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The Manufacturing Industries of Canada, 1934

SUMMARY REPORT

Published by authority of the Hon. W. D. Euler, M.P.,
Minister of Trade and Commerce



OTTAWA
J. O. PATENAUDE, I.S.O.
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1936

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THE MANUFACTURING INDUSTRIES OF CANADA, 1934.

Section 1.—The Evolution of Canadian Manufacturing Industries.

Early Manufactures.—The type of manufactures established in a community will, in the beginning, be largely determined, more especially where transportation charges are high, by the raw materials available in that community. For example, probably the first agricultural process to be carried on by Europeans in what is now the Dominion of Canada was the raising of a crop of grain at Port Royal, Nova Scotia, in 1605; the first corresponding manufacturing process was the grinding of the grain in the autumn of that year. Other early manufactures were also necessarily connected with the satisfaction of the primary needs of human beings for food, clothing and shelter, and with the other primary need for protection. At a census of occupations taken in 1681, we find enumerated a comparatively large number of tailors, shoemakers, masons, carpenters, gunsmiths and edgetool makers.

The earlier manufactures were necessarily of a rather crude and primitive type, concerned with the production of commodities which were too bulky to bear the heavy transportation charges of those days, when only one round trip per year could be made between France and Quebec, and vessels were constantly subject to the storms of the North Atlantic and very frequently to the attacks of the English. Indeed, although the colonial policy of France under the old *régime* aimed at preventing the manufacture in Canada of any article which could be imported from the Mother Country, the uncertainties of transportation due to the colonial wars of the period—France and England were at war for 34 years out of the 74 years between 1689 and 1763—led to a necessary relaxation of restrictions. On the occasion of the English capture of a convoy in 1705, the colonists were driven to manufacture rough cloth out of whatever fibres they could obtain, such as the Canadian nettle and the inner bark of the basswood. Such events led to the introduction of sheep raising and the manufacture of homespun woollens. From these humble beginnings arose the important textile industries of to-day, which are able to produce the finest fabrics of cotton, wool or silk.

In the days when ships were built of wood Canada was advantageously situated with respect to their production. Pont-Gravé built two small vessels at Port Royal in 1606 and one at Tadoussac in 1608. Talon, in 1666, built on his private account a ship of 120 tons, and in 1672 a vessel of over 400 tons was on the stocks at Quebec. Ships were built for the French navy and for the West India trade. Under the British *régime* shipbuilding was conducted on a large scale in Quebec and New Brunswick, the industry reaching its climax of prosperity about 1865, when 105 Quebec-built ships with a total tonnage of 59,333 were registered. Thereafter, iron and steel ships gradually supplanted the wooden vessels, but the forests of Canada have since provided the raw material for the pulp and paper and other important industries.

The manufacture of mineral products has been of comparatively recent date. Iron deposits in the St. Maurice region were worked as early as 1733 and furnaces set up there for smelting in 1737 were in fairly constant operation until 1883. The iron and steel used in manufacturing in Canada, as well as the coal which has supplied the manufacturing industries with power, has in the main been imported from the United States, chiefly because the principal manufacturing centres of this country in the St. Lawrence and Great Lakes region are fairly conveniently situated with regard to the coal and iron supplies of the United States and far away from the coal and iron supplies of the Maritime Provinces. In recent years the shortage of coal has been made up for by the increasing use of electric power, while the great bulk of the pig iron used in Canadian manufactures is now made in domestic blast furnaces.

Subsection 1.—Growth of Manufacturing in Canada since 1870.

Growth of Canadian Manufactures Prior to the War.—Until the later '90's, the growth of Canadian manufacturing industries was not particularly rapid though the great fall in the prices of commodities during the period from 1873 to 1897 was largely responsible for the comparatively slow growth of the values of manufactured commodities from \$221,600,000 in 1870 to \$469,800,000 in 1890. Afterwards there was a change and the prices of commodities commenced to rise, while the industries generally shared in the advantages of the great growing period from 1900 to 1912. The gross product of establishments with five hands or over increased from \$368,700,000 in 1890 to \$1,166,000,000 in 1910 and to \$1,381,500,000 in 1915. The fundamental advantages of the position of Canada, her abundant raw material, her inexhaustible water power, her growing home market in the expanding West, had contributed to this result.

In the present, as in the past, Canadian manufacturing production has been chiefly dependent upon the use of Canadian raw material, though this is less true than formerly. Raw cotton, for example, is imported from the Southern States, hides from Argentina, rubber from the Straits Settlements and Malay peninsula, sugar from Fiji and the British West Indies, and wool from England, Australia and New Zealand to supply the raw material for Canadian manufacturing industries.

The Influence of the War.—The influence of the War upon the manufactures of Canada was profound and far-reaching, tending to promote the diversification of products and the production at home of many commodities which had previously been imported. On account of the practical suspension of the importation of manufactured goods of many kinds from Europe, enterprising Canadian manufacturers were given opportunities of entering upon new lines of manufacture with practical control of the market. There was added to this the reflex effect of the great prosperity of agriculture, produced by the unprecedented prices of war time, with the general result that industry worked at high pressure, not only to produce munitions and military supplies for the armies of the Allies, but also to make the manifold varieties of goods required for the stimulated civilian consumption. The world shortage of staple commodities, coupled with a strong domestic demand, gave Canadian industries in general a pronounced stimulus toward greater production and, in a great number of cases, the capacity of manufacturing plants was increased; this increase created a demand for greater supplies of raw material. Incidentally, factory methods became more specialized and a high degree of administrative and mechanical efficiency was attained, and Canada, partly owing to the absorption of the energies of Europe in the War, assumed a new position as one of the leading manufacturing countries of the world. The inflation of the war period also led to unprecedented figures of values produced.

The great boom in Canadian manufactures described above reached its height in the summer of 1920. Gross values in 1929, however, reached a higher point than in the post-war boom of 1920, although the prices of manufactured goods had dropped about 41 p.c. in the intervening period. This steady expansion was halted during 1930, owing to the world-wide recession in business which set in toward the end of 1929, with the result that Canadian manufacturing production in 1934 was valued at only \$2,533,758,954, a decrease of 37.1 p.c. as compared with the peak year 1929. Not only was there a drop in the value of production, but the number of employees declined by 21.5 p.c., with an even greater decline of 34.4 p.c. in the salaries and wages paid, while the value added by manufacture was 35.5 p.c. lower.

The growth of manufacturing production since 1870 is shown in Table 1 following, while the increasing importance of Canadian manufacturing for the international market may be illustrated by the fact that Canadian exports of manufactured produce increased from less than \$3,000,000 per annum on the average of 1871-75 to \$614,000,000 in the post-war fiscal year ended Mar. 31, 1920. Exports of "fully or chiefly manufactured" products in the fiscal year ended Mar. 31, 1935, amounted in value to \$285,484,014, and exports of "partly manufactured" products to \$136,629,437.

1.—Historical Summary of Statistics of Manufactures for the Dominion, 1870-1931.

NOTE.—Certain duplications in the gross revenue of central electric stations were eliminated in a net figure and the difference shown as a "cost of material" for the years 1926-29, but net revenues only are now included for both gross and net values for those years. Therefore, the figures here given differ slightly from those formerly published. Also prior to 1920, totals for the chemical industries included the value placed on intermediate products used in further processes in the producing works. To this extent, totals are not comparable to those of 1929 and subsequent years. Further, statistics of the non-ferrous metal smelting industries were included in manufactures for the first time in 1925.

Year.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products. ¹	Gross Value of Products.
	No.	\$	No.	\$	\$	\$	\$
(All establishments irrespective of the number of employees.)							
1870.....	41,259	77,961,020	187,912	10,851,009	121,997,846	96,709,937	221,617,773
1880.....	49,722	165,392,623	251,935	59,429,002	179,918,593	129,757,175	309,676,068
1890.....	75,964	353,213,000	369,595	100,415,450	350,759,292	219,008,594	469,817,886

(Establishments with five hands and over.)

Year.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products. ¹	Gross Value of Products.
	No.	\$	No.	\$	\$	\$	\$
1890.....	14,065		272,033	79,234,311			368,696,723
1900.....	14,650	446,916,497	339,173	113,249,350	266,527,818	214,325,517	481,053,375
1910.....	19,218	1,247,583,609	515,203	241,008,416	601,509,018	561,466,621	1,165,975,639
1915.....	15,593	1,958,701,240	-	283,311,505	794,944,433	589,603,792	1,381,517,235

(All establishments irrespective of the number of employees.)

Year.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products. ¹	Gross Value of Products.
	No.	\$	No.	\$	\$	\$	\$
1917.....	22,828	2,696,151,030	621,691	509,382,027	1,531,087,416	1,332,180,767	2,863,268,183
1918.....	22,910	2,926,845,412	618,305	582,457,488	1,829,040,369	1,460,723,777	3,289,761,146
1919.....	23,219	3,095,625,799	611,008	618,464,119	1,780,629,840	1,569,879,745	3,290,500,585
1920.....	23,351	3,721,940,653	609,486	732,120,585	2,087,271,649	1,686,978,408	3,722,260,057
1921.....	22,235	3,194,020,358	556,076	548,785,137	1,866,892,686	1,209,441,344	2,576,063,029
1922.....	22,544	3,244,392,410	474,430	510,431,312	1,288,674,723	1,198,431,407	2,482,209,130
1923.....	22,642	3,380,372,950	525,267	571,470,628	1,470,440,129	1,311,035,375	2,781,165,544
1924.....	22,178	3,328,845,160	508,583	559,884,015	1,438,409,684	1,180,639,344	2,697,053,582
1925.....	22,331	3,809,309,981	514,725	596,045,471	1,582,565,108	1,280,501,159	2,918,515,315
1926.....	22,708	3,981,569,590	541,534	653,850,933	1,728,621,192	1,406,371,161	3,221,269,231
1927.....	22,936	4,337,631,558	648,933	693,932,328	1,758,280,334	1,544,296,505	3,394,713,270
1928.....	23,379	4,280,296,049	658,073	755,199,372	1,919,438,703	1,725,338,443	3,778,181,728
1929.....	23,592	5,089,014,754	694,434	813,049,812	2,027,070,925	1,919,910,156	4,029,471,340
1930.....	21,020	5,203,316,768	644,139	756,092,766	1,866,981,902	1,665,631,570	3,428,070,628
1931.....	24,501	1,961,315,108	357,126	621,545,561	1,224,880,011	1,390,409,257	1,298,161,862
1932.....	24,544	1,711,255,610	495,498	505,883,323	955,968,683	1,097,281,291	2,126,191,553
1933.....	25,232	1,680,374,701	493,903	465,567,090	969,188,574	1,045,239,450	2,086,847,817
1934.....	25,663	1,293,917,730	545,162	533,591,635	1,230,977,033	1,222,913,899	2,343,758,954

¹ In accordance with the resolution passed by the Conference of British Commonwealth Statisticians, 1935, the net value of production is now computed by subtracting the cost of materials as well as the cost of fuel and electricity from the gross value of the products. Prior to this, only the cost of materials was deducted. The figures since 1924 have therefore been revised in accordance with this resolution. The revision could not be carried back further as statistics for cost of electricity are not available prior to 1924.

2.—Summary Statistics of Manufactures, by Provinces, for Representative Years, 1917-31.

NOTE.—See headnote, Table 1.

Province and Year.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products. ¹	Gross Value of Products.
	No.	\$	No.	\$	\$	\$	\$
1917.							
Canada	22,638	2,696,154,030	621,694	509,392,027	1,541,087,416	1,332,180,767	2,873,268,183
P. E. Island.....	418	2,225,482	1,588	683,149	3,088,718	1,816,986	4,905,704
Nova Scotia.....	1,387	128,052,239	25,814	19,177,657	102,456,085	58,751,437	161,207,522
New Brunswick.....	987	64,010,777	20,201	13,192,740	32,466,048	27,996,000	60,462,048
Quebec.....	7,193	793,589,489	191,969	143,291,802	385,486,685	396,539,787	782,026,472
Ontario.....	9,471	1,302,675,030	306,270	264,442,393	795,095,511	685,063,845	1,480,159,356
Manitoba.....	816	95,530,452	20,055	17,381,806	69,884,850	45,062,533	114,947,383
Saskatchewan.....	633	30,096,623	6,840	5,906,150	22,093,445	15,529,428	37,622,873
Alberta.....	720	60,552,814	10,191	9,323,221	42,725,021	26,105,121	68,830,142
British Columbia.....	1,202	215,681,355	38,689	35,864,308	87,764,650	74,978,844	162,743,494
Yukon.....	11	3,739,169	71	118,801	26,403	336,786	363,189
1920							
Canada	23,351	3,371,940,653	609,586	732,120,585	2,085,271,649	1,686,978,408	3,772,250,057
P. E. Island.....	384	2,734,719	1,327	888,121	4,164,223	2,221,746	6,385,969
Nova Scotia.....	1,388	141,549,856	23,834	26,127,781	85,724,785	63,274,708	148,999,493
New Brunswick.....	928	105,671,688	19,241	19,505,048	60,812,641	46,910,631	107,733,272
Quebec.....	7,677	1,028,226,105	186,308	205,829,155	553,558,520	517,693,125	1,071,251,045
Ontario.....	9,473	1,668,079,488	300,794	369,846,193	1,071,843,374	822,579,783	1,894,414,157
Manitoba.....	773	112,896,610	24,381	33,357,872	92,729,271	65,492,637	158,221,908
Saskatchewan.....	639	31,727,162	7,182	10,249,392	34,894,105	24,655,529	59,549,633
Alberta.....	722	61,063,132	11,387	15,903,609	56,139,646	32,466,428	88,606,074
British Columbia and Yukon.....	1,367	219,991,887	35,132	50,413,414	125,405,084	111,692,821	237,097,905
1922.							
Canada	23,541	3,344,302,410	474,430	510,431,312	1,283,774,723	1,194,431,107	2,482,309,120
P. E. Island.....	352	2,946,329	1,127	628,540	2,621,443	1,787,569	4,109,012
Nova Scotia.....	1,163	106,647,619	14,286	12,192,652	38,003,168	29,985,794	67,988,967
New Brunswick.....	897	82,230,895	14,351	12,201,014	38,059,376	26,821,281	64,880,657
Quebec.....	7,410	1,070,019,442	147,952	144,308,667	337,752,977	370,276,067	798,029,044
Ontario.....	9,388	1,696,738,996	243,297	275,559,006	678,746,675	617,752,828	1,296,499,503
Manitoba.....	781	98,779,517	14,188	18,274,012	54,630,668	41,326,416	95,957,084
Saskatchewan.....	614	31,101,612	4,196	5,618,174	22,450,051	16,357,481	38,807,532
Alberta.....	672	55,514,624	7,461	9,493,543	30,306,395	22,813,091	53,119,486
British Columbia and Yukon.....	1,264	210,323,379	27,572	32,095,704	81,203,970	71,313,880	152,517,850
1926.							
Canada	22,708	3,941,569,590	581,339	653,850,933	1,728,621,192	1,406,574,161	3,221,269,231
P. E. Island.....	299	2,850,010	2,261	690,463	2,637,960	1,309,179	4,069,051
Nova Scotia.....	1,163	118,050,902	16,782	13,014,707	39,137,205	30,751,779	72,505,768
New Brunswick.....	910	95,061,154	17,674	14,090,734	44,074,901	27,453,289	73,661,794
Quebec.....	7,164	1,216,975,958	180,669	189,329,145	442,927,613	429,057,781	899,644,124
Ontario.....	9,457	1,985,165,923	280,333	335,194,259	908,044,673	711,978,795	1,661,379,326
Manitoba.....	797	127,445,924	21,201	26,973,880	75,000,520	54,646,677	132,139,988
Saskatchewan.....	674	33,643,060	4,904	6,397,545	29,128,035	16,129,107	47,093,432
Alberta.....	749	72,468,286	10,233	12,808,554	49,826,532	31,404,783	83,059,494
British Columbia and Yukon.....	1,495	329,008,375	47,462	54,805,756	137,846,624	102,942,785	247,275,254
1929.							
Canada	23,597	5,083,014,751	691,434	813,019,812	2,032,029,975	1,894,919,156	4,029,371,310
P. E. Island.....	276	3,480,934	2,133	781,448	2,861,383	1,655,710	4,638,277
Nova Scotia.....	1,195	135,662,325	20,066	17,025,190	50,781,055	39,140,013	93,567,348
New Brunswick.....	860	117,965,970	18,517	15,712,322	39,845,223	29,051,944	70,825,654
Quebec.....	7,156	1,673,011,042	213,467	233,803,672	537,828,611	583,498,096	1,155,201,014
Ontario.....	9,910	2,418,340,450	339,859	421,789,723	1,057,407,249	975,407,258	2,060,391,430
Manitoba.....	923	173,152,948	26,318	34,158,583	88,055,264	71,933,922	163,806,010
Saskatchewan.....	761	58,877,124	8,047	10,438,759	51,143,205	26,749,229	80,435,537
Alberta.....	817	107,648,028	13,748	16,460,038	62,700,608	41,989,415	106,824,476
British Columbia and Yukon.....	1,699	394,866,933	51,379	61,980,107	141,395,377	125,484,869	273,681,585

¹See footnote to Table 1.

2.—Summary Statistics of Manufactures, by Provinces, for Representative Years, 1917-34—concluded.

NOTE.—See headnote, Table 1.

Province and Year.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products. ¹	Gross Value of Products.
	No.	\$	No.	\$	\$	\$	\$
1930.							
Canada	24,020	5,263,316,760	644,429	736,092,766	1,666,983,902	1,665,631,720	3,124,970,628
P. E. Island.....	267	3,441,958	2,055	788,100	2,546,827	1,575,771	4,254,966
Nova Scotia.....	1,302	133,671,163	21,069	17,537,090	44,500,178	37,471,895	85,802,921
New Brunswick.....	924	140,611,530	18,422	14,988,441	33,897,264	27,102,982	63,468,262
Quebec.....	7,410	1,727,064,388	204,802	216,835,675	462,244,278	527,240,859	1,022,280,687
Ontario.....	9,888	2,431,369,848	307,477	370,781,452	836,666,780	833,545,313	1,713,025,322
Manitoba.....	937	188,413,164	20,488	33,941,235	74,701,265	64,047,274	142,424,990
Saskatchewan.....	750	65,486,140	7,248	9,229,593	35,008,157	24,287,264	62,276,766
Alberta.....	845	109,930,271	14,099	17,092,033	53,621,884	38,735,496	94,314,782
British Columbia and Yukon.....	1,697	403,328,298	42,779	54,898,541	123,131,269	111,624,916	241,121,932
1932.							
Canada	24,544	4,741,255,610	495,398	565,883,323	955,968,683	1,097,294,291	2,126,194,555
P. E. Island.....	274	3,867,195	1,147	725,237	1,949,038	1,486,645	3,566,968
Nova Scotia.....	1,404	125,639,707	13,142	11,199,861	22,920,430	21,631,710	50,351,064
New Brunswick.....	841	117,454,168	11,987	10,623,685	20,776,650	23,771,860	47,472,937
Quebec.....	7,851	1,632,955,979	161,439	151,481,138	292,203,152	350,308,585	608,417,093
Ontario.....	9,844	2,141,008,857	239,231	256,207,232	459,910,999	537,846,109	1,028,397,654
Manitoba.....	970	190,545,652	22,255	24,157,589	45,591,099	47,082,661	96,056,029
Saskatchewan.....	774	63,294,823	5,535	6,392,082	18,214,555	15,984,414	36,101,516
Alberta.....	943	100,609,788	11,174	11,886,114	28,442,192	25,405,221	55,293,832
British Columbia and Yukon.....	1,643	362,879,441	29,488	33,210,405	65,960,568	69,867,086	140,538,010
1933.							
Canada	25,232	4,689,373,704	493,993	465,562,090	969,188,574	1,045,259,150	2,086,947,847
P. E. Island.....	263	3,386,095	1,065	597,980	1,592,301	1,384,072	3,077,817
Nova Scotia.....	1,378	123,645,961	13,260	10,701,189	25,402,432	24,356,279	52,901,937
New Brunswick.....	800	122,130,573	11,994	9,877,690	20,471,624	21,453,127	44,826,347
Quebec.....	8,070	1,648,872,387	163,571	141,358,231	292,950,595	336,407,772	653,066,534
Ontario.....	10,158	2,087,072,413	235,810	234,391,900	465,106,584	510,578,550	1,005,233,502
Manitoba.....	1,073	179,720,120	20,749	20,699,440	44,697,266	44,608,801	91,408,441
Saskatchewan.....	818	64,950,579	5,614	5,871,180	19,164,919	15,251,760	30,199,698
Alberta.....	975	98,345,221	10,944	10,896,132	29,505,155	23,838,049	54,642,706
British Columbia and Yukon.....	1,697	361,250,355	30,896	31,168,339	70,297,098	70,381,040	145,490,955
1934.							
Canada	25,663	4,703,917,739	545,162	533,594,635	1,239,977,053	1,272,943,899	2,533,758,951
P. E. Island.....	273	3,517,088	1,093	600,216	1,921,421	1,281,040	3,302,586
Nova Scotia.....	1,386	119,064,747	15,041	12,401,325	28,497,123	28,406,917	60,844,581
New Brunswick.....	847	123,476,314	13,522	11,367,625	24,637,918	26,357,257	54,057,547
Quebec.....	8,168	1,678,486,302	181,546	161,197,908	357,751,720	380,453,666	766,498,000
Ontario.....	10,322	2,063,721,735	259,621	270,834,102	610,485,807	611,303,863	1,255,325,701
Manitoba.....	1,077	183,937,703	21,723	22,020,690	54,719,469	48,484,665	105,358,000
Saskatchewan.....	845	65,975,159	5,986	6,093,983	24,269,080	16,238,427	42,261,723
Alberta.....	968	98,418,699	11,565	11,775,745	40,381,587	27,576,875	69,389,118
British Columbia and Yukon.....	1,777	367,320,343	35,065	37,302,741	88,292,928	82,941,189	176,721,398

¹See footnote to Table 1.

3.—Summary Statistics of Manufactures, by Industrial Groups, for Representative Years, 1917-34.

NOTE.—See headnote, Table 1.

