098,620.

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. Beginning with 1954 it is again possible to obtain value of production figures, by adding to the value of shipments the changes in the inventory of finished products and goods in process. The figures for value added since 1954 are, therefore, comparable with 1951 and prior years.

A number of industries still report value of production. To calculate value added by manufacture for these industries, the value of materials used, including the cost of fuel and electricity, is subtracted from the value of production, no account is taken of inventory change. For this reason the figures on value added by manufacture for the province as a whole or for major groups published in this report differ slightly from the calculated figures derived by using the formula for converting shipments to production values which is "Shipments plus closing minus opening inventories of finished goods and goods in process equals value of production". To illustrate this point 1955 figures for Ontario will be used. These figures are as follows:

	\$'000,000
Value of factory shipments .....	9,617.6
Inventory of finished goods and goods in process:	
Closing .....	951.2
Opening .....	883.2
Cost of materials used .....	5,014.2
Cost of fuel and electricity .....	202.9
Calculated value of production (9,617.6 plus 951.2 minus 883.2 - 9,685.6)	
Value added by manufacture (9,685.6 minus 5,014.2 minus 202.9 - 4,468.5)	

This is slightly different to the \$4,426.7 figure given in Table 1. The difference is due to the fact that the figures for inventory change used in the formula are for manufacturing as a whole and include the figures for those industries still on a production basis and for which inventory changes have not been taken into account in calculating their value added by manufacture.

TABLE 1 . Principal Statistics of the Manufacturing Industries, by Provinces, 1956

Provinces	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
Newfoundland .....	783	10, 502	30, 462, 735	55, 451, 956	62, 607, 709	123, 691, 344
Prince Edward Island .....	192	1, 775	3, 233, 404	17, 806, 842	6, 161, 628	24, 497, 245
Nova Scotia .....	1, 402	30, 937	83, 948, 510	214, 779, 069	159, 820, 242	384, 398, 103
New Brunswick .....	1, 004	22, 560	61, 063, 301	176, 440, 306	125, 314, 488	313, 280, 599
Quebec .....	12, 112	446, 137	1, 396, 414, 564	3, 605, 521, 666	2, 888, 148, 758	6, 622, 502, 699
Ontario .....	13, 215	641, 190	2, 310, 634, 396	5, 683, 753, 088	4, 868, 570, 251	10, 655, 098, 620
Manitoba .....	1, 534	42, 821	133, 505, 971	367, 024, 766	270, 017, 554	647, 389, 185
Saskatchewan .....	798	11, 536	36, 683, 383	176, 871, 188	113, 627, 642	298, 203, 489
Alberta .....	1, 971	36, 792	120, 195, 105	412, 138, 247	285, 830, 811	703, 188, 739
British Columbia .....	4, 393	108, 595	393, 869, 388	1, 007, 882, 346	824, 249, 273	1, 859, 368, 466
Yukon and Northwest Territories .....	24	175	681, 433	3, 867, 415	1, 076, 223	5, 130, 497
Canada .....	37, 428	1, 353, 020	4, 570, 692, 190	11, 721, 536, 889	9, 605, 424, 579	21, 636, 748, 986

TABLE 2 . Principal Statistics Compared, 1955 and 1956

Principal statistics	1955	1956	+Increase -Decrease
Establishments .....	No.	13, 276	13, 215
Supervisory and office employees:			
Male .....	No.	103, 142	107, 822
Female .....	"	43, 679	45, 674
Salaries .....	\$	610, 157, 207	677, 353, 765
Production workers:			
Male .....	No.	373, 813	391, 301
Female .....	"	93, 238	96, 393
Wages .....	\$	1, 478, 748, 420	1, 633, 280, 631
Cost of fuel and electricity .....	"	202, 930, 013	229, 355, 946
Cost at plant of materials used .....	"	5, 014, 225, 423	5, 683, 753, 088
Value added by manufacture <sup>1</sup> .....	"	4, 426, 654, 771	4, 868, 570, 251
Selling value of factory shipments .....	"	9, 617, 642, 961	10, 655, 098, 620

<sup>1</sup> Calculated value of production (shipments plus closing inventory, minus opening inventory of finished products) less cost of materials and fuel and electricity used. (See text, p. 6).

TABLE 3. Principal Statistics of the Manufacturing Industries, 1931 to 1956

Year	Establishments	Capital	Employees	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.	\$	\$	\$	\$
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	1,762,571,869	318,871	378,376,209	907,011,461	791,428,569	1,745,674,707
1940	10,040	1,988,461,940	372,843	479,399,188	1,236,738,529	1,004,529,583	2,302,014,854
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	2,832,519,471	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	2,148,290,803	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	5,742,289,854
1949	12,951	"	557,190	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	4,580,134,562	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	9,617,642,981
1956	13,215	"	641,190	2,310,634,396	5,683,753,088	4,868,570,251	10,655,098,620

<sup>1</sup> 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 (shipments plus closing inventory, minus opening inventory of finished products) less cost of materials and fuel and electricity used. (See text p. 6).

