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# THE MANUFACTURING INDUSTRIES OF CANADA

## Section A

## SUMMARY FOR CANADA

1957



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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
- 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
- Section B. Atlantic Provinces
- Section C. Province of Quebec
- Section D. Province of Ontario
- Section E. Prairie Provinces
- Section F. Province of British Columbia, including Yukon and  
Northwest Territories
- Section G. The Manufacturing Industries of Canada,  
Regional Distribution

*Prices of most reports released after January 1, 1959 have been increased. Information on the new prices of particular issues is available on request from the Information Services Division of the Dominion Bureau of Statistics.*

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# THE MANUFACTURING INDUSTRIES OF CANADA

## Section A

### SUMMARY FOR CANADA

1957

In spite of a downturn in production in the fall of the year, the manufacturing industries of Canada in 1957 established new record highs in number of employees, salaries and wages paid and the selling value of factory shipments. Shipments at \$22,183,594,311 were the highest on record and exceeded by 2.5 per cent the high mark attained the previous year. In employment, the record was not so impressive. Although there was an increase of 0.4 per cent in the number employed in 1957 as compared with 1956, the number still was only 31,610 higher than the record number employed in 1953. Salaries and wages paid at \$4,819,627,999 and value added by manufacture at \$9,822,084,726 were the highest on record, exceeding the previous high of 1956 by substantial margins. The physical output of manufactured products, however, declined 1.8 per cent in spite of the fact that the number of employees was 0.4 per cent higher. A drop of about 2 per cent in the average number of hours worked per week in 1957 contributed to this result.

The physical volume of production in 1957 was down 1.8 per cent from the record level of the previous year, while the selling value of factory shipments was 25 per cent higher. This is more or less accounted for by an increase in the wholesale prices of partly and fully manufactured goods. In spite of the minor downturn in production, the output of non-durable goods continued to expand and recorded a minor increase of 0.9 per cent. The production of durable goods on the other hand recorded a decline of 4.6 per cent, which resulted in a net decline of 1.8 per cent for manufacturing as a whole. The total index for manufacturing in 1957 stood at 142.5. For non-durable goods it was 139.3 and for durable goods 146.2. Since the end of the war the durable goods sector experienced an almost uninterrupted expansion in volume of production, the only exception being 1954 and 1957 when the output was lower than the previous year. Non-durable goods industries fared better, having experienced only one year of lower output, viz. 1954. In spite of the steadier expansion, the non-durable goods sector recorded an increase in volume of only 54 per cent between 1946 and 1956 while durable goods increased by 92 per cent during the same period.

In the non-durable goods sector the trend in physical output in 1957 was mixed, with the majority of the industrial groups reporting higher output. The greatest gain in volume of production of 10.3 per cent as compared with 1956 was reported by the tobacco and tobacco products group. This was followed by miscellaneous industries with an increase of 4.3 per cent, chemicals and allied prod-

ucts 3.8 per cent, beverages 3.5 per cent, products of petroleum and coal 3.4 per cent, foods 1.4 per cent, and printing, publishing and allied industries 0.7 per cent. Four groups reported declines in volume. Rubber and rubber products reported a drop of 4.0 per cent; clothing, including knitting mills, 2.0 per cent; paper products 1.7 per cent; and textiles 0.3 per cent. The leather products group which has experienced a long-term downward trend reported no change in 1957. This compares with an increase of 8.2 per cent the previous year.

In the durable goods sector, all groups, with the exception of non-metallic mineral products, reported lower levels of production. The greatest decline of 9.5 per cent was reported by the wood products group, followed by electrical apparatus and supplies with 5.1 per cent; transportation equipment 4.6 per cent; iron and steel products 3.9 per cent; and non-ferrous metal products 3.3 per cent. The non-metallic mineral products group which produces mainly building materials managed to come up with a minor increase of 0.9 per cent. This result is a reflection of the high level at which the construction industry operated, in spite of the general slackening in economic activity. The wood products group which also produces building materials on the other hand reported a substantial decline in physical output. This was due mainly to the continuing decline in exports. Planks and boards dropped from 3,936,161 M feet in 1956 to 3,635,497 M feet in 1957; red cedar shingles from 1,959,352 roofing squares to 1,718,203 roofing squares, and veneer and plywood from 738,158 M square feet to 490,750 M square feet. Not all industries in the transportation group were affected by the general slowing down in production. The motor vehicle industry with a drop of 12 per cent in volume was the most severely affected, the number of motor vehicles produced dropping from 471,350 in 1956 to 413,577 in 1957. The motor vehicle parts industry was also affected to the extent of a 10 per cent decline in output. Aircraft and shipbuilding on the other hand operated at higher levels, posting increases of 12 per cent and 7 per cent respectively. Railway rolling stock with an increase of 0.9 per cent was also slightly higher.

The high level at which the manufacturing industries of Canada operated during 1957 was the result of two main factors. First was the continuing high spending on capital goods, such as construction and machinery and equipment of all kinds which rose from \$8,036,000,000 in 1956 to \$8,717,000,000 in 1957, an increase of 8 per cent. Construction was up by \$511,000,000 while expenditures for machinery and equipment were \$170,000,000 higher. This stim-



ulated some of the durable goods industries to a marked degree. The hydraulic cement industry had a 20.6 per cent increase in volume of production, the output of cement rising from 5,021,683 tons in 1956 to 6,049,098 tons in 1957. Bridge-building and structural steel was also 15.8 per cent higher, while heavy electrical machinery as well as industrial machinery and machine tools recorded but minor gains in output. The output of the primary iron and steel industry dropped 5.9 per cent. The production of pig iron at 3,718,350 tons was 150,147 tons higher while steel ingots and castings at 5,068,149 tons were 233,053 tons lower. The second factor was the impact on the consumer goods industries of the increase of about 543,000 in population as well as by the continued rise in labour income.

The decline in the export demand for Canadian manufactured products was an important factor adversely affecting manufacturing operations in 1957. As mentioned previously there was a marked decline in the export of planks and boards, shingles, veneer and plywood. Wood pulp, newsprint, whisky, wheat flour, aluminum and products, copper and products, zinc, automobiles and parts, fertilizers, and aircraft were all lower. There were, however, increases in the export of farm implements and machinery, nickel, artificial crude abrasives, non-farm machinery and synthetic plastics and their manufactures.

Ontario which is now recognized as one of the world's major industrial areas, accounts for approximately half of Canada's manufacturing production. Despite the great industrial progress made by other provinces, Ontario continues to maintain its predominance, and in 1957 accounted for 49.9 p.c. of the total value of factory shipments. Quebec with 30.1 p.c. of the total shipments ranks as the second largest industrial province, while British Columbia with 8.0 p.c. of the total ranks third. In 1957 Ontario increased its share of the total while Quebec and British Columbia reported minor declines.

The slightly increased activity reported by the manufacturing industries of Canada during 1957 was not uniformly felt throughout the country. From the point of view of numbers employed, British Columbia with a drop of 2.7 per cent experienced the first set-back in manufacturing employment which expanded uninterruptedly during the past few years. The biggest decline in employment was, however, reported by New Brunswick with a drop of 7.0 per cent. This was followed by Prince Edward Island with a drop of 6.3 per cent, British Columbia 2.7 per cent and Newfoundland 0.4 per cent. All the other provinces reported increased employment. Alberta with an increase of 6.2 per cent headed the list, followed by Saskatchewan with 4.1 per cent, Manitoba 2.5 per cent, Nova Scotia 1.9 per cent, Quebec 0.7 per cent, and Ontario 0.5 per cent. For Canada as a whole, the increase in employment was 0.4 per cent.

The industrial expansion of Canada since Confederation has been phenomenal. In the past generation alone, Canada has changed from a coun-

try producing and exporting mainly primary products to a country that is increasingly producing and exporting manufactured products, until to-day manufactures account for about 30 p.c. of the value of all goods and services produced, and also rank as the leading employer of labour in Canada.

Canada is no longer on the fringes of industrialization but ranks among the world's most important manufacturing countries. Basic historical developments, such as the opening of the West and the magnitude of requirements of all kinds for World Wars I and II, have been followed by recent discoveries of far-reaching significance. Such events as the discovery of a major oil pool on the prairies in 1947, the discovery of large-scale deposits of iron and the successful search for uranium have given new dimensions to Canadian thinking and business planning. These are the factors that explain the records of capital expenditures year by year since the end of the War. Yet it is not the mere rate of expansion that is significant. There have been other periods when Canada's population has grown more rapidly and in many respects the rate of industrial expansion in the late 1920's was relatively as great as in the post-war years. The real significance of the latter period is that never before has there been an advance on such a broad industrial front.

The second point to be observed is the changing emphasis of Canadian manufacturing activity. By 1949 the period of post-war conversion was passed and Canada had entered a new phase of economic expansion which derived its dynamic from the discovery of new resources and the application of new processes. This meant that even the sharp recession in the United States in the year 1949 failed to have significant effects in Canada. The influence of Korea and the consequent rearmament program gave an added impetus to the expansion of Canadian industry and to the development of Canadian basic resources. Capital expenditures that contributed most to the defence of Canada were given priority. Additional capacity was created to meet requirements of the specialized defence program—aircraft, electronic equipment, ships and guns—many items of which had never before been produced in Canada. Measures such as steel control, credit regulations and deferred depreciation had the desired effect. A shift gradually took place toward the further expansion of basic industrial capacity and away from investment in consumer goods and services.

The stability of current levels of manufacturing is indicated by the fact that such activity is the result of business assessments of resources and market potentialities. Millions of dollars are being invested in oil because the prairies can produce oil as economically as other great fields on the North American Continent. Petro-chemical plants are being erected because the raw materials are readily at hand. Kitimat is based on the coincidence of abundant and cheap hydro-power and access to ocean transportation, both of which are essential to

the low-cost production of aluminum. The exploitation of the Ungava iron deposits rests on the belief that the steel industry of the North American Continent will need the high-grade ores involved in order to meet continuing peace-time demands. No country is in a more favourable position than Canada to supply uranium for the production of atomic energy.

Of strategic importance, and probably of even greater long-term significance to the Canadian economy, has been the growing world-wide shortage of raw materials; a shortage born of rising levels of employment and income, and accentuated by the course of international events, especially since 1950. These demands have shown few signs of abating and they have led to substantial increases in Canadian primary manufacturing capacity, particularly in so far as the light metals, nickel, chemical fertilizers and the cheaper grades of paper are concerned.