Industrial Group and Year.	Estab-lish-ments.	Capital.	Em-ployees	Salaries and Wages.	Cost of Materials.	Net Value of Products.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$	\$
1917.							
Totals	22,838	2,696,154,030	621,694	509,382,027	1,541,087,416	1,332,180,767	2,873,268,183
Vegetable products	3,816	274,722,765	61,288	44,780,329	365,483,923	181,072,143	546,556,066
Animal products	5,486	207,165,245	46,994	35,753,133	320,302,039	124,103,090	444,406,029
Textile products	1,360	190,823,197	82,639	51,189,060	132,479,763	115,739,096	248,218,859
Wood and paper	7,255	537,731,225	153,751	115,137,384	149,927,482	248,986,564	398,914,046
Iron and its products	1,404	634,642,989	142,416	140,334,255	357,688,333	334,616,810	692,305,143
Non-ferrous metals	296	69,421,911	18,220	15,898,890	46,445,469	41,039,351	87,484,820
Non-metallic minerals	1,410	150,328,144	22,284	19,360,952	38,724,530	60,802,754	99,527,284
Chemicals and allied products	539	175,836,600	56,153	51,505,484	99,068,092	131,381,995	230,450,087
Miscellaneous industries	606	93,477,696	29,102	27,644,825	30,967,785	49,901,210	80,869,001
Central electric stations	666	356,004,108	8,847	7,777,715	Nil	44,536,848	44,536,848
1920.							
Totals	23,351	3,371,940,653	609,586	732,120,585	2,085,271,649	1,686,978,408	3,772,250,657
Vegetable products	4,219	394,123,233	72,380	75,695,530	532,484,195	234,317,527	766,801,722
Animal products	4,823	221,792,457	48,687	54,291,606	400,496,354	152,995,130	553,491,484
Textile products	1,304	302,758,185	87,730	84,433,609	256,233,300	173,741,035	429,974,335
Wood and paper	7,867	772,086,812	143,731	171,610,460	308,282,232	415,784,276	724,060,508
Iron and its products	1,690	642,904,322	146,204	205,414,599	349,642,666	365,473,097	715,115,763
Non-ferrous metals	324	106,382,033	23,162	27,895,343	48,434,120	52,847,178	101,281,298
Non-metallic minerals	1,176	223,541,735	27,361	34,406,423	74,200,407	85,216,316	159,416,723
Chemicals and allied products	464	122,123,730	17,653	22,193,421	62,644,608	65,183,212	127,827,820
Miscellaneous industries	665	134,954,504	31,985	41,562,885	52,853,767	75,715,577	128,569,344
Central electric stations	819	448,273,642	10,693	14,626,709	Nil	65,705,060	65,705,060
1922.							
Totals	22,541	3,244,302,410	474,430	510,431,312	1,283,774,723	1,198,434,407	2,482,209,130
Vegetable products	4,355	371,361,682	63,217	64,424,922	330,589,052	206,946,749	537,535,801
Animal products	5,118	201,829,414	49,595	49,933,679	264,978,631	107,473,382	371,552,013
Textile products	1,709	268,065,238	88,048	76,224,361	153,066,593	155,493,510	308,590,103
Wood and paper	6,983	761,188,396	118,462	132,084,914	206,682,820	283,131,062	489,814,782
Iron and its products	1,040	526,109,953	74,588	90,605,157	168,282,265	163,302,638	331,584,903
Non-ferrous metals	325	102,208,275	18,222	21,451,629	30,861,895	39,993,798	70,855,693
Non-metallic minerals	1,065	238,601,461	22,468	27,204,642	63,377,262	77,011,159	141,288,421
Chemicals and allied products	469	118,025,483	14,082	16,770,503	47,039,926	48,904,259	95,944,185
Miscellaneous industries	542	88,753,756	15,064	17,236,255	19,796,279	32,948,084	52,744,363
Central electric stations	905	568,068,752	10,684	14,495,250	Nil	82,328,866	82,328,866

¹ These figures do not correspond with those published in the Annual Report on Chemicals and Allied Products, which have been revised and are directly comparable with those given here for 1929-34. See headnote to Table 1, p. 7.

3.—Summary of Statistics of Manufactures, by Industrial Groups, for Representative Years, 1917-34—continued.

NOTE.—See headnote, Table 1.

Industrial Group and Year.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products. ¹	Gross Value of Products.
1926.	No.	\$	No.	\$	\$	\$	\$
Totals	22,708	3,981,569,590	581,539	653,850,933	1,728,624,192	1,406,574,164	3,221,269,231
Vegetable products.....	4,529	449,259,094	73,908	75,349,586	414,316,414	234,330,172	658,320,716
Animal products.....	4,896	223,938,559	67,843	60,203,986	329,114,267	118,071,730	452,034,925
Textile products.....	1,698	317,275,429	100,572	88,596,752	202,832,383	158,203,397	366,334,044
Wood and paper.....	6,751	929,589,278	134,187	160,916,729	261,001,976	314,685,753	600,064,661
Iron and its products.....	1,142	597,982,098	103,510	137,640,065	258,020,373	234,326,351	505,188,849
Non-ferrous metals.....	403	202,503,426	30,095	39,201,147	90,613,004	84,993,291	183,501,723
Non-metallic minerals.....	1,240	261,724,184	26,045	31,986,949	82,293,319	77,491,488	174,156,923
Chemicals and allied products ¹	556	133,407,891	14,345	18,309,377	60,124,582	58,718,891	122,589,526
Miscellaneous industries.....	436	109,669,565	17,628	21,703,342	30,307,874	38,950,740	70,143,531
Central electric stations.....	1,057	756,220,066	13,406	19,943,000	Nil	86,796,351	88,933,733
Totals	23,597	5,083,014,754	694,434	813,049,842	2,632,020,975	1,994,910,456	4,029,371,340
Vegetable products.....	5,005	569,064,835	88,858	93,299,665	427,019,724	334,152,957	771,457,665
Animal products.....	4,490	243,825,065	67,670	62,081,423	345,351,882	127,929,857	477,761,855
Textile products.....	1,891	383,153,797	115,620	105,896,237	220,304,250	200,123,532	426,247,587
Wood and paper.....	7,405	1,152,075,234	164,800	192,235,448	314,203,289	381,913,307	725,819,740
Iron and its products.....	1,169	754,989,105	132,281	186,928,700	384,925,660	336,378,090	738,012,980
Non-ferrous metals.....	408	298,721,106	39,867	54,501,806	124,900,632	150,415,215	283,545,666
Non-metallic minerals.....	1,188	329,448,844	31,431	41,511,846	117,149,130	106,601,828	242,023,518
Chemicals and allied products.....	554	165,886,912	16,694	22,639,449	55,184,337	78,785,911	138,545,221
Miscellaneous industries.....	463	130,118,324	21,049	29,123,447	42,982,071	58,740,708	103,073,662
Central electric stations.....	1,024	1,055,731,532	16,164	24,831,821	Nil	119,869,051	122,883,446
Totals	24,020	5,263,316,760	644,439	736,092,766	1,666,983,902	1,065,631,770	3,428,970,628
Vegetable products.....	5,041	569,403,769	84,182	85,259,243	357,510,340	304,859,515	672,023,666
Animal products.....	4,341	233,334,972	57,657	55,564,398	285,328,411	127,929,546	417,540,878
Textile products.....	1,986	368,567,643	109,576	97,903,096	184,563,865	171,624,454	361,814,733
Wood and paper.....	7,816	1,221,357,252	156,724	174,406,889	268,249,293	338,033,880	636,599,911
Iron and its products.....	1,196	757,797,256	119,987	165,429,608	281,713,862	273,592,622	569,745,973
Non-ferrous metals.....	429	325,605,549	38,766	52,319,027	111,738,411	130,320,719	250,458,721
Non-metallic minerals.....	1,234	336,018,922	29,868	39,241,165	107,206,674	93,489,123	216,812,827
Chemicals and allied products.....	591	168,119,152	15,503	21,041,789	48,165,038	67,798,313	119,969,637
Miscellaneous industries.....	452	84,912,229	14,328	17,640,108	22,508,008	34,540,332	57,966,137
Central electric stations.....	1,034	1,138,200,016	17,858	27,287,443	Nil	123,443,266	126,088,145

¹ See footnote to Table 1.

3.—Summary Statistics of Manufactures, by Industrial Groups, for Representative Years, 1917-34—concluded.

NOTE.—See headnote, Table 1.

Industrial Group and Year.	Estab-lish-ments.	Capital.	Em-ployees.	Salaries and Wages.	Cost of Materials.	Net Value of Products. ¹	Gross Value of Products.
1932.	No.	\$	No.	\$	\$	\$	\$
Totals	24,544	4,741,255,610	485,398	505,883,323	955,868,683	1,097,284,201	2,126,194,555
Vegetable products	5,244	516,356,149	72,390	70,047,452	225,135,488	202,863,423	436,736,251
Animal products	4,413	103,015,462	49,953	45,979,793	167,170,394	91,805,184	262,793,629
Textile products	2,002	321,593,062	102,116	82,817,944	129,468,738	139,208,178	274,411,736
Wood and paper products	7,844	954,639,232	107,834	112,372,202	142,349,790	203,842,605	369,601,600
Iron and its products	1,233	608,619,518	74,214	82,339,437	102,289,749	114,991,850	225,632,185
Non-ferrous metals	452	272,045,441	26,704	32,755,103	67,934,940	78,150,931	152,111,317
Non-metallic minerals	1,182	312,509,679	20,342	24,479,677	74,358,159	62,894,054	147,765,618
Chemicals and allied products	662	160,939,954	15,295	20,008,108	35,276,831	56,489,910	95,279,376
Miscellaneous industries	479	65,600,126	11,155	11,822,441	11,984,894	20,452,038	33,242,610
Central electric stations	1,033	1,335,886,987	15,395	23,261,160	Nil	126,586,718	128,420,233
1933.							
Totals	25,232	4,689,373,704	493,903	465,562,090	969,188,574	1,048,259,450	2,086,847,847
Vegetable products	5,542	509,533,005	73,095	66,137,487	224,243,088	189,134,032	421,849,872
Animal products	4,496	201,993,642	53,111	46,453,188	179,429,948	87,629,444	271,068,210
Textile products	2,151	322,312,247	106,235	80,695,813	144,584,507	143,990,608	294,715,248
Wood and paper products	7,917	893,309,680	105,471	102,500,377	134,979,700	184,723,329	342,155,077
Iron and its products	1,291	580,760,379	70,947	69,482,730	97,705,853	105,667,318	211,961,908
Non-ferrous metals	478	266,266,443	25,273	28,099,026	71,990,608	88,427,984	164,765,604
Non-metallic minerals	1,144	307,096,274	19,296	21,680,263	71,713,986	60,503,998	141,791,451
Chemicals and allied products	696	153,900,930	15,397	18,738,629	34,271,854	55,394,284	92,829,761
Miscellaneous industries	476	66,769,049	10,361	10,342,700	10,269,030	17,124,800	28,187,635
Central electric stations	1,041	1,386,532,055	14,717	21,431,877	Nil	115,663,653	117,532,081
1934.							
Totals	25,663	4,703,917,730	545,162	533,594,635	1,239,977,653	1,222,943,899	2,533,758,954
Vegetable products	5,656	506,714,365	77,464	71,389,376	260,491,348	210,899,307	480,814,618
Animal products	4,504	210,240,801	57,190	50,191,368	226,262,465	94,998,316	325,703,683
Textile products	2,234	328,362,816	115,695	90,796,001	174,532,597	160,723,494	342,054,536
Wood and paper products	8,075	884,593,673	116,691	117,360,969	155,389,258	223,240,884	404,435,948
Iron and its products	1,255	547,892,157	81,782	88,924,168	154,055,806	143,369,504	308,303,352
Non-ferrous metals	488	263,488,479	30,177	35,097,986	119,713,328	112,155,502	237,233,670
Non-metallic minerals	1,164	307,338,479	21,950	24,905,554	84,508,166	71,357,352	166,782,852
Chemicals and allied products	736	156,788,418	17,130	20,919,740	41,998,776	62,216,030	108,052,039
Miscellaneous industries	508	67,716,376	12,091	12,179,382	14,025,309	21,521,517	30,414,643
Central electric stations	1,043	1,430,852,166	14,974	21,829,491	Nil	122,461,993	124,463,613

¹ See footnote to Table 1.

Subsection 2.—Summary Statistics of Manufacturing Production.

Summary Statistics of Manufactures.—In Table 4 will be found an analysis of the most important statistics of manufacture for the period 1917 to 1934, here brought together in order that the tendencies in Canadian manufacturing industries may be traced as clearly as possible through this latest period of their development. In analysing statistics of production and materials used, it should be borne in mind that, due to the inflation of values during the war and immediate post-war periods and the drop in prices of commodities during the depressions of 1921 and 1930, the figures for these years become largely incomparable. One very important figure, however, where the trend of development proceeds clearly and uninterruptedly, is concerned with the use of power. In the analysis here given the aim is to show the position of power as a factor in general manufacturing production. Therefore, the power installation of central electric stations has been excluded. The total horse-power employed increased from 1,664,578 in 1917 to 4,157,420 in 1932, or an increase of 150 p.c. in 15 years. In the same period the number of horse-power used per establishment increased from 75 to 177 and the number of horse-power per wage-earner from 3.04 to 10.62, indicating the rapidly increasing utilization of power in manufacturing production. The figures for 1934 show a small increase from 1932. The increase from \$118,056 to \$183,296 in average capital per establishment between 1917 and 1934, and the decrease from 27.2 to 21.2 in the average number of employees are very significant figures. Another interesting comparison is the progressive decrease in the value added by manufacture per employee and the average salaries and wages paid since 1929. Between 1917 and 1929 the value added by manufacture per employee increased from \$2,143 to \$2,729 and then declined in 1933 to \$2,122, while average salaries and wages increased from \$819 in 1917 to \$1,171 in 1929 with a decline to \$943 in 1933. Compared with 1917, the figures for average salaries and wages in 1934 represent an increase of 19.5 p.c., while the increase in the value added by manufacture per employee was only 4.7 p.c. and wholesale prices of commodities declined 37.4 p.c. in the same period.

Value of Products.—The gross value of manufactured products in 1934 was reported as \$2,533,758,954; the cost of materials, including fuel and electricity was \$1,310,815,055, leaving \$1,222,943,899 as the value added by manufacture. As the finished products of one branch of manufacture are constantly used as materials in other branches in the ascending scale of modern industry, it follows that they are counted over and over again, swelling in this manner the total gross value of products. The total value of manufactured products, strictly defined, would include: (1) the value of all raw materials obtained from the extractive and primary production industries which have entered into the manufacturing output; and (2) the entire value added to these raw materials by manufacturing processes from the time they first entered any factory up to the close of the census year. This total value would be very much greater than the \$1,222,943,899 shown as having been added by manufacture, but not so great as the \$2,533,758,954 shown as the gross value of production.

4.—Summary Statistics of Manufactures for Representative Years, 1917-34.

Item.	1917.	1920.	1922.	1926. ¹	1929. ¹	1930. ¹	1932.	1933.	1934.
Establishments.....No.	22,838	23,351	22,541	22,708	23,597	24,020	24,544	25,232	25,663
Capital.....\$	2,696,154,030	3,371,940,653	3,244,302,410	3,981,569,590	5,083,014,754	5,203,316,760	4,741,255,610	4,689,373,704	4,703,917,730
Averages, per establishment...\$	118,056	144,402	143,929	175,338	215,409	216,624	193,174	185,850	183,296
Averages, per employee.....\$	4,337	5,531	6,838	6,486	7,320	8,074	9,571	9,494	8,628
Averages, per wage-earner.....\$	4,876	6,404	8,143	7,967	8,503	9,435	11,843	11,741	10,560
Totals, employees.....No.	621,694	609,586	474,430	581,539	694,434	644,439	495,398	493,903	545,162
Averages, per establishment...No.	27.2	26.1	21.1	25.6	29.4	26.8	20.2	19.6	21.2
Totals, salaries and wages.....\$	509,382,027	732,120,585	510,431,312	653,850,933	813,049,842	736,092,766	505,883,323	465,562,090	533,594,635
Averages, per establishment...\$	22,304	31,353	22,645	28,794	34,456	30,645	20,611	18,451	20,792
Averages, per employee.....\$	819	1,201	1,076	1,124	1,171	1,142	1,021	993	979
Employees on salaries.....No.	68,726	83,015	76,040	81,794	96,607	92,943	95,070	94,494	99,730
Averages, per establishment...No.	3.0	3.6	3.4	3.6	4.1	3.8	3.9	3.7	3.9
Salaries.....\$	89,287,158	148,267,360	136,219,171	152,705,944	188,747,672	184,239,117	164,695,605	151,860,323	160,986,876
Averages, salaries.....\$	1,299	1,786	1,791	1,867	1,954	1,982	1,732	1,667	1,614
Employees on wages.....No.	552,968	526,571	398,390	499,745	597,827	551,496	400,328	399,409	445,432
Averages, per establishment...No.	24.2	22.6	17.7	22.0	25.3	23.0	16.3	15.8	17.4
Wages.....\$	420,094,869	583,853,225	374,212,141	501,144,989	624,302,170	551,853,649	341,187,718	313,701,767	372,607,759
Averages, wages.....\$	760	1,100	939	1,003	1,045	1,001	852	785	837
Cost of materials.....\$	1,541,087,416	2,085,271,649	1,283,774,723	1,728,624,192	2,032,020,975	1,666,983,902	955,968,683	969,188,574	1,230,977,053
Averages, per establishment...\$	67,479	89,301	56,953	76,124	86,114	69,400	38,949	38,411	47,967
Averages, per employee.....\$	2,470	3,421	2,709	2,972	2,926	2,587	1,930	1,902	2,258
Values added in manufacture.....\$	1,332,180,717	1,686,978,408	1,198,434,407	1,406,574,164	1,894,910,459	1,665,631,770	1,097,284,291	1,048,259,450	1,222,943,899
Averages, per establishment...\$	58,332	72,245	53,167	61,942	80,303	69,344	44,707	41,543	47,634
Averages, per employee.....\$	2,143	2,767	2,523	2,419	2,729	2,585	2,215	2,122	2,243
Gross values of products.....\$	2,873,268,183	3,772,250,057	2,482,209,130	3,221,269,231	4,029,371,340	3,428,970,628	2,126,104,555	2,080,847,847	2,533,758,954
Averages, per establishment...\$	125,811	161,546	110,120	141,850	170,758	142,755	86,628	82,706	98,732
Averages, per employee.....\$	4,622	6,188	6,232	5,539	5,802	5,321	4,292	4,225	4,648
Power employed ²H.P.	1,664,578	2,068,745	2,010,563	3,134,243	3,867,979	4,051,744	4,157,420	4,149,831	4,244,696
Averages, per establishment ²H.P.	75	92	95	145	171	170	177	172	165
Averages, per wage-earner ²H.P.	3.04	3.97	5.14	6.37	6.58	7.49	10.62	10.61	9.53

¹ 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. There was, therefore, a proportionate reduction in the averages for 1925-30 per employee and wage-earner, as compared with what these averages would have been under the other method. In 1931, however, the method in force prior to 1925 was re-adopted. The figures for 1931 and later years are, therefore, comparable with those for 1924 and earlier years.

² The figures for power in this table represent the installation in manufactures exclusive of central electric stations, which are also excluded from the number of establishments and of wage-earners in working out the averages.

³ See footnote to Table I.

Volume of Manufacturing Production in Recent Years.—*An investigation of the greatest importance, especially in a period when values are rapidly changing, is that of the volume of manufacturing production as distinguished from its value. Since real income is ultimately measured in goods and services, the growth of the volume of manufactures, therefore, becomes a matter of great importance. The important thing to know is whether consumers are getting more goods and services, not whether they are expending more dollars and cents.

The ever-increasing use of factory products is one of the most significant features of modern life. The process has continued until at the present time fresh fruits and vegetables are about the only articles which reach the consumer without, in some way, being first processed at a factory. Fresh milk is pasteurized and bottled in a dairy plant, fresh fish and meats are dressed principally in packing plants and the home preserving of fruits and vegetables is being superseded by more efficient processes in the canning factory. Thus even the foods we eat, as well as the clothing we wear, our household conveniences and our instruments of production and transportation, are increasingly products of factories. The growing volume of factory production, therefore, measures approximately the total flow of the economic goods upon which the rising standards of modern life so vitally depend.

The statistics of manufactures afford a variety of measures of the growth of factory production. The number of wage-earners, capital invested, value of production and value added by manufacture all show to some extent the direction and volume of growth. The value of production and that added by manufacture, being reported in dollars, are influenced by price changes as well as the quantity of goods produced, and, as already explained, become misleading under the violent price changes of the past fifteen years. The capital invested is also affected by changing money values, while the relation between capital invested and value of goods produced varies greatly as between one industry and another. Neither is the number of wage-earners employed likely to be a representative measure of changes in the volume of production. The progressively increasing use of machinery and the rise in the power installed per wage-earner (see Table 4) tend to increase the employee's output. Thus, while the reported wage-earners in 1934 had decreased 1.0 p.c. from the number in 1923, the volume of production is estimated to have increased 17.9 p.c. in the same period.

The central electric stations were excluded from general manufactures in making the index, since this industry is in a class by itself in the peculiar function of its product, and is also unique in the magnitude of its capital investment and the smallness of its labour force in proportion to its net production. The index is based on the quantities of manufactured products reported and includes 71.1 p.c. of the total value of the production in 1926, exclusive of central electric stations. It is weighted according to the values added by manufacture in 1926. A complete description of the manner in which the index is constructed will be found in the publication referred to in the footnote.

The physical volume of manufacturing production, exclusive of central electric stations, increased 50.2 p.c. from 1923 to 1929. When it is recalled that the popu-

* For a much more detailed and comprehensive treatment of this subject, see the study "The Quantity of Manufacturing Production in Canada 1923-29" by A. Cohen, B.Com., Chief, General Manufactures Branch, Dominion Bureau of Statistics.

lation of Canada is estimated to have increased only 11.3 p.c. during the same period, the growth of manufacturing production is indeed remarkable. Of this advance, the part resulting from an increase in the domestic demand due to growth of population would be about 11.3 p.c. Exports of partly and fully manufactured goods increased from \$591,830,000 in the fiscal year ended Mar. 31, 1924, to \$690,904,000 in the fiscal year 1930, the increase in exports representing about 3.6 p.c. of the 1923 production. The remainder of the increase in production by 1929, or a margin equal to roughly 35 p.c. of the volume of manufactures of 1923, was, therefore, apparently absorbed by increases in the capital equipment and by the rise in the standard of living of the population of Canada.