<sup>2</sup> 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, 1956

No.	Industries	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Selling value of factory shipments
		No.	No.	\$	\$	\$	\$
1	Motor vehicles .....	9	34,239	146,427,948	691,146,202	293,018,027	976,395,839
2	Non-ferrous metal smelting and refining .....	9	10,985	47,779,018	300,682,938	233,785,554	554,055,630 <sup>2</sup>
3	Primary iron and steel .....	18	25,654	122,151,730	239,452,056	271,173,067	531,684,074
4	Pulp and paper .....	41	20,316	91,289,800	188,607,881	227,429,017	441,628,702
5	Petroleum products .....	13	5,480	26,206,838	214,388,049	130,759,078	357,663,026 <sup>2</sup>
6	Slaughtering and meat packing ....	55	9,050	34,674,321	259,163,528	71,161,876	332,270,861
7	Motor vehicle parts .....	116	20,096	77,735,398	170,269,794	146,647,126	314,359,075
8	Rubber goods, including footwear .....	48	16,191	61,228,450	131,739,169	160,856,206	289,917,252
9	Machinery, heavy, electrical .....	53	21,524	88,050,963	102,757,112	149,083,838	234,826,366
10	Aircraft and parts .....	24	19,868	83,964,069	90,764,813	112,784,782	206,140,322 <sup>2</sup>
11	Miscellaneous electrical apparatus and supplies .....	99	11,846	43,792,121	105,982,193	97,081,939	199,296,354
12	Machinery, industrial .....	199	14,884	58,168,311	83,573,849	112,795,141	189,129,281
13	Telecommunication equipment .....	87	14,141	48,068,638	106,947,987	89,184,545	187,796,572
14	Sheet metal products .....	196	11,914	45,269,455	97,323,294	80,644,750	176,746,722
15	Castings, iron .....	92	11,238	44,811,331	90,009,054	85,264,991	175,425,420
16	Fruit and vegetable preparations..	196	10,518	27,019,988	98,383,729	68,127,594	168,448,987
17	Butter and cheese .....	435	7,371	23,289,441	108,385,356	37,837,876	149,641,307
18	Printing and publishing .....	292	14,455	57,514,583	41,488,660	105,944,540	148,546,386
19	Furniture .....	750	16,071	48,514,237	71,754,730	75,818,420	147,883,962
20	Brass and copper products .....	87	5,368	20,575,710	92,894,966	40,439,412	134,380,898
21	Miscellaneous food preparations..	110	4,598	15,541,193	85,865,402	46,423,486	133,449,970
22	Bread and other bakery products..	849	15,000	41,769,848	60,786,551	63,282,436	128,404,739
23	Printing and bookbinding .....	787	13,319	45,417,696	48,260,677	78,539,003	127,157,891
24	Boxes and bags, paper .....	106	7,988	26,542,918	76,611,310	48,720,201	125,459,373
25	Miscellaneous chemical products n.e.s. ....	126	5,110	20,454,971	56,821,390	61,057,157	123,684,015
26	Refrigerators, vacuum cleaners and appliances .....	56	7,543	27,816,756	59,177,399	65,385,621	118,501,819
27	Railway rolling stock .....	12	6,268	24,043,600	72,620,287	42,007,232	115,658,339 <sup>2</sup>
28	Hardware, tools and cutlery .....	284	10,939	39,373,343	44,161,133	71,854,079	115,247,984
29	Agricultural implements .....	28	8,861	33,686,124	58,215,977	46,659,425	111,059,789
30	Miscellaneous paper goods, n.e.s.	109	6,858	22,987,164	61,613,827	44,826,387	107,441,315
31	Machinery, household, office and store .....	46	6,623	24,009,686	51,697,020	52,849,315	102,657,248
32	Acids, alkalies and salts .....	25	4,701	20,700,570	42,729,113	52,623,051	102,509,807
33	Feeds, stock and poultry, prepared .....	342	2,998	8,093,784	73,562,280	22,982,500	97,808,676
34	Soaps, washing compounds and cleaning preparations .....	68	3,031	12,535,500	40,875,170	55,754,121	96,798,597
35	Wire and wire goods .....	73	6,153	24,354,384	50,420,668	44,447,045	93,668,886
36	Flour mills .....	44	1,792	6,054,182	74,263,823	12,604,808	87,497,208
37	Breweries .....	21	3,342	14,933,441	22,369,678	62,808,904	86,719,251
38	Heating and cooking apparatus .....	60	5,976	22,271,554	47,007,139	39,807,767	84,917,640
39	Clothing, men's, factory .....	143	10,429	26,135,167	40,860,104	39,900,041	80,155,925
40	Bridge and structural steel work .....	25	5,253	22,847,100	33,985,874	40,936,569	75,675,460 <sup>2</sup>
	<b>Totals, leading industries .....</b>	<b>6,133</b>	<b>437,991</b>	<b>1,676,101,331</b>	<b>4,387,620,182</b>	<b>3,583,308,927</b>	<b>8,630,710,968</b>
	<b>Totals, all industries .....</b>	<b>13,215</b>	<b>641,190</b>	<b>2,310,634,398</b>	<b>5,683,753,068</b>	<b>4,868,570,251</b>	<b>10,655,898,620</b>

<sup>1</sup> See footnote 1 page 7.<sup>2</sup> Reported on a production basis.

TABLE 5. Principal Statistics by Industrial Groups, 1955 and 1956

No.	Industrial group	Establishments	Supervisory and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
	No.	No.	No.	\$	No.	No.	\$	
1955								
1	Foods and beverages .....	2,903	10,428	4,825	56,704,777	41,118	15,292	152,645,428
2	Tobacco and tobacco products .....	20	218	51	1,295,423	931	931	3,728,409
3	Rubber products .....	42	2,772	1,130	15,746,735	9,309	1,895	38,149,230
4	Leather products .....	231	1,126	541	6,810,457	6,602	4,290	24,878,745
5	Textiles .....	384	3,053	1,570	18,501,685	12,944	8,823	56,006,710
6	Knitting mills .....	131	638	620	4,717,772	2,813	6,228	18,851,251
7	Clothing .....	758	2,297	1,463	14,351,015	6,832	13,470	44,096,277
8	Wood products .....	2,509	5,249	1,341	21,751,257	27,214	2,157	74,598,979
9	Paper products .....	271	4,426	2,049	32,415,647	23,311	4,125	98,583,209
10	Printing, publishing and allied industries .....	1,825	7,985	5,280	48,913,711	16,807	4,831	75,401,748
11	Iron and steel products .....	1,476	18,942	6,923	112,838,004	84,694	4,759	325,279,686
12	Transportation equipment .....	240	15,458	4,430	93,399,594	56,767	3,134	218,711,078
13	Non-ferrous metal products .....	311	3,757	1,489	23,716,122	19,376	2,087	74,740,411
14	Electrical apparatus and supplies .....	300	12,668	5,026	70,696,003	24,399	11,748	113,711,005
15	Non-metallic mineral products .....	523	3,018	1,090	17,262,653	14,822	1,030	52,568,940
16	Products of petroleum and coal .....	36	2,254	872	14,518,204	4,152	36	16,483,288
17	Chemicals and allied products .....	553	5,936	3,248	37,642,303	13,114	2,839	53,122,501
18	Miscellaneous industries .....	763	2,917	1,731	18,875,845	8,608	5,563	37,191,525
19	Totals, 1955 .....	13,276	103,142	43,679	610,157,207	373,813	93,238	1,478,748,420
1956								
20	Foods and beverages .....	2,865	10,632	5,079	61,346,101	41,440	15,983	184,245,752
21	Tobacco and tobacco products .....	19	222	53	1,364,725	802	912	3,514,574
22	Rubber products .....	48	2,955	1,240	17,671,416	9,933	2,063	43,557,034
23	Leather products .....	230	1,172	574	7,286,342	6,729	4,471	27,076,579
24	Textiles .....	378	3,440	1,692	21,763,927	13,489	9,150	59,847,654
25	Knitting mills .....	120	558	568	4,822,637	2,528	6,303	18,734,186
26	Clothing .....	700	2,282	1,517	14,864,173	6,618	13,791	46,618,543
27	Wood products .....	2,438	5,352	1,422	23,722,200	27,985	2,354	80,526,459
28	Paper products .....	263	4,730	2,209	35,930,016	24,452	4,342	106,927,093
29	Printing, publishing and allied industries .....	1,883	8,749	5,459	53,744,917	17,451	4,972	81,563,538
30	Iron and steel products .....	1,497	20,012	7,477	125,422,905	90,802	5,074	370,700,743
31	Transportation equipment .....	249	16,649	4,816	104,531,095	59,725	3,201	241,100,010
32	Non-ferrous metal products .....	304	3,939	1,422	25,443,071	19,839	2,012	81,141,229
33	Electrical apparatus and supplies .....	310	12,444	4,967	80,485,107	27,417	11,828	133,286,551
34	Non-metallic mineral products .....	527	3,103	992	18,168,798	15,273	1,000	57,835,799
35	Products of petroleum and coal .....	35	2,366	926	17,050,958	4,130	36	17,636,154
36	Chemicals and allied products .....	558	5,976	3,421	42,321,915	13,597	2,899	57,256,387
37	Miscellaneous industries .....	791	3,241	1,840	21,413,462	9,091	6,002	41,712,386
38	Totals, 1956 .....	13,215	107,822	45,674	677,353,765	391,301	96,393	1,633,280,631

<sup>1</sup> See footnote 1 page 7.