In recent years the demands stemming from population growth and a rising standard of living have been noticeable at all levels. In food processing, a steady up-grading in the quality of foods sold on the domestic market has been even more important than population growth. The two together have almost doubled the dollar sales of processed foods in this country since 1945. And at the intermediate level other important changes have taken place. Many of Canada's new chemical plants, for example, have been built with the domestic consumer market in mind. Frequently using petroleum or natural gas as a source of raw material, they have gone a long way towards making Canada independent of imports in such categories as vanillin, nylon and rayon intermediates, and plastics for packaging and similar uses.

The tremendous development which has taken place in Canada during the decade preceding 1957 is strikingly illustrated by the increase of 50.6 p.c. in the physical volume of manufactured products between 1946 and 1956 as compared with an increase of only 31 p.c. in the population. Part of this increase, resulted from an increased demand abroad for Canadian manufactured goods, part to the demands imposed on Canadian industry as a result of the expansion in the economy during the past decade, and part to the increase in the standard of living of the Canadian people. The increase of 70.1 p.c. in the output of durable goods consisting mainly of building materials, transportation equipment as well as machinery and equipment of all kinds reveals the extent of the contribution made by Canadian industry to the phenomenal expansion in the productive capacity of the country. Non-durable goods during the same period increased by 36.3 p.c. Although this increase is quite large it is, nevertheless, overshadowed by the much larger increase of 70.1 p.c. in the durable goods industries of the manufacturing sector.

With only one exception, all groups in both the durable and non-durable sectors recorded marked advances in volume output since 1946, the exception being leather products with a decline of 11.9 p.c. In the durable goods sector the most striking advance was made by the non-metallic mineral products group with an increase of 137.5 p.c. This was followed by electrical apparatus and supplies with 122.5 p.c., non-ferrous metal products 78.5 p.c., transportation equipment 67.9 p.c., iron and steel products 47.3 p.c. and wood products 46.6 p.c.

In the non-durable goods sector the greatest advance was achieved by the products of petroleum and coal group with 164.3 p.c. This was the highest increase of any group of either sector. Rubber and rubber products with an increase of 101.6 p.c. came second, followed by printing, publishing and allied industries with 64.7 p.c., beverages 60.6 p.c., tobacco and tobacco products 59.2 p.c., paper products 48.1 p.c., chemicals and allied products 26.5 p.c., foods 15.9 p.c., textiles 12.8 p.c., and clothing 2.0 p.c. The output of the leather products group declined by 11.9 p.c.

Manufacturing establishments reporting in 1957 numbered 37,875. Of these 916 were located in Newfoundland, 193 in Prince Edward Island, 1,356 in Nova Scotia, 981 in New Brunswick, 12,250 in Quebec, 13,580 in Ontario, 1,590 in Manitoba, 844 in Saskatchewan, 1,893 in Alberta, 4,250 in British Columbia and 22 in the Yukon and Northwest Territories. These plants furnished employment to 1,359,061 persons who received \$4,819,627,999 in salaries and wages. They also shipped goods with a selling value at the factory of \$22,183,594,311 and spent \$11,900,751,703 for materials, while the value added by manufacture totalled \$9,822,084,726.

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 in 1954 and subsequent years are, therefore, comparable with 1951 and prior years.



## Variation in Volume of Production

Group	Volume index (1949 = 100)			Percentage variation		
	1957	1956	Percentage variation	1951 compared with 1946	1956 compared with 1951	1956 compared with 1946
All manufactures .....	142.5	145.1	- 1.8	+35.0	+26.2	+ 70.3
Non-durable goods .....	139.3	138.1	+ .9	+23.4	+24.6	+ 53.8
Durable goods .....	146.2	153.3	- 4.6	+50.1	+27.9	+ 91.9
Non-durable goods:						
Foods .....	133.2	131.4	+ 1.4	+ 3.9	+22.8	+ 27.6
Beverages .....	143.2	138.4	+ 3.5	+29.2	+30.3	+ 68.4
Tobacco and tobacco products .....	161.0	145.9	+10.3	+ 4.9	+53.6	+ 61.0
Rubber and rubber products .....	147.8	154.0	- 4.0	+39.6	+23.3	+ 72.1
Leather products .....	115.6	115.6	-	-27.1	+27.9	- 6.8
Textiles .....	117.6	117.3	- 0.3	+27.5	+ 3.7	+ 32.2
Clothing, including knitting mills .....	115.3	117.6	- 2.0	+ 6.2	+16.2	+ 23.4
Paper products .....	135.5	137.8	- 1.7	+45.1	+17.3	+ 70.1
Printing, publishing and allied industries .....	138.2	137.3	+ 0.7	+36.7	+30.6	+ 78.5
Products of petroleum and coal .....	223.5	216.1	+ 3.4	+72.9	+68.2	+190.8
Chemicals and allied products .....	181.5	174.8	+ 3.8	+37.9	+45.7	+100.9
Miscellaneous industries .....	153.3	147.0	+ 4.3	+48.4	+23.5	+ 83.3
Durable goods:						
Wood products .....	125.2	138.3	- 9.5	+32.3	+20.5	+ 59.3
Iron and steel products .....	139.7	145.3	- 3.9	+44.8	+24.2	+ 79.8
Transportation equipment .....	150.7	157.9	- 4.6	+62.9	+20.3	+ 95.9
Non-ferrous metal products .....	128.6	133.0	- 3.3	+39.5	+16.6	+ 62.6
Electrical apparatus and supplies .....	181.5	191.3	- 5.1	+78.3	+58.5	+182.6
Non-metallic mineral products .....	193.3	191.5	+ 0.9	+66.4	+59.8	+166.0

## Percentage Variation of Manufacturing in Canada, by Provinces and Groups, 1957 Compared with 1956

Province and group	1957 compared with 1956		
	Number of employees	Salaries and wages	Selling value of factory shipments
<b>Canada</b> .....	<b>+0.4</b>	<b>+ 5.4</b>	<b>+ 2.5</b>
Newfoundland .....	-0.2	+ 7.6	- 4.8
Prince Edward Island .....	-6.3	+ 1.4	+ 1.9
Nova Scotia .....	+1.9	+ 8.0	+11.2
New Brunswick .....	-7.0	+ 0.9	- 0.5
Quebec .....	+0.7	+ 5.8	+ 0.9
Ontario .....	+0.5	+ 5.2	+ 4.0
Manitoba .....	+2.5	+ 5.0	+ 2.6
Saskatchewan .....	+4.1	+11.4	+ 2.7
Alberta .....	+6.2	+14.0	+11.6
British Columbia .....	-2.7	+ 2.9	- 4.0
Yukon and Northwest Territories .....	-5.1	- 3.4	-37.2
<b>All groups</b> .....	<b>+0.4</b>	<b>+ 5.4</b>	<b>+ 2.5</b>
Foods and beverages .....	+5.0	+11.0	+ 9.0
Tobacco and tobacco products .....	+3.0	+ 9.9	+ 4.4
Rubber products .....	-4.1	+ 1.3	- 8.3
Leather products .....	-0.9	+ 3.7	+ 0.7
Textiles .....	-3.3	+ 1.1	- 2.5
Knitting mills .....	-1.2	+ 1.2	+ 4.2
Clothing .....	+1.5	+ 5.2	+ 2.2
Wood products .....	-6.4	- 2.0	- 7.7
Paper products .....	+0.6	+ 4.2	- 1.2
Printing, publishing and allied industries .....	+3.0	+ 7.9	+ 6.2
Iron and steel products .....	+0.8	+ 5.3	+ 5.6
Transportation equipment .....	+2.4	+ 6.8	+ 3.5
Non-ferrous metal products .....	-2.7	+ 3.6	- 9.6
Electrical apparatus and supplies .....	-2.2	+ 3.2	- 1.1
Non-metallic mineral products .....	-0.1	+ 5.0	+ 5.2
Products of petroleum and coal .....	+0.4	+ 8.6	+ 8.3
Chemicals and allied products .....	+3.6	+10.6	+ 8.3
Miscellaneous industries .....	+4.5	+ 9.5	+ 8.7



TABLE 1. Summary Statistics of the Manufacturing Industries, Canada, 1917-1957

Year	Estab- lish- ments	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.		dollars		
1917	21,845	2,333,991,229	606,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1918	21,777	2,518,197,329	602,179	567,991,171	1,827,631,548	1,399,794,849	3,227,426,397
1919	22,083	2,670,559,435	594,066	601,715,668	1,779,056,765	1,442,400,638	3,221,457,403
1920	22,532	2,923,667,011	598,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1921	20,848	2,697,858,073	438,555	497,399,761	1,365,292,885	1,123,694,263	2,488,987,148
1922	21,016	2,667,493,290	456,256	489,397,230	1,272,651,585	1,103,266,106	2,375,917,691
1923	21,080	2,788,051,630	506,203	549,529,631	1,456,595,367	1,206,332,107	2,662,927,474
1924	20,709	2,895,317,508	487,610	534,467,675	1,422,573,946	1,075,458,459	2,570,561,931
1925	20,981	3,065,730,916	522,924 <sup>3</sup>	569,944,442	1,571,788,252	1,167,936,726	2,816,864,958
1926	21,301	3,208,071,197	559,161 <sup>3</sup>	625,682,242	1,712,519,991	1,305,168,549	3,100,604,637
1927	21,501	3,454,825,529	595,052 <sup>3</sup>	662,705,332	1,741,128,711	1,427,649,292	3,257,214,876
1928	21,973	3,804,062,566	631,429 <sup>3</sup>	721,471,634	1,894,027,188	1,597,887,676	3,582,345,302
1929	22,216	4,004,892,009	666,531 <sup>3</sup>	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1930	22,618	4,041,030,475	614,696 <sup>3</sup>	697,555,378	1,664,787,763	1,522,737,125	3,280,236,603
1931	23,083	3,705,701,893	528,640	587,566,990	1,221,911,982	1,252,017,248	2,555,126,448
1932	23,102	3,380,475,509	468,833	473,601,716	954,381,097	955,960,724	1,980,471,543
1933	23,780	3,279,259,838	468,658	436,247,824	967,788,928	919,671,181	1,954,075,785
1934	24,209	3,249,348,864	519,812	503,851,055	1,229,513,621	1,087,301,742	2,393,692,729
1935	24,034	3,216,403,127	556,664	559,467,777	1,419,146,217	1,153,485,104	2,653,911,209
1936	24,202	3,271,263,531	594,359	612,071,434	1,624,213,996	1,289,592,672	3,002,403,814
1937	24,834	3,465,227,831	660,451	721,727,037	2,006,926,787	1,508,924,867	3,625,459,500
1938	25,200	3,485,683,018	642,016	705,668,589	1,807,478,028	1,428,286,778	3,337,681,366
1939	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1940	25,513	4,095,716,836	762,244	920,872,865	2,449,721,903	1,942,471,238	4,529,173,316
1941	26,293	4,905,503,966	961,178	1,264,862,643	3,296,547,019	2,605,119,788	6,076,308,124
1942	27,862	5,488,785,545	1,152,091	1,682,804,842	4,037,102,725	3,309,973,758	7,553,794,972
1943	27,652	6,317,166,727	1,241,068	1,987,292,384	4,690,493,083	3,816,413,541	8,732,860,999
1944	28,483	Not collected	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1945	29,050	"	1,119,372	1,845,773,449	4,473,668,847	3,564,315,899	8,250,368,866
1946	31,249	"	1,058,156	1,740,687,254	4,358,234,766	3,467,004,980	8,035,692,471
1947	32,734	"	1,131,750	2,085,925,966	5,534,280,019	4,292,055,802	10,081,026,580
1948	33,420	"	1,155,721	2,409,368,190	6,632,881,628	4,938,786,981	11,875,169,685
1949 <sup>4</sup>	35,792	"	1,171,207	2,591,890,657	6,843,231,064	5,330,566,434	12,479,593,300
1950 <sup>4</sup>	35,942	"	1,183,297	2,771,267,435	7,538,534,532	5,942,058,229	13,817,526,381
1951 <sup>4</sup>	37,021	"	1,258,375	3,276,280,917	9,074,526,353	6,940,946,783	16,392,187,132
1952 <sup>4</sup>	37,929	"	1,288,382	3,637,620,160	9,146,172,494	7,443,533,199	16,982,687,035
1953 <sup>4</sup>	38,107	"	1,327,451	3,957,018,348	9,380,558,682	7,993,069,351	17,785,416,854
1954 <sup>4</sup>	38,028	"	1,267,966	3,896,687,691	9,241,857,554	7,902,124,137	17,554,527,504
1955 <sup>4</sup>	38,182	"	1,298,461	4,142,409,534	10,338,202,165	8,753,450,496	19,513,933,811
1956 <sup>4</sup>	37,428	"	1,353,020	4,570,692,190	11,721,536,889	9,605,424,579	21,636,748,986
1957 <sup>4</sup>	37,875	"	1,359,061	4,819,627,999	11,900,751,703	9,822,084,721	22,183,594,311