As may be seen from Table 5, all groups in the component material classification reported declines in the volume of production during the depression. In comparing the low point of the depression, *viz.*, 1933 with 1929 it is found that the iron and steel group suffered the greatest contraction in production with a decrease of 61.1 p.c. This was followed by the miscellaneous industries group, with a decrease of 46.5 p.c., non-metallic mineral products 46.3 p.c., wood and paper products 30.0 p.c., non-ferrous metal products 29.2 p.c., vegetable products 25.2 p.c., chemicals and allied products 17.6 p.c., animal products 9.5 p.c. and textiles and textile products 5.8 p.c.

In 1934 there was material improvement, the index of production for all industries rising from 100.2 in 1933 to 117.9 in 1934. In spite of this improvement, all groups, with the exception of textiles, are still below the 1929 level of production. The output of textiles in 1934 was about 4 p.c. greater than in 1929. This is an all-time record for this group of industries.

In analysing the changes in the volume of production, on a purpose classification basis, some interesting facts are revealed. In comparing 1933 with 1929 it is found that the food group reported a decrease of 10.6 p.c., while that of clothing decreased 14.7 p.c. The output of vehicles and vessels, which is largely made up of the automobile and rubber-tire industries, recorded a decrease of 59.5 p.c.—this is the greatest decrease of any group. Producers' materials and industrial equipment declined 37.5 p.c. and 45.8 p.c. respectively, due to the general decline in industrial activity. House furnishings dropped 36.6 p.c., personal utilities 30.4 p.c., drink and tobacco 31.5 p.c., and books and stationery 7.2 p.c. The decrease in the personal utilities group needs some explanation. The production of musical instruments, which is included in this group, has been decreasing steadily during the past few years, the output of pianos, phonographs and phonograph records becoming smaller and smaller. The main product of the musical instruments industry, namely, the radio, is now produced in the electrical apparatus industry. This industry, however, is credited to the industrial equipment group, as by far the largest part of its output consists of industrial equipment.

All groups shared in the improvement which occurred in 1934. None of the major groups, however, were able to equal the 1929 production figures. The only exceptions are two minor groups, "books and stationery" and "miscellaneous industries". These two groups reported a volume of production in 1934 exceeding that of 1929.

5.—Indexes of the Volume of Manufacturing Production, According to Component Material and Purpose Classifications, 1923-34.

(1923 = 100.)

Group.	1925.	1926.	1928.	1929.	1930.	1931.	1932.	1933.	1934.
COMPONENT MATERIAL CLASSIFICATION—									
Vegetable products.....	120.8	127.7	151.1	155.3	146.6	133.0	118.1	116.1	131.9
Animal products.....	113.0	122.9	123.8	117.2	113.6	103.2	102.2	106.1	115.5
Textiles and textile products.....	103.4	117.8	135.3	133.8	124.4	121.6	116.0	126.2	139.1
Wood and paper products.....	106.0	119.9	142.0	152.9	141.5	117.9	104.6	107.1	125.3
Iron and its products.....	95.1	121.7	138.1	157.8	126.9	96.2	65.0	61.4	82.9
Non-ferrous metals.....	122.8	137.2	176.1	190.3	179.7	171.1	137.7	134.8	165.7
Non-metallic minerals.....	98.3	112.5	138.9	163.1	149.5	130.4	94.9	87.5	103.4
Chemicals and allied products.....	109.5	119.0	139.6	143.3	126.5	116.9	111.5	118.1	133.9
Miscellaneous industries.....	106.0	124.8	136.5	137.3	116.6	101.0	82.5	73.5	88.4
Totals, All Industries¹.....	107.5	122.2	141.9	150.2	126.2	118.3	100.1	100.2	117.9
PURPOSE CLASSIFICATION—									
Food.....	114.0	118.1	122.4	121.4	123.5	113.2	109.4	108.5	119.3
Clothing.....	107.5	120.6	138.7	138.5	127.9	122.9	112.4	118.1	126.8
Drink and tobacco.....	121.8	131.6	171.6	184.9	172.2	155.7	134.0	126.6	145.2
Personal utilities.....	102.2	117.1	125.2	119.3	98.8	91.9	82.7	83.0	93.4
House furnishings.....	109.1	126.7	158.4	174.5	159.2	138.4	114.0	110.6	127.3
Books and stationery.....	97.6	107.4	132.0	141.2	140.3	133.7	137.1	131.0	149.0
Vehicles and vessels.....	107.7	140.1	158.5	184.3	149.4	106.9	73.4	74.6	99.1
Producers' materials.....	103.8	117.8	138.0	146.9	130.0	110.2	88.3	91.8	111.6
Industrial equipment.....	108.3	131.1	167.9	169.7	150.7	127.4	99.1	92.0	114.7
Miscellaneous.....	108.4	117.6	133.4	147.1	123.4	125.4	116.9	133.3	161.7

¹ Exclusive of central electric stations.

The index of the volume of production dropped from 150.2 in 1929 to 100.2 in 1933 and then rose to 117.9 in 1934, making a net decrease of 21.5 p.c. This decrease is significant when compared with the decrease of 35.5 p.c. in the net value of production and 25.5 p.c. in the number of wage-earners employed.

Owing to declines in the values of finished products (due, in a large degree, to drastic declines in the values of raw materials) and to the decrease in the volume of production, the net value of production dropped from \$1,894,910,456 in 1929 to \$1,222,943,899 in 1934, a decrease of 35.5 p.c., while the number of wage-earners dropped from 597,827 to 445,432, a decrease of 25.5 p.c. It will be noted that the percentage decrease in the volume of production between 1929 and 1934 was 4.0 less than the percentage decrease in the number of wage-earners in the same period. According to the observations made in the special study on the volume of production, the number of wage-earners may be regarded as more likely to understate than to overstate the changes in the volume of production. As stated previously, the tendency is toward increasing production per wage-earner through greater efficiency and increased use of machinery and labour-saving devices. Also, in times of depression, many establishments follow the practice of keeping the wage-earners on the pay roll on a part-time basis rather than laying some of them off and employing the rest on full time, while in periods of increased industrial activity the additional output required is secured through overtime work rather than an increase in the number of wage-earners. The net result is to confine fluctuations in the number of wage-earners within narrower limits than that of the physical volume of production. All things considered, however, the average number of wage-earners is materially influenced by the fluctuations in industrial activity. The decrease in the volume of production as compared with the decrease in the number of wage-earners since 1929 is really much smaller than the 4.0 p.c. mentioned above. This fact, however, is obscured by the following changes in procedure:—

First, the large decrease in the number of wage-earners in 1931 is not entirely due to the decline in manufacturing production. The decrease is in part due to the change in method of computing the average annual employment. Between 1925 and 1930 the average for each individual plant was obtained by dividing the sum of the monthly employment figures by the number of months in operation, instead of by 12, the number of months in the year. For example, if a plant operated only during three months of the year with an employment of 100 persons the first month, 125 the second month and 75 the third month, its average annual employment was taken as 100 ($300 \div 3$); the same as that of another plant which operated the whole year with an average employment of 100 persons per month. In 1931, however, a change was made to the old method whereby the aggregate of the monthly figures is divided by 12. As a result of this change, the average annual employment in such seasonal industries as fruit and vegetable canning and sawmilling was, therefore, considerably lower than formerly without the number of wage-earners being correspondingly smaller.

Secondly, prior to 1931, owners who were working as ordinary wage-earners such as small bakers, operators of sawmills and grist-mills, etc., reported themselves as wage-earners. In 1931, however, all such owners were required to report themselves as salaried employees. By making allowances for the above changes it would be found that during the depression the number of wage-earners declined less than the volume of production.

The construction of this new index of the volume of manufacturing production has superseded for 1923 and later years the index published in 1931 and previous years. The former index, which made no pretence to the reliability of the new one, was made by dividing the gross value of manufactures by the index number of the prices of manufactured goods. The central electric stations were included in the former index, while they are excluded from the new one. However, the former index covered the period 1917 to 1923 not covered in the new one and, since this earlier period was one of wide fluctuations in money values, the following index numbers are given for the whole period since 1917, using the earlier method, but excluding central electric stations, for the years 1917 to 1922, and the new index, transposed to the 1917 base, from 1923 to 1934.

INDEXES OF THE VOLUME OF MANUFACTURING PRODUCTION, 1917-34.

(1917=100.)

1917.....	100.0	1922.....	96.0	1927.....	136.5	1932.....	105.0
1918.....	102.0	1923.....	104.8	1928.....	148.8	1933.....	105.1
1919.....	98.1	1924.....	102.9	1929.....	157.5	1934.....	123.7
1920.....	95.0	1925.....	112.7	1930.....	142.8		
1921.....	86.1	1926.....	125.1	1931.....	124.1		

Consumption of Manufactured Products.—One of the beneficial results of placing the classification of external trade and of production upon a common basis is exhibited in Table 6, where the value of commodities made available for consumption in Canada is derived from the statistics of the two important fields. For example, the value of all manufactured commodities made available in a period approximately corresponding to 1934 was \$2,469,033,897, a figure obtained by adding to the value of manufactured products in 1934 the value of the imports of manufactured and partly manufactured goods during the fiscal year ended Mar. 31, 1935, and deducting the value of the corresponding exports for the same period. In this table more accurate statistics could be presented were it possible to exclude

from the gross value of manufactured products the duplications involved when the products of one manufacturing establishment become the materials worked upon in another. Vegetable, textile, iron, animal, and wood and paper products were, in that order, the leading groups in the value of finished goods made available for consumption. The large amount of manufactured vegetable products made available for consumption was due to the large domestic production, as the exports and imports were about equal, while manufactures of textiles and iron and steel products, in addition to a large production, showed an excess of imports over exports of \$48,000,000 for textiles, and \$55,000,000 for iron and steel products. Wood and paper, animal and non-ferrous metal products were manufactured in Canada in greater quantities than required for home consumption, providing export balances in these groups of manufactures.

In 1929, the order of the groups by the values available for consumption was iron, vegetable, textile, wood and paper, and animal products. In that year the value of iron products available for consumption represented 22.4 p.c. of the total for all products; in 1934 iron products represented only 14.9 p.c. of the total. Since 1929 the consumption of vegetable, animal, chemical and textile products has been much better maintained than those of iron, non-metallic mineral and wood products.

6.—Consumption of Manufactured Products, by Groups, 1934, with Totals for 1922-34.

NOTE.—Statistics of manufacturing production are for the calendar year. Imports and exports of manufactured and partly manufactured goods are for the fiscal years ended Mar. 31 of the following years.

Group of Industries.	Value of Products Manufactured.	Manufactured and Partly Manufactured Goods.		Value of Manufactured Products Available for Consumption. ¹
		Value of Net Imports.	Value of Domestic Exports	
	\$	\$	\$	\$
Totals, 1922	2,482,209,130	571,551,323	515,173,415	2,541,587,038
Totals, 1923	2,781,165,314	639,313,645	591,829,306	2,828,679,853
Totals, 1924	2,695,033,582	576,041,243	591,398,479	2,679,486,316
Totals, 1925	2,918,545,315	671,162,940	695,325,245	2,924,688,010
Totals, 1926	3,221,269,231	767,022,008	673,709,266	3,314,581,973
Totals, 1927	3,391,713,270	825,147,919	618,178,000	3,574,684,489
Totals, 1928	3,738,484,728	951,468,015	702,311,797	3,990,637,919
Totals, 1929	4,029,371,310	939,226,894	690,904,225	4,277,694,009
Totals, 1930	4,128,970,628	675,919,565	491,561,750	3,610,318,413
Totals, 1931	2,698,161,862	423,610,330	350,166,608	2,771,905,484
Totals, 1932	2,126,191,555	281,928,859	269,423,169	2,138,700,215
Totals, 1933	2,086,817,847	298,133,224	367,873,223	2,017,109,848
Vegetable products	480,314,618	64,075,510	62,444,156	481,945,972
Animal products	325,703,683	11,617,264	50,827,213	286,493,734
Textiles and textile products	342,054,536	54,833,009	6,833,496	390,054,049
Wood and paper products	404,435,948	20,196,392	149,473,273	275,159,067
Iron and its products	308,303,352	96,487,884	40,728,275	363,612,961
Non-ferrous metal products	237,233,670	24,560,597	76,868,614	184,925,453
Non-metallic mineral products	166,782,852	29,379,622	7,585,340	188,577,134
Chemicals and allied products	108,052,039	28,084,675	15,270,054	121,466,050
Miscellaneous industries	36,414,643	27,935,331	9,063,866	55,286,108
Central electric stations	124,463,613	68,110	3,019,154	121,512,569
Totals, 1934	2,533,758,954	357,388,394	422,113,451	2,469,033,897

¹ For 1928 to 1934 foreign products imported and later re-exported are eliminated from the value of products available for consumption, but for 1927 and previous years this was impossible, since foreign exports for these years had never been analysed as raw materials or partly or fully manufactured goods. Therefore in this table the value of manufactured products made available for consumption, for the years 1922 to 1927 inclusive, is an overstatement by the amount of the foreign exports of manufactured goods in each year, probably varying from about \$11,000,000 in 1922 to \$18,000,000 in 1927.

Section 2—Production of Industrial Groups and Individual Industries

One of the factors in the progress of Canada is the possession of many natural resources favourable to industrial growth. It is upon the country's agricultural resources, forests, minerals and water powers that Canada's industries are mainly based. The fish and fur resources also make an important contribution of raw materials to the manufacturing industries of the Dominion. Nevertheless, the industrial development of Canada was a matter of small beginnings and gradual growth over a period of many years, and the comparatively small home market, restricted at the present time to a population of about eleven millions, a large part of it in scattered agricultural areas, is still one of the difficulties of the situation. Yet Canada is now not merely the second largest manufacturing country in the British Empire; her exports to the other Dominions consist largely of manufactured goods and her exports of manufactured and partly manufactured goods to the United States exceed the exports of raw materials. The rate at which this movement is to continue will depend almost entirely upon growth within the Dominion—upon the further development of the many-sided physical assets of the country.

Effects of the Depression on the Manufacturing Industries of Canada.—The downward trend in manufacturing operations which began in the fall of 1929 continued with increasing force to about the middle of 1933. The first pronounced increase was reported for the month of June, but thereafter, each succeeding month recorded a slight gain over that of the preceding month. The gains in the latter part of the year were not, however, sufficiently pronounced to overcome the losses of the beginning of the year. As a result of this, the output of manufactured products in 1933, valued at \$2,086,847,847, was the lowest annual average reached in the period. This was a decrease of 48.2 p.c. as compared with the peak year of 1929. In 1934 the value of production amounted to \$2,533,758,954, an increase of 21.4 p.c. over the previous year but still 37.1 p.c. below the 1929 level. The number of persons employed dropped from 694,434 in 1929 to 493,903 in 1933, a drop of 28.9 p.c. In 1934, however, the number of employees rose to 545,162, an increase of 10.4 p.c. from the 1933 figures. In spite of this increase, the employees in 1934 still numbered 21.5 p.c. below the 1929 figures. The decline in salary and wage payments exceeded even that of the number of employees, the drop between 1929 and 1933 being \$347,487,752 or 42.7 p.c. In 1934 the increase in salary and wage payments amounted to \$68,032,545. Average earnings per employee which in 1933 amounted to \$942 represents a decrease of 19.6 p.c. from the average earnings of \$1,171 in 1929. In 1934 average earnings rose to \$979. The following table shows the percentage variation in employment, salary and wage payments and value of production since 1929.

Percentage Variation in Employment, Salaries and Wages, and Gross Value of Products in the Manufacturing Industries in the Five-Year Period 1929-1934.

Group of Industries.	Low Point of the Depression Compared with 1929.			1934 Compared with 1929.			1934 Compared with 1933.		
	Em- ployees.	Salaries and Wages.	Gross Value of Pro- ducts.	Em- ployees.	Salaries and Wages.	Gross Value of Pro- ducts.	Em- ployees.	Salaries and Wages.	Gross Value of Pro- ducts.
Vegetable products.....	-17.7	-29.1	-43.2	-12.8	-23.5	-37.7	+ 6.0	+ 7.9	+13.9
Animal products.....	-26.2	-25.9	-45.0	-15.5	-19.2	-31.8	+14.5	+ 9.2	+23.9
Textiles and textile pro- ducts.....	-11.7	-21.8	-35.6	+ 0.1	-14.3	-19.8	+13.3	+ 9.6	+24.7
Wood and paper products..	-36.0	-46.7	-52.9	-29.2	-38.9	-44.3	+10.6	+14.5	+18.2
Iron and its products.....	-46.4	-62.8	-71.3	-38.2	-52.4	-58.2	+15.3	+28.0	+45.5
Non-ferrous metal pro- ducts.....	-33.0	-39.9	-46.4	-24.3	-35.6	-16.3	+13.0	+ 7.2	+56.0
Non-metallic mineral pro- ducts.....	-38.6	-47.8	-41.4	-30.1	-40.0	-31.1	+13.8	+14.9	+17.6
Chemicals and chemical products.....	- 7.8	-17.2	-33.0	+ 2.6	- 7.6	-20.0	+11.3	+11.6	+16.4
Miscellaneous products*...	-50.8	-64.5	-72.7	-42.6	-58.2	-64.7	+16.7	+17.8	+29.2
Central electric stations...	-17.6	-21.5	- 6.8	-16.1	-20.0	- 1.3	+ 1.7	+ 1.9	+ 5.9
Averages for all Indus- tries.....	-28.9	-42.7	-48.2	-21.5	-34.4	-37.1	+10.4	+14.6	+21.4

* In 1930 bridge building was transferred from this group to that of iron and its products.

Analysis by Groups of Industries.—The iron and its products group was hit hardest by the depression. In gross value of products, the output of these industries was reduced by 71.3 p.c. in 1933 compared with 1929. In salaries and wages paid the reduction was 62.8 p.c. and in employees 46.4 p.c. The wood and paper group and those of non-ferrous metals and animal products suffered severely but not by any means as much as in the first group named. The records of central electric stations, the chemical and textile industries were particularly good; the first named showed the least reduction of all groups in gross value of production, but the chemicals showed the smallest reductions in both employees and salaries and wages paid. The miscellaneous group of industries showed a reduction of 72.7 p.c. in gross value of products, 50.8 p.c. in the number of employees and 64.5 p.c. in the salaries and wages paid. This group was not as severely affected as these figures would indicate as the bridge-building industry was transferred from this group to that of iron and its products. The iron and its products group, therefore, suffered more severely than the figures in the foregoing table indicate.

From the low year of the depression, so far as the manufacturing industries are concerned, *viz.*, 1933, while there has been marked improvement in all groups, non-ferrous metals and iron and its products have shown the greatest improvement in gross value of products and quite naturally central electric stations have shown the least. In salaries and wages paid, iron and its products is also the leader, but in employees engaged the miscellaneous group takes first place. It is of interest to note that in the section of the above Table, which compares 1934 data with those for 1929 as regards employees engaged, two industrial groups—chemicals and textiles—actually show increases, although that for textiles is very small. The miscellaneous group of industries and iron and its products have made least headway towards the 1929 level, although, as previously stated, the latter group had made a very marked advance from the low point of the depression.

Subsection 1.—Manufactures Grouped by Chief Component Materials.

A classification based on the chief component materials in the various products of each manufacturing establishment was applied for the first time in the compilation of the returns for 1920. The number of groups was reduced from fifteen to nine to correspond with the external trade classification and the classes of industry were somewhat altered to conform with recent industrial developments. Subsequently, the central electric stations industry was taken out of the miscellaneous class and now forms a class by itself.

Vegetable Products.—Though first in value of gross production in 1934, this group ranked only fourth in the number of people employed and in salaries and wages paid. With the exception of rubber, coffee and spices, sugar factories, and rice mills, the industries of this group are dependent mainly upon domestic farm products for their raw materials. They produced in 1934, 19.0 p.c. of the total manufacturing production and employed 14.2 p.c. of all persons engaged in manufacturing industries.

The flour-milling industry is the leading industry of the group from the point of view of gross value of products. This industry, which has existed to meet the domestic needs for more than 300 years, is one of the Dominion's oldest manufactures, but it is only within recent times that its progress has become spectacular. The War and the demand it created gave a great impetus to this trade. The 435 flour mills, many of them of the most modern type and highest efficiency, have a capacity far in excess of Canada's demands. During 1928, productive capacity reached about 121,000 barrels per day. Since then, the industry has been adversely affected by the difficulties which beset the Canadian grain trade and the great decline in the prices of grains. Exports of wheat flour declined from 10,737,266 barrels in 1928 to 5,053,732 barrels in 1934, but in spite of the decrease Canada continues to be one of the leading exporters of wheat flour.

With the increase in urban population, as well as the improvement in transportation, which increasingly enables rural communities to purchase factory-made bread, the bread industry made rapid strides during the past decade. During this period there was an increase of 37 p.c. in the capital invested and 56 p.c. in the number of employees. The production of bread and other bakery products required the labour of about 19,000 people in 1934. This industry had an output valued at \$57,295,522, a capital investment of \$44,196,221, while the employees numbered 18,562 and the salaries and wages paid amounted to \$15,794,117. This industry was thus the third largest employer of labour among the manufacturing industries of the country. In salaries and wages paid, however, it ranked only fifth.

The rubber industry is another industry of importance in the industrial life of the country. Canada now ranks among the leading countries of the world as a manufacturer of rubber goods. In 1930 she was the fifth largest importer of raw rubber in the world, ranking after the United States, the United Kingdom, France and Germany. In 1934, however, Japan and Russia were also ahead of Canada in the imports of raw rubber. Existing plants in 1934 numbered 51 and represented a capital investment of \$66,047,471, including equipment and working capital. These plants furnished employment to 11,079 persons who received \$10,858,637 in salaries and wages and produced goods valued at \$55,230,381. They also used raw materials to the value of \$18,439,498, mainly imported from tropical countries. The rubber industry also forms an adjunct of considerable importance to the cotton yarn and cloth industry, which supplies tire fabrics. The industry, besides

supplying the domestic market, contributes materially to the export trade of Canada. The products find their way to the remotest parts of the world, as a glance at the list of countries to which rubber tires are shipped would show. Spain, Peru, Dutch East Indies, British East Africa and China are but a few of the far-flung countries into which Canadian tires find their way.

Establishments engaged in the production of tobacco, cigars and cigarettes numbered 127 in 1934. The capital invested in the industry amounted to \$51,546,009, employees numbered 8,150 with salary and wage payments of \$6,954,646, while the products made were valued at \$37,489,055 exclusive of excise taxes. If these taxes were added, the output of the tobacco industry would be worth over \$66,000,000. This industry thus contributes about \$29,000,000 to the Dominion treasury in excise taxes alone. Canada is self-sufficient as regards its requirements of manufactured tobacco products. Practically the whole of the Canadian production goes to supply domestic demand, imports and exports of manufactured tobacco products being extremely small. The tobacco industry also contributes materially to the agricultural economy of Canada. Of the materials used, amounting to \$18,629,615, \$14,164,681 was for raw leaf tobacco. All told, the tobacco industry consumed 36,100,480 lbs. of raw leaf tobacco of which 26,927,337 lbs. was of domestic growth.