TABLE 5. Principal Statistics by Industrial Groups, 1955 and 1956

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.
No.	\$	\$	\$	\$	\$	No.
71,663	209,350,205	21,998,072	887,227,268	552,454,759	1,454,092,885	1
2,131	5,023,832	264,689	80,185,810	13,999,304	94,318,568	2
15,106	53,895,965	3,329,260	112,162,510	151,674,057	262,157,593	3
12,559	31,689,202	1,309,138	53,559,676	49,696,897	104,595,157	4
26,390	74,508,395	5,872,768	159,466,394	138,218,299	303,594,004	5
10,299	23,569,023	932,912	37,659,475	37,415,412	78,276,871	6
24,062	58,447,292	914,682	91,282,395	90,643,373	181,796,168	7
35,961	96,350,236	4,378,374	163,181,149	159,299,814	327,624,138	8
33,911	130,998,856	26,964,367	299,107,920	309,677,328	635,238,218	9
34,903	124,315,459	2,650,779	107,432,095	218,180,427	328,237,043	10
115,318	438,117,690	39,826,752	673,665,987	794,871,975	1,488,210,691	11
79,789	312,110,672	13,047,231	932,192,669	565,078,192	1,513,678,038	12
26,709	98,456,533	21,162,508	420,976,114	319,600,466	760,620,623	13
53,841	184,407,008	5,642,530	342,983,423	332,283,086	687,583,811	14
19,960	69,831,593	19,049,742	90,274,280	158,642,076	266,277,871	15
7,314	31,001,492	13,068,220	224,709,024	138,702,371	376,579,184	16
25,137	90,764,804	20,353,293	266,606,480	291,452,789	578,133,840	17
18,819	56,067,370	2,164,696	71,552,754	104,764,146	178,628,258	18
613,872	2,088,905,627	202,930,013	5,014,225,423	4,426,654,771	9,617,642,961	19
73,134	225,591,853	23,910,549	954,985,896	563,241,631	1,541,164,773	20
1,989	4,879,299	240,271	62,645,595	14,124,980	76,997,344	21
16,191	61,228,450	3,910,310	131,739,169	160,856,206	289,917,252	22
12,946	34,362,921	1,402,876	60,602,059	51,574,293	112,348,261	23
27,771	81,611,581	6,435,468	173,240,616	137,220,552	316,103,918	24
9,957	23,556,803	941,935	38,157,095	38,594,885	76,929,479	25
24,208	61,482,716	974,782	98,001,154	96,361,690	193,720,881	26
37,113	104,248,659	4,940,851	183,686,372	167,495,757	353,921,923	27
35,733	142,857,109	30,133,427	333,381,487	326,996,907	687,695,184	28
36,631	135,308,455	2,918,676	120,784,379	240,445,208	362,906,060	29
123,365	496,123,648	46,685,258	865,555,742	940,193,303	1,821,034,425	30
84,391	345,631,105	14,447,715	1,038,786,265	614,522,337	1,647,189,029	31
27,212	106,584,300	23,606,017	485,438,888	339,557,989	844,909,087	32
56,656	213,771,658	6,513,603	393,210,322	411,767,061	770,502,085	33
20,368	76,004,597	21,253,051	105,300,625	168,144,728	292,658,035	34
7,458	34,687,112	15,793,357	263,131,684	158,778,753	437,538,165	35
25,893	99,578,302	22,828,211	290,183,395	316,986,746	623,257,477	36
20,174	63,125,828	2,419,589	84,922,345	121,707,225	206,325,242	37
641,190	2,310,634,396	229,355,946	5,683,753,088	4,868,570,251	10,655,098,620	38

TABLE 6. Principal Statistics of the Individual Industries, 1956

No.	Industries	Establishments	Supervisory and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			No.	No.	\$	No.	No.	\$
<b>1. Foods and beverages:</b>								
Bakery products:								
1 Biscuits .....	13	166	112	1,169,332	743	1,303	5,104,250	
2 Bread and other bakery products .....	849	1,332	561	5,763,382	9,792	3,315	36,006,466	
Beverages:								
3 Breweries .....	21	765	222	5,433,633	2,349	6	9,499,808	
4 Carbonated beverages .....	173	762	326	4,599,829	1,703	132	4,652,018	
5 Distilled liquors .....	8	281	136	1,790,883	1,157	640	5,956,270	
6 Wines .....	12	101	52	838,928	265	37	919,529	
Canning and processing:								
7 Fruit and vegetable preparations .....	196	1,310	817	8,374,294	4,332	4,059	18,645,694	
Dairy products:								
8 Butter and cheese .....	435	1,075	596	5,064,676	5,342	358	18,224,765	
9 Cheese, process .....	8	41	17	219,787	112	149	620,516	
10 Concentrated milk products .....	16	128	59	719,700	653	59	2,204,527	
11 Dairy products, other .....	19	41	25	218,909	110	36	403,515	
Grain mill products:								
12 Feeds, stock and poultry, prepared .....	342	713	233	2,734,677	1,975	77	5,359,107	
13 Feed mills .....	393	418	46	945,148	688	6	1,330,388	
14 Flour mills .....	44	306	159	1,801,393	1,267	60	4,252,789	
15 Foods, breakfast .....	7	152	93	1,164,083	683	328	3,308,269	
Meat products:								
16 Animal oils and fats .....	9	32	19	235,179	156	—	508,023	
17 Sausage and sausage casings .....	51	175	46	827,710	442	205	1,728,041	
18 Slaughtering and meat packing .....	55	1,387	567	9,264,803	5,622	1,474	25,409,518	
Other food industries:								
19 Confectionery .....	96	459	399	2,954,849	1,848	2,479	10,043,383	
20 Macaroni and kindred products .....	6	23	7	161,596	89	60	363,856	
21 Sugar refineries .....	2							
22 Miscellaneous food preparations .....	110	965	587	7,063,310	2,112	1,200	9,705,020	
23 Totals .....	2,865	10,632	5,079	61,346,101	41,440	15,983	164,245,752	
<b>2. Tobacco and tobacco products:</b>								
Tobacco, cigars and cigarettes .....	9	61	35	394,525	178	304	1,381,624	
Tobacco processing and packing .....	10	161	18	970,200	624	608	2,132,950	
26 Totals .....	19	222	53	1,364,725	802	912	3,514,574	
<b>3. Rubber products:</b>								
Rubber goods; including footwear .....	48	2,955	1,240	17,671,416	9,933	2,063	43,557,034	
28 Totals .....	48	2,955	1,240	17,671,416	9,933	2,063	43,557,034	
<b>4. Leather products:</b>								
Footwear, leather .....	90	604	307	3,677,277	3,088	3,250	14,248,862	
Gloves and mittens, leather .....	21	30	26	194,296	126	208	606,424	
Leather tanning .....	23	309	111	1,894,348	2,627	267	8,743,942	
Other leather industries:								
Belting, leather .....	6	11	7	64,252	37	6	137,863	
Boot and shoe findings, leather .....	9	21	7	98,343	97	39	335,874	
Miscellaneous leather goods, n.e.s. ....	81	197	116	1,357,826	754	701	3,003,614	
35 Totals .....	230	1,172	574	7,286,342	6,729	4,471	27,076,579	
<b>5. Textiles:</b>								
Cotton goods:								
Cotton thread .....	4	20	10	137,818	31	66	258,464	
Cotton yarn and cloth .....	26	618	337	3,916,112	3,646	2,734	16,161,041	
Miscellaneous cotton goods .....	5	41	11	283,635	288	65	1,002,836	
Woollen goods:								
Carpets, mats and rugs .....	12	166	80	995,986	754	397	3,153,786	
Woollen cloth .....	25	303	165	1,791,944	1,748	1,439	7,254,778	
Woollen yarn .....	18	162	117	1,129,427	793	1,045	4,297,935	
42 Miscellaneous woollen goods .....	24	134	70	1,273,694	817	229	3,054,489	