<sup>1</sup> Years 1924-1951, inclusive, the "Value added by manufacture" is computed by subtracting the cost of fuel, electricity and materials from the gross value of products. Years 1952 and 1953 the deduction is made from "Value of factory shipments" and in 1954 and subsequent years from the calculated value of production. Figures prior to 1924 are not comparable since statistics for cost of electricity are not available. (See text p. 7).

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

<sup>3</sup> A change in the method of computing the number of wage-earners in the years, 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931, however, the method in force prior to 1925 was re-adopted.

<sup>4</sup> Newfoundland is included for 1949 and subsequent years, however, figures for the fish processing industry, 1949 and 1950, are not available for this province and therefore not included.

TABLE 2. Principal Statistics Compared, Canada, 1956 and 1957

Principal statistics	1956	1957	+Increase -Decrease
Establishments ..... No.	37,428	37,875	+ 447
Supervisory and office employees:			
Male ..... "	216,295	226,282	+ 9,987
Female ..... "	85,002	87,602	+ 2,600
Salaries ..... \$	1,272,025,985	1,403,401,749	+131,375,764
Average ..... \$	4,221	4,471	+ 250
Production workers:			
Male ..... No.	831,336	827,328	- 4,008
Female ..... "	220,387	217,849	- 2,538
Wages ..... \$	3,298,666,205	3,416,226,250	+117,560,045
Average ..... \$	3,136	3,269	+ 133
Cost at plant of materials used ..... \$	11,721,536,889	11,900,751,703	+179,214,814
Average per establishment ..... \$	313,176	314,211	+ 1,035
Cost of fuel and electricity ..... \$	523,940,706	555,311,788	+ 31,371,082
Value added by manufacture <sup>1</sup> ..... \$	9,605,424,579	9,822,084,726	+216,660,147
Average per establishment ..... \$	256,637	259,329	+ 2,692
Selling value of factory shipments ..... \$	21,636,748,986	22,183,594,311	+546,845,325
Average per establishment ..... \$	578,090	585,705	+ 7,615

<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. 7).

**TABLE 3. Principal Statistics of the Forty Leading Industries, Ranked According to the Value of Factory Shipments, 1957**

No.	Industries	Estab- lish- ments	Employees	Salaries and wages	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Selling value of factory shipments
		number		dollars			
1	Pulp and paper .....	128	65,940	307,627,849	617,175,797	693,475,562	1,411,934,462
2	Petroleum refining .....	64	14,308	73,887,074	827,470,815	496,689,523	1,376,558,762 <sup>2</sup>
3	Non-ferrous metal smelting and refining.....	23	29,613	134,775,206	770,004,696	450,666,165	1,280,145,652 <sup>2</sup>
4	Motor vehicles .....	16	33,193	143,629,874	658,913,303	282,786,302	948,596,660
5	Slaughtering and meat packing ..	160	25,091	94,430,835	720,777,919	181,608,709	907,088,241
6	Primary iron and steel .....	51	35,944	170,779,346	329,582,384	344,565,954	704,565,791
7	Sawmills.....	6,276	50,664	143,166,269	309,580,668	237,700,416	555,688,385 <sup>2</sup>
8	Butter and cheese.....	1,322	20,384	64,080,979	352,690,914	112,483,561	469,851,749
9	Aircraft and parts .....	70	41,616	179,699,179	148,546,515	271,064,498	424,442,713 <sup>2</sup>
10	Railway rolling stock.....	30	27,909	104,168,142	241,830,731	140,475,504	386,722,053 <sup>2</sup>
11	Miscellaneous electrical apparatus and supplies .....	172	27,610	106,926,788	183,773,182	190,814,721	381,078,923
12	Machinery, industrial .....	360	27,691	109,192,218	153,043,170	210,725,054	363,000,234
13	Miscellaneous food preparations	308	10,003	32,561,621	227,639,112	106,615,482	336,291,786
14	Bread and other bakery products	2,635	35,443	99,777,843	155,755,549	163,882,067	331,131,927
15	Rubber products .....	88	22,178	83,189,580	144,246,768	176,456,204	326,091,308
16	Motor vehicle parts.....	205	20,426	82,943,875	164,311,970	144,243,266	315,395,590
17	Printing and publishing .....	773	30,930	122,602,862	88,247,543	223,553,273	314,344,145
18	Sheet metal products .....	432	19,733	77,109,470	167,831,957	136,675,531	309,498,908
19	Furniture .....	1,962	32,681	97,887,349	151,310,343	152,955,681	307,340,601
20	Machinery, heavy, electrical.....	78	24,234	103,078,674	114,474,507	182,442,834	301,241,082
21	Castings, iron .....	201	16,777	67,255,724	142,250,365	133,477,902	276,048,007
22	Clothing, men's, factory .....	559	32,024	77,124,466	152,560,645	121,064,345	272,425,612
23	Fruit and vegetable preparations	430	17,742	43,711,739	173,507,528	105,081,914	265,469,913
24	Boxes and bags, paper.....	220	15,941	52,625,854	154,308,367	97,119,253	253,497,145
25	Clothing, women's, factory .....	670	26,192	66,393,053	132,232,239	113,136,082	245,394,628
26	Printing and bookbinding.....	1,892	26,952	92,439,189	91,880,379	151,527,441	244,690,618
27	Bridge and structural steel .....	58	15,974	70,956,268	117,061,824	112,319,961	231,450,499 <sup>2</sup>
28	Breweries .....	57	8,413	37,003,146	59,229,700	169,990,773	231,116,361
29	Sash, door and planing mills.....	1,781	18,869	53,235,719	137,792,419	82,654,934	224,579,465
30	Miscellaneous chemical products n.e.s. ....	267	12,446	50,232,825	112,633,167	98,222,608	220,155,372
31	Feeds, stock and poultry, prepared .....	855	6,513	18,197,946	167,659,149	47,545,619	219,238,671
32	Cotton yarn and cloth.....	51	21,131	57,252,095	129,868,827	86,853,081	218,903,437
33	Telecommunication equipment ..	127	18,503	68,088,842	105,999,742	111,127,430	217,726,717
34	Acids, alkalies and salts .....	54	9,981	46,965,641	95,237,538	104,278,255	215,834,187
35	Flour mills.....	73	4,417	15,214,225	168,634,527	34,189,050	204,376,285
36	Tobacco, cigars and cigarettes..	33	8,372	29,349,732	100,293,925	82,037,358	182,794,564
37	Brass and copper products .....	160	8,825	34,803,463	111,347,089	67,852,993	182,396,315
38	Shipbuilding.....	68	18,417	71,166,172	63,941,511	101,093,592	167,158,789 <sup>2</sup>
39	Synthetic textiles .....	44	15,251	51,033,746	79,135,506	85,273,644	163,809,960
40	Concrete products.....	649	10,369	36,925,763	79,467,786	77,917,728	162,897,684
	<b>Totals, leading industries..</b>	<b>23,402</b>	<b>908,700</b>	<b>3,371,490,641</b>	<b>8,902,250,076</b>	<b>6,882,644,270</b>	<b>16,150,973,201</b>
	<b>Totals, all industries.....</b>	<b>37,875</b>	<b>1,359,061</b>	<b>4,819,627,999</b>	<b>11,900,751,703</b>	<b>9,822,084,726</b>	<b>22,183,594,311</b>

<sup>1</sup> See footnote 1, page 10.<sup>2</sup> Reported on a production basis.