The fruit and vegetable preparations industry, which includes canned fruits, canned vegetables, pickles, vinegar, jams, etc., comprises another large division of this group. In 1934, this industry reported an output valued at \$35,330,577, a capital investment of \$39,266,310 and an employment of 7,524 persons, who received \$4,704,518 in salaries and wages. The development of the canned foods trade has effected great changes in the relation of foods to seasons. Fruits and vegetables of many kinds are to be had at all times of the year with much of their original freshness and flavour. The producers in the country are provided with an enormously extended market and the consumers in both city and country with cheap and wholesome food in great variety. The industry has made rapid strides in the past few years. During the period of 1923-34 the volume of fruit and vegetable preparations produced increased 137 p.c. This growth is indeed remarkable, as it represents a corresponding increase in the domestic demand for these products, the foreign trade being relatively small as compared with the domestic production. Imports in 1934 were valued at \$2,414,234 and exports at \$4,118,482. According to these figures, the industry besides supplying the domestic requirements also has a small exportable surplus.

Other important industries of this group are: biscuits and confectionery, brewing, distilling and sugar refining.

Animal Products.—Production in this group is determined, in large measure, by the demand at home and abroad for Canadian butter, cheese, canned fish, fresh or frozen meats, bacon and hams, condensed and evaporated milk, etc.

The leading industry of the group is that of slaughtering and meat packing, with a value of production in 1934 of \$122,112,406. Next comes butter and cheese, with a value of \$92,813,271. These two industries represented about two-thirds of the production of the entire group.

The butter and cheese industry, which manufactures a product of farm animals, has been for many years of leading importance in Canada. Originating in the agricultural districts of the Maritime Provinces, the Eastern Townships of Quebec and the southern counties of Ontario, it is now developing rapidly in the Prairie Provinces and in the more recent northern settlements of Quebec and Ontario.

For an industry so large in the aggregate, it is unique in having shown very little tendency toward consolidation in large units, the gross production of \$92,813,271 coming from no fewer than 2,632 plants, mostly small and scattered at convenient points throughout the farming communities.

The leather industries have long been established on a considerable scale, mainly, of course, because the large number of cattle raised and slaughtered provide a ready supply of hides. There are large tanneries in the eastern provinces and no fewer than 211 boot and shoe factories were in operation in 1934, chiefly in Quebec and Ontario, representing a total capital of about \$23,000,000 with an annual output of over \$32,000,000 and employing 14,868 men and women. The canning and preserving of fish also calls for reference. Concentrated naturally upon the Pacific and Atlantic coasts, 665 establishments were engaged in 1934 in canning, curing and packing of various kinds of fish that were valued at \$24,000,000.

Textile Products.—The output of textiles in 1934 was valued at \$342,054,536. The establishments classified in this group, which numbered 2,234, represent a capital investment of \$328,362,816, they furnished employment to 115,695 persons who were paid \$90,796,601 in salaries and wages and also spent \$174,532,597 for materials.

In net production, i.e., in value added by manufacture, which is a truer criterion than gross production of the place of the group in the industrial life of the country, the textile group was third in 1934 among the ten major groups shown in the summary statistics of Table 3, p. 10, being exceeded only by the wood and vegetable products groups. Textiles accounted for over 13 p.c. of the net manufacturing production of Canada. As an indication of the contribution which the textile group made in 1934 to the employment in the Dominion, the group stood second in the number of employees and in salaries and wages paid, with over 21 p.c. of the total employees in manufacturing and 17 p.c. of the total salaries and wages paid. Again, this wide group of textiles may be regarded as two distinct divisions: (1) the spinning, weaving and knitting trades, and (2) the finishing trades. If so regarded, the first division assumes the proportions of a very large industrial group with a gross production of \$180,188,058, while the second division, which usually is the larger, had a production of only \$161,866,478 in 1934.

From the standpoint of gross value of production, cotton yarn and cloth in 1934 was again the leading industry in the textile group. The output was valued at \$61,306,490 while the persons employed numbered 18,106 and the salaries and wages paid totalled \$13,768,278. This industry made substantial gains in 1934. The value of production increased 20 p.c., the number of employees 12 p.c. and the volume of production 10 p.c.

The hosiery and knitted goods industry is also worthy of special mention. From the standpoint of employment, it was the second industry in 1934, employing 17,978 persons and paying \$13,565,616 in salaries and wages. Despite the depressed condition of the textile industry generally, the volume and value of production of this branch of the industry held up remarkably well, the value of production being only 25.6 p.c. lower than the peak year of 1929 while the volume was actually 1.8 p.c. higher. Employment, however, has declined by 1,070 or 5.4 p.c. since 1929.

The outstanding feature of the textile situation in Canada has been the great expansion of the silk industry during the past few years, at a time when practically all other industries were experiencing a diminishing demand for their products. Compared with 1926, this industry increased its output by \$17,371,906 or 204 p.c. and also furnished employment to 6,797 more people; this represented an increase in employment of 280 p.c.

Wood and Paper.—The forests of Canada have always been an important factor in the building up and maintaining of manufacturing industries. Since early pioneering times the sawmill has formed one of the first steps from the pioneering community to the industrial centre. There is to-day practically no form of industrial activity in which wood is not used, directly as a raw material or indirectly as, for example, in the form of paper. The primary operations in the woods provide work during part of the year for at least 200,000 individuals, largely during the season when employment in manufacturing industries is at its minimum. This has a valuable steadying effect on general labour conditions throughout the year.

The manufacture of lumber, which depends to a large extent on building and construction operations and the export markets, has shown wide fluctuations. The peak, reached in 1911 with a total cut of 4,918,000 M ft. b.m., has never been equalled. It was followed by a general decline to the 2,869,000 M reported for 1921. A second peak was reached in 1929 of 4,742,000 M. Production then decreased annually to a minimum in 1932 amounting to 1,809,884 M. There were increases in 1933 and 1934.

The manufacturing industries which draw their principal raw material from the saw-mills reached their maximum production in 1929 with a gross value of \$146,950,000 and then declined to \$52,289,642 in 1933 but increased to \$57,860,721 in 1934.

The pulp and paper industry is a comparatively recent development in Canadian industry. In 1881 there were only 36 paper and 5 pulp mills in operation in Canada. By 1923 the industry had displaced flour milling as Canada's most important manufacturing industry and in spite of recent vicissitudes has held that position ever since. The peak of production was reached in 1929 when 4,021,000 tons of wood pulp and 3,197,000 tons of paper were produced. In that year there were 108 pulp and paper mills in operation, consuming 5,278,000 cords of pulpwood and using hydro-electric power valued at more than \$13,000,000. During 1926, Canada, for the first time, produced more newsprint paper than the United States and became the world's chief producer and exporter of that commodity, maintaining that position ever since in spite of decreases in production. During 1934 this industry produced 3,636,335 tons of pulp and 3,069,516 tons of paper. Of this paper, 2,604,973 tons was newsprint, more than two and a half times the production of the United States.

The manufacturing industries which draw their principal raw material from the pulp and paper mills reached their maximum production of \$187,882,000 in 1929. The value in 1933 for these industries was \$127,011,886 and in 1934, \$139,108,400.

Iron and Its Products.—The manufacture of iron and steel and their products is one of Canada's basic industries. Iron ore is not now produced in Canada, as the known deposits though extensive, are not of sufficiently high grade to permit economic recovery under present conditions. Yet there has been built up a primary steel industry of considerable importance, and the secondary or fabricating industries have been expanding steadily to meet the country's increasing requirements.

There are now four concerns which make pig iron in Canada, one being in Nova Scotia and three in Ontario. The former uses Nova Scotia coal and iron ore from the great Wabana deposits which it controls, on Bell island, Newfoundland, while the Ontario works are dependent on foreign ore and coal, which are brought from the United States. These companies have 11 blast furnaces with a rated capacity of 1.5 million tons of pig iron per annum, but the highest tonnage yet attained was 1,080,160 long tons in 1929. Open hearth steel furnaces and rolling-mills are also operated by these companies, which produce steel ingots, blooms and billets, bars

rods, rails, structural shapes, plates, sheets, rail fastenings, etc. Including electric steel furnaces, there were 27 steel plants in operation in 1934, which, with the 17 rolling mills, 4 pig iron plants and 3 ferro-alloy plants, represented a capital of \$90,079,004 and employed 7,400 hands to produce primary products worth \$29,101,463. This output value was \$10.6 millions above the 1933 total and \$12.9 millions above the 1932 figures, which was the lowest recorded since the Bureau commenced to collect annual statistics in 1918. The value for 1933 was \$18,492,549, for 1932, \$16,197,526, for 1931, \$36,911,245 and for 1930, \$52,588,935.

Automobile manufacturing was the most important of the secondary iron and steel industries in 1934, and the production value of \$76,133,448 was 78 p.c. over the 1933 figure and the highest reported for this industry since 1930. Sixteen companies manufactured or assembled motor cars in Canada in 1934 and 21 separate factories were in operation. The capacity of these plants was reported at 234,000 automobiles and 33,500 trucks annually, from which it is calculated that the industry operated at about 44 p.c. of capacity during 1934 when 116,852 cars and trucks were produced. In 1929, the year of highest production, the plants operated at 66 p.c. of their estimated capacity. Production in 1929 totalled 262,625 cars at \$163,497,675; in 1930 the output was 153,372 cars at \$91,766,806; in 1931, 82,559 cars at \$52,964,936, in 1932, 60,789 cars at \$38,560,796, and in 1933 65,852 cars at \$38,630,463. Exports of automobiles and parts declined from \$47,005,671 in 1929 to \$20,386,354 in 1930 and to \$7,091,994 in 1932; there was an increase of 39 p.c. in 1933 to \$9,843,361 and a gain in 1934 over 1933 of 99 p.c. to \$19,619,016.

There are also numerous works in Canada for the manufacture of machinery, agricultural implements, railway rolling stock, automobile parts, boilers and engines, castings and forgings, sheet metal products, hardware and tools, wire and wire goods, etc., and the variety of products made in these establishments is increasing yearly.

The iron and steel industries which are engaged almost entirely in the production of capital goods have been severely affected by the depressed economic conditions of the past few years. In 1934, the 1,255 operating factories reported production valued at \$308,303,352 compared with \$211,961,908 in 1933, \$225,832,185 in 1932, \$374,725,068 in 1931, \$569,745,973 in 1930 and \$738,012,980 in 1929.

Non-Ferrous Metals.—Production from this group of manufactures, which includes non-ferrous smelters and refineries, electrical equipment factories, brass foundries, etc., advanced 44 p.c. in 1934 to a value of \$237,233,670 compared with \$164,765,604 in 1933, \$152,111,317 in 1932 and \$250,458,721 in 1930. Capital employed in the 488 operating factories in 1934 was reported at \$263,488,479 and the number of employees was given at 30,177.

The smelting and refining of non-ferrous metals was the leading industry of the group in 1934. Fourteen plants were operated in that year by 11 different companies and products were valued at \$149,936,239. Capital employed amounted to \$146,047,422 and the average number of workers was 8,298. Products included aluminium, nickel, cobalt, copper, zinc, lead, silver, gold, bismuth, cadmium, selenium, radium and other refinery products. Output value in 1934 was the best on record and 49 p.c. higher than in 1933.

The electrical apparatus industry showed a considerable increase in 1934, due chiefly to better demand for heavy electrical machinery, wire and cable, and radios. Output in 1934 totalled \$50,234,811 compared with \$37,012,509 in 1933. Radio production alone advanced to 188,710 sets at \$8,196,248 in 1934 from 112,273 sets at \$4,401,313 in 1933 and 121,468 sets at \$6,808,877 in 1932.

Jewellery, silverware, white metal alloys, aluminium utensils, and brass and copper goods were the other important products made in factories in this group.

Non-Metallic Minerals.—This group of manufactures includes such leading industries as coke making, oil refining and the manufacture of glass, artificial abrasives, bricks, cement, etc. Final figures for 1934 show that the output for this group amounted in value to \$166,782,852, which is 18 p.c. above the corresponding total for 1933 but 31 p.c. below 1929.

The petroleum-refining industry is by far the largest of the group. Canada produces some crude oil, but the bulk of the oil treated in Canadian refineries is imported from the United States or South America. In 1934 there were 42 refineries operating at advantageous points across the Dominion. These units used 1,109,510,343 gallons of crude oil in that year and produced refined commodities worth \$75,691,078. About 4,876 people were given employment and the capital investment was \$66,450,496.

Forty-one coke and gas plants representing an investment of \$99 millions made products worth \$38,272,020. Glass, cement, lime, salt, brick, dressed stone, cement products and asbestos goods were also made in this group of industries.

Chemicals and Allied Products.—That chemical manufactures occupy an important place in Canadian industry is apparent from the fact that in 1934 a total of 17,130 persons were employed in the 736 plants which made chemicals and allied products. These plants produce the greater part of the chemicals that are consumed in this country. In 1934 the apparent consumption of chemicals and allied products amounted in value to \$121,851,858, of which \$108,052,039 or 88·7 p.c. was of domestic manufacture.

Output of chemicals and allied products was valued at \$108,052,039 at factory prices in 1934. This total was about 16·4 p.c. above the 1933 value of \$92,820,761 and 13·4 p.c. above the total of \$95,279,376 in 1932. Paints, soaps, medicinals, acids and chemical salts are the most important products. Output from the 16 plants in the heavy chemical industry, which represents a capital of \$45,033,355 amounted to \$16,494,139 in 1934 and in 1929 was up to \$28,021,972. Acetic acid, calcium, cyanamide, sodium cyanide, caustic soda, soda ash, sulphuric acid, phosphorus, calcium carbide and nitre cake are among the leading products. The export trade in these commodities amounted to about \$9,000,000 in 1934.

The medicinal and pharmaceutical preparations industry employed 3,506 workers in 1934 and paid \$4,306,409 in salaries and wages. Production in that year was valued at \$19,484,094. The paints industry was next in importance, there being 79 factories in this line of manufacture, with output worth \$18,618,371. The production of soaps and cleaning preparations was worth \$13,614,464 and 1,818 people worked in the 101 factories in this industry. Compressed gases, fertilizers, coal-tar products, wood-distillation products, inks, adhesives, polishes, and a multitude of other such products are also made in the chemical plants.

Many chemical products are also made in industries which for statistical purposes are not included in the chemicals and allied products group. For instance, pulp and paper, distilled liquors, brewery products and artificial abrasives are classified in other groups.

Central Electric Stations.—The generation of power by central electric stations, which is of such vital importance to the development of manufactures in Canada, has increased very rapidly since the Great War. The output in 1919, the first year for which statistics have been compiled, amounted to 5·5 billion kilowatt hours and by 1930 had grown to 18 billion kilowatt hours. In spite of a temporary set-back occasioned by the general contraction in industrial production, the output

for 1934 reached a new high record of 21.2 billion kilowatt hours. The pulp and paper industry is the largest user of electric energy. During 1934, this industry purchased 8.4 billion kilowatt hours from central electric stations, or about 40 p.c. of the total output. Other large users of electric energy are: the primary iron and steel industry, non-ferrous metal smelting and acids, alkalies and salts establishments. Approximately 8 p.c. of the total output of central electric stations in 1934 was used for residence lighting and other domestic services, while 5.9 p.c. was exported to the United States.

7.—Statistics of the Numbers, Capital, Employees, Salaries and Wages, Power, Fuel.

Province, Group or Kind of Industry.	Establishments.	Capital Employed.	Salaried Employees.		
			Male.	Female.	Salaries.
	No.	\$	No.	No.	\$
Totals, by Provinces	25,663	4,703,917,730	77,721	22,009	160,986,876
1 Prince Edward Island	273	3,517,088	226	45	207,336
2 Nova Scotia	1,386	119,064,747	1,842	469	2,934,591
3 New Brunswick	847	123,476,314	1,720	416	3,145,342
4 Quebec	8,168	1,078,486,302	23,214	5,830	47,169,412
5 Ontario	10,322	2,063,721,375	38,239	12,479	84,805,090
6 Manitoba	1,077	183,937,703	3,534	912	8,111,494
7 Saskatchewan	845	65,975,159	1,726	305	2,562,585
8 Alberta	968	98,418,699	2,272	455	3,851,201
9 British Columbia and Yukon	1,777	367,320,343	4,939	1,098	9,499,825
Totals, by Groups	25,663	4,703,917,730	77,721	22,009	160,986,876
1 Vegetable products	5,656	506,714,365	12,292	3,133	23,946,918
2 Animal products	4,504	210,260,801	8,676	1,951	14,345,616
3 Textiles and textile products	2,234	328,362,810	8,354	3,937	20,271,456
4 Wood and paper products	8,075	884,503,673	19,227	4,685	36,934,544
5 Iron and its products	1,255	547,892,157	9,817	2,522	22,011,084
6 Non-ferrous metal products	488	203,488,479	4,767	1,535	11,302,042
7 Non-metallic mineral products	1,164	307,338,479	3,469	804	7,063,052
8 Chemicals and chemical products	736	156,788,418	4,329	1,500	10,578,367
9 Miscellaneous industries	508	67,716,376	1,866	375	4,098,584
10 Central electric stations	1,043	1,430,852,166	4,924	1,364	10,434,613
1. Vegetable Products	5,656	506,714,365	12,292	3,133	23,946,918
1 Biscuits, confectionery, cocoa, etc.	237	30,476,440	1,680	471	3,630,738
2 Bread and other bakery products	3,173	44,196,221	2,211	555	2,669,156
3 Breweries	73	58,747,130	816	150	2,114,464
4 Coffee, tea and spices	71	13,837,780	651	175	1,426,800
5 Distilleries	17	47,980,630	254	68	810,988
6 Flour and feed mills	1,310	59,293,426	1,693	175	2,044,581
7 Foods, breakfast	17	5,213,811	65	28	187,092
8 Foods, stock and poultry	46	4,360,198	149	49	310,274
9 Foods, miscellaneous	103	9,613,643	482	185	1,084,872
10 Fruit and vegetable preparations	287	39,266,310	647	202	1,270,970
11 Ice cream cones	8	571,806	8	5	18,630
12 Lined oil and oil cake	10	2,304,498	35	8	104,620
13 Macaroni, vermicelli, etc.	15	2,066,860	59	14	103,880
14 Malt and malt products	13	9,233,653	67	9	163,668
15 Rice mills	7	868,034	13	3	40,580
16 Rubber goods, including footwear	51	66,047,471	1,267	394	2,884,461
17 Starch and glucose	6	5,901,477	54	21	132,607
18 Sugar refineries	8	33,151,249	297	62	985,447
19 Tobacco, cigars and cigarettes	127	51,546,009	1,595	519	3,424,326
20 Tobacco processing and packing	22	3,836,369	121	9	248,286
21 Wine	55	8,109,344	128	31	290,978
2.—Animal Products	4,504	210,260,801	8,676	1,951	14,345,616
1 Animal oils and fats	4	98,366	3	1	6,463
2 Belting, leather	14	757,543	42	12	96,109
3 Boot and shoe findings, leather	19	1,862,667	58	10	107,941
4 Boots and shoes, leather	211	22,700,588	1,017	399	2,306,990
5 Butter and cheese	2,632	61,513,373	3,391	715	3,933,099
6 Condensed milk	21	4,784,423	93	30	201,028
7 Dairy products, other	28	2,204,434	63	25	131,033
8 Fish curing and packing	665	17,372,799	481	67	676,124
9 Fur dressing and dyeing	14	943,365	75	10	178,948
10 Fur goods	320	11,088,213	492	143	962,760
11 Gloves and mittens, leather	46	2,181,362	145	48	236,549

The growth of central electric stations is also strikingly illustrated in the increase since 1919 of 247 p.c. in the capital investment, which in 1934 totalled \$1,430,852,166 or 30 p.c. of the total. This industry is also unique in that there are no expenditures for raw material, the main items of expenditure are, therefore, for the upkeep of plant and payment of interest charges on the huge capital investment.

Materials and Values of Products of Canadian Manufacturing Industries, 1934.