<sup>1</sup> See footnote 1 page 7.

TABLE 6. Principal Statistics of the Individual Industries, 1956

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.
No.	\$	\$	\$	\$	\$	No.
2,324	6,273,582	408,339	14,630,123	17,715,009	32,941,328	1
15,000	41,769,848	4,392,254	60,786,551	63,282,436	128,404,739	2
3,342	14,933,441	1,164,267	22,369,678	62,808,904	86,719,251	3
2,923	9,251,847	1,155,022	13,176,075	26,803,707	41,028,166	4
2,214	7,747,153	1,011,154	24,182,064	49,721,759	74,225,761	5
455	1,758,457	126,798	4,664,611	6,624,129	11,736,379	6
10,518	27,019,988	2,080,915	98,383,729	68,127,594	168,448,987	7
7,371	23,289,441	3,347,108	108,385,356	37,837,876	149,641,307	8
319	840,303	55,020	5,717,415	1,220,380	7,430,877	9
899	2,924,227	954,519	29,356,155	9,791,560	41,356,017	10
212	622,424	144,753	1,994,081	1,656,187	3,793,091	11
2,998	8,093,784	1,490,408	73,562,280	22,982,500	97,808,676	12
1,158	2,275,536	608,236	16,352,742	4,345,265	21,244,429	13
1,792	6,054,182	707,757	74,263,823	12,604,808	87,497,208	14
1,256	4,472,352	377,515	11,003,077	17,197,188	28,025,110	15
207	743,202	210,054	1,646,624	1,294,944	3,173,691	16
868	2,555,751	283,713	8,339,290	5,687,797	14,187,618	17
9,050	34,674,321	2,341,210	259,163,528	71,161,876	332,270,861	18
5,185	12,998,232	739,995	36,041,744	31,946,148	68,362,284	19
179	525,452	63,431	2,139,553	1,343,464	3,497,378	20
4,864	16,768,330	2,248,081	88,827,397	49,088,100	139,371,615	21
73,134	225,591,853	23,910,549	934,985,896	563,241,631	1,541,164,773	23
578	1,776,149	31,339	5,601,197	6,015,489	11,634,523	24
1,411	3,103,150	208,932	57,044,398	8,109,491	65,362,821 <sup>2</sup>	25
1,989	4,879,299	240,271	62,645,595	14,124,980	76,997,344	26
16,191	61,228,450	3,910,310	131,739,169	160,856,206	289,917,252	27
16,191	61,228,450	3,910,310	131,739,169	160,856,206	289,917,252	28
7,249	17,926,139	283,907	23,710,466	27,662,154	50,971,575	29
390	800,720	23,189	1,235,270	1,195,503	2,424,378	30
3,314	10,638,290	949,914	27,712,209	15,252,679	43,729,901	31
61	202,115	19,113	367,593	379,592	758,884	32
164	434,217	33,125	1,401,694	576,219	1,952,852	33
1,768	4,361,440	93,628	6,174,827	6,508,146	12,510,671	34
12,946	34,362,921	1,402,876	60,602,059	51,574,293	112,348,261	35
127	396,282	36,551	1,141,964	1,082,286	2,159,900	36
7,335	20,077,153	1,287,892	40,062,010	28,887,326	71,233,976	37
405	1,286,471	86,946	3,393,524	2,069,123	5,487,222	38
1,397	4,149,772	299,158	8,066,296	6,759,748	14,595,622	39
3,655	9,046,722	681,582	16,792,890	12,709,747	30,390,804	40
2,117	5,427,362	338,604	15,362,404	8,455,434	24,183,494	41
1,250	4,328,183	297,731	11,871,200	8,234,897	20,503,103	42

<sup>1</sup> Reported on a production basis.