TABLE 4. Principal Statistics by Provinces, 1956 and 1957

No.	Provinces	Estab- lish- ments	Supervisory and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
	1956							
1	Newfoundland.....	783	1,863	323	6,672,542	7,226	1,090	23,790,193
2	Prince Edward Island.....	192	338	96	981,372	926	415	2,252,032
3	Nova Scotia .....	1,402	3,780	1,161	16,142,859	22,471	3,525	67,805,651
4	New Brunswick .....	1,004	2,668	853	11,800,042	16,019	3,020	49,263,259
5	Quebec .....	12,112	68,315	26,101	391,023,668	257,492	94,229	1,005,390,896
6	Ontario .....	13,215	107,822	45,674	677,353,765	391,301	96,393	1,633,280,631
7	Manitoba .....	1,534	6,549	2,449	34,167,889	26,191	7,632	99,338,082
8	Saskatchewan.....	798	2,255	863	10,471,197	7,425	993	26,212,186
9	Alberta .....	1,971	6,804	2,150	32,877,638	24,192	3,646	87,317,467
10	British Columbia .....	4,393	15,864	5,323	90,360,706	77,982	9,426	303,508,682
11	Yukon and Northwest Territories	24	37	9	174,307	111	18	507,126
12	Canada .....	37,428	216,295	85,002	1,272,025,985	831,336	220,387	3,298,666,205
	1957							
13	Newfoundland.....	916	1,984	329	7,010,203	7,146	1,014	25,773,512
14	Prince Edward Island.....	193	315	89	932,042	886	373	2,346,780
15	Nova Scotia .....	1,356	3,999	1,254	17,775,461	22,582	3,695	72,859,154
16	New Brunswick .....	981	2,564	828	12,174,704	14,929	2,664	48,310,603
17	Quebec .....	12,250	71,762	27,165	435,933,580	257,141	93,315	1,041,894,756
18	Ontario .....	13,580	112,853	46,914	743,110,040	389,755	94,723	1,687,566,424
19	Manitoba .....	1,590	6,756	2,614	37,153,699	26,667	7,847	103,046,557
20	Saskatchewan.....	844	2,434	870	12,031,464	7,703	1,005	28,843,885
21	Alberta .....	1,893	7,257	2,420	39,025,167	25,666	3,746	98,052,271
22	British Columbia .....	4,250	16,322	5,107	98,069,454	74,753	9,449	307,060,478
23	Yukon and Northwest Territories	22	36	12	185,935	100	18	471,830
24	Canada .....	37,875	226,282	87,602	1,403,401,749	827,328	217,849	3,416,226,250

<sup>1</sup> See footnote 1, page 10.

TABLE 4. Principal Statistics by Provinces, 1956 and 1957

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.
number	dollars					
10,502	30,462,735	6,977,414	55,451,956	62,607,709	123,691,344	1
1,775	3,233,404	401,428	17,806,842	6,161,628	24,497,245	2
30,937	83,948,510	13,346,321	214,779,069	159,820,242	384,398,103	3
22,560	61,063,301	14,250,659	176,440,306	125,314,488	313,280,599	4
446,137	1,396,414,564	181,050,355	3,605,521,666	2,888,148,758	6,622,502,699	5
641,190	2,310,634,396	229,355,946	5,683,753,088	4,868,570,251	10,655,098,620	6
42,821	133,505,971	13,502,279	367,024,766	270,017,554	647,389,185	7
11,536	36,683,383	8,236,492	176,871,188	113,627,642	298,203,489	8
36,792	120,195,105	14,014,511	412,138,247	285,830,811	703,188,739	9
108,595	393,869,388	42,616,741	1,007,882,346	824,249,273	1,859,368,466	10
175	681,433	188,560	3,867,415	1,076,223	5,130,497	11
<b>1,353,020</b>	<b>4,570,692,190</b>	<b>523,940,706</b>	<b>11,721,536,889</b>	<b>9,605,424,579</b>	<b>21,636,748,986</b>	12
10,473	32,783,715	7,353,052	53,995,122	56,543,792	117,713,795	13
1,663	3,278,822	409,434	18,315,249	6,579,507	24,952,853	14
31,530	90,634,615	16,056,542	238,286,745	175,682,924	427,299,045	15
20,985	60,485,307	14,136,491	174,741,863	123,547,460	311,795,501	16
449,383	1,477,828,336	187,181,272	3,570,908,799	2,947,897,608	6,679,595,056	17
644,245	2,430,676,464	246,825,902	5,827,317,500	5,047,710,789	11,078,592,683	18
43,884	140,200,256	13,894,544	379,799,214	273,162,757	664,529,736	19
12,012	40,875,349	9,031,509	189,106,737	109,598,807	306,115,112	20
39,089	137,077,438	15,844,400	461,134,040	312,037,090	784,480,512	21
105,631	405,129,932	44,399,471	985,519,123	767,914,301	1,785,298,750	22
166	657,765	179,171	1,627,311	1,409,691	3,221,268	23
<b>1,359,061</b>	<b>4,819,627,999</b>	<b>555,311,788</b>	<b>11,900,751,703</b>	<b>9,822,084,726</b>	<b>22,183,594,311</b>	24

TABLE 5. Principal Statistics by Industrial Groups, 1956 and 1957

No.	Industrial groups	Estab- lish- ments	Supervisory and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
	1956							
1	Foods and beverages .....	8,023	26,392	10,986	139,119,490	108,121	37,509	392,514,769
2	Tobacco and tobacco products .....	51	810	416	6,073,932	3,208	5,179	24,234,923
3	Rubber products .....	91	3,897	1,628	23,377,147	13,800	3,811	58,777,742
4	Leather products .....	646	2,790	1,304	16,141,474	15,251	12,039	58,828,560
5	Textiles .....	965	8,886	4,357	55,745,640	36,380	21,250	143,581,870
6	Knitting mills .....	286	1,307	1,113	9,547,682	6,081	13,412	40,090,275
7	Clothing .....	2,525	7,222	4,481	48,393,341	21,594	56,502	159,822,870
8	Wood products .....	11,103	20,716	3,723	76,737,258	105,332	5,812	299,612,009
9	Paper products .....	568	12,239	4,797	89,885,892	68,176	8,493	297,000,524
10	Printing, publishing and allied industries .....	4,585	18,344	11,259	104,899,546	34,065	8,693	149,472,579
11	Iron and steel products .....	2,963	31,997	11,002	193,355,215	146,856	7,063	573,020,872
12	Transportation equipment .....	591	24,604	6,764	148,815,335	106,154	3,735	404,756,491
13	Non-ferrous metal products .....	581	8,840	3,201	55,832,556	41,080	2,950	164,537,184
14	Electrical apparatus and supplies .....	473	19,291	7,277	117,326,294	39,918	16,810	193,196,506
15	Non-metallic mineral products .....	1,183	5,710	1,696	31,417,495	30,790	1,969	111,805,668
16	Products of petroleum and coal .....	107	4,895	1,491	33,318,403	11,232	67	48,361,521
17	Chemicals and allied products .....	1,131	12,871	6,704	88,263,136	27,495	5,751	112,479,511
18	Miscellaneous industries .....	1,556	5,484	2,803	33,776,149	15,803	9,342	66,572,331
19	Canada .....	37,428	216,295	85,002	1,272,025,985	831,336	220,387	3,298,666,205
	1957							
20	Foods and beverages .....	8,536	27,747	11,623	154,082,898	115,119	37,688	435,942,217
21	Tobacco and tobacco products .....	49	866	451	6,803,127	3,269	5,319	26,519,694
22	Rubber products .....	88	3,798	1,618	25,121,531	13,216	3,546	58,068,049
23	Leather products .....	624	2,682	1,285	16,690,724	15,108	12,024	61,077,759
24	Textiles .....	929	8,931	4,385	58,616,077	35,371	19,825	142,962,735
25	Knitting mills .....	310	1,397	1,104	9,987,920	5,811	13,349	40,228,838
26	Clothing .....	2,550	7,407	4,617	53,522,405	21,798	57,292	165,436,647
27	Wood products .....	10,796	20,210	3,745	78,122,416	97,304	5,580	290,537,752
28	Paper products .....	582	13,007	4,916	98,779,660	67,945	8,415	304,506,631
29	Printing, publishing and allied industries .....	4,584	18,581	11,709	112,597,873	35,410	8,859	161,857,091
30	Iron and steel products .....	3,073	34,256	11,389	216,750,231	146,040	6,870	590,342,669
31	Transportation equipment .....	623	26,796	7,302	170,035,056	107,008	3,533	421,426,325
32	Non-ferrous metal products .....	592	9,497	2,844	61,883,391	39,503	2,737	166,384,997
33	Electrical apparatus and supplies .....	486	20,058	7,295	130,698,199	38,585	15,494	189,718,448
34	Non-metallic mineral products .....	1,231	6,117	1,837	36,136,071	30,239	1,927	114,177,114
35	Products of petroleum and coal .....	106	5,097	1,622	36,359,391	10,968	70	52,328,383
36	Chemicals and allied products .....	1,137	13,984	6,954	98,996,943	28,080	5,690	123,047,546
37	Miscellaneous industries .....	1,579	5,851	2,906	38,217,836	16,554	9,631	71,663,355
38	Canada .....	37,875	226,282	87,602	1,403,401,749	827,328	217,849	3,416,226,250

<sup>1</sup> See footnote 1, page 10.



TABLE 5. Principal Statistics by Industrial Groups, 1936 and 1937

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.
number	dollars					
183,008	531,634,259	58,531,443	2,474,174,069	1,311,492,763	3,826,702,255	1
9,613	30,308,855	755,583	150,111,499	88,298,796	239,242,872	2
23,136	82,154,889	4,884,170	160,686,586	198,602,139	355,583,815	3
31,384	74,970,034	2,297,523	123,790,832	112,857,380	237,031,985	4
70,873	199,327,510	15,009,532	430,420,090	323,820,707	766,977,127	5
21,913	49,637,957	1,913,227	83,926,020	81,158,559	165,149,727	6
89,799	208,216,211	3,218,042	399,249,027	337,265,504	733,769,962	7
135,583	376,349,267	20,269,385	788,465,324	646,223,303	1,446,612,560	8
93,705	386,886,416	107,487,809	885,056,261	908,726,918	1,887,611,000	9
72,361	254,372,125	5,528,637	225,201,594	459,224,177	688,434,263	10
196,918	766,376,087	65,339,983	1,315,813,753	1,429,985,145	2,756,769,477	11
141,257	553,571,826	21,346,076	1,286,297,404	906,154,667	2,192,934,975	12
56,071	220,369,740	70,787,035	1,128,961,556	667,853,158	1,862,156,162	13
83,296	310,522,800	9,164,267	558,249,520	577,411,595	1,090,194,175	14
40,165	143,223,163	46,299,250	206,872,491	322,821,042	572,539,111	15
17,685	81,679,924	50,360,263	837,826,914	489,299,180	1,377,226,103	16
52,821	200,742,647	36,638,937	527,564,227	556,240,754	1,111,233,404	17
33,432	100,348,480	4,109,544	138,869,722	187,988,792	326,580,013	18
<b>1,353,020</b>	<b>4,570,692,190</b>	<b>523,940,706</b>	<b>11,721,536,889</b>	<b>9,605,424,579</b>	<b>21,636,748,986</b>	<b>19</b>
192,177	590,025,115	66,980,411	2,704,377,446	1,437,422,949	4,171,971,292	20
9,905	33,322,821	844,614	160,710,422	88,283,832	249,734,356	21
22,178	83,189,580	4,961,524	144,246,768	176,456,204	326,091,308	22
31,099	77,768,483	2,344,793	122,529,541	116,139,080	238,789,101	23
68,512	201,578,812	15,395,378	412,433,901	330,984,539	747,666,541	24
21,661	50,216,758	1,965,702	88,782,158	84,147,853	172,161,757	25
91,114	218,959,052	3,369,336	398,406,332	352,614,117	749,628,477	26
126,839	368,660,168	20,157,246	730,076,145	585,783,470	1,335,170,860	27
94,283	403,286,291	113,102,362	883,394,993	877,985,557	1,865,719,185	28
74,559	274,454,964	5,922,104	245,024,240	481,737,438	731,199,828	29
198,555	807,092,900	65,277,137	1,386,920,624	1,476,346,128	2,912,148,078	30
144,639	591,461,381	22,280,907	1,288,242,648	956,075,551	2,269,202,982	31
54,581	228,268,388	65,501,407	1,014,145,515	603,099,206	1,683,382,440	32
81,432	320,416,647	9,525,064	498,242,643	568,587,265	1,078,212,912	33
40,120	150,313,185	51,969,130	209,981,914	340,621,267	602,164,737	34
17,757	88,687,774	59,084,998	898,830,429	534,093,249	1,491,925,837	35
54,708	222,044,489	42,101,741	565,746,391	605,273,621	1,203,411,197	36
34,942	109,881,191	4,527,934	148,659,593	206,433,400	355,013,423	37
<b>1,359,061</b>	<b>4,819,627,999</b>	<b>555,311,788</b>	<b>11,900,751,703</b>	<b>9,822,084,726</b>	<b>22,183,594,311</b>	<b>38</b>