Employees on Wages.			Power Installed.	Cost of Fuel and Electricity.	Cost of Materials.	Value of Products.		
Male.	Female.	Wages.				Net, ¹	Gross.	
No.	No.	\$				\$	\$	
338,953	106,479	372,607,759	8,526,375	79,838,002	1,230,977,053	1,222,943,899	2,533,758,854	1
575	247	392,880	8,920	100,125	1,921,421	1,281,040	3,302,586	1
10,492	2,238	9,466,734	264,300	3,940,541	28,497,123	28,406,917	60,844,581	2
9,477	1,900	8,222,283	227,916	3,062,672	24,637,918	26,357,257	54,057,847	3
106,951	45,551	114,028,496	3,728,879	28,292,614	357,751,720	380,453,666	766,498,000	4
160,172	48,731	186,029,012	2,606,595	33,536,031	610,485,807	611,303,868	1,255,325,701	5
14,076	3,201	15,209,496	488,260	2,153,866	54,719,469	48,484,665	105,358,000	6
3,611	344	3,531,398	148,844	1,734,216	24,289,080	16,238,427	42,261,723	7
7,744	1,094	7,924,544	179,270	1,430,656	40,381,587	27,576,875	69,389,118	8
25,855	3,173	27,802,916	873,382	5,587,281	88,292,928	82,841,189	176,721,398	9
338,953	106,479	372,607,759	11,396,288	79,838,002	1,230,977,053	1,222,943,899	2,533,758,854	
42,780	10,250	47,442,458	332,052	8,923,903	260,491,348	210,899,307	480,314,618	1
36,518	10,051	35,845,752	117,843	4,442,902	226,202,405	94,998,316	325,703,683	2
46,128	57,276	70,525,145	219,938	6,798,445	174,532,597	160,723,494	342,054,536	3
83,889	8,890	80,426,425	2,115,205	25,505,806	135,380,258	223,240,884	404,435,948	4
66,840	2,603	66,913,084	637,718	10,878,042	154,055,806	143,369,504	308,303,352	5
20,462	3,413	23,795,944	405,248	5,364,840	119,713,328	112,155,562	237,323,670	6
17,187	499	17,841,902	231,586	10,917,334	84,508,166	71,357,352	166,782,552	7
8,760	2,641	10,341,373	115,082	3,837,233	41,998,776	62,216,030	108,052,039	8
7,703	1,947	8,080,798	70,024	867,817	14,025,309	21,521,517	36,414,643	9
8,686	-	11,394,878	7,061,592	2,001,620	-	122,461,993	124,463,613	10
42,780	19,259	47,412,458	332,052	8,923,903	260,491,348	210,899,307	480,314,618	1
3,635	4,518	5,352,196	22,299	711,769	18,257,191	21,107,957	40,076,917	2
13,870	1,926	13,124,961	15,769	1,952,633	26,681,559	28,061,330	57,295,522	3
3,280	40	3,477,925	22,987	676,621	11,612,712	24,065,865	36,355,198	4
653	536	1,002,826	2,988	94,839	16,598,466	5,973,708	22,607,013	5
860	461	1,001,957	9,417	313,876	3,185,959	8,730,279	12,230,113	6
3,608	157	3,090,731	123,442	1,308,986	74,048,243	20,388,954	95,746,183	7
330	177	511,909	4,820	177,718	2,908,531	5,706,158	8,792,407	8
294	22	271,240	3,820	60,324	3,023,716	1,136,097	4,229,134	9
600	442	814,052	5,490	167,130	6,201,119	6,974,884	13,343,133	10
3,130	3,545	3,433,548	18,751	567,095	20,466,907	14,296,575	35,330,577	11
40	14	35,503	67	14,788	90,422	140,550	246,060	12
157	-	134,791	2,272	52,591	1,996,602	594,681	2,644,074	13
132	92	123,231	1,640	43,672	803,143	501,934	1,348,749	14
224	-	325,135	5,541	260,626	4,031,841	2,305,296	6,597,763	15
62	-	69,284	412	6,471	928,175	173,652	1,108,268	16
6,661	2,757	7,974,176	63,881	1,182,427	18,439,498	35,598,456	55,230,581	17
419	14	4,28,097	4,330	175,837	2,521,140	1,757,796	4,454,873	18
1,635	89	1,934,215	22,120	903,070	24,099,994	11,004,144	36,000,025	19
2,140	3,896	3,530,320	2,716	146,439	18,629,615	18,712,971	37,481,945	20
673	555	603,669	633	47,655	4,154,898	1,362,278	5,504,831	21
377	21	322,692	1,147	49,299	1,811,418	1,705,442	3,566,159	22
36,518	19,051	35,845,752	117,843	4,442,902	226,262,465	94,998,316	325,703,683	
17	-	15,127	107	6,127	33,412	40,761	89,500	1
85	1	27,251	350	10,747	381,908	290,842	683,497	2
296	53	277,582	2,025	34,475	512,179	622,800	1,189,454	3
8,352	5,106	8,264,106	5,992	274,782	17,021,115	15,009,740	32,305,637	4
9,994	289	9,207,745	39,748	1,615,597	63,763,974	27,433,700	92,813,271	5
496	31	543,884	3,420	305,344	4,617,298	2,478,619	7,401,261	6
182	14	211,290	1,593	42,365	557,458	946,924	1,546,747	7
3,145	970	2,193,995	11,462	323,575	15,567,160	8,166,192	24,456,927	8
559	119	502,862	883	27,510	308,675	1,163,604	1,499,789	9
1,232	1,021	2,000,870	494	64,417	7,249,472	4,042,833	12,656,722	10
635	932	895,935	317	20,737	1,940,380	1,673,737	3,634,554	11

¹Exclusive of purchased power.

²Including purchased power.

³See footnote to Table 1, p. 7.

7.—Statistics of the Numbers, Capital, Employees, Salaries and Wages, Power, Fuel,

	Province, Group or Kind of Industry.	Establish- ments.	Capital Employed. \$	Salaried Employees.		
				Male.	Female.	Salaries.
		No.	\$	No.	No.	\$
2.—Animal Products—concluded.						
12	Hair goods, animal and human.....	5	73,726	10	3	13,488
13	Leather tanneries.....	90	21,352,180	285	67	815,056
14	Miscellaneous leather goods.....	224	5,396,028	396	99	539,262
15	Sausage and sausage casings.....	64	1,157,410	68	17	112,998
16	Slaughtering and meat packing.....	147	56,765,624	2,057	308	4,027,768
3.—Textiles and Textile Products.						
		2,234	328,362,816	8,354	3,937	20,271,456
1	Awnings, tents and sails.....	62	1,554,337	108	30	168,427
2	Bags, cotton and hute.....	24	5,353,146	103	34	314,386
3	Batting and wadding.....	5	1,244,565	12	3	46,962
4	Carpets, mats and rugs.....	27	6,924,227	159	44	354,356
5	Clothing, factory, men's.....	163	15,221,828	1,118	388	2,088,247
6	Clothing, factory, women's.....	577	19,389,407	1,486	812	3,575,926
7	Clothing contractors, men's and women's.....	105	537,236	175	28	205,678
8	Cordage, rope and twine.....	11	10,416,346	81	28	255,014
9	Corsets.....	23	3,550,473	172	197	571,615
10	Cotton and wool waste.....	17	943,816	36	21	86,387
11	Cotton textiles, n.e.s.....	41	2,091,590	89	40	174,945
12	Cotton thread.....	5	2,901,875	62	21	174,544
13	Cotton yarn and cloth.....	36	75,889,237	455	145	1,192,829
14	Dyeing and finishing of textiles.....	24	5,397,621	113	35	306,311
15	Dyeing, bleaching and laundry work.....	411	23,716,700	834	513	1,792,137
16	Flax, dressed.....	7	86,813	1	-	1,731
17	Furnishing goods, men's.....	172	14,620,159	609	269	1,406,791
18	Gloves and mittens, fabric.....	8	626,510	12	7	35,202
19	Hats and caps.....	168	5,812,476	415	178	910,388
20	Hosiery and knitted goods.....	167	49,446,669	877	591	2,636,187
21	Miscellaneous textiles, n.e.s.....	10	11,637,046	245	43	800,196
22	Oiled and waterproof clothing.....	14	682,674	18	9	50,082
23	Silk and artificial silk.....	29	34,192,892	619	293	1,559,068
24	Woollen cloth.....	66	20,483,554	350	122	951,323
25	Woollen goods, n.e.s.....	24	6,957,683	80	26	271,934
26	Woollen yarn.....	34	8,459,065	115	57	298,817
27	All other industries.....	2	223,971	10	3	41,973
4.—Wood and Paper Products.						
		8,075	884,503,673	19,227	4,685	36,934,544
1	Bookbinders' and poultrymen's supplies.....	6	152,046	10	3	11,992
2	Blue printing.....	18	173,458	22	7	41,433
3	Boat building.....	123	1,961,228	167	10	156,427
4	Boxes and bags, paper.....	143	20,724,597	667	258	1,867,148
5	Boxes, wooden.....	136	7,046,619	299	43	502,860
6	Carrriages, wagons and sleighs.....	215	1,891,772	250	7	168,966
7	Charcoal.....	73	165,827	76	-	11,406
8	Coffins and caskets.....	44	3,729,646	127	27	244,059
9	Copperage.....	85	1,962,940	102	8	124,442
10	Engraving, stereotyping and electrotyping.....	92	9,527,368	447	144	1,165,679
11	Excelsior.....	11	296,678	19	5	17,006
12	Flooring, hard wood.....	23	3,897,687	106	24	200,061
13	Furniture.....	401	27,160,732	1,073	230	1,825,755
14	Fast, trees and shoe findings.....	13	1,140,197	38	17	155,660
15	Lithographing.....	45	11,980,570	358	175	1,297,562
16	Miscellaneous paper products.....	103	13,425,340	442	194	1,176,033
17	Miscellaneous wooden products.....	93	4,564,800	146	37	266,874
18	Planing mills, sash and door factories.....	603	29,940,816	1,118	158	1,455,381
19	Printing and bookbinding.....	1,167	41,005,455	2,477	685	4,809,537
20	Printing and publishing.....	790	56,316,901	5,733	1,638	10,962,226
21	Pulp and paper.....	95	554,973,891	2,684	490	7,148,753
22	Roofing paper, wall-board, etc.....	14	4,548,370	231	57	445,595
23	Sawmills.....	3,572	71,649,189	2,251	165	1,883,809
24	Sporting goods.....	37	1,458,275	77	34	124,812
25	Trade composition.....	32	954,363	57	13	132,228
26	Woodenware.....	24	1,324,423	52	11	165,303
27	Wood turning.....	37	1,632,701	73	12	101,804
28	All other industries.....	20	10,983,697	125	33	474,223
5.—Iron and Its Products.						
		1,255	347,892,157	9,817	2,522	22,011,084
1	Agricultural implements.....	35	55,742,096	451	127	1,090,197
2	Automobiles.....	21	34,520,938	1,346	427	3,532,018
3	Automobile supplies.....	80	19,333,687	470	194	1,155,331
4	Bicycles and skates.....	4	2,330,478	0	6	20,736
5	Boilers, tanks and engines.....	51	14,392,122	379	71	783,626
6	Bridge and structural steel work.....	18	19,947,521	463	63	992,681
7	Castings and forgings.....	337	71,187,589	1,513	425	3,293,922
8	Hardware and tools.....	135	23,603,246	461	180	1,165,442
9	Iron and steel products, n.e.s.....	93	5,968,530	291	50	461,892
10	Machinery.....	198	53,311,390	1,481	434	2,974,472

Materials and Values of Products of Canadian Manufacturing Industries, 1934.—con.

Employees on Wages.			Power Installed.	Cost of Fuel and Electricity.	Cost of Materials.	Value of Products.	
Male.	Female.	Wages.				Net.	Gross.
No.	No.	\$	h.p.	\$	\$	\$	\$
12	3	8,922	75	1,895	28,073	25,484	55,452
3,124	104	2,868,245	15,335	467,575	11,002,236	6,439,263	17,909,074
1,203	537	1,215,750	1,476	57,920	2,753,040	2,853,777	5,664,737
270	38	231,615	510	33,390	1,408,723	662,242	2,104,355
6,915	839	7,580,570	34,056	1,156,446	98,417,162	22,538,798	122,112,406
46,128	57,276	70,535,145	219,938	6,798,445	174,537,597	160,723,491	342,054,536
178	150	230,381	238	12,963	871,533	735,667	1,620,163
303	482	641,100	1,146	40,411	6,643,990	1,938,243	8,622,644
92	23	102,093	627	14,459	376,701	338,074	729,294
578	326	5,800,668	2,116	80,405	1,295,281	1,773,512	3,149,198
3,753	3,690	10,015,205	1,572	126,120	19,458,231	14,147,389	33,731,740
4,076	10,626	1,006,738	3,059	210,093	30,473,677	20,849,321	51,533,091
761	1,270	726,639	7,755	31,726	91,831	1,408,375	1,531,932
597	246	703,230	3,715	104,367	2,532,887	2,181,332	4,818,586
139	1,090	461,305	590	20,008	2,062,352	2,379,049	4,461,407
137	88	145,381	1,131	30,001	1,032,216	592,300	1,654,519
288	481	447,456	906	26,064	1,602,028	1,148,179	2,776,271
148	382	461,305	1,925	61,756	1,545,885	2,201,767	3,809,408
11,257	6,249	12,575,449	103,114	1,979,009	33,132,480	20,195,001	61,306,490
650	142	825,410	3,931	231,637	1,504,033	2,042,982	3,778,652
3,669	5,360	6,121,952	15,024	959,016	1,463,432	13,180,164	15,602,612
44	-	11,756	294	2,063	53,770	34,616	90,443
1,094	6,701	3,942,017	2,005	127,636	12,589,747	8,724,765	21,712,148
55	161	114,694	353	6,758	287,544	244,462	538,764
1,517	1,847	2,421,491	1,719	114,575	5,188,631	5,542,553	10,845,759
5,823	10,687	10,929,429	18,388	749,201	21,831,064	22,376,782	44,957,047
812	161	823,186	7,167	191,501	3,234,369	3,516,085	6,841,955
84	125	145,381	170	10,187	514,674	307,370	832,237
4,907	3,401	5,976,904	17,832	831,896	9,553,932	15,493,231	25,879,059
3,256	2,251	3,778,964	14,655	547,431	9,877,162	7,343,860	17,768,453
757	223	761,564	8,540	111,638	2,220,857	2,748,726	5,081,221
1,116	1,176	1,401,781	5,426	173,018	4,671,476	3,029,220	7,873,714
37	38	50,257	120	4,506	152,754	250,469	407,729
83,889	8,890	80,428,125	2,115,205	25,805,806	155,289,258	223,740,884	404,435,948
28	1	15,585	183	2,139	22,491	15,501	124,131
50	5	31,950	180	4,919	41,299	114,422	160,640
306	3	244,936	1,620	19,507	215,402	586,538	821,447
2,267	2,038	3,194,744	6,749	221,130	11,281,493	9,532,809	21,035,432
2,376	231	1,381,553	14,473	107,212	2,482,511	2,887,985	5,477,708
322	3	240,562	2,014	35,895	316,338	685,143	1,037,376
19	-	10,450	108	378	24,220	23,650	48,248
596	103	509,152	1,517	43,087	918,117	1,392,873	2,254,077
458	-	345,043	2,239	25,394	1,113,881	866,891	2,006,166
1,321	312	2,140,264	2,896	114,156	1,095,159	4,623,908	5,833,223
56	11	36,416	1,171	10,007	49,373	105,477	184,857
766	5	479,808	6,131	45,098	1,328,306	1,012,453	2,385,857
0,800	314	4,634,757	21,760	476,053	6,781,915	9,901,187	17,159,155
375	150	341,774	730	20,132	368,543	884,115	1,272,700
1,332	494	1,969,229	3,076	86,115	3,806,412	5,215,322	8,601,849
1,072	673	1,400,195	5,083	178,327	6,145,166	5,926,948	12,250,441
817	83	549,486	4,838	70,710	1,287,237	1,370,951	2,728,898
4,691	26	3,163,291	47,078	363,812	7,388,323	6,784,296	14,536,431
6,456	2,195	8,102,440	12,689	427,964	11,130,690	19,815,690	31,374,348
7,048	1,134	11,013,579	24,752	705,037	10,182,077	41,794,493	52,681,607
23,211	608	26,158,280	1,654,085	21,967,470	53,426,534	77,253,752	152,647,567
379	3	342,826	3,862	128,065	1,800,813	2,347,616	4,276,494
20,056	133	12,234,391	283,682	560,352	29,487,086	24,771,633	54,819,071
371	143	358,816	1,610	26,555	649,800	807,599	1,543,954
157	4	193,203	93	12,206	32,222	475,021	519,451
585	83	328,786	1,813	16,457	344,602	694,733	1,055,792
612	49	372,854	3,011	26,133	590,030	787,938	1,404,101
726	77	632,055	7,762	111,496	3,685,214	2,417,938	6,214,648
66,810	2,603	66,913,084	637,718	10,878,642	151,055,806	143,369,504	308,363,332
3,083	45	2,886,811	21,676	368,292	3,632,821	4,816,643	8,817,756
7,685	216	9,406,915	38,090	566,870	52,693,074	22,873,504	70,133,448
4,031	477	4,343,029	30,873	550,390	12,736,731	11,091,641	24,378,762
254	18	312,931	1,018	30,165	503,748	499,508	1,033,422
1,594	3	1,507,796	21,530	194,556	2,432,907	3,558,581	6,485,814
1,133	-	1,096,871	39,066	170,764	2,765,531	1,763,844	4,700,143
11,031	147	9,905,204	63,813	1,460,757	12,141,691	21,525,638	35,128,086
3,342	643	3,398,250	14,521	414,999	4,184,533	8,994,425	13,593,657
831	21	646,972	5,678	77,460	1,185,432	1,647,203	2,910,095
5,528	83	5,290,629	39,865	537,585	10,391,964	15,142,720	26,072,269

7.—Statistics of the Numbers, Capital, Employees, Salaries and Wages, Power, Fuel,

	Province, Group or Kind of Industry.	Establishments. No.	Capital Employed. \$	Salaried Employees.		
				Male. No.	Female. No.	Salaries \$
5.—Iron and Its Products—concluded.						
11	Primary iron and steel	51	90,079,004	490	96	1,269,620
12	Railway rolling stock	37	82,897,836	1,178	67	2,424,846
13	Sheet metal products	126	45,889,032	937	271	2,010,565
14	Wire and wire goods	69	28,818,082	348	111	835,826
6.—Non-Ferrous Metal Products		488	263,488,479	4,767	1,535	11,302,042
1	Aluminium products	16	3,759,990	109	41	239,599
2	Brass and copper products	125	22,325,567	694	169	1,455,322
3	Electrical apparatus and supplies	174	77,980,366	2,729	978	6,473,422
4	Jewellery and silverware	107	7,528,257	320	158	843,967
5	Miscellaneous non-ferrous metal products	20	999,053	64	26	137,517
6	Non-ferrous metal smelting and refining	15	146,047,422	737	112	1,842,449
7	White metal alloys	31	4,847,914	114	51	309,766
7.—Non-Metallic Mineral Products		1,164	307,374,479	3,469	804	7,063,632
1	Abrasive products	14	5,109,861	139	44	343,316
2	Aerated and mineral waters	386	11,583,339	548	101	889,107
3	Asbestos products	11	1,391,873	29	13	78,834
4	Cement	11	53,413,000	79	5	161,118
5	Cement products	88	3,285,150	105	5	119,301
6	Clay products, from domestic clay	149	23,046,807	186	29	389,722
7	Clay products, from imported clay	10	4,161,435	74	19	173,326
8	Coke and gas products	44	99,297,365	932	338	2,056,736
9	Glass products	67	13,808,243	257	82	587,064
10	Lime	58	8,497,895	53	9	82,983
11	Miscellaneous non-metallic mineral products	33	7,034,694	79	15	173,062
12	Petroleum products	51	67,021,041	657	94	1,440,983
13	Salt	9	3,711,598	53	18	164,685
14	Sand-lime brick	6	781,414	13	1	17,966
15	Stone, monumental and ornamental	218	5,194,702	265	31	385,419
8.—Chemicals and Chemical Products		736	156,788,418	4,329	1,500	10,578,367
1	Acids, alkalies and salts	16	45,033,355	403	49	845,253
2	Adhesives	16	2,127,205	50	15	129,855
3	Coal tar distillation	10	5,080,026	47	8	158,288
4	Explosives, ammunition and fireworks	9	6,865,362	189	23	443,937
5	Fertilizers	20	15,452,733	165	36	331,288
6	Gases, compressed	28	3,734,447	168	61	405,858
7	Inks, printing and writing	28	2,585,017	151	42	417,886
8	Medicinal and pharmaceutical preparations	180	20,641,129	971	496	2,619,210
9	Miscellaneous chemical products	117	11,999,716	401	137	804,984
10	Paints, pigments and varnishes	79	22,816,098	932	261	2,252,291
11	Soaps and dressings	45	1,630,392	111	44	232,278
12	Soaps and washing compounds	101	12,500,929	532	148	1,245,672
13	Toilet preparations	82	5,063,459	199	180	624,367
14	Wood distillation	5	1,645,950	10	—	16,200
9.—Miscellaneous Industries		508	67,716,376	1,866	575	4,094,584
1	Aircraft	6	1,210,314	32	5	66,875
2	Artificial flowers and feathers	12	234,801	17	12	26,240
3	Automobile accessories, fabric	11	367,748	17	9	31,703
4	Brooms, brushes and mops	77	3,713,438	194	77	372,471
5	Buttons	17	1,455,681	61	19	145,022
6	Candles	12	776,176	32	10	72,931
7	Fountain pens and pencils	9	2,066,509	85	30	196,559
8	Ice, artificial	47	5,091,197	76	19	144,255
9	Jewel cases and silverware cabinets	5	206,926	14	13	27,737
10	Mattresses and springs	61	5,345,518	218	63	528,498
11	Motion pictures	7	905,446	100	26	206,279
12	Musical instruments	19	4,608,820	128	41	309,352
13	Novelties, advertising and other	12	187,085	23	5	41,906
14	Pipes, tobacco	3	23,135	3	—	3,806
15	Refrigerators, other than electric or gas	5	462,256	35	9	39,174
16	Regalia and society emblems	10	167,621	11	5	17,843
17	Scientific and professional equipment	27	4,154,319	140	86	425,063
18	Shipbuilding and repairs	40	31,022,378	339	40	734,668
19	Signs, electric	33	3,028,233	136	22	262,540
20	Stamps and stencils, rubber and metal	34	586,062	68	16	114,853
21	Statuary, art goods and church supplies	31	623,672	64	31	117,081
22	Store display accessories	3	115,054	7	4	11,190
23	Toys and toy equipment	14	288,857	20	10	42,577
24	Typewriter supplies	7	820,634	36	19	137,031
25	Umbrellas	5	157,952	8	3	17,065
26	All other industries	1	106,550	2	1	5,865
10.—Central Electric Stations		1,043	1,439,832,166	4,924	1,364	10,434,613

Materials and Values of Products of Canadian Manufacturing Industries, 1934—con.