TABLE 6. Principal Statistics of the Individual Industries, 1956 — Continued

No.	Industries	Establishments	Supervisory and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
		No.	No.	No.	\$	No.	No.	\$
1	5. Textiles—Con.							
1	Synthetic textiles and silk .....	12	889	300	5,042,869	2,930	727	12,296,466
2	Other primary textiles:							
2	Dyeing and finishing of textiles .....	17	55	28	401,673	316	79	1,058,863
3	Narrow fabrics .....	19	54	40	401,625	189	355	1,209,179
4	Other textile industries:							
4	Automobile accessories, fabric .....	12	104	53	751,952	329	381	2,190,437
5	Awnings, tents and sails .....	68	119	43	431,718	279	290	1,081,706
6	Bags, cotton and jute .....	11	32	17	219,356	79	167	553,194
7	Cordage, rope and twine .....	7	83	51	683,920	551	200	2,221,033
8	Embroideries, pleating, hemstitching, etc. ....	41	52	23	282,069	87	151	436,786
9	Oilcloth, linoleum and other coated fabrics .....	4	392	174	2,491,532	292	66	1,204,267
10	Miscellaneous textiles, n.e.s. ....	73	216	173	1,528,597	360	759	2,412,394
11	<b>Totals</b> .....	<b>378</b>	<b>3,440</b>	<b>1,692</b>	<b>21,763,927</b>	<b>13,489</b>	<b>9,150</b>	<b>59,847,654</b>
12	6a. Knitting mills:							
12	Hosiery .....	45	205	226	1,731,568	1,214	1,884	7,417,878
13	Knitted goods .....	75	353	342	3,091,069	1,314	4,419	11,316,288
14	<b>Totals</b> .....	<b>120</b>	<b>558</b>	<b>568</b>	<b>4,822,637</b>	<b>2,528</b>	<b>6,303</b>	<b>18,734,166</b>
15	6b. Clothing:							
15	Men's, women's and children's clothing:							
15	Clothing, children's, factory .....	46	101	76	639,280	184	1,117	2,395,045
16	Clothing, men's, factory .....	143	995	700	6,200,673	2,905	5,829	19,934,494
17	Clothing, women's, factory .....	197	467	356	3,767,118	1,580	3,839	12,647,277
18	Clothing contractors, men's .....	16	28	1	81,120	59	89	347,750
19	Clothing contractors, women's .....	13	23	2	80,695	25	175	314,009
20	Miscellaneous clothing:							
20	Corsets .....	19	103	163	976,839	187	1,162	2,633,814
21	Fur dressing and dyeing .....	4	25	5	96,745	135	35	471,747
22	Fur goods .....	172	321	88	1,581,206	738	311	3,305,048
23	Hats and caps .....	61	168	80	1,047,251	663	722	3,342,465
24	Oiled and waterproofed clothing .....	6	13	8	75,909	36	95	251,604
25	Clothing n.e.s. ....	21	38	38	317,337	106	417	975,290
26	Gloves and mittens, fabric .....	2						
27	<b>Totals</b> .....	<b>700</b>	<b>2,282</b>	<b>1,517</b>	<b>14,864,173</b>	<b>6,618</b>	<b>13,791</b>	<b>46,618,543</b>
28	7. Wood products:							
28	Furniture .....	750	2,056	779	11,260,639	12,091	1,145	37,253,598
29	Saw and planing mills:							
29	Flooring, hardwood .....	11	102	29	705,629	739	11	1,905,829
30	Sash, door and planing mills .....	471	928	234	3,991,271	4,199	79	11,322,975
31	Sawmills .....	961	1,458	83	3,523,357	5,776	70	14,090,841
32	Veneer and plywood .....	19	177	52	885,525	1,372	316	4,273,417
33	Other wood industries:							
33	Beekeepers' and poultrymen's supplies .....	5	5	1	8,634	4	—	8,661
34	Boxes and baskets, wood .....	61	203	65	984,452	1,520	321	4,388,142
35	Cooperage .....	7	49	22	277,449	308	1	915,910
36	Excelsior .....	4	6	3	27,151	35	6	87,942
37	Lasts, trees and shoe findings .....	6	16	5	101,119	92	50	361,719
38	Morticians' goods .....	18	57	35	369,535	417	64	1,247,755
39	Woodenware .....	8	17	6	71,548	97	28	246,710
40	Wood turning .....	19	54	21	291,253	425	57	1,165,200
41	Miscellaneous wood products n.e.s. ....	98	224	87	1,224,638	910	206	3,257,760
42	<b>Totals</b> .....	<b>2,438</b>	<b>5,352</b>	<b>1,422</b>	<b>23,722,200</b>	<b>27,985</b>	<b>2,354</b>	<b>80,526,459</b>

<sup>1</sup> See footnote 1 page 7.

TABLE 6. Principal Statistics of the Individual Industries, 1956 — Continued

Total employees	Total salaries and wage	Cost of fuel and electricity	Cost at plant of materials used	Valued added by manufacture <sup>1</sup>	Selling value of factory shipments	No.
No.	\$	\$	\$	\$	\$	
4,846	17,339,335	2,550,551	32,460,175	38,430,480	72,421,569	1
478	1,460,536	146,539	1,098,082	2,570,208	3,716,494	2
638	1,610,804	54,873	2,414,592	2,746,853	5,160,175	3
867	2,942,389	120,219	7,689,111	4,342,834	12,138,690	4
731	1,513,424	68,985	3,398,411	2,362,083	5,819,273	5
295	772,550	34,360	5,123,240	1,177,177	6,302,131	6
885	2,904,953	119,258	7,145,717	5,955,121	13,295,027	7
313	718,855	21,450	620,227	1,153,539	1,714,848	8
924	3,695,799	116,772	5,797,237	3,487,863	9,406,768	9
1,508	3,940,991	173,997	10,803,536	6,795,833	17,574,822	10
27,771	81,611,581	6,435,468	173,240,616	137,220,552	316,103,918	11
3,529	9,149,446	325,046	11,071,938	15,702,579	26,853,688	12
6,428	14,407,357	616,889	27,085,157	22,892,306	50,075,791	13
9,957	23,556,803	941,935	38,157,095	38,594,885	76,929,479	14
1,478	3,034,325	39,186	4,662,535	6,069,602	10,577,051	15
10,429	26,135,167	311,795	40,860,104	39,900,041	80,155,925	16
6,242	16,414,395	201,159	26,992,042	25,857,421	52,577,025	17
177	428,870	8,668	102,135	575,093	687,118	18
225	394,704	9,614	86,385	994,687	1,103,111	19
1,615	3,610,653	70,852	4,984,206	6,323,421	11,482,648	20
200	568,492	22,417	196,379	772,874	963,846	21
1,458	4,886,254	135,559	11,378,287	7,161,678	18,710,305	22
1,633	4,389,716	138,404	5,483,429	6,273,582	11,807,415	23
152	327,513	9,591	787,708	248,742	1,077,304	24
599	1,292,627	27,537	2,467,944	2,184,549	4,579,133	25
24,208	61,482,716	974,782	98,001,154	96,361,690	193,720,881	27
16,071	48,514,237	1,710,765	71,754,730	75,818,420	147,883,962	28
881	2,611,458	111,269	7,002,206	3,964,071	10,827,575	29
5,440	15,314,246	1,070,191	32,035,650	22,136,196	55,346,352	30
7,367	17,614,198	1,098,654	41,120,993	32,449,067	74,668,714 <sup>2</sup>	31
1,917	5,158,942	187,854	9,020,689	9,559,581	18,419,133	32
10	17,295	4,336	61,922	49,173	114,481	33
2,109	5,372,594	243,207	7,779,059	8,325,483	16,213,264	34
380	1,193,359	73,327	3,132,574	1,529,933	4,714,842	35
50	115,093	10,706	105,578	176,427	294,036	36
163	462,838	15,146	340,000	788,046	1,129,908	37
573	1,617,290	60,642	1,619,483	2,493,832	4,108,679	38
148	318,258	18,231	496,801	446,199	1,003,434	39
557	1,456,453	63,386	1,592,731	2,157,182	3,781,062	40
1,427	4,482,398	273,137	7,623,956	7,602,147	15,416,481	41
37,113	104,248,659	4,940,851	183,686,372	167,495,757	353,921,923	42

<sup>2</sup> Reported on a production basis.