TABLE 6. Principal Statistics of the Individual Industries, 1957

No.	Industries	Estab- lish- ments	Supervisory and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
	<b>1. Foods and beverages:</b>							
	Bakery products:							
1	Biscuits .....	44	433	291	3,015,332	2,338	3,183	12,738,137
2	Bread and other bakery products..	2,635	3,917	1,410	16,805,348	22,708	7,408	82,972,495
	Beverages:							
3	Breweries .....	57	1,484	462	10,960,953	6,427	40	26,042,193
4	Carbonated beverages .....	536	1,885	692	10,974,072	4,762	391	13,407,587
5	Distilled liquors .....	21	738	345	5,199,361	2,677	1,490	14,775,301
6	Wines .....	19	126	46	1,006,314	302	44	1,154,885
	Canning and processing:							
7	Fish processing .....	426	1,266	333	5,717,300	8,167	3,519	21,899,600
8	Fruit and vegetable preparations	430	2,126	1,150	12,751,988	7,415	7,051	30,959,751
	Dairy products:							
9	Butter and cheese .....	1,322	3,082	1,748	14,930,540	14,812	742	49,150,439
10	Cheese process .....	13	207	65	1,381,980	489	342	2,584,055
11	Concentrated milk products .....	29	198	101	1,214,108	1,223	61	4,068,541
12	Dairy products, other .....	39	137	70	867,450	431	128	1,685,775
13	Milk pasteurizing plants .....	646	1,271	426	6,282,648	6,699	108	22,509,026
	Grain mill products:							
14	Feeds, stock and poultry, prepared	855	1,473	463	5,986,664	4,439	138	12,211,282
15	Feed mills .....	545	575	59	1,346,402	900	5	1,885,527
16	Flour mills .....	73	964	424	5,374,714	2,892	137	9,839,511
17	Foods, breakfast .....	17	163	97	1,149,590	734	408	3,834,979
	Meat products:							
18	Animal oils and fats .....	17	57	19	379,439	270	1	892,770
19	Sausage and sausage casings .....	102	305	103	1,811,649	961	512	4,137,707
20	Slaughtering and meat packing ....	160	4,248	1,422	25,058,220	15,817	3,604	69,372,615
	Other food industries:							
21	Confectionery .....	213	774	604	5,412,515	3,665	4,977	19,756,591
22	Macaroni and kindred products ....	18	53	24	417,200	406	209	1,407,435
23	Sugar refining .....	11	443	106	2,796,130	2,502	255	9,337,375
24	Miscellaneous food preparations ..	308	1,822	1,163	13,242,981	4,083	2,935	19,318,640
25	<b>Totals .....</b>	<b>8,536</b>	<b>27,747</b>	<b>11,623</b>	<b>154,082,898</b>	<b>115,119</b>	<b>37,688</b>	<b>435,942,217</b>
	<b>2. Tobacco and tobacco products:</b>							
26	Tobacco, cigars and cigarettes.....	33	686	427	5,711,220	2,582	4,677	23,638,512
27	Tobacco processing and packing ....	16	180	24	1,091,907	687	642	2,881,182
28	<b>Totals .....</b>	<b>49</b>	<b>866</b>	<b>451</b>	<b>6,803,127</b>	<b>3,269</b>	<b>5,319</b>	<b>26,519,694</b>
	<b>3. Rubber products:</b>							
29	Rubber goods, including footwear....	88	3,798	1,618	25,121,531	13,216	3,546	58,068,049
30	<b>Totals .....</b>	<b>88</b>	<b>3,798</b>	<b>1,618</b>	<b>25,121,531</b>	<b>13,216</b>	<b>3,546</b>	<b>58,068,049</b>
	<b>4. Leather products:</b>							
31	Footwear, leather .....	253	1,647	835	10,368,592	9,140	8,624	38,771,391
32	Gloves and mittens, leather .....	67	136	65	765,252	594	1,018	2,990,583
33	Leather tanning .....	51	350	118	2,121,630	3,103	303	10,314,965
	Other leather industries:							
34	Belting, leather .....	11	27	16	176,638	98	7	303,296
35	Boot and shoe findings, leather ..	30	84	34	466,200	468	151	1,408,966
36	Miscellaneous leather goods, n.e.s.	212	438	217	2,792,412	1,705	1,921	7,288,558
37	<b>Totals .....</b>	<b>624</b>	<b>2,682</b>	<b>1,285</b>	<b>16,690,724</b>	<b>15,108</b>	<b>12,024</b>	<b>61,077,759</b>
	<b>5. Textiles:</b>							
	Cotton goods:							
38	Cotton thread .....	12	133	96	922,944	195	472	1,447,698
39	Cotton yarn and cloth .....	51	2,087	1,138	13,281,610	11,798	6,108	43,970,485
40	Miscellaneous cotton goods .....	14	68	16	507,434	464	82	1,580,431
	Woollen goods:							
41	Woollen cloth .....	63	512	266	3,298,923	3,100	2,181	12,751,569
42	Woollen yarn .....	39	238	147	1,542,243	1,380	1,326	6,280,307
43	Miscellaneous woollen goods .....	33	215	96	1,779,314	1,404	365	5,169,836

<sup>1</sup> See footnote 1, page 10.

TABLE 6. Principal Statistics of the Individual Industries, 1957

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.
number			dollars			
6,245	15,753,469	1,128,909	38,804,082	38,152,436	78,202,784	1
35,443	99,777,843	11,395,696	155,755,549	163,882,067	331,131,927	2
8,413	37,003,146	3,252,200	59,229,700	169,990,773	231,116,361	3
7,730	24,381,659	3,771,113	45,382,195	90,499,808	139,504,272	4
5,250	19,974,662	2,795,079	52,089,555	98,835,527	148,434,888	5
518	2,161,199	177,050	5,881,238	9,603,191	15,190,809	6
13,285	27,616,900	2,960,400	97,969,300	51,207,403	150,708,000	7
17,742	43,711,739	3,689,715	173,507,528	105,081,914	265,469,913	8
20,384	64,080,979	9,425,928	352,690,914	112,483,561	469,851,749	9
1,103	3,966,035	184,817	23,876,372	5,382,483	29,512,315	10
1,583	5,282,649	1,856,566	70,660,108	19,021,624	89,435,958	11
766	2,553,225	377,180	7,055,932	5,540,243	12,944,902	12
8,504	28,791,674	3,932,336	87,940,469	47,389,578	139,229,130	13
6,513	18,197,946	3,490,812	167,659,149	47,545,619	219,238,671	14
1,539	3,231,929	763,827	22,592,273	6,377,286	29,795,069	15
4,417	15,214,225	1,775,220	168,634,527	34,189,050	204,376,285	16
1,402	4,984,569	449,772	13,352,637	18,622,667	32,527,185	17
347	1,272,209	366,112	2,792,703	2,813,567	5,933,578	18
1,881	5,949,356	560,666	21,852,464	11,738,909	33,951,627	19
25,091	94,430,835	5,949,225	720,777,919	181,608,709	907,088,241	20
10,020	25,169,106	1,494,587	68,862,131	63,879,118	133,719,169	21
692	1,824,635	208,379	6,995,205	6,038,101	13,293,796	22
3,306	12,133,505	3,078,050	112,378,384	40,923,833	155,022,877	23
10,003	32,561,621	3,896,772	227,639,112	106,615,482	336,291,786	24
192,177	590,025,115	66,980,411	2,704,377,446	1,437,422,949	4,171,971,292	25
8,372	29,349,732	567,793	100,293,925	82,037,358	182,794,564	26
1,533	3,973,089	276,821	60,416,497	6,246,474	66,939,792 <sup>2</sup>	27
9,905	33,322,821	844,614	160,710,422	88,283,832	249,734,356	28
22,178	83,189,580	4,961,524	144,246,768	176,456,204	326,091,308	29
22,178	83,189,580	4,961,524	144,246,768	176,456,204	326,091,308	30
20,246	49,139,983	791,986	69,906,951	73,039,505	142,163,496	31
1,813	3,755,835	77,932	5,712,955	5,624,389	11,115,134	32
3,874	12,436,595	1,137,145	29,656,588	18,563,042	49,132,923	33
148	479,934	28,761	533,764	576,525	1,166,288	34
737	1,875,166	92,093	3,912,962	2,851,855	6,800,408	35
4,281	10,080,970	216,876	12,806,321	15,483,764	28,410,852	36
31,099	77,768,483	2,344,793	122,529,541	116,139,080	238,789,101	37
896	2,370,642	133,619	5,691,064	4,543,661	10,729,590	38
21,131	57,252,095	4,462,797	129,868,827	86,853,081	218,903,437	39
630	2,087,865	148,320	5,724,259	3,405,085	9,346,805	40
6,059	16,050,492	1,275,070	29,000,259	21,361,488	53,131,242	41
3,091	7,822,550	493,671	23,548,281	12,701,563	35,936,789	42
2,080	6,949,150	470,418	15,418,457	14,879,291	29,916,150	43