Employees on Wages.			Power Installed.	Cost of Fuel and Electricity.	Cost of Materials.	Value of Products.		
Male.	Female.	Wages.				Net.	Gross.	
No.	No.	\$	h.p.	\$	\$	\$	\$	
6,791	23	7,739,892	221,445	3,969,136	12,673,398	12,458,929	29,101,463	11
14,827	23	13,887,425	108,794	1,527,920	16,756,285	16,068,706	34,352,911	12
4,227	683	4,253,445	13,586	488,814	17,431,261	12,990,890	30,910,905	13
2,483	221	2,436,914	17,703	520,633	4,526,426	9,637,502	14,084,561	14
20,462	3,413	23,795,944	465,248	5,364,840	119,713,328	112,135,592	237,233,670	
561	78	586,998	2,964	104,115	2,115,100	1,526,218	3,745,433	1
2,825	244	2,732,330	24,311	523,103	11,177,964	7,608,247	19,399,314	2
7,497	2,453	8,746,000	92,186	986,528	21,308,006	27,940,277	50,234,811	3
1,497	445	1,806,981	2,851	93,618	3,418,798	4,347,486	7,859,902	4
154	47	175,346	395	14,623	229,589	676,712	920,924	5
7,443	6	9,216,757	279,023	3,564,712	78,325,552	68,045,975	149,936,239	6
485	140	530,912	3,518	78,141	3,138,319	2,010,587	5,227,047	7
17,187	499	17,841,902	231,586	10,917,334	84,508,166	71,357,332	166,782,852	
678	—	748,676	5,948	697,028	2,317,552	4,400,273	7,414,853	1
1,633	72	1,601,451	3,118	147,264	2,999,619	8,439,257	11,586,140	2
164	22	154,545	1,992	46,488	387,074	477,421	910,983	3
776	—	848,568	83,781	1,206,550	—	4,461,396	5,667,946	4
376	3	285,727	2,639	42,107	444,274	555,877	1,042,258	5
1,357	—	873,255	25,170	558,732	—	2,121,678	2,680,410	6
543	77	499,428	2,043	184,735	515,465	1,223,018	1,923,218	7
3,006	2	3,592,233	31,945	2,883,049	15,237,031	20,151,940	38,272,020	8
2,413	249	2,589,140	12,315	893,488	3,549,677	5,347,706	9,790,871	9
675	—	452,509	6,900	606,335	—	2,139,462	2,745,797	10
365	22	321,394	7,004	179,721	1,202,820	2,491,806	3,874,347	11
4,196	10	4,938,243	36,774	3,124,534	56,969,015	16,243,964	76,337,513	12
360	38	387,313	2,822	236,257	—	1,718,696	1,954,953	13
64	—	48,030	901	20,172	51,316	102,581	174,069	14
581	4	501,390	8,234	90,874	834,323	1,482,277	2,407,474	15
8,760	2,541	10,341,373	113,682	3,837,233	41,998,776	62,216,030	108,052,039	
1,832	5	1,996,600	53,072	1,872,137	3,674,265	10,947,737	16,494,139	1
256	11	245,153	1,396	77,198	587,535	642,660	1,307,393	2
147	—	161,767	366	115,085	1,366,041	522,989	2,004,715	3
852	213	973,887	5,812	188,626	2,955,842	5,893,320	9,037,788	4
575	—	614,890	23,100	348,716	3,647,660	1,470,778	5,467,154	5
213	4	241,123	5,110	116,887	378,111	2,308,842	2,863,840	6
222	23	287,906	1,617	32,539	959,826	1,418,636	2,411,001	7
938	1,101	1,687,199	3,604	148,760	6,587,569	12,747,765	19,484,094	8
796	367	856,690	6,358	173,865	3,413,611	4,550,276	8,137,752	9
1,513	153	1,573,247	7,448	274,567	7,949,941	10,393,863	18,618,371	10
132	75	172,555	196	13,612	815,680	1,089,706	1,918,998	11
949	189	1,056,055	5,995	346,066	7,182,860	6,085,538	13,614,404	12
180	400	361,868	590	26,354	2,022,030	3,929,179	5,977,563	13
155	—	112,463	418	102,821	457,205	214,741	774,767	14
7,793	1,947	8,080,798	70,924	867,817	14,025,309	21,521,517	36,414,643	
117	8	125,498	623	11,219	162,294	310,435	483,948	1
33	112	59,660	9	944	60,239	123,430	184,613	2
63	28	68,140	155	6,123	209,582	210,488	426,193	3
863	214	661,189	1,788	42,527	1,327,505	1,750,449	3,120,481	4
325	235	356,357	661	20,716	466,935	811,263	1,298,914	5
53	26	48,798	47	9,177	198,417	214,940	422,534	6
194	206	318,599	539	17,221	920,530	888,783	1,826,534	7
409	10	376,876	10,861	178,203	71,729	1,290,911	1,540,842	8
38	40	55,668	94	3,279	75,984	127,777	207,400	9
1,114	222	1,106,697	4,186	89,724	3,054,194	2,581,790	5,725,708	10
12	3	18,999	54	5,282	632,761	415,955	1,054,028	11
582	227	613,895	3,405	71,252	1,364,564	1,292,049	2,717,865	12
56	60	58,953	43	2,893	106,676	163,189	262,758	13
10	1	6,904	15	860	6,592	12,120	19,572	14
100	3	72,247	643	5,780	140,127	137,459	283,366	15
8	19	17,927	30	773	23,011	69,990	83,774	16
404	228	640,759	2,657	75,200	2,222,491	3,250,960	5,548,651	17
2,378	3	2,463,276	42,521	254,642	1,612,739	4,852,079	6,719,459	18
338	8	364,941	163	36,496	308,521	1,172,129	1,517,146	19
159	7	143,954	199	8,275	73,830	391,086	473,191	20
177	145	219,878	696	10,522	351,343	471,910	833,775	21
33	3	22,651	134	2,689	13,367	44,562	60,618	22
147	74	123,210	140	4,373	169,033	376,553	549,959	23
62	25	90,431	257	7,231	286,848	426,128	720,207	24
20	35	36,985	66	955	135,359	111,610	247,924	25
6	5	8,306	38	1,461	30,638	53,444	85,543	26
8,686	—	11,394,878	7,061,592	2,061,620	—	122,461,993	124,463,613	

Subsection 2.—Manufactures Classified by the Purpose of the Products.

Production of Manufactured Goods According to the Purpose Classification.—In addition to the classification according to the chief component material of the products, used for the industrial census in detailed presentation, a separate and distinct classification, based on the chief purpose of the products, was applied for the first time to the census returns of 1922 and is presented in Table 8 for the years 1922, 1924, 1926, 1929 to 1933, in summary form, and for 1934 in more detail.

Significant changes have occurred since 1922 in the importance of the various groups shown in the purpose classification. Indicative of the increasing industrialization of the Dominion is the increase in the "industrial equipment" group from 17.0 p.c. of the total value of production in 1922 to 18.6 p.c. of the total in 1934, and the increase in "producers' materials" from 26.8 p.c. to 29.4 p.c. during the same period. Another significant change is the decline in the "food" group which dropped from a production of 27.1 p.c. to 22.8 p.c. of the total. Whereas in 1922, food products comprised the leading group, in 1934 the production of producers' materials ranked first in importance. The following groups had improved their position since 1922; vehicles and vessels advanced from an output of 6.5 p.c. to 7.0 p.c. of the total value of production; drink and tobacco from 4.0 p.c. to 4.2 p.c. and books and stationery from 4.0 p.c. to 4.4 p.c. The following groups declined in importance; the clothing group dropped from 9.5 p.c. to 9.3 p.c., house furnishings from 2.6 p.c. to 1.8 p.c. and personal utilities from 2.3 p.c. to 1.6 p.c.

In analysing the relative standing of the two groups which are perhaps of the greatest interest, it is noted that the gross production of the "food" industries in 1934 was 22.8 p.c. of the output of Canadian manufactures, as compared with an output of only 9.3 p.c. for the "clothing" industries. Aside from the fact that a much larger proportion of its products is exported, the greater production of the "food" group was, in part, due to the higher cost of raw materials, the value added by manufacture being 15.0 p.c. of the total for all industries in the case of the "food" group and 8.8 p.c. for the "clothing" group. The "clothing" industries also gave employment to 10,409 more persons than the "food" industries, but paid out \$4,182,477 less in salaries and wages.

8.—Principal Statistics of the Manufacturing Industries of Canada, Classified According to the Purpose of the Principal Product, by Main Groups for Representative Years 1922-33, and in Detail for 1934.

Year and Purpose Heading.	Estab-lish-ments.	Capital.	Em-ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Totals	22,511	3,244,202,110	474,430	510,431,312	1,283,774,723	2,482,209,130
Food.....	8,256	343,867,673	66,815	67,738,707	490,731,438	673,794,031
Drink and tobacco.....	496	104,047,461	13,402	13,777,986	33,027,203	99,529,819
Clothing.....	1,279	175,076,687	70,931	65,595,519	118,749,053	236,553,193
Personal utilities.....	936	56,060,262	16,904	17,080,049	21,879,031	57,258,476
House furnishings.....	600	75,168,063	18,032	19,861,883	24,956,960	62,961,050
Books and stationery.....	1,557	82,240,691	28,103	36,920,804	27,190,071	90,118,909
Vehicles and vessels.....	1,154	191,257,804	30,067	37,237,412	87,840,814	160,624,079
Producers' materials.....	5,588	1,086,692,015	143,354	147,581,011	316,400,400	666,241,271
Industrial equipment.....	2,645	1,124,931,330	85,953	103,576,555	160,035,399	421,211,824
Miscellaneous.....	30	4,960,434	869	1,001,388	2,904,354	4,916,418
Totals	22,178	3,538,813,460	508,503	559,884,045	1,438,409,681	2,695,053,582
Food.....	8,036	364,420,646	74,721	73,119,482	515,708,299	702,713,901
Drink and tobacco.....	518	124,000,298	14,702	15,748,590	39,159,283	111,877,777
Clothing.....	1,956	197,041,969	81,729	75,380,919	130,130,048	260,944,006
Personal utilities.....	341	48,367,616	9,547	11,057,386	20,304,177	41,815,384
House furnishings.....	587	64,787,015	15,820	17,142,226	22,448,984	54,944,837
Books and stationery.....	1,690	100,017,954	29,486	40,212,100	32,300,935	107,272,029
Vehicles and vessels.....	980	205,551,891	34,149	44,977,607	117,515,075	195,403,284
Producers' materials.....	5,716	1,251,962,266	163,523	176,046,967	394,533,201	767,759,256
Industrial equipment.....	2,204	1,149,628,422	80,406	100,883,940	160,470,513	425,236,330
Miscellaneous.....	150	33,035,383	4,420	4,714,828	15,779,166	27,056,778

8.—Principal Statistics of the Manufacturing Industries of Canada, Classified According to the Purpose of the Principal Product, by Main Groups for Representative Years 1922-33, and in Detail for 1934—continued.

Year and Purpose Heading.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Totals 1926.	22,708	3,981,569,390	581,539	653,850,933	1,728,624,192	3,221,269,231
Food.....	8,259	394,159,943	87,343	78,143,619	581,403,701	783,223,094
Drink and tobacco.....	574	137,139,189	15,341	16,817,022	45,115,122	130,895,207
Clothing.....	1,878	211,149,085	91,215	85,361,018	158,935,630	306,551,672
Personal utilities.....	384	50,497,988	10,633	12,470,247	24,236,592	49,724,101
House furnishings.....	543	60,277,954	15,684	16,858,549	22,673,689	55,353,652
Books and stationery.....	1,716	108,582,186	31,500	43,781,918	34,575,475	116,119,226
Vehicles and vessels.....	917	271,239,055	50,731	70,315,573	178,558,815	298,064,100
Producers' materials.....	5,807	1,404,509,475	182,599	206,672,039	453,310,993	935,766,746
Industrial equipment.....	2,457	1,313,175,892	91,956	118,162,492	213,697,326	516,380,827
Miscellaneous.....	173	30,888,823	4,537	5,260,956	16,107,849	29,190,480
Totals 1929.	23,597	5,083,014,754	694,434	813,019,812	2,032,020,075	4,029,271,340
Food.....	8,351	463,994,558	94,707	87,960,036	597,396,238	785,986,384
Drink and tobacco.....	599	201,365,785	18,976	21,670,476	65,440,053	208,908,998
Clothing.....	2,054	250,215,736	106,641	100,863,405	176,130,224	363,011,970
Personal utilities.....	380	50,155,234	11,148	13,595,331	29,389,246	61,191,750
House furnishings.....	600	78,185,921	20,857	23,248,775	34,293,465	77,811,331
Books and stationery.....	1,917	144,222,275	38,141	56,003,183	45,384,362	155,947,900
Vehicles and vessels.....	781	310,942,038	61,835	91,239,185	243,258,350	407,947,648
Producers' materials.....	6,210	1,772,309,696	222,104	257,233,327	523,139,599	1,151,390,753
Industrial equipment.....	2,600	1,774,844,446	116,086	156,651,963	304,581,449	737,711,202
Miscellaneous.....	105	32,789,065	3,939	4,584,261	13,007,089	27,403,344
Totals 1930.	24,020	5,303,316,760	644,439	736,092,766	1,666,983,902	3,428,970,628
Food.....	8,304	464,697,907	86,279	82,930,475	597,246,850	785,984,400
Drink and tobacco.....	620	204,639,846	18,365	20,635,959	53,721,019	186,694,400
Clothing.....	2,017	231,366,990	94,086	87,308,105	147,363,887	298,878,500
Personal utilities.....	373	50,613,454	9,445	11,423,383	23,826,499	50,416,097
House furnishings.....	592	74,357,090	19,328	20,679,759	27,037,565	65,818,150
Books and stationery.....	1,943	148,509,793	38,222	56,396,315	43,997,854	150,051,129
Vehicles and vessels.....	766	306,354,979	62,871	84,736,739	167,308,926	311,309,244
Producers' materials.....	6,607	1,857,834,835	203,750	222,057,875	429,118,305	947,835,546
Industrial equipment.....	2,690	1,835,713,531	108,510	145,855,520	256,513,915	648,879,249
Miscellaneous.....	108	29,828,335	3,583	4,068,636	10,855,092	23,233,907
Totals 1931.	24,501	4,961,312,408	557,426	624,545,561	1,723,880,011	3,698,461,862
Food.....	8,531	444,209,802	76,257	78,014,998	572,123,103	785,771,122
Drink and tobacco.....	671	191,806,615	18,487	20,450,518	45,094,251	153,379,004
Clothing.....	2,106	213,300,836	89,388	79,522,249	128,931,923	259,539,989
Personal utilities.....	376	44,211,577	8,959	10,517,796	18,930,769	43,711,790
House furnishings.....	612	68,433,256	17,294	17,708,228	22,048,506	52,051,911
Books and stationery.....	2,011	143,486,210	37,309	53,977,715	38,349,342	133,570,961
Vehicles and vessels.....	691	265,252,000	49,853	60,408,577	95,290,128	198,136,564
Producers' materials.....	6,662	1,675,244,323	161,741	176,921,090	317,204,989	732,199,515
Industrial equipment.....	2,721	1,890,108,952	94,799	123,104,060	180,505,705	521,671,319
Miscellaneous.....	120	25,258,837	3,339	3,919,624	8,341,295	21,429,627
Totals 1932.	24,544	4,741,255,610	495,398	585,883,323	955,964,683	2,126,194,555
Food.....	8,481	410,855,008	72,547	69,844,944	430,192,616	492,549,607
Drink and tobacco.....	683	181,932,180	18,234	18,970,314	43,403,438	109,650,639
Clothing.....	2,146	172,486,014	83,568	67,567,959	100,328,484	210,432,923
Personal utilities.....	403	38,870,494	8,361	8,879,492	14,825,620	35,896,107
House furnishings.....	645	71,415,662	16,271	14,590,790	16,874,943	42,113,768
Books and stationery.....	2,075	135,048,437	34,656	40,953,473	32,040,536	112,563,995
Vehicles and vessels.....	657	241,122,892	39,613	43,360,068	57,818,046	128,072,046
Producers' materials.....	6,571	1,522,863,371	139,782	135,522,235	238,645,276	548,909,696
Industrial equipment.....	2,759	1,943,356,492	79,088	90,543,678	141,575,794	427,326,335
Miscellaneous.....	124	23,305,070	3,298	3,650,672	7,317,930	18,679,441
Totals 1933.	25,232	4,689,373,704	493,903	465,562,090	969,188,574	2,086,947,847
Food.....	8,759	408,995,499	75,434	68,652,798	313,760,942	492,729,174
Drink and tobacco.....	670	185,612,678	18,289	17,626,141	40,454,300	95,409,638
Clothing.....	2,333	166,963,903	85,891	63,883,623	104,608,696	209,867,715
Personal utilities.....	601	39,681,900	8,938	8,616,372	15,323,848	35,589,961
House furnishings.....	654	66,047,002	15,687	12,887,200	16,022,584	38,684,649
Books and stationery.....	2,170	132,507,101	34,300	42,830,661	28,818,380	103,477,707
Vehicles and vessels.....	479	232,153,543	37,618	35,725,625	56,917,292	120,992,781
Producers' materials.....	6,564	1,459,569,284	139,734	126,208,238	252,393,314	573,991,467
Industrial equipment.....	2,860	1,974,679,340	74,778	85,587,303	133,382,392	394,607,113
Miscellaneous.....	142	23,163,454	3,334	3,544,129	7,516,826	18,497,642

8.—Principal Statistics of the Manufacturing Industries of Canada, Classified According to the Purpose of the Principal Product, by Main Groups for Representative Years 1922-33, and in Detail for 1934—concluded.

Year and Purpose Heading.	Estab-lish-ments.	Capital.	Em-ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1934.						
Totals	25,663	1,703,917,730	545,162	533,594,635	1,230,977,053	2,533,758,954
Food.....	8,871	415,660,641	81,180	74,090,460	385,025,834	579,314,257
Drink and tobacco.....	680	181,802,821	18,348	18,316,163	42,394,220	106,791,466
Clothing.....	2,413	170,761,461	91,589	69,907,983	121,511,064	236,028,354
Personal utilities.....	616	39,466,768	10,029	9,965,177	18,721,601	40,313,288
House furnishings.....	670	66,913,599	16,981	14,630,504	20,798,352	46,825,546
Books and stationery.....	2,247	133,383,455	35,445	44,495,558	31,927,029	111,421,559
Vehicles and vessels.....	497	221,882,415	41,185	44,644,716	90,699,378	173,812,392
Producers' materials.....	6,646	1,443,937,708	162,980	156,167,795	339,004,405	744,104,440
Industrial equipment.....	2,866	2,006,485,870	83,657	97,396,113	171,387,338	470,745,065
Miscellaneous.....	157	23,622,992	3,768	3,980,166	9,507,772	22,402,587
1934—DETAIL.						
Food	8,871	415,660,641	81,180	74,090,460	385,025,834	579,314,257
Breadstuffs.....	4,780	161,923,257	35,841	31,370,775	157,749,105	211,211,899
Fish.....	665	17,373,799	4,663	2,870,410	15,567,160	24,056,927
Fruits and vegetables.....	287	30,266,310	7,524	4,704,518	20,400,907	35,330,577
Meats.....	211	57,923,734	10,512	11,952,951	99,825,885	124,210,701
Milk products.....	2,681	89,502,230	15,324	14,228,079	68,938,730	101,761,279
Oils and fats.....	4	98,306	21	21,590	33,612	89,500
Sugar industries.....	8	33,151,249	2,080	2,919,662	24,099,994	36,007,208
Infusions.....	71	13,837,780	2,015	2,429,626	16,598,466	22,667,013
Miscellaneous.....	164	23,586,916	3,200	3,593,140	11,745,975	23,973,093
Drink and Tobacco	680	181,802,821	18,348	18,316,163	42,394,220	106,791,466
Beverages, alcoholic.....	90	106,727,760	5,929	7,405,344	14,798,670	48,585,311
Beverages, non-alcoholic.....	441	19,692,689	2,911	3,104,228	4,811,037	15,152,299
Tobacco.....	149	55,382,378	9,508	7,806,601	22,784,513	43,053,856
Clothing	2,413	170,761,461	91,589	69,907,983	121,511,064	236,028,354
Hats and shoes.....	211	22,709,588	14,868	10,571,099	17,021,115	32,305,637
Fur goods.....	334	12,031,578	3,651	3,645,440	8,258,147	14,156,511
Garments and personal furnishings	1,042	53,319,103	38,354	29,316,115	64,945,838	112,970,320
Gloves and mittens.....	54	2,807,872	1,995	1,282,380	2,227,924	4,173,618
Hats and caps.....	180	6,047,277	4,131	3,417,779	5,248,870	11,030,372
Knitted goods.....	167	49,446,669	17,978	13,565,616	21,831,064	44,957,047
Waterproofs.....	14	682,674	236	195,465	514,674	882,237
Miscellaneous textiles, n.e.s.....	441	23,716,700	10,376	7,914,080	1,493,432	15,602,612
Personal Utilities	616	39,466,768	10,029	9,965,177	18,721,601	40,313,288
Jewelry and timepieces.....	112	7,735,183	2,525	2,734,353	3,494,782	8,066,942
Recreational supplies.....	70	6,355,952	1,854	1,572,162	2,183,397	4,811,778
Personal utilities.....	434	25,375,633	5,650	5,658,662	13,043,422	27,434,568
House Furnishings	670	66,913,599	16,981	14,630,504	20,798,352	46,825,546
Books and Stationery	2,247	133,383,455	35,445	44,495,558	31,927,029	111,421,559
Vehicles and Vessels	497	221,882,415	41,185	44,644,716	90,699,378	173,812,392
Producers' Materials	6,646	1,443,937,708	162,980	156,167,795	339,004,405	744,104,440
Farm materials.....	20	15,452,733	776	946,178	3,647,660	5,467,154
Manufacturers' materials.....	1,141	1,133,065,086	109,259	113,162,530	255,898,152	572,601,401
Building materials.....	4,870	222,280,859	38,612	29,271,596	54,337,728	116,257,797
General materials.....	615	72,239,030	14,333	12,787,491	25,120,925	49,778,088
Industrial Equipment	2,866	2,006,485,870	83,657	97,396,113	171,387,338	470,745,065
Farming equipment.....	41	55,894,742	3,748	3,804,495	3,655,312	8,941,887
Manufacturing equipment.....	211	54,451,593	8,115	8,762,535	10,760,507	27,345,059
Trading equipment.....	136	9,828,265	1,601	1,709,581	860,971	4,574,762
Service equipment.....	289	29,454,212	5,745	6,687,679	10,612,281	29,174,625
Light, heat and power equipment	1,450	1,690,276,460	40,148	51,564,346	96,353,087	296,525,516
General equipment.....	739	166,580,598	24,300	24,807,477	49,145,180	104,183,216
Miscellaneous	157	23,622,992	3,768	3,980,166	9,507,772	22,402,587

Subsection 3.—Manufactures Classified by Origin of the Materials.

Classification of Manufacturing Production According to the Origin of the Materials Worked Upon.—The principal statistics of the manufactures of Canada, classified upon the basis of "origin", are presented in Table 9 for the years 1924, 1926, and 1929 to 1934. By this means Canadian manufacturing production may be analysed from a new angle, one by means of which interesting comparisons may be made with the external trade classification according to origin.

The distinction made between farm materials of Canadian and foreign origin is based on whether the materials are indigenous to Canada rather than their actual source. Thus, the industries included in the foreign origin classes are those depending upon materials which cannot be grown in Canada such as tea, coffee, spices, cane sugar, rice, rubber, cotton, etc., but it should be understood that industries included in the Canadian origin classes may be using large quantities of imported corn, fruit, tobacco, hides, wool, etc.