TABLE 6. Principal Statistics of the Individual Industries, 1956 — Continued

No.	Industries	Establishments	Supervisory and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
		No.	No.	No.	\$	No.	No.	\$
<b>8. Paper products:</b>								
1	Boxes and bags, paper .....	106	1,024	566	6,771,740	4,188	2,210	19,771,178
2	Pulp and paper .....	41	2,583	898	21,237,932	16,481	354	70,051,868
3	Roofing paper .....	7	129	49	661,196	362	31	1,376,031
4	Miscellaneous paper goods .....	109	994	696	7,259,148	3,421	1,747	15,728,016
5	<b>Totals .....</b>	<b>263</b>	<b>4,730</b>	<b>2,209</b>	<b>35,930,016</b>	<b>24,452</b>	<b>4,342</b>	<b>106,927,093</b>
<b>9. Printing, publishing and allied industries:</b>								
Commercial printing:								
6	Printing and bookbinding .....	787	2,273	1,238	14,533,677	6,851	2,957	30,884,019
7	Trade composition .....	28	112	39	607,286	481	10	1,928,376
Engraving, stereotyping and allied industries:								
8	Engraving, stereotyping and electro-typing .....	75	461	233	3,573,710	1,994	457	10,472,336
9	Lithographing .....	53	366	265	3,267,485	1,657	704	8,370,710
Printing and publishing:								
10	Printing and publishing .....	292	4,476	2,667	27,606,486	6,468	844	29,908,097
11	Publishing (only) of periodicals .....	648	1,061	1,017	4,156,273	—	—	—
12	<b>Totals .....</b>	<b>1,883</b>	<b>8,749</b>	<b>5,459</b>	<b>53,744,917</b>	<b>17,451</b>	<b>4,972</b>	<b>81,563,538</b>
<b>10. Iron and steel products:</b>								
13	Agricultural implements .....	28	1,890	483	9,832,914	6,412	76	23,853,210
14	Boilers, tanks and platework .....	51	1,354	444	7,429,419	3,592	16	13,836,867
15	Bridge and structure steel work .....	25	982	218	5,910,908	4,036	17	16,936,192
16	Castings, iron .....	92	1,188	489	7,913,559	9,387	174	36,897,772
17	Hardware, tools and cutlery .....	284	1,625	836	10,726,348	7,320	1,158	28,646,995
18	Heating and cooking apparatus .....	60	1,178	529	7,539,632	4,063	206	14,731,922
19	Machinery, household, office and store .....	46	1,316	534	7,523,499	4,151	622	16,486,187
20	Machinery, industrial .....	199	3,213	1,296	19,179,989	9,888	487	38,988,322
21	Machine shops .....	241	427	113	2,095,626	1,977	68	5,977,100
22	Machine tools .....	11	292	104	1,987,570	1,076	—	3,939,831
23	Primary iron and steel .....	18	2,790	912	20,516,335	21,752	200	101,635,395
24	Sheet metal products .....	196	1,892	797	13,026,398	8,109	1,116	32,243,057
25	Wire and wire goods .....	73	892	409	5,829,190	4,299	553	18,525,194
26	Miscellaneous iron and steel products .....	173	973	313	5,911,518	4,740	381	18,002,699
27	<b>Totals .....</b>	<b>1,497</b>	<b>20,012</b>	<b>7,477</b>	<b>125,422,905</b>	<b>90,802</b>	<b>5,074</b>	<b>370,700,743</b>
<b>11. Transportation equipment:</b>								
28	Aircraft and parts .....	24	6,261	1,736	37,480,064	11,640	231	46,484,005
29	Bicycles and parts .....	3	84	51	547,186	399	51	1,512,228
30	Boat building .....	63	118	36	505,384	619	28	1,873,838
31	Motor vehicles .....	9	6,120	1,622	39,801,755	26,044	453	106,626,193
32	Motor vehicle parts .....	116	2,936	1,047	19,104,477	13,839	2,274	58,630,921
33	Railway rolling stock .....	12	833	223	5,380,064	5,196	16	18,663,536
34	Shipbuilding .....	12	235	68	1,248,176	1,632	6	5,995,475
35	Miscellaneous transportation equipment .....	10	62	33	463,989	356	142	1,313,814
36	<b>Totals .....</b>	<b>249</b>	<b>16,649</b>	<b>4,816</b>	<b>104,531,095</b>	<b>59,725</b>	<b>3,201</b>	<b>241,100,010</b>
<b>12. Non-ferrous metal products:</b>								
37	Aluminum products .....	59	726	358	4,740,982	3,158	228	11,303,813
38	Brass and copper products .....	87	829	374	5,479,148	3,742	423	15,096,562
39	Jewellery and silverware .....	103	390	296	2,665,204	1,445	761	6,584,246
40	Non-ferrous metal smelting and refining ..	9	1,374	171	8,456,564	9,437	3	39,322,454
41	White metal alloys .....	33	373	144	2,519,917	1,535	487	6,499,829
42	Miscellaneous non-ferrous metal products .....	13	247	79	1,581,256	522	110	2,334,325
43	<b>Totals .....</b>	<b>304</b>	<b>3,939</b>	<b>1,422</b>	<b>25,443,071</b>	<b>19,839</b>	<b>2,012</b>	<b>81,141,229</b>
<b>13. Electrical apparatus and supplies:</b>								
44	Batteries .....	15	314	176	2,128,884	830	282	3,914,296
45	Refrigerators, vacuum cleaners and appliances .....	56	1,267	555	8,705,985	4,448	1,273	19,110,771
46	Machinery, heavy, electrical .....	53	5,613	2,006	34,744,905	11,224	2,681	53,306,058
47	Telecommunication equipment .....	87	3,159	1,225	20,561,508	4,493	5,264	27,507,130
48	Misc. electrical apparatus and supplies .....	99	2,091	1,005	14,343,825	6,422	2,328	29,448,296
49	<b>Totals .....</b>	<b>310</b>	<b>12,444</b>	<b>4,967</b>	<b>80,483,107</b>	<b>27,417</b>	<b>11,828</b>	<b>133,286,551</b>

<sup>1</sup> See footnote 1 page 7.