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



TABLE 6. Principal Statistics of the Individual Industries, 1957 — Continued

No.	Industries	Estab- lish- ments	Supervisory and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
5. Textiles — Concluded:								
1	Synthetic textiles and silk .....	44	2,845	1,181	17,741,858	8,726	2,499	33,291,888
Other primary textiles:								
2	Dyeing and finishing of textiles .....	56	296	90	1,840,382	1,381	260	4,552,684
3	Narrow fabrics .....	49	168	114	1,200,566	971	974	4,809,771
Other textile industries:								
4	Automobile accessories, fabric .....	20	150	71	890,745	288	403	2,112,331
5	Awnings, tents and sails .....	135	301	127	1,451,044	594	706	2,685,418
6	Bags, cotton and jute .....	34	136	63	1,034,988	302	603	1,974,246
7	Carpets, mats and rugs .....	16	190	107	1,532,261	974	527	3,837,650
8	Cordage, rope and twine .....	16	135	70	1,092,593	703	273	2,916,529
9	Embroidery, pleating, hemstitching, etc. ....	150	201	89	1,107,897	461	833	2,706,466
10	Oilcloth, linoleum and other coated fabrics ..	17	699	301	5,130,165	1,688	148	6,382,789
11	Miscellaneous textiles n.e.s. ....	180	557	413	4,261,110	942	2,065	6,492,637
12	Totals .....	929	8,931	4,385	58,616,077	35,371	19,825	142,962,735
6a. Knitting mills:								
13	Hosiery .....	137	551	415	3,834,664	2,978	4,789	17,856,879
14	Knitted goods .....	173	846	689	6,153,256	2,833	8,560	22,371,959
15	Totals .....	310	1,397	1,104	9,987,920	5,811	13,349	40,228,838
6b. Clothing:								
Men's, women's and children's clothing:								
16	Clothing, children's, factory .....	188	447	331	3,495,202	1,268	5,564	12,789,229
17	Clothing, men's, factory .....	559	2,651	1,630	19,337,456	8,369	19,374	57,787,010
18	Clothing, women's, factory .....	670	1,822	1,424	16,050,352	5,232	17,714	50,342,701
19	Clothing contractors, men's .....	153	262	67	1,093,033	1,341	3,471	8,658,178
20	Clothing contractors, women's .....	143	176	52	732,470	315	2,903	5,032,673
Miscellaneous clothing:								
21	Corsets .....	42	311	499	2,921,723	389	2,842	5,797,319
22	Fur dressing and dyeing .....	16	102	18	748,838	782	157	2,636,590
23	Fur goods .....	540	1,007	226	4,727,107	2,214	1,289	10,307,336
24	Gloves and mittens, fabric .....	11	36	33	257,161	93	531	896,612
25	Hats and caps .....	146	395	209	2,724,588	1,405	2,300	8,169,022
26	Oiled and waterproofed clothing .....	9	34	13	259,515	100	222	695,723
27	Clothing n.e.s. ....	73	164	115	1,174,960	290	925	2,324,251
28	Totals .....	2,550	7,407	4,617	53,522,405	21,798	57,292	165,436,647
7. Wood products:								
29	Furniture .....	1,962	4,515	1,487	23,806,993	24,399	2,280	74,080,356
Saw and planing mills:								
30	Flooring, hardwood .....	27	137	40	867,048	1,242	35	3,195,093
31	Sash, door and planing mills .....	1,781	3,342	635	13,848,915	14,713	179	39,386,804
32	Sawmills .....	6,276	9,815	842	25,815,000	39,737	270	117,351,269
33	Veneer and plywood .....	77	864	242	5,791,621	8,289	1,517	30,309,449
Other wood industries:								
34	Beekeepers' and poultry men's supplies ..	8	12	4	30,163	40	2	79,217
35	Boxes and baskets, wood .....	177	397	96	1,656,141	2,664	356	7,073,223
36	Cooperage .....	59	106	28	459,416	442	4	1,271,088
37	Excelsior .....	11	15	8	62,828	73	17	171,617
38	Lasts, trees and shoe findings .....	15	56	32	371,663	353	167	1,195,571
39	Morticians' goods .....	59	136	57	782,312	972	172	2,843,855
40	Woodenware .....	29	66	17	323,616	437	154	1,087,832
41	Wood turning .....	64	162	50	881,505	1,026	115	2,634,232
42	Miscellaneous wood products n.e.s. ....	251	587	207	3,425,195	2,917	312	9,858,146
43	Totals .....	10,796	20,210	3,745	78,122,416	97,304	5,580	290,537,752

<sup>1</sup> See footnote 1, page 10.

TABLE 6. Principal Statistics of the Individual Industries, 1957 - 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.
number			dollars			
15,251	51,033,746	5,080,804	79,135,506	85,273,644	163,809,960	1
2,027	6,393,066	876,396	4,282,128	10,394,347	15,153,396	2
2,227	6,010,337	263,367	9,498,017	9,967,917	19,500,458	3
912	3,003,076	119,726	7,084,909	4,858,187	11,990,137	4
1,728	4,136,462	183,117	9,098,407	6,750,421	15,689,203	5
1,104	3,009,234	121,090	21,416,328	5,398,881	26,839,960	6
1,798	5,369,911	414,930	12,293,107	9,352,488	20,978,722	7
1,181	4,009,122	188,283	9,388,918	7,754,766	16,837,764	8
1,584	3,814,363	90,549	2,832,196	6,011,108	8,944,746	9
2,836	11,512,954	634,022	20,694,653	17,862,084	38,903,557	10
3,977	10,753,747	439,199	27,458,585	23,616,527	51,054,625	11
<b>68,512</b>	<b>201,578,812</b>	<b>15,395,378</b>	<b>412,433,901</b>	<b>330,984,539</b>	<b>747,666,541</b>	12
8,733	21,691,543	811,205	26,861,469	34,488,915	62,056,876	13
12,928	28,525,215	1,154,497	61,920,689	49,658,938	110,104,881	14
<b>21,661</b>	<b>50,216,758</b>	<b>1,965,702</b>	<b>88,782,158</b>	<b>84,147,853</b>	<b>172,161,757</b>	15
7,610	16,284,431	242,678	35,109,992	26,015,669	61,139,624	16
32,024	77,124,466	1,050,092	152,560,645	121,064,345	272,425,612	17
26,192	66,393,053	772,903	132,232,239	113,136,082	245,394,628	18
5,141	9,751,211	180,573	1,383,156	11,679,284	13,244,032	19
3,446	5,765,143	113,447	643,902	7,663,655	8,416,634	20
4,041	8,719,042	131,695	11,874,240	17,961,950	29,375,873	21
1,059	3,385,428	122,526	1,248,961	4,909,983	6,299,336	22
4,736	15,034,446	351,586	38,988,557	23,503,600	62,187,649	23
693	1,153,773	21,450	2,130,137	2,205,202	4,291,453	24
4,309	10,893,610	287,346	13,909,642	16,798,198	30,862,665	25
369	955,238	14,693	1,963,282	1,873,635	3,824,273	26
1,494	3,499,211	80,347	6,361,579	5,802,514	12,166,698	27
<b>91,114</b>	<b>218,959,052</b>	<b>3,369,336</b>	<b>398,406,332</b>	<b>352,614,117</b>	<b>749,628,477</b>	28
32,681	97,887,349	3,660,889	151,310,343	152,955,681	307,340,601	29
1,454	4,062,141	249,841	9,714,724	5,716,955	15,509,287	30
18,869	53,235,719	4,049,290	137,792,419	82,654,934	224,579,465	31
50,664	143,166,269	8,407,301	309,580,668	237,700,416	555,688,385 <sup>2</sup>	32
10,912	36,101,070	1,643,388	66,161,177	53,565,193	121,159,762	33
58	109,380	9,631	214,997	167,767	386,163	34
3,513	8,729,364	507,708	12,772,449	13,686,090	26,850,510	35
580	1,730,504	129,625	4,280,724	2,293,820	6,730,691	36
113	234,445	25,308	265,237	313,691	625,939	37
608	1,567,234	46,830	1,601,138	2,631,672	4,288,129	38
1,337	3,626,167	164,192	4,644,826	5,428,518	10,242,159	39
674	1,411,448	82,309	1,833,254	2,026,418	3,869,909	40
1,353	3,515,737	169,275	4,558,169	4,967,611	9,789,961	41
4,023	13,283,341	1,011,659	25,346,020	21,674,704	48,109,899	42
<b>126,839</b>	<b>368,660,168</b>	<b>20,157,246</b>	<b>730,076,145</b>	<b>585,783,470</b>	<b>1,335,170,860</b>	43