While the period reviewed in the following table only covers the short space of the 11 years from 1924 to 1934, interesting changes have taken place in the relative importance of the industries based on materials from the different origins. Since the purpose of such a comparison is to discover the relative importance of the manufacturing work done upon materials from the different origins, the figures of net value of products or the value added to the raw materials by the manufacturing processes will give a more accurate measure of the importance of the industrial groups than the figures of gross value of products.

The values added in the manufacture of materials of mineral origin represented 31.7 p.c. of the total value added by manufacture in all industries. This group advanced from second place in 1924 when the percentage of the total was 27.9. The second largest group from the point of view of value added is that of farm origin which accounted for 30.0 p.c. of the total value in 1934. This group with 30.7 p.c. of the total was in first place in 1924. The values added by the industries of the forest group, which are third in importance, declined from 23.8 p.c. of the total in 1924 to 18.7 p.c. in 1934. On the other hand, central electric stations better their position, the percentages of the totals being 7.6 in 1924 and 9.5 in 1934. The above percentages of values added are based on the old method of computation, whereby the materials only are deducted from the gross value of products. The increase during the period under review in the relative importance of the industries of the mineral group was probably due to a number of influences. The expansion of the motor vehicle industry, the rapid growth in the use of electrical equipment, growing dependence of the construction industry upon large quantities of steel, cement and various other manufactured mineral products, and the development of metallurgical plants in Canada were some factors in the growing importance of the mineral group of industries. Another factor in this trend has been the growing appreciation and development of the wealth of the mineral resources of Canada. Not only have the various mining activities made the raw materials for mineral industries more readily available, but those activities have also required large quantities of machinery, electrical apparatus and other finished products of mineral origin.

In the year 1934, the industries of the farm group exceeded those of any other group in the gross value of products with 37.4 p.c. of the total, as compared with 32.0 p.c. for the mineral and 15.7 p.c. for the forest origin group. These three principal groups stood in the same order of importance with regard to salaries and wages paid. In employment, however, the farm origin group ranks first, followed

by the mineral origin and forest origin groups. In the matter of capital invested, central electric stations led with 30.4 p.c. of the total, followed by the mineral group with 27.1 p.c., the farm group with 18.7 p.c. and the forest group with 18.6 p.c.

9.—Principal Statistics of the Manufacturing Industries of Canada, Classified According to the Origin of the Material Used, by Main Groups for Representative Years 1924-34.

Year and Origin.	Estab-lish-ments.	Capital.	Em-ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1924.						
Totals	22,178	3,528,813,160	508,503	559,884,045	1,438,409,681	2,693,053,582
Farm Origin—						
(a) From field crops.....	4,595	525,717,571	89,436	87,789,237	433,443,376	691,513,259
Canadian origin.....	4,311	299,158,049	51,462	53,793,131	270,753,367	440,469,831
Foreign origin.....	284	226,559,522	37,974	33,996,106	162,690,009	251,043,428
(b) From animal husbandry.....	4,086	253,858,982	64,671	66,696,501	285,502,644	413,007,421
Canadian origin.....	4,068	247,073,900	63,052	65,424,526	282,604,516	407,766,406
Foreign origin.....	18	6,785,082	1,619	1,271,975	2,898,128	5,241,015
Totals Farm Origin	8,681	779,576,553	154,107	154,485,738	718,946,020	1,104,520,680
Canadian origin.....	8,379	546,231,949	114,514	119,217,657	553,357,883	848,236,237
Foreign origin.....	302	233,344,604	39,593	35,268,081	165,588,137	256,284,443
Wild life origin.....	226	10,837,249	2,944	3,194,213	7,506,169	13,386,266
Marine origin.....	836	20,304,785	11,157	3,344,348	16,089,332	26,637,962
Forest origin.....	6,873	876,149,932	126,907	147,719,245	245,183,429	544,282,597
Mineral origin.....	2,806	1,010,517,944	136,837	171,068,497	349,806,585	700,002,097
Mixed origin.....	1,805	212,861,904	63,723	62,125,420	100,884,146	211,054,212
Central electric stations.....	951	628,565,093	12,828	17,940,584	Nil	95,169,768
1926.						
Totals	22,708	3,981,569,590	581,539	653,850,933	1,728,624,192	3,221,269,231
Farm Origin—						
(a) From field crops.....	4,697	565,932,312	99,200	95,403,666	486,522,508	773,023,228
Canadian origin.....	4,434	323,033,863	56,017	54,719,806	299,452,868	486,709,022
Foreign origin.....	263	242,898,449	43,183	40,683,860	187,069,640	286,314,206
(b) From animal husbandry.....	4,149	258,779,323	68,362	71,675,146	337,243,258	475,760,979
Canadian origin.....	4,137	248,759,804	65,939	69,190,146	333,770,293	467,253,826
Foreign origin.....	12	10,019,519	2,423	1,985,000	3,472,965	8,507,153
Totals, Farm Origin	8,846	824,711,635	167,562	167,078,812	823,765,766	1,248,784,207
Canadian origin.....	8,571	571,793,867	121,956	124,409,952	633,223,161	953,962,848
Foreign origin.....	275	252,917,968	45,606	42,668,860	190,542,605	294,821,359
Wild life origin.....	232	13,321,668	3,662	4,328,731	12,459,350	21,775,688
Marine origin.....	831	28,868,071	17,408	5,622,837	22,034,129	36,190,764
Forest origin.....	6,710	926,726,166	133,428	159,909,652	260,039,864	597,551,657
Mineral origin.....	3,284	1,200,704,022	173,515	226,802,705	489,898,292	982,013,019
Mixed origin.....	1,748	231,017,962	72,558	70,105,196	120,426,791	245,930,163
Central electric stations.....	1,057	756,220,066	13,406	19,943,000	Nil	88,933,733
1929.						
Totals	23,597	5,083,014,751	694,434	813,049,842	2,632,026,975	1,029,371,340
Farm Origin—						
(a) From field crops.....	5,101	697,206,163	114,236	115,201,292	496,842,580	889,075,246
Canadian origin.....	4,803	436,282,846	67,234	67,235,530	326,292,523	598,311,861
Foreign origin.....	298	260,923,317	47,002	47,965,762	170,550,057	290,763,385
(b) From animal husbandry.....	3,873	330,457,360	71,818	76,931,259	361,854,627	522,170,403
Canadian origin.....	3,850	272,178,703	67,446	73,105,403	355,763,503	597,694,323
Foreign origin.....	23	28,278,657	4,372	3,825,796	6,091,124	14,476,080
Totals, Farm Origin	9,064	997,663,523	186,054	192,132,551	858,697,207	1,411,245,649
Canadian origin.....	8,743	708,461,549	134,680	140,340,993	682,056,026	1,106,006,184
Foreign origin.....	321	289,201,974	51,374	51,791,558	176,641,181	305,239,465
Wild life origin.....	234	14,338,686	3,767	4,783,323	12,847,817	20,861,039
Marine origin.....	730	28,644,442	16,367	5,411,855	21,466,859	34,966,260
Forest origin.....	7,353	1,148,558,242	163,863	191,044,307	313,088,964	722,266,066
Mineral origin.....	3,219	1,550,662,908	218,879	304,027,803	678,683,203	1,392,499,868
Mixed origin.....	1,973	287,415,421	89,340	90,818,182	147,206,925	324,646,012
Central electric stations.....	1,024	1,055,731,532	16,164	24,831,821	Nil	122,883,446

9.—Principal Statistics of the Manufacturing Industries of Canada, Classified According to the Origin of the Material Used, by Main Groups for Representative Years 1924-34—continued.

Year and Origin.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1930.						
Totals	21,020	5,203,316,760	644,439	736,092,766	1,666,983,902	3,428,970,628
Farm Origin—						
(a) From field crops.....	5,227	677,792,694	105,592	102,726,935	405,562,922	751,687,348
Canadian origin.....	4,935	442,807,092	65,376	63,794,721	279,881,769	530,107,484
Foreign origin.....	292	234,985,602	40,216	38,932,214	125,681,153	221,579,864
(b) From animal husbandry.....	3,749	288,981,837	67,601	70,062,906	297,742,312	453,333,529
Canadian origin.....	3,724	258,475,777	62,208	65,344,316	290,108,983	435,524,931
Foreign origin.....	25	30,506,060	5,393	4,718,590	7,633,329	17,808,598
Totals, Farm Origin	8,976	966,774,531	173,193	172,789,841	703,305,234	1,205,020,877
Canadian origin.....	8,659	701,282,889	127,584	129,139,037	569,990,752	985,632,415
Foreign origin.....	317	265,491,642	45,609	43,650,804	133,314,482	239,388,462
Wild life origin.....	226	12,807,807	3,437	4,272,725	9,753,282	17,359,592
Marine origin.....	699	30,827,607	10,558	4,302,854	21,081,889	32,973,308
Forest origin.....	7,713	1,208,835,180	153,295	168,769,271	265,842,814	625,551,244
Mineral origin.....	3,400	1,596,294,958	205,035	280,642,536	547,099,544	1,155,197,527
Mixed origin.....	1,972	249,576,661	81,063	78,028,096	119,901,500	260,829,935
Central electric stations.....	1,034	1,138,200,016	17,858	27,287,443	Nil	126,038,145
1931.						
Totals	21,591	4,961,312,498	557,426	624,545,561	1,223,880,011	2,698,461,962
Farm Origin—						
(a) From field crops.....	5,480	646,509,085	97,854	95,618,772	297,554,312	601,887,565
Canadian origin.....	5,176	426,592,615	61,774	61,707,114	198,558,986	415,514,045
Foreign origin.....	304	219,916,470	36,080	33,911,658	98,995,326	186,373,520
(b) From animal husbandry.....	3,818	282,034,749	67,575	67,019,011	230,302,849	363,751,442
Canadian origin.....	3,795	249,829,542	61,302	61,290,016	223,820,652	345,563,950
Foreign origin.....	23	32,205,207	6,273	5,758,995	6,482,197	18,187,492
Totals, Farm Origin	9,298	928,543,834	165,429	162,637,783	527,857,161	965,639,007
Canadian origin.....	8,971	676,422,157	123,076	123,027,130	422,379,638	761,077,995
Foreign origin.....	327	252,121,677	42,353	39,610,653	105,477,523	204,561,012
Wild life origin.....	279	13,212,426	3,636	4,260,161	8,856,762	15,818,733
Marine origin.....	662	19,085,513	4,268	2,761,423	11,020,834	18,826,893
Forest origin.....	7,668	1,042,195,805	118,638	135,553,459	190,406,914	475,257,527
Mineral origin.....	3,539	1,493,824,301	171,878	221,522,345	382,290,998	866,012,305
Mixed origin.....	2,044	234,461,578	76,563	71,503,434	102,557,342	234,590,667
Central electric stations.....	1,014	1,229,988,951	17,014	26,306,956	Nil	122,310,730
1932.						
Totals	24,544	4,741,255,610	495,398	595,883,323	955,968,683	2,126,194,555
Farm Origin—						
(a) From field crops.....	5,447	613,405,860	91,607	85,648,705	255,777,175	495,491,385
Canadian origin.....	5,128	398,278,659	58,086	55,021,503	173,614,590	334,010,858
Foreign origin.....	309	215,127,201	33,521	30,627,202	82,162,585	160,580,527
(b) From animal husbandry.....	3,914	252,525,128	67,730	61,023,284	184,149,290	305,400,916
Canadian origin.....	3,890	224,503,716	60,694	55,286,419	176,291,486	285,536,073
Foreign origin.....	24	28,021,412	7,036	5,756,865	7,858,104	19,864,843
Totals, Farm Origin	9,351	865,930,988	159,337	146,671,989	439,926,465	800,892,301
Canadian origin.....	9,018	622,782,375	118,780	110,287,922	349,905,776	620,446,931
Foreign origin.....	333	243,148,613	40,557	36,384,067	90,020,689	180,445,370
Wild life origin.....	282	10,819,357	3,216	3,471,408	6,717,461	12,176,349
Marine origin.....	629	17,043,212	4,128	2,344,164	10,263,631	16,684,125
Forest origin.....	7,737	944,102,015	105,168	108,539,389	140,775,506	362,291,185
Mineral origin.....	3,463	1,351,875,842	136,536	160,187,382	276,036,385	611,974,884
Mixed origin.....	2,040	215,597,209	71,618	61,407,485	82,249,235	193,755,478
Central electric stations.....	1,033	1,335,886,987	16,395	23,261,166	Nil	128,420,233

9.—Principal Statistics of the Manufacturing Industries of Canada, Classified According to the Origin of the Material Used, by Main Groups for Representative Years 1924-1934—concluded.

Year and Origin.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1933.						
Totals	25,232	4,689,373,704	493,903	465,562,090	969,188,574	2,086,847,817
Farm Origin—						
(a) From field crops.....	5,746	609,044,529	93,433	81,655,182	263,007,043	494,048,930
Canadian origin.....	5,424	393,913,114	59,378	51,750,819	173,684,115	322,239,909
Foreign origin.....	322	215,131,415	34,055	29,904,363	89,322,928	171,759,021
(b) From animal husbandry.....	3,978	265,730,399	72,970	62,195,099	199,671,203	320,662,509
Canadian origin.....	3,949	232,537,529	65,169	56,056,567	191,875,661	297,907,540
Foreign origin.....	29	30,192,870	7,801	6,138,532	7,795,542	22,754,969
Totals, Farm Origin	9,724	874,774,928	166,403	143,850,281	462,678,246	814,711,439
Canadian origin.....	9,373	629,450,643	124,547	107,807,386	365,559,776	620,197,449
Foreign origin.....	351	245,324,285	41,856	36,042,895	97,118,470	194,513,990
Wild life origin.....	335	10,507,157	3,498	3,481,885	7,159,079	13,000,927
Marine origin.....	620	15,532,775	4,064	2,287,385	10,960,289	17,380,323
Forest origin.....	7,796	882,445,602	102,807	99,046,012	133,550,374	335,880,257
Mineral origin.....	3,539	1,306,641,651	130,565	138,101,092	271,434,337	601,428,003
Mixed origin.....	2,177	212,939,536	71,849	57,363,558	83,408,249	186,908,817
Central electric stations.....	1,041	1,386,532,055	14,717	21,431,877	Nil	117,532,081
1934.						
Totals	25,663	4,703,917,730	545,162	533,594,635	1,230,977,053	2,533,758,954
Farm Origin—						
(a) From field crops.....	5,866	607,420,061	99,966	89,102,003	308,435,652	566,150,163
Canadian origin.....	5,528	393,120,615	62,345	55,117,304	200,631,739	365,799,890
Foreign origin.....	338	214,299,446	37,621	33,984,699	107,803,913	200,350,273
(b) From animal husbandry.....	3,955	273,632,909	79,824	68,772,951	249,605,928	382,505,562
Canadian origin.....	3,926	239,440,017	70,604	61,236,979	240,051,996	356,626,503
Foreign origin.....	29	34,192,892	9,220	7,535,972	9,553,932	25,879,059
Totals, Farm Origin	9,821	881,052,970	179,790	157,934,954	558,041,580	959,655,725
Canadian origin.....	9,454	632,560,632	132,949	116,414,283	440,683,735	733,426,393
Foreign origin.....	367	248,492,338	46,841	41,520,671	117,357,845	226,229,332
Wild life origin.....	334	12,031,578	3,651	3,645,440	8,258,147	14,150,511
Marine origin.....	665	17,372,799	4,663	2,870,119	15,567,160	24,056,927
Forest origin.....	7,946	873,518,030	113,842	113,571,898	153,644,299	397,058,771
Mineral origin.....	3,556	1,271,242,338	150,694	169,962,858	395,976,386	809,059,506
Mixed origin.....	2,298	217,847,849	77,548	63,779,875	99,489,481	215,707,901
Central electric stations.....	1,043	1,430,852,166	14,974	21,829,491	Nil	124,463,613

Subsection 4.—The Forty Leading Manufacturing Industries.

A prominent feature of Canadian manufacturing development in recent years has been the growth of central electric stations and non-ferrous metal smelting. These industries, based upon water power and mineral resources, have taken their places among the leading manufactures along with the industries based upon forest, agricultural and live-stock resources.

In the following statement, the rank of the ten leading industries in 1934, from the standpoint of gross value of production, is compared with their respective ranks in representative years since 1922.

THE TEN LEADING INDUSTRIES, 1934, COMPARED AS TO RANK FOR REPRESENTATIVE YEARS 1922-33.

Industry.	Rank in—							
	1922.	1926.	1929.	1930.	1931.	1932.	1933.	1934.
Pulp and paper.....	2	1	1	1	1	1	1	1
Non-ferrous metal smelting and refining.....	38	10	10	10	4	6	3	2
Central electric stations.....	6	7	8	4	2	2	2	3
Slaughtering and meat packing....	3	3	2	2	3	3	4	4
Flour and feed mills.....	1	2	3	3	5	4	5	5
Butter and cheese.....	5	6	6	6	6	5	6	6
Petroleum products.....	10	12	11	11	8	7	7	7
Automobiles.....	7	5	4	9	14	11	12	8
Cotton yarn and cloth.....	8	9	14	23	22	16	9	9
Bread and other bakery products..	12	16	15	15	12	9	8	10

The incidence of the depression resulted in a re-arrangement in the rank of many industries which probably will prove temporary. The suspension of capital expenditures, a serious factor in the depression, greatly reduced the output of such important industries as: sawmills, electrical equipment, automobiles, railway rolling-stock, primary iron and steel, machinery, etc. On the other hand, the demand for goods for immediate consumption was more stable, including such industries as: petroleum products, bakeries, cotton yarn and cloth, printing and publishing, clothing, tobacco, beverages, etc. (See Tables 10 and 10A.)

10.—Principal Statistics of the Forty Leading Industries of Canada, Ranked According to Gross Value of the Products, 1933.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Value of Products.	
						Net. ¹	Gross.
	No.	\$	No.	\$	\$	\$	\$
1 Pulp and paper.....	95	559,265,544	24,037	26,591,049	47,632,521	56,880,641	123,415,492
2 Central electric sta- tions.....	1,041	1,386,532,055	14,717	21,431,877	—	115,663,653	117,532,081
3 Non-ferrous metal smelting.....	15	146,085,284	6,360	8,403,181	43,242,563	54,526,412	100,561,297
4 Slaughtering and meat packing.....	135	54,590,398	9,289	10,103,744	70,467,544	20,880,563	92,306,137
5 Flour and feed mills.....	1,328	59,054,505	5,470	5,108,137	63,297,848	18,743,792	83,322,099
6 Butter and cheese.....	2,693	57,349,628	13,145	12,541,035	54,482,522	24,401,130	80,395,887
7 Petroleum products.....	47	68,193,854	4,628	6,141,945	49,187,757	17,942,789	70,268,265
8 Bread and other bakery products.....	3,073	45,091,801	17,477	14,900,212	23,427,623	25,920,345	51,244,162
9 Cotton yarn and cloth.....	37	75,422,396	16,095	11,749,286	26,456,914	22,909,206	51,179,628
10 Printing and pub- lishing.....	768	58,234,531	15,964	21,479,504	9,791,079	40,324,050	50,811,968
11 Clothing, factory, women's.....	540	18,132,022	15,264	11,828,978	25,865,073	18,459,321	44,535,823
12 Automobiles.....	22	40,000,559	8,134	8,557,331	28,730,750	13,697,753	42,885,043
13 Rubber goods, in- cluding footwear.....	45	65,314,472	9,758	8,910,124	12,914,680	27,520,876	41,511,556
14 Hosiery and knitted goods.....	170	49,485,772	17,159	12,610,093	19,473,785	20,802,662	40,997,210
15 Sawmills.....	3,517	74,304,090	17,779	10,040,165	22,870,710	16,091,881	39,438,057
16 Sugar refineries.....	8	35,738,074	2,062	3,048,817	22,846,473	13,445,347	37,189,960
17 Electrical apparatus and supplies.....	174	80,844,131	11,767	12,428,430	14,504,269	21,656,665	37,012,509
18 Tobacco, cigars and cigarettes.....	127	50,218,586	8,241	6,752,159	17,074,715	15,668,626	36,784,662
19 Biscuits, confection- ery, cocoa, etc.....	236	41,410,901	9,891	8,114,234	15,725,517	18,787,951	35,176,094
20 Boots and shoes.....	205	22,963,783	14,526	10,509,461	16,347,068	15,687,771	32,291,092
21 Breweries.....	74	57,337,361	4,156	5,309,527	9,398,599	20,900,314	30,910,895
22 Fruit and vegetable preparations.....	273	37,286,824	6,530	3,842,575	16,461,755	13,058,922	29,081,400
23 Coke and gas pro- ducts.....	42	94,225,476	3,526	4,606,308	12,729,075	14,601,310	29,930,975
24 Railway rolling stock	37	86,509,047	16,172	14,584,021	13,574,592	14,562,448	29,672,265
25 Printing and book- binding.....	1,122	38,860,669	11,271	12,277,207	9,094,048	18,110,237	28,210,076
26 Clothing, factory, men's.....	163	14,951,100	7,969	6,547,993	15,643,813	10,865,941	26,622,089
27 Sheet metal products	172	53,851,889	6,000	6,033,783	13,828,178	11,681,897	25,963,828
28 Castings and forgings	327	72,810,073	11,111	9,816,895	8,053,094	15,013,528	24,197,347
29 Silk and artificial silk.....	29	30,192,870	7,801	6,138,532	7,795,542	14,244,512	22,754,969
30 Coffee, tea and spices	67	14,004,437	1,885	2,376,270	14,041,869	5,785,631	19,919,644
31 Furnishing goods, men's.....	163	14,280,349	8,189	4,884,635	10,784,900	8,204,138	19,082,571
32 Machinery.....	189	53,167,815	6,317	6,575,848	6,787,924	11,672,099	18,912,096
33 Primary iron and steel.....	50	96,444,846	5,200	6,049,189	7,508,931	8,193,781	18,492,549
34 Boxes and bags, paper.....	132	20,111,982	4,914	4,558,177	9,568,160	8,031,798	17,800,330
35 Fish curing and pack- ing.....	620	15,532,775	4,064	2,287,385	10,960,289	6,155,791	17,380,323
36 Medicinal and phar- maceutical prepara- tions.....	158	17,402,705	3,169	3,850,928	5,774,391	11,158,842	17,063,849
37 Leather tanneries.....	88	22,307,727	3,322	3,247,296	9,753,096	6,310,974	16,475,383
38 Woolen cloth.....	62	22,231,585	5,542	4,471,491	8,500,500	6,914,177	15,893,114
39 Dyeing, cleaning and laundry work.....	411	23,581,811	10,528	7,882,389	1,399,646	12,924,616	15,230,981
40 Furniture.....	383	27,089,361	7,722	5,656,006	5,267,902	9,336,068	15,016,942
Totals, Forty Lead- ing Industries.....	18,438	3,800,936,088	377,181	352,246,217	782,876,445	810,738,433	1,648,477,678
Totals, All Industries.....	25,232	4,639,373,704	493,903	465,562,090	969,188,574	1,048,259,450	2,086,847,847
Percentages of forty leading industries to all industries.....	74.7	81.1	76.4	75.7	80.8	77.3	79.0

¹See footnote to Table I.