TABLE 6. Principal Statistics of the Individual Industries, 1956 — Continued

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.
No.	\$	\$	\$	\$	\$	No.
7,988	26,542,918	940,007	76,611,310	48,720,201	125,459,373	1
20,316	91,289,800	27,825,804	188,607,881	227,429,017	441,628,702	2
571	2,037,227	200,550	6,548,469	6,021,302	13,165,794	3
6,858	22,987,164	1,167,066	61,613,827	44,826,387	107,441,315	4
35,733	142,857,109	30,133,427	333,381,487	326,996,907	687,895,184	5
13,319	45,417,696	1,113,366	48,260,677	78,539,003	127,157,891	6
642	2,535,662	40,111	271,923	3,581,548	3,901,764	7
3,145	14,046,046	292,522	5,813,828	21,440,932	27,347,934	8
2,992	11,638,195	203,921	14,296,622	19,923,882	34,284,113	9
14,455	57,514,583	1,268,756	41,488,660	105,944,540	148,546,386	10
2,078	4,156,273	—	10,652,669	11,015,303	21,667,972 <sup>1</sup>	11
36,631	135,308,455	2,918,676	120,784,379	240,445,208	362,906,060	12
8,861	33,686,124	1,683,317	58,215,977	46,659,425	111,059,789	13
5,406	21,266,286	822,292	28,195,458	32,319,060	61,228,276	14
5,253	22,847,100	753,017	33,985,874	40,936,569	75,675,460 <sup>2</sup>	15
11,238	44,811,331	2,939,281	90,009,054	85,264,991	175,425,420	16
10,939	39,373,343	1,650,796	44,161,133	71,854,079	115,247,984	17
5,976	22,271,554	1,043,214	47,007,139	39,807,767	84,917,640	18
6,623	24,009,686	624,766	51,697,020	52,849,315	102,657,248	19
14,884	58,168,311	1,694,579	83,573,849	112,795,141	189,129,281	20
2,585	8,072,726	340,566	5,610,753	12,234,785	18,012,514	21
1,472	5,927,401	155,081	5,402,839	8,353,769	13,495,383	22
25,654	122,151,730	29,673,417	239,452,056	271,173,067	531,684,074	23
11,914	45,269,455	2,086,578	97,323,294	80,644,750	176,746,722	24
6,153	24,354,384	1,283,756	50,420,668	44,447,045	93,668,886	25
6,407	23,914,217	1,934,598	30,500,628	40,853,540	72,085,748	26
123,365	496,123,648	46,685,258	865,555,742	940,193,303	1,821,034,425	27
19,868	83,964,069	2,590,727	90,764,813	112,784,782	206,140,322 <sup>2</sup>	28
585	2,059,414	97,944	1,847,997	3,957,064	5,968,143	29
801	2,379,222	82,959	2,535,107	3,125,790	5,613,276	30
34,239	146,427,948	5,881,605	691,146,202	293,018,027	976,395,839	31
20,096	77,735,398	4,396,790	170,269,794	146,647,126	314,359,075	32
6,268	24,043,600	1,030,820	72,620,287	42,007,232	115,658,339 <sup>2</sup>	33
1,941	7,243,651	277,210	7,401,613	10,115,448	17,794,271 <sup>1</sup>	34
593	1,777,803	89,660	2,200,452	2,866,868	5,239,764	35
84,391	345,631,105	14,447,715	1,038,786,265	614,522,337	1,647,169,029	36
4,470	16,044,795	1,383,585	33,337,445	26,424,312	58,651,692	37
5,368	20,575,710	1,324,500	92,894,966	40,439,412	134,380,898	38
2,892	9,249,450	301,886	23,059,488	15,641,247	38,429,021	39
10,985	47,779,018	19,587,138	300,682,938	233,785,554	554,055,630 <sup>2</sup>	40
2,539	9,019,746	784,884	28,676,327	16,033,871	45,508,133	41
958	3,915,581	224,024	6,787,724	7,233,593	13,883,713	42
27,212	106,584,300	23,606,017	485,438,888	339,557,989	844,909,087	43
1,602	6,043,180	386,410	18,345,631	11,031,118	30,080,974	44
7,543	27,816,756	1,176,249	59,177,399	65,385,621	118,501,819	45
21,524	88,050,963	2,258,015	102,757,112	149,083,838	234,826,366	46
14,141	48,068,638	1,002,021	106,947,987	89,184,545	187,796,572	47
11,846	43,792,121	1,690,908	105,982,193	97,081,939	199,296,354	48
56,656	213,771,658	6,513,603	393,210,322	411,787,061	770,502,085	49

<sup>1</sup> Reported on a production basis.

TABLE 6. Principal Statistics of the Individual Industries, 1956 — Concluded

No.	Industries	Establishments	Supervisory and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			No.	No.	\$	No.	No.	\$
14.	<b>Non-metallic mineral products:</b>							
1	Abrasives, artificial .....	12	431	160	3,022,739	1,742	101	7,127,014
2	Asbestos products .....	8	127	46	678,289	592	20	2,595,501
3	Cement, hydraulic .....	5	128	15	778,193	722	2	2,928,830
4	Clay products from domestic clay .....	64	162	41	981,491	1,809	38	6,179,804
5	Clay products from imported clay .....	21	165	55	1,084,036	936	158	3,660,727
6	Concrete products .....	250	908	183	4,492,749	3,537	17	11,945,550
7	Glass and glass products .....	57	471	270	2,946,032	3,418	616	14,084,069
8	Lime .....	12	44	7	213,847	406	—	1,539,788
9	Salt .....	7	83	17	428,097	337	20	1,363,430
10	Sand lime brick .....	3	—	—	54,297	84	—	253,670
11	Stone products .....	61	231	59	1,259,095	1,062	7	3,970,101
	Other non-metallic mineral industries:							
12	Gypsum products .....	2	}	343	139	2,229,933	628	21
13	Misc. non-metallic mineral products .....	25		—	—	—	—	2,187,315
14	<b>Totals</b> .....	527	<b>3,103</b>	<b>992</b>	<b>18,168,798</b>	<b>15,273</b>	<b>1,000</b>	<b>57,835,799</b>
15.	<b>Products of petroleum and coal:</b>							
15	Coke and gas products .....	13	224	106	1,475,971	1,380	—	6,038,096
16	Petroleum products .....	13	2,064	775	15,147,466	2,607	34	11,059,372
17	Misc. products of petroleum and coal .....	9	78	45	427,521	143	2	538,686
18	<b>Totals</b> .....	35	<b>2,366</b>	<b>926</b>	<b>17,050,958</b>	<b>4,130</b>	<b>36</b>	<b>17,636,154</b>
16.	<b>Chemicals and allied products:</b>							
19	Acids, alkalies and salts .....	25	1,222	334	7,922,137	3,103	42	12,778,433
20	Fertilizers .....	23	173	60	939,504	586	3	2,148,576
21	Medicinal and pharmaceutical preparations .....	94	632	724	5,662,485	1,150	1,326	6,792,603
22	Paints, varnishes and lacquers .....	69	752	447	5,022,534	1,688	104	6,114,678
23	Primary plastics .....	12	155	56	978,943	530	22	2,117,655
24	Soaps, washing compounds and cleaning preparations .....	68	762	452	5,682,226	1,457	360	6,853,274
25	Toilet preparations .....	53	207	300	1,954,606	321	587	2,011,643
26	Vegetable oils .....	4	88	20	555,251	223	—	814,356
	Other chemical industries:							
27	Adhesives .....	15	100	52	646,697	283	28	1,018,962
28	Coal tar distillation .....	5	50	11	313,981	246	2	937,300
29	Gases, compressed .....	16	223	160	1,325,054	278	—	1,072,192
30	Inks .....	20	171	92	1,423,647	572	24	1,904,486
31	Polishes and dressings .....	28	128	163	1,303,104	167	147	829,004
32	Miscellaneous chemical products n.e.s. ....	126	1,313	550	8,591,746	2,993	254	11,863,225
33	<b>Totals</b> .....	558	<b>5,976</b>	<b>3,421</b>	<b>42,321,915</b>	<b>13,597</b>	<b>2,899</b>	<b>57,256,387</b>
17.	<b>Miscellaneous industries:</b>							
34	Brooms, brushes and mops .....	42	148	127	1,013,313	540	283	1,972,249
35	Clocks, watches and watch cases .....	13	118	88	931,526	293	426	2,147,700
36	Fountain pens and pencils .....	9	125	96	923,832	120	299	1,002,495
37	Instruments and related products .....	48	862	410	6,243,018	1,837	798	9,685,626
38	Musical instruments .....	17	80	50	517,583	469	179	1,910,660
39	Ophthalmic goods .....	19	124	80	779,206	321	197	1,286,733
40	Orthopaedic and surgical appliances .....	15	41	29	280,515	73	133	397,811
41	Plastics products .....	98	394	227	2,536,274	1,363	1,164	6,089,306
42	Sporting goods .....	53	224	124	1,297,385	602	453	2,840,727
43	Toys and games .....	48	92	69	698,367	343	695	1,964,327
44	Typewriter supplies .....	6	65	38	424,357	166	89	621,027
	Other miscellaneous industries:							
45	Artificial flowers and feathers .....	14	18	11	82,424	42	71	185,751
46	Buttons, buckles and fasteners .....	13	128	90	894,561	261	249	1,587,187
47	Hair goods .....	6	10	7	96,702	40	13	122,142
48	Ice, artificial .....	26	63	20	281,230	178	1	564,518
49	Lamps, electric and lamp shades .....	29	65	60	411,168	241	245	1,035,958
50	Models and patterns, excluding paper ..	53	75	15	443,146	326	6	1,287,848
51	Pipes, lighters and smokers' supplies..	6	22	23	165,706	35	52	265,955
52	Signs, electric, neon and other .....	168	305	91	1,514,021	955	108	3,198,355
53	Stamps and stencils, rubber and metal ..	36	105	58	730,722	402	146	1,533,224
54	Statuary, art goods, regalia and novelties ..	45	56	28	275,273	142	119	581,077
55	Umbrellas .....	2	}	121	99	873,133	342	276
56	Candles .....	1		99	873,133	342	276	1,451,690
57	Miscellaneous industries n.e.s. ....	26	—	—	—	—	—	—
58	<b>Totals</b> .....	791	<b>3,241</b>	<b>1,840</b>	<b>21,413,462</b>	<b>9,091</b>	<b>6,002</b>	<b>41,712,366</b>
59	<b>Grand totals, all industries</b> .....	13,215	<b>107,822</b>	<b>45,674</b>	<b>677,353,765</b>	<b>391,301</b>	<b>96,393</b>	<b>1,633,280,631</b>