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



TABLE 6. Principal Statistics of the Individual Industries, 1957 — Continued

No.	Industries	Estab- lish- ments	Supervisory and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
<b>8. Paper products:</b>								
1	Boxes and bags, paper.....	220	2,128	1,027	13,434,751	8,208	4,578	39,191,103
2	Pulp and paper .....	128	8,808	2,687	70,361,212	53,448	997	237,266,637
3	Roofing paper .....	25	710	283	4,791,409	1,431	67	4,871,541
4	Miscellaneous paper goods .....	209	1,361	919	10,192,288	4,858	2,773	23,177,350
5	<b>Totals .....</b>	<b>582</b>	<b>13,007</b>	<b>4,916</b>	<b>98,779,660</b>	<b>67,945</b>	<b>8,415</b>	<b>304,506,631</b>
<b>9. Printing, publishing and allied industries:</b>								
Commercial printing:								
6	Printing and bookbinding.....	1,892	4,803	2,196	28,499,744	14,501	5,452	63,939,445
7	Trade composition .....	51	184	58	1,105,301	844	26	3,364,709
Engraving, stereotyping and allied industries:								
8	Engraving, stereotyping and electro- typing .....	154	628	319	4,835,577	3,150	521	16,479,384
9	Lithographing .....	91	669	364	5,193,328	2,639	964	13,108,210
Printing and publishing:								
10	Printing and publishing .....	773	9,384	5,374	57,637,519	14,276	1,896	64,965,343
11	Publishing (only) of periodicals.....	1,623	2,913	3,398	15,326,404	—	—	—
12	<b>Totals .....</b>	<b>4,584</b>	<b>18,581</b>	<b>11,709</b>	<b>112,597,873</b>	<b>35,410</b>	<b>8,859</b>	<b>161,857,091</b>
<b>10. Iron and steel products:</b>								
13	Agricultural implements .....	70	1,992	532	11,233,752	7,624	123	28,044,364
14	Boilers, tanks and platework .....	102	1,964	625	11,627,923	6,609	28	26,619,950
15	Bridge and structural steel work .....	58	3,020	663	19,079,925	12,279	12	51,876,343
16	Castings, iron .....	201	2,159	731	13,877,415	13,633	254	53,378,309
17	Hardware, tools and cutlery .....	419	2,095	1,037	14,961,237	9,327	1,393	37,453,605
18	Heating and cooking apparatus .....	118	1,692	719	10,747,789	6,243	225	21,414,672
19	Machinery, household, office and store..	70	1,667	764	10,544,147	6,248	986	25,340,641
20	Machinery, industrial .....	360	6,572	2,334	38,726,472	18,158	627	70,465,746
21	Machine shops .....	656	1,488	304	7,218,503	5,773	86	19,334,237
22	Machine tools .....	12	289	93	1,930,759	1,177	—	4,354,767
23	Primary iron and steel .....	51	4,303	1,176	31,355,782	30,274	191	139,423,564
24	Sheet metal products .....	432	3,487	1,279	22,996,254	13,468	1,499	54,113,216
25	Wire and wire goods .....	141	1,546	625	10,785,572	6,920	741	28,573,937
26	Miscellaneous iron and steel products ..	383	1,982	507	11,664,701	8,307	705	29,949,318
27	<b>Totals .....</b>	<b>3,073</b>	<b>34,256</b>	<b>11,389</b>	<b>216,750,231</b>	<b>146,040</b>	<b>6,870</b>	<b>590,342,669</b>
<b>11. Transportation equipment:</b>								
28	Aircraft and parts .....	70	11,580	3,376	74,218,216	25,926	734	105,480,963
29	Bicycles and parts .....	5	106	60	732,991	440	53	1,614,670
30	Boat building .....	206	319	61	1,229,832	1,365	12	4,113,768
31	Motor vehicles .....	16	6,503	1,713	43,441,992	24,581	396	100,187,882
32	Motor vehicle parts .....	205	3,314	1,116	22,632,265	13,895	2,101	60,311,610
33	Railway rolling stock .....	30	2,595	345	14,774,172	24,935	34	89,393,970
34	Shipbuilding .....	68	2,293	599	12,354,718	15,477	48	58,811,454
35	Miscellaneous transportation equipment	23	86	32	650,870	389	155	1,512,008
36	<b>Totals .....</b>	<b>623</b>	<b>26,796</b>	<b>7,302</b>	<b>170,035,056</b>	<b>107,008</b>	<b>3,533</b>	<b>421,426,325</b>
<b>12. Non-ferrous metal products:</b>								
37	Aluminum products .....	94	1,866	851	12,934,113	3,925	275	14,541,248
38	Brass and copper products .....	160	1,450	591	9,873,957	6,315	469	24,929,506
39	Jewellery and silverware .....	220	650	424	4,201,857	2,355	1,302	10,370,692
40	Non-ferrous metal smelting and refining	23	4,716	692	29,413,697	24,152	53	105,361,509
41	White metal alloys .....	61	517	188	3,429,785	1,936	513	7,828,375
42	Miscellaneous non-ferrous metal prod- ucts .....	34	298	98	2,029,982	820	125	3,353,667
43	<b>Totals .....</b>	<b>592</b>	<b>9,497</b>	<b>2,844</b>	<b>61,883,391</b>	<b>39,503</b>	<b>2,737</b>	<b>166,384,997</b>
<b>13. Electrical apparatus and supplies:</b>								
44	Batteries .....	34	443	224	3,285,171	1,279	350	5,663,291
45	Refrigerators, vacuum cleaners and ap- pliances .....	75	1,688	722	11,087,501	5,155	1,224	22,286,380
46	Machinery, heavy, electrical .....	78	6,714	2,304	43,099,922	12,808	2,408	59,978,752
47	Telecommunication equipment .....	127	5,537	1,828	35,904,651	5,826	5,312	32,184,191
48	Miscellaneous electrical apparatus and supplies .....	172	5,676	2,217	37,320,954	13,517	6,200	69,605,834
49	<b>Totals .....</b>	<b>486</b>	<b>20,058</b>	<b>7,295</b>	<b>130,698,199</b>	<b>38,585</b>	<b>15,494</b>	<b>189,718,448</b>

<sup>1</sup> See footnote 1, page 10.



TABLE 6. Principal Statistics of the Individual Industries, 1957 - 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.
number			dollars			
15,941	52,625,854	2,059,633	154,308,367	97,119,253	253,497,145	1
65,940	307,627,849	108,636,965	617,175,797	693,475,562	1,411,934,462	2
2,491	9,662,950	778,981	21,303,790	19,148,427	40,935,412	3
9,911	33,369,638	1,626,783	90,607,039	68,242,315	159,352,166	4
<b>94,283</b>	<b>403,286,291</b>	<b>113,102,362</b>	<b>883,394,993</b>	<b>877,985,557</b>	<b>1,865,719,185</b>	<b>5</b>
26,952	92,439,189	2,294,869	91,880,379	151,527,441	244,690,618	6
1,112	4,470,010	70,456	525,833	6,550,224	7,135,954	7
4,618	21,314,961	434,177	7,739,341	32,270,649	40,504,237	8
4,636	18,301,538	372,046	23,968,971	30,108,545	54,135,396	9
30,930	122,602,862	2,750,556	88,247,543	223,553,273	314,344,145	10
6,311	15,326,404	—	32,662,173	37,727,306	70,389,478 <sup>2</sup>	11
<b>74,559</b>	<b>274,454,964</b>	<b>5,922,104</b>	<b>245,024,240</b>	<b>481,737,438</b>	<b>731,199,828</b>	<b>12</b>
10,271	39,278,116	1,813,015	59,855,771	58,174,333	122,528,538	13
9,226	38,247,873	1,531,273	62,647,293	57,326,097	121,959,107	14
15,974	70,956,268	2,068,714	117,061,824	112,319,961	231,450,499 <sup>2</sup>	15
16,777	67,255,724	4,482,447	142,250,365	133,477,902	276,048,007	16
13,852	52,414,842	2,353,627	59,818,358	98,811,701	159,653,914	17
8,879	32,162,461	1,632,625	59,962,597	57,562,502	119,332,421	18
9,665	35,884,788	1,056,743	68,636,393	75,277,132	142,743,904	19
27,691	109,192,218	3,395,812	153,043,170	210,725,054	363,000,234	20
7,651	26,552,740	1,132,102	22,685,290	39,117,634	62,690,917	21
1,559	6,285,526	186,165	6,000,246	8,616,552	14,989,027	22
35,944	170,779,346	36,755,262	329,582,384	344,565,954	704,565,791	23
19,733	77,109,470	3,396,095	167,831,957	136,675,531	309,498,908	24
9,832	39,359,509	2,160,985	81,652,795	68,653,446	151,238,354	25
11,501	41,614,019	3,312,272	55,892,181	75,042,329	132,448,457	26
<b>198,555</b>	<b>807,092,900</b>	<b>65,277,137</b>	<b>1,386,920,624</b>	<b>1,476,346,128</b>	<b>2,912,148,078</b>	<b>27</b>
41,616	179,699,179	4,831,700	148,546,515	271,064,498	424,442,713 <sup>2</sup>	28
659	2,347,661	99,619	2,162,497	4,633,585	6,635,621	29
1,757	5,343,600	193,817	5,555,869	7,588,823	12,885,931	30
33,193	143,629,874	5,855,651	658,913,303	282,786,302	948,596,660	31
20,426	82,943,875	4,669,859	164,311,970	144,243,266	315,395,590	32
27,909	104,168,142	4,415,818	241,830,731	140,475,504	386,722,053 <sup>2</sup>	33
18,417	71,166,172	2,123,686	63,941,511	101,093,592	167,158,789 <sup>2</sup>	34
662	2,162,878	90,757	2,980,252	4,189,981	7,365,625	35
<b>144,639</b>	<b>591,461,381</b>	<b>22,280,907</b>	<b>1,288,242,648</b>	<b>956,075,551</b>	<b>2,269,202,982</b>	<b>36</b>
6,917	27,475,361	1,852,226	56,190,667	33,953,111	91,818,989	37
8,825	34,803,463	2,442,415	111,347,089	67,852,993	182,396,315	38
4,731	14,572,549	404,516	28,885,750	23,502,638	52,789,040	39
29,613	134,775,206	59,474,791	770,004,696	450,666,165	1,280,145,652 <sup>2</sup>	40
3,154	11,258,160	1,008,437	37,734,175	17,856,056	56,969,191	41
1,341	5,383,649	319,022	9,983,138	9,268,243	19,263,253	42
<b>54,581</b>	<b>228,268,388</b>	<b>65,501,407</b>	<b>1,014,145,515</b>	<b>603,099,206</b>	<b>1,683,382,440</b>	<b>43</b>
2,296	8,948,462	565,613	24,573,500	18,030,192	41,678,716	44
8,789	33,373,881	1,678,466	69,421,712	66,172,088	136,487,474	45
24,234	103,078,674	2,500,366	114,474,507	182,442,834	301,241,082	46
18,503	68,088,842	1,268,756	105,999,742	111,127,430	217,726,717	47
27,610	106,926,788	3,511,863	183,773,182	190,814,721	381,078,923	48
<b>81,432</b>	<b>320,416,647</b>	<b>9,525,064</b>	<b>498,242,643</b>	<b>568,587,265</b>	<b>1,078,212,912</b>	<b>49</b>

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

TABLE 6. Principal Statistics of the Individual Industries, 1957 - Concluded

No.	Industries	Estab- lish- ments	Supervisory and office employees			Production workers		
			Male	Female	Salaries	Male	Female	Wages
			number		\$	number		\$
<b>14. Non-metallic mineral products:</b>								
1	Abrasives, artificial .....	17	465	184	3,731,290	2,112	90	8,937,227
2	Asbestos products .....	17	382	138	2,112,135	1,537	165	6,199,518
3	Cement, hydraulic .....	17	382	80	2,626,765	3,049	5	13,042,470
4	Clay products from domestic clay .....	111	470	103	2,589,879	3,604	62	12,155,226
5	Clay products from imported clay .....	34	282	90	1,763,672	1,283	356	5,704,201
6	Concrete products .....	649	1,899	339	9,451,102	8,094	37	27,474,661
7	Glass and glass products .....	115	896	513	5,904,917	5,482	1,055	22,412,317
8	Gypsum products .....	12	327	119	1,996,351	1,081	1	3,937,243
9	Lime .....	39	111	14	468,793	1,029	1	3,526,965
10	Salt .....	12	189	51	1,116,637	591	44	2,378,666
11	Sand-lime brick .....	4	15	—	64,279	87	—	319,945
12	Stone products .....	152	454	121	2,628,582	1,587	13	5,459,559
13	Miscellaneous non-metallic mineral products .....	52	245	85	1,681,669	703	98	2,629,116
14	<b>Totals .....</b>	<b>1,231</b>	<b>6,117</b>	<b>1,837</b>	<b>36,136,071</b>	<b>30,239</b>	<b>1,927</b>	<b>114,177,114</b>
<b>15. Products of petroleum and coal:</b>								
15	Coke and gas products .....	22	524	164	2,821,106	2,353	2	10,357,622
16	Petroleum products .....	64	4,466	1,411	32,863,834	8,364	67	41,023,240
17	Miscellaneous products of petroleum and coal .....	20	107	47	674,451	251	1	947,521
18	<b>Totals .....</b>	<b>106</b>	<b>5,097</b>	<b>1,622</b>	<b>36,359,391</b>	<b>10,968</b>	<b>70</b>	<b>52,328,383</b>
<b>16. Chemicals and allied products:</b>								
19	Acids, alkalis and salts .....	54	2,586	738	17,676,020	6,596	61	29,289,621
20	Fertilizers .....	44	713	159	4,415,344	2,126	13	8,483,923
21	Medicinal and pharmaceutical preparations .....	207	1,876	1,685	15,751,120	2,303	2,282	12,904,996
22	Paints, varnishes and lacquers .....	129	1,851	1,004	12,461,952	3,138	323	11,826,378
23	Primary plastics .....	29	1,031	347	6,919,592	1,989	76	8,790,141
24	Soaps, washing compounds and cleaning pre- parations .....	139	984	519	7,269,472	1,796	381	8,141,682
25	Toilet preparations .....	86	362	461	3,403,817	584	1,022	3,826,634
26	Vegetable oils .....	11	188	64	1,254,021	401	3	1,409,025
	<b>Other chemical industries:</b>							
27	Adhesives .....	29	132	92	906,711	379	24	1,414,877
28	Coal tar distillation .....	11	128	33	1,160,986	365	4	1,439,027
29	Gases, compressed .....	55	624	287	3,043,259	713	—	2,932,787
30	Inks .....	32	215	107	1,705,048	623	32	2,310,317
31	Polishes and dressings .....	44	195	188	1,845,996	276	183	1,228,918
32	Miscellaneous chemical products .....	267	3,099	1,270	21,183,605	6,791	1,286	29,049,220
33	<b>Totals .....</b>	<b>1,137</b>	<b>13,984</b>	<b>6,954</b>	<b>98,996,943</b>	<b>28,080</b>	<b>5,690</b>	<b>123,047,546</b>
<b>17. Miscellaneous industries:</b>								
34	Brooms, brushes and mops .....	100	310	191	1,976,042	1,065	534	3,586,351
35	Clocks, watches and watch cases .....	35	155	120	1,339,609	346	452	2,403,968
36	Fountain pens and pencils .....	18	176	142	1,475,339	271	556	1,935,514
37	Instruments and related products .....	78	1,655	671	10,958,944	2,960	1,015	14,549,025
38	Musical instruments .....	25	131	93	908,300	978	264	3,713,098
39	Ophthalmic goods .....	37	178	108	1,107,808	520	242	1,923,181
40	Orthopaedic and surgical appliances .....	37	64	45	410,034	114	155	595,890
41	Plastics products .....	195	685	332	4,508,386	2,183	1,528	9,387,906
42	Sporting goods .....	89	258	162	1,542,199	945	595	3,953,229
43	Toys and games .....	68	171	119	1,311,787	722	1,173	3,807,121
44	Typewriter supplies .....	9	85	49	638,435	190	111	776,008
	<b>Other miscellaneous industries:</b>							
45	Artificial flowers and feathers .....	42	56	39	316,985	148	218	719,622
46	Buttons, buckles and fasteners .....	46	205	118	1,553,407	556	753	3,033,691
47	Candles .....	19	34	22	256,062	122	73	429,634
48	Hair goods .....	13	19	10	132,440	73	26	236,068
49	Ice, artificial .....	50	93	29	437,762	312	1	953,656
50	Lamps, electric and lamp shades .....	70	159	102	948,108	522	457	2,034,684
51	Models and patterns, excluding paper .....	77	111	17	674,551	472	6	1,895,487
52	Pipes, lighters and smokers' supplies .....	13	32	22	219,930	64	54	336,065
53	Signs, electric, neon and other .....	342	730	227	3,972,768	2,295	165	8,255,428
54	Stamps and stencils, rubber and metal .....	69	180	86	1,178,682	544	147	2,024,524
55	Statuary, art goods, regalia and novelties .....	99	143	45	651,967	371	269	1,366,769
56	Umbrellas .....	9	22	7	109,187	17	94	175,130
57	Miscellaneous industries .....	39	199	150	1,589,104	764	733	3,571,306
58	<b>Totals .....</b>	<b>1,579</b>	<b>5,851</b>	<b>2,906</b>	<b>38,217,836</b>	<b>16,554</b>	<b>9,631</b>	<b>71,663,355</b>
59	<b>Grand totals, all industries .....</b>	<b>37,875</b>	<b>226,282</b>	<b>87,602</b>	<b>1,403,401,749</b>	<b>827,328</b>	<b>217,849</b>	<b>3,416,226,250</b>

<sup>1</sup> See footnote 1, page 10.



TABLE 6. Principal Statistics of the Individual Industries, 1957 — 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.
number			dollars			
2,851	12,668,517	5,421,469	20,333,646	24,902,569	51,049,441	1
2,222	8,311,653	853,483	13,693,806	15,275,224	29,988,123	2
3,516	15,669,235	19,692,658	16,193,942	61,192,441	97,079,041	3
4,239	14,745,105	6,020,971	958,936	28,942,251	35,922,158	4
2,011	7,467,873	972,781	6,458,465	13,055,535	19,932,788	5
10,369	36,925,763	5,304,965	79,467,786	77,917,728	162,897,684	6
7,946	28,317,234	4,973,762	34,881,568	51,191,256	90,823,646	7
1,528	5,933,594	1,450,810	12,495,092	15,702,360	29,627,225	8
1,155	3,995,758	4,154,766	1,277,317	12,096,699	17,528,782 <sup>2</sup>	9
875	3,495,303	1,141,665	2,501,549	12,198,835	15,842,049	10
102	384,224	57,799	237,864	558,177	868,897	11
2,175	8,088,141	993,863	10,240,047	15,715,533	26,809,997	12
1,131	4,310,785	930,138	11,241,896	11,872,659	23,794,906	13
<b>40,120</b>	<b>150,313,185</b>	<b>51,969,130</b>	<b>209,981,914</b>	<b>340,621,267</b>	<b>602,164,737</b>	<b>14</b>
3,043	13,178,728	6,452,603	66,119,868	32,176,186	104,748,657 <sup>2</sup>	15
14,308	73,887,074	52,398,424	827,470,815	496,689,523	1,376,558,762 <sup>2</sup>	16
406	1,621,972	233,971	5,239,746	5,227,540	10,618,418	17
<b>17,757</b>	<b>88,687,774</b>	<b>59,084,998</b>	<b>898,830,429</b>	<b>534,093,249</b>	<b>1,491,925,837</b>	<b>18</b>
9,981	46,965,641	20,384,094	95,237,538	104,278,255	215,834,187	19
3,011	12,899,267	3,151,337	47,134,450	35,459,400	83,807,556	20
8,146	28,656,116	1,071,778	42,336,512	97,276,687	140,092,919	21
6,316	24,288,330	1,002,965	65,590,927	64,528,051	131,132,991	22
3,443	15,709,733	1,995,912	48,088,585	42,457,576	91,836,820	23
3,680	15,411,154	1,372,986	49,530,366	69,747,619	118,872,856	24
2,429	7,230,451	181,098	18,532,081	31,173,115	49,838,084	25
656	2,663,046	756,414	50,899,324	8,924,511	60,951,564	26
627	2,321,588	456,150	6,475,344	6,720,361	13,707,648	27
530	2,600,013	770,891	8,200,347	4,809,942	13,663,996	28
1,624	5,976,046	750,304	4,124,884	19,619,406	24,280,515	29
977	4,015,365	136,893	6,935,556	9,972,013	16,912,330	30
842	3,074,914	138,178	10,027,310	12,084,077	22,324,359	31
12,446	50,232,825	9,932,741	112,633,167	98,222,608	220,155,372	32
<b>54,708</b>	<b>222,044,489</b>	<b>42,101,741</b>	<b>565,746,391</b>	<b>605,273,621</b>	<b>1,203,411,197</b>	<b>33</b>
2,100	5,562,393	199,514	9,028,238	9,941,527	19,159,950	34
1,073	3,743,577	56,937	8,813,098	8,588,285	17,086,790	35
1,145	3,410,853	87,765	5,651,632	7,838,336	13,218,019	36
6,301	25,507,969	644,341	28,685,763	51,366,881	79,076,692	37
1,466	4,621,398	178,660	4,771,187	10,025,025	14,763,607	38
1,048	3,030,989	94,343	2,695,569	3,483,058	6,383,521	39
378	1,005,924	31,271	1,213,467	1,606,449	2,843,369	40
4,728	13,896,292	785,699	30,597,158	29,134,357	59,840,459	41
1,960	5,495,428	213,641	6,508,338	10,019,178	16,407,168	42
2,185	5,118,908	241,822	9,932,102	9,949,330	19,811,595	43
435	1,414,443	47,772	3,151,084	3,018,218	6,135,100	44
491	1,036,607	27,487	1,123,129	1,727,223	2,665,924	45
1,612	4,587,098	136,800	5,626,162	7,843,988	13,202,829	46
251	685,696	56,448	1,324,732	1,577,761	2,909,924	47
128	368,508	26,217	831,627	595,815	1,480,658	48
435	1,391,418	501,853	282,405	2,738,815	3,539,897	49
1,240	2,982,792	104,562	6,035,408	5,587,794	11,701,618	50
606	2,570,038	77,359	1,013,168	3,727,839	4,844,492	51
172	555,995	24,797	1,396,815	1,199,639	2,614,553	52
3,417	12,228,196	675,347	10,490,282	19,151,221	30,204,209	53
957	3,203,206	85,594	1,921,079	4,324,681	6,321,795	54
828	2,018,736	75,522	1,802,350	3,156,129	4,980,978	55
140	284,317	9,223	596,454	405,583	1,049,501	56
1,846	5,160,410	144,960	5,168,346	9,426,268	14,570,770	57
<b>34,942</b>	<b>109,881,191</b>	<b>4,527,934</b>	<b>148,659,593</b>	<b>206,433,400</b>	<b>355,013,423</b>	<b>58</b>
<b>1,359,061</b>	<b>4,819,627,999</b>	<b>555,311,788</b>	<b>11,900,751,703</b>	<b>9,822,084,726</b>	<b>22,183,594,311</b>	<b>59</b>

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



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