<sup>1</sup> See footnote 1 page 7.

TABLE 6. Principal Statistics of the Individual Industries, 1956 — Concluded

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.
No.	\$	\$	\$	\$	\$	
2,434	10,149,753	3,358,482	15,531,367	20,056,192	38,554,005	1
785	3,273,790	291,223	5,526,563	9,790,000	15,169,308	2
867	3,707,023	4,464,478	2,793,131	14,791,307	22,048,916 <sup>2</sup>	3
2,050	7,161,295	3,079,483	432,765	15,661,088	19,173,336 <sup>2</sup>	4
1,314	4,744,763	598,770	4,595,623	7,798,361	12,872,292	5
4,645	16,438,299	2,294,503	34,052,599	36,364,184	72,067,969	6
4,775	17,030,101	2,759,894	23,148,055	29,051,019	54,564,872	7
457	1,753,635	2,057,275	554,002	6,025,744	8,637,021 <sup>2</sup>	8
457	1,791,527	660,517	1,512,354	6,791,566	8,964,437 <sup>2</sup>	9
94	307,967	39,564	187,228	535,301	748,533	10
1,359	5,229,196	810,420	7,275,576	12,707,927	20,786,164	11
1,131	4,417,248	838,442	9,691,362	8,572,039	19,071,182	12
20,388	76,004,597	21,263,051	105,300,625	168,144,728	292,658,035	14
1,710	7,514,067	3,104,563	45,267,452	24,522,523	72,894,538 <sup>2</sup>	15
5,480	26,206,838	12,567,648	214,388,049	130,759,078	357,663,026 <sup>2</sup>	16
268	966,207	121,146	3,476,183	3,497,152	6,980,601	17
7,458	34,687,112	15,793,357	263,131,684	158,778,753	437,538,165	18
4,701	20,700,570	10,354,888	42,729,113	52,623,051	102,509,807	19
822	3,088,080	919,516	17,888,675	9,524,225	27,700,432	20
3,832	12,455,088	374,654	18,312,022	43,728,281	62,579,445	21
2,991	11,137,212	569,755	35,829,386	32,620,848	69,268,016	22
763	3,096,598	509,226	18,583,821	11,177,352	30,497,681	23
3,031	12,535,500	1,160,859	40,875,170	55,754,121	96,798,597	24
1,415	3,966,249	107,268	10,594,068	16,363,867	26,736,466	25
331	1,369,607	350,439	25,387,735	3,456,514	28,615,905	26
463	1,665,659	365,400	3,691,104	4,615,101	8,736,178	27
309	1,251,281	506,196	5,456,113	3,231,737	9,126,578	28
661	2,397,246	280,732	1,348,554	5,894,047	7,521,679	29
859	3,328,133	123,202	5,877,120	7,944,528	13,861,113	30
605	2,132,108	93,502	6,789,124	8,995,917	15,621,565	31
5,110	20,454,971	7,112,574	56,821,390	61,057,157	123,684,015	32
25,893	99,578,302	22,828,211	290,183,395	316,986,746	623,257,477	33
1,098	2,985,562	82,283	4,470,023	6,095,688	10,521,947	34
925	3,079,226	41,043	5,907,115	6,585,224	12,556,010	35
640	1,926,327	58,230	2,913,026	4,431,923	7,131,040	36
3,907	15,928,644	412,055	17,796,272	34,571,722	51,430,271	37
778	2,428,243	132,934	2,978,003	4,969,116	8,150,363	38
722	2,065,939	63,154	1,747,416	2,304,618	4,011,302	39
276	678,326	18,440	802,185	1,126,544	2,034,432	40
3,148	8,625,580	417,283	16,967,346	18,144,919	34,834,399	41
1,403	4,138,112	137,862	4,518,015	7,288,896	11,797,605	42
1,199	2,662,894	133,268	6,140,810	4,967,381	11,034,573	43
358	1,045,384	33,722	2,500,987	2,489,172	5,025,000	44
142	268,175	10,427	206,484	507,160	723,906	45
728	2,481,748	76,990	2,548,701	3,226,143	6,360,870	46
70	218,844	7,466	494,399	426,219	945,489	47
262	845,748	219,788	114,142	1,347,514	1,683,052	48
611	1,447,126	56,765	2,435,347	2,646,394	5,146,800	49
422	1,710,994	51,617	687,239	2,497,040	3,216,214	50
132	431,661	16,034	1,401,340	1,286,634	2,461,637	51
1,459	4,712,376	281,652	4,767,944	7,385,484	12,343,818	52
711	2,283,946	66,515	1,444,498	3,231,886	4,701,514	53
345	856,350	30,213	959,834	1,317,148	2,310,445	54
838	2,324,823	71,848	3,121,219	4,860,400	7,904,755	55
20,174	83,125,828	2,419,589	84,922,345	121,707,225	208,325,242	58
641,190	2,310,634,396	229,355,946	5,683,753,088	4,868,570,251	10,655,098,620	59

<sup>2</sup> Reported on a production basis.

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