10A.—Principal Statistics of the Forty Leading Industries of Canada, Ranked According to the Gross Value of the Products, 1934.

	Industry.	Estab-lish-ments.	Capital.	Em-ployees.	Salaries and Wages.	Cost of Materials.	Value of Products.	
		No.	\$	No.	\$	\$	Net. ¹	Gross.
1	Pulp and paper.....	95	554,973,891	26,993	33,307,043	53,426,534	77,253,752	152,647,750
2	Non-ferrous metal smelting and re-fining.....	15	146,047,422	8,298	11,059,206	78,325,552	68,045,975	149,936,239
3	Central electric sta-tions.....	1,043	1,430,852,166	14,974	21,829,491	—	122,461,993	124,463,613
4	Slaughtering and meat packing.....	147	56,765,624	10,119	11,608,338	98,417,162	22,538,798	122,112,406
5	Flour and feed mills.....	1,310	59,293,426	5,633	5,135,312	74,048,243	20,388,954	95,746,183
6	Butter and cheese.....	2,632	61,513,373	14,349	13,140,844	63,763,974	27,433,700	92,813,271
7	Petroleum products.....	51	67,021,041	4,957	6,379,226	56,069,015	16,243,964	76,337,513
8	Automobiles.....	21	34,520,438	9,674	12,938,933	52,693,074	22,873,504	76,133,448
9	Cotton yarn and cloth.....	36	75,889,237	18,106	13,768,278	33,132,480	26,195,001	61,306,490
10	Bread and other bakery products.....	3,173	44,196,221	18,562	15,794,117	26,681,559	28,061,330	57,295,522
11	Rubber goods, in-cluding footwear.....	51	66,047,471	11,079	10,858,637	18,439,498	35,508,456	55,230,381
12	Sawmills.....	3,572	71,649,186	22,605	14,118,200	29,487,086	24,771,033	54,819,071
13	Printing and publish-ing.....	790	50,316,901	16,353	21,975,805	10,182,077	41,794,493	52,681,607
14	Clothing, factory, women's.....	577	19,389,407	17,000	13,591,131	30,473,677	20,849,321	51,533,091
15	Electrical apparatus and supplies.....	174	77,980,366	13,657	15,220,022	21,308,006	27,940,277	50,234,811
16	Hosiery and knitted goods.....	167	49,440,669	17,978	13,565,616	21,831,064	22,376,782	44,957,047
17	Biscuits, confection-ery, cocoa, etc.....	237	40,476,440	10,304	8,862,934	18,257,191	21,107,957	40,076,917
18	Coke and gas prod-ucts.....	44	99,297,395	4,278	5,648,969	15,237,031	20,151,940	38,272,020
19	Tobacco, cigars and cigarettes.....	127	51,546,009	8,150	6,954,646	18,629,615	18,712,971	37,489,025
20	Breweries.....	73	58,747,130	4,286	5,592,389	11,612,712	24,065,865	36,355,198
21	Sugar refineries.....	8	33,151,249	2,080	2,919,662	24,099,994	11,004,144	36,007,208
22	Fruit and vegetable preparations.....	287	39,266,310	7,524	4,704,518	20,466,907	14,296,575	35,330,577
23	Castings and forgings.....	337	71,187,589	13,116	13,199,126	12,141,691	21,525,638	35,128,086
24	Railway rolling stock.....	37	82,897,836	16,095	16,312,271	16,756,285	16,068,706	34,352,911
25	Clothing, factory, men's.....	165	15,221,828	8,849	7,888,915	19,458,231	14,147,389	33,731,740
26	Boots and shoes, leather.....	211	22,709,588	14,868	10,571,099	17,021,115	15,000,740	32,305,637
27	Printing and book-binding.....	1,167	41,005,455	11,813	12,971,977	11,130,694	19,815,690	31,374,348
28	Sheet metal products.....	128	45,889,032	6,118	6,264,010	17,431,261	12,990,890	30,910,965
29	Primary iron and steel.....	51	90,079,004	7,400	9,009,512	12,673,398	12,458,929	29,101,463
30	Machinery.....	198	53,311,396	7,526	8,265,101	10,391,964	15,142,720	26,072,269
31	Silk and artificial silk.....	29	34,192,892	9,220	7,535,972	9,553,932	15,493,231	25,879,059
32	Automobile supplies.....	80	19,393,687	5,172	5,498,360	12,736,731	11,091,641	24,378,762
33	Fish canning and curing.....	665	17,372,799	4,663	2,870,119	15,567,160	8,166,192	24,056,927
34	Coffee, tea and spices.....	71	13,837,780	2,015	2,429,626	10,598,466	5,973,708	22,667,013
35	Furnishing goods, men's.....	172	14,620,159	8,673	5,348,808	12,859,747	8,724,705	21,712,148
36	Boxes and bags, paper.....	143	20,724,597	5,230	5,061,892	11,281,493	9,532,809	21,035,432
37	Medicinal and phar-maceutical prepar-ations.....	180	20,041,129	3,506	4,306,409	6,587,560	12,747,765	19,484,094
38	Brass and copper products.....	125	22,325,567	3,932	4,187,652	11,177,964	7,608,247	19,309,314
39	Paints, pigments and varnishes.....	79	22,816,098	2,859	3,925,538	7,949,941	10,393,863	18,618,371
40	Leather tanneries.....	90	21,352,180	3,580	3,463,301	11,002,236	6,439,263	17,909,074
Totals, Forty Lead-ing Industries.....		19,556	3,823,366,488	401,634	398,063,065	1,009,862,329	938,098,571	2,009,967,007
Totals, All Industries.....		25,643	4,703,917,730	545,162	533,594,635	1,230,977,653	1,222,913,899	2,533,758,954
Percentages of lead-ing industries to all industries.....		72.3	81.3	73.7	74.6	82.0	76.7	79.3

¹See footnote to Table 1.

Section 3.—Provincial Distribution of Manufacturing Production.

Ontario and Quebec are the most important manufacturing provinces of Canada. Their combined production in 1934 amounted to \$2,022,000,000 or nearly 80 p.c. of the gross value of manufactured products of the Dominion. Of this amount Ontario contributed \$1,255,000,000 and Quebec \$767,000,000. The proximity of Ontario to the coal-fields of Pennsylvania, the water-power resources of the two provinces and their nearness to the larger markets of Canada and the United States have all contributed to the above result. British Columbia had in 1934 the third largest gross manufacturing production, \$177,000,000, and Manitoba the fourth, \$105,000,000. Alberta, Nova Scotia, New Brunswick and Saskatchewan followed in the order named, with gross productions ranging from \$69,000,000 to \$42,000,000, succeeded by Prince Edward Island with \$3,300,000.

Subsection 1.—The Manufactures of the Maritime Provinces, 1934.

Table 11 gives the statistics of the leading industries of each of the Maritime Provinces for the year 1934. In Prince Edward Island, fish canning and curing, with a gross production of \$743,950, was foremost, followed by butter and cheese, slaughtering and meat packing, central electric stations, etc. Manufacturing in Nova Scotia and New Brunswick is, of course, to a considerable extent dominated by the steel and forest industries in the former and the forest industries in the latter, although there is a large sugar refinery in each province. The pulp and paper industry, with a gross value of production of \$13,365,952 in 1934, was the most important industry in New Brunswick, followed by sawmills with an output of \$3,850,865, central electric stations with an output of \$3,071,568, the coffee, tea and spice industry with an output of \$2,956,440, and fish canning and curing with a value of production of \$2,266,745. These five industries combined provided 47 p.c. of the gross manufacturing production of the province. In Nova Scotia, primary iron and steel, after a lapse of a few years, was again in first place. This industry was so severely affected by the depression that in 1933 it was only in fourth place. The increase in production was about 80 p.c. from \$3,763,242 in 1933 to \$6,701,638 in 1934. Other leading industries with their values of production were:—fish curing and packing, \$5,268,128; central electric stations, \$4,904,770; pulp and paper, \$4,296,428; sawmills, \$2,436,801; butter and cheese, \$2,187,609.

11.—Statistics of the Leading Industries of each of the Maritime Provinces, 1934.

NOTE.—Other leading industries, statistics of which cannot be given because there are fewer than three establishments in each industry, are: in Nova Scotia, petroleum products, sugar refineries, wire goods and coke and gas products; in New Brunswick, sugar refineries, cotton yarn and cloth, and railway rolling stock. The statistics for these industries are included in the item "all other leading industries".

PRINCE EDWARD ISLAND.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1 Fish curing and packing.....	98	201,100.	321	74,899	568,337	743,950
2 Butter and cheese.....	29	256,428	87	52,672	385,338	510,925
3 Slaughtering and meat packing...	3	97,464	45	34,892	224,451	309,365
4 Central electric stations.....	12	1,130,541	55	57,067	—	279,745
5 Flour and feed mills.....	13	66,654	15	7,157	136,310	189,433
6 Printing and publishing.....	4	258,231	98	77,712	21,261	158,905
7 Bread and other bakery products	13	112,300	51	33,687	75,587	138,001
8 Castings and forgings.....	3	360,441	54	41,775	29,445	121,164
9 Sawmills.....	54	137,329	86	18,579	60,963	108,534
Totals, Leading Industries.....	229	2,620,488	812	398,140	1,582,692	2,561,022
Totals, All Industries.....	273	3,517,088	1,093	600,216	1,921,421	3,302,586

11.—Statistics of the Leading Industries of each of the Maritime Provinces, 1934
—concluded.

NOVA SCOTIA.

Industry.	Estab-lish-ments.	Capital.	Em-ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1 Primary iron and steel.....	6	18,973,518	1,297	1,609,354	3,179,177	6,701,038
2 Fish curing and packing.....	184	2,905,941	1,645	896,815	3,469,009	5,268,128
3 Central electric stations.....	77	30,745,929	759	881,314	-	4,904,770
4 Pulp and paper.....	5	12,828,108	666	922,139	1,353,608	4,290,428
5 Sawmills.....	599	1,074,337	1,821	480,102	1,354,411	2,436,801
6 Butter and cheese.....	30	1,271,551	284	272,376	1,406,369	2,187,609
7 Hosiery and knitted goods.....	3	2,284,838	686	482,074	1,002,649	1,935,089
8 Biscuits, confectionery, cocoa and chocolate.....	8	2,088,898	644	509,949	760,902	1,790,755
9 Printing and publishing.....	32	2,279,197	633	778,468	278,261	1,728,545
10 Bread and other bakery products.....	74	706,149	343	248,827	622,402	1,215,484
11 Castings and forgings.....	14	2,474,432	465	441,556	400,753	1,099,527
12 All other leading industries ¹	5	17,764,503	1,144	1,345,429	9,107,522	14,666,856
Totals, Leading Industries.....	1,037	95,997,401	10,387	8,868,463	22,935,061	48,231,630
Totals, All Industries.....	1,386	119,064,747	15,941	12,491,325	28,197,123	60,844,581

NEW BRUNSWICK.

Industry.	Estab-lish-ments.	Capital.	Em-ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1 Pulp and paper.....	6	40,851,813	2,138	2,237,893	4,069,329	13,305,952
2 Sawmills.....	238	7,013,104	1,842	874,610	2,306,540	3,856,865
3 Central electric stations.....	39	31,597,403	448	466,605	-	3,071,568
4 Coffee, tea and spices.....	6	2,150,105	317	317,189	1,957,722	2,956,440
5 Fish canning and curing.....	150	2,079,069	676	254,129	1,428,548	2,200,745
6 Biscuits, confectionery, cocoa and chocolate.....	7	1,755,817	540	360,119	725,940	1,502,684
7 Butter and cheese.....	30	801,060	200	178,523	833,844	1,227,310
8 Bread and other bakery products.....	81	784,106	383	260,334	592,922	1,096,510
9 Slaughtering and meat packing.....	7	353,555	136	141,466	939,780	1,057,148
10 Castings and forgings.....	11	2,017,803	415	489,495	290,451	1,038,118
11 All other leading industries ¹	6	15,647,772	2,592	2,481,036	6,297,990	11,109,670
Totals, Leading Industries.....	581	105,056,607	9,687	8,061,399	19,432,167	42,549,010
Totals, All Industries.....	847	122,476,314	13,522	11,367,625	24,837,918	54,057,947

¹ See footnote to this table on p. 44.

Subsection 2.—The Manufactures of Quebec, 1934.

The pulp and paper mills of Quebec, the most important manufacturing unit of the province, produced goods with a selling value at the factory of \$74,407,960 in 1934. This exceeded by nearly \$28,000,000 the total values produced by central electric stations (\$46,818,247), the industry which ranked second in importance. This was followed by cotton yarn and cloth (\$42,463,877), non-ferrous metal smelting and refining (\$36,230,880), tobacco, cigars and cigarettes (\$31,995,548), women's factory clothing (\$30,868,071), butter and cheese (\$25,137,541), slaughtering and meat packing (\$22,618,696), petroleum products (\$21,664,598), men's factory clothing (\$20,835,234), etc. A change took place in the ranking of some of the more important industries of the province. Butter and cheese advanced from eleventh to seventh place and slaughtering and meat packing from ninth to eighth place, while leather boots and shoes dropped from eighth to eleventh place and petroleum products from seventh to ninth place.

The importance of the pulp and paper industry in Quebec is shown by a comparison with the industry throughout Canada. The Quebec section of the industry,

in addition to supplying about 10 p.c. of the total gross value of all products manufactured in the province, furnished 49 p.c. of the products of pulp and paper mills throughout the country. The gross value of cotton yarn and cloth products from Quebec mills formed 69 p.c., the value of railway rolling stock 45 p.c., the value of tobacco, cigars and cigarettes 85 p.c. and the value of boots and shoes 58 p.c. of the Dominion totals for these products. Thus, Quebec is an outstanding manufacturing province rather on account of her individual industries than because of the diversification of her industrial activity.

12.—Principal Statistics of the Forty Leading Industries of the Province of Quebec, 1934.

NOTE.—Statistics for sugar-refining, which is also one of the leading industries of this province, cannot be published, since there are less than three establishments reporting.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1 Pulp and paper.....	41	275,423,024	13,157	15,697,781	25,654,495	74,407,960
2 Central electric stations.....	133	647,879,999	3,432	4,902,004	—	46,818,247
3 Cotton yarn and cloth.....	16	51,489,212	11,812	8,845,145	24,163,616	42,463,877
4 Non-ferrous metal smelting and refining.....	4	27,050,482	1,226	1,536,332	21,500,709	36,230,880
5 Tobacco, cigars and cigarettes.....	72	43,839,419	6,709	5,084,786	16,075,329	31,995,548
6 Clothing, factory, women's.....	300	9,985,337	9,809	7,452,197	18,417,522	30,868,071
7 Butter and cheese.....	1,272	16,894,352	4,356	3,065,649	18,497,361	25,137,541
8 Slaughtering and meat-packing.....	37	8,069,108	1,802	1,920,567	18,503,689	22,618,086
9 Petroleum products.....	8	20,809,308	1,178	1,477,827	14,416,590	21,664,598
10 Clothing, factory, men's.....	113	8,624,873	4,496	3,760,678	12,568,846	20,835,234
11 Boots and shoes, leather.....	127	12,083,140	8,473	6,188,138	10,192,745	18,870,785
12 Silk and artificial silk.....	19	23,442,426	6,654	5,103,304	7,147,587	18,092,687
13 Railway rolling stock.....	11	35,683,853	7,003	7,172,102	7,827,156	15,303,461
14 Bread and other bakery products.....	1,010	12,490,210	5,212	4,055,185	7,384,374	15,162,637
15 Flour and feed mills.....	366	5,882,376	925	863,117	9,900,272	13,469,339
16 Breweries.....	8	18,084,555	1,505	2,027,390	4,861,713	12,998,942
17 Hosiery and knitted goods.....	53	13,283,434	5,269	3,623,831	6,197,967	12,589,655
18 Printing and publishing.....	69	14,256,012	4,058	5,130,658	2,428,759	12,350,667
19 Biscuits, confectionery, cocoa, etc.....	56	8,917,525	3,154	2,308,458	5,758,857	11,309,224
20 Rubber goods (including rubber footwear).....	11	10,051,827	2,793	2,249,585	3,099,337	10,272,613
21 Furnishing goods, men's.....	73	6,163,376	4,314	2,299,839	6,165,687	9,899,765
22 Electrical apparatus and supplies.....	24	18,941,439	3,239	4,218,447	4,050,245	9,800,455
23 Coke and gas products.....	5	13,142,716	847	1,265,168	3,057,490	9,733,107
24 Sheet metal products.....	23	10,175,149	1,756	1,708,678	4,669,699	8,554,171
25 Castings and forgings.....	76	20,010,991	2,841	2,739,874	2,933,063	8,093,725
26 Printing and bookbinding.....	339	11,058,513	3,293	3,230,275	2,651,079	7,747,708
27 Sawmills.....	1,313	9,326,108	4,284	1,583,087	3,612,884	7,143,396
28 Paints, pigments and varnishes.....	22	10,586,845	1,105	1,558,070	3,050,651	7,089,881
29 Brass and copper products.....	26	8,092,766	1,133	1,184,527	4,758,379	7,219,090
30 Machinery.....	32	14,996,665	2,370	2,504,076	2,783,431	6,527,220
31 Medicinal and pharmaceutical pre- parations.....	61	7,144,001	1,180	1,435,182	1,956,980	5,906,813
32 Coffee, tea and spices.....	17	2,748,534	466	582,226	4,421,689	5,857,504
33 Fur goods.....	126	4,752,442	1,315	1,263,862	3,808,989	5,817,709
34 Boxes and bags, paper.....	37	6,207,504	1,623	1,276,672	2,724,204	5,439,444
35 Explosives.....	4	4,086,267	951	964,003	1,723,954	3,347,106
36 Foods, miscellaneous.....	38	3,644,445	615	643,513	1,858,853	5,277,504
37 Aerated waters.....	118	4,912,125	956	989,712	1,310,981	5,268,504
38 Fruit and vegetable preparations.....	57	5,135,619	1,326	702,110	3,157,844	5,069,939
39 Miscellaneous textiles.....	7	9,329,559	932	1,113,627	2,171,071	5,007,630
40 Hats and caps.....	70	2,151,304	1,819	1,491,205	2,351,588	4,814,976
Totals, Forty Leading Industries.....	6,194	1,438,046,840	140,188	125,824,947	297,875,411	629,025,399
Totals, All Industries.....	8,168	1,678,486,302	181,546	161,197,908	357,751,720	766,495,000
Percentages of the forty leading industries to totals of all in- dustries in the province.....	75.83	85.66	77.22	78.06	83.26	82.06

Subsection 3.—The Manufactures of Ontario, 1934.

Ontario is the most important manufacturing province of the Dominion. The gross value of its manufactured products in 1934 represented about 50 p.c. of those of the whole Dominion, while those of Quebec, the second province in importance in this respect, amounted to about 30 p.c. This premier position in manufacturing has been fairly uniformly maintained by Ontario over a long period, as the following percentages show: in 1926, 52 p.c.; 1918, 53 p.c.; 1910, 50 p.c.; 1900, 50 p.c.; 1890, 51 p.c.; and 1880, 51 p.c. Thus, in spite of the rapid industrial development in recent years in other provinces such as Quebec, British Columbia and Manitoba, Ontario is maintaining a manufacturing production almost equal to that of the remainder of the Dominion.

The value of manufactured products totalled \$1,255,325,701 in 1934. In value of production, non-ferrous metal smelting heads the list with an output valued at \$85,989,197. Other leading industries in the order of their importance are: automobiles \$75,649,429, slaughtering and meat packing \$51,513,133, flour and feed mills \$50,659,130, pulp and paper \$47,298,680, rubber goods, including footwear \$44,937,204, central electric stations \$43,498,715, and butter and cheese \$40,905,534. Some significant changes took place in the ranking of some of the leading industries. Flour and feed mills dropped from first place in 1933 to fourth place in 1934, while non-ferrous metal smelting, automobiles and slaughtering and meat packing each advanced one step. It is particularly interesting to note that non-ferrous metal smelting was for the first time the dominant industry of the province, displacing that of automobiles which for a number of years prior to the depression was the leading industry.

The turning point of the depression was reached in the summer of 1933. The increases in the latter part of the year were not, however, sufficiently pronounced to offset the losses of the beginning of the year. The result was that the principal statistics for 1933 were the lowest since 1929. Considerable improvement was reported for 1934. Compared with the previous year, there was an increase of 10.1 p.c. in the number of employees, with an even greater increase in the amount paid out in salaries and wages, namely, 15.5 p.c. The increase in the value of production was 24.9 p.c. and in the value added by manufacture 20 p.c.

The depression was particularly hard on industries producing capital or durable goods, and these constitute an important factor in the manufactures of Ontario. Thus, production was disproportionately curtailed in such important industries of the province as automobiles, electrical equipment, machinery, agricultural implements, primary iron and steel, etc. This resulted not only in a drop in the rank of such industries within the province, but in a lowering of the manufacturing production of the whole province relatively to that of other provinces less affected by these influences. Some of these industries, particularly automobiles and primary iron and steel, have made a good recovery since 1933.

Indicating the greater diversification of industry in Ontario as compared with Quebec, the percentages which the forty leading industries bore to the total manufactures of the province were higher in nearly every particular in Quebec than in Ontario, especially in the capital employed and the number of establishments and employees. Outstanding among the industries in which the province of Ontario was pre-eminent, was that of automobile manufacturing, which was carried on practically in this province alone. Other important industries in which Ontario led, with the percentage which the production of each bore to that of the Dominion in 1934, were as follows:—agricultural implements 95 p.c.; leather tanneries, 88 p.c.;

rubber goods, 81 p.c.; furniture and upholstering, 61 p.c.; fruit and vegetable canning, preserving, etc., 69 p.c.; electrical apparatus and supplies, 79 p.c.; castings and forgings, 65 p.c.; primary iron and steel, 62 p.c.; slaughtering and meat packing, 42 p.c.; flour and feed mills, 53 p.c.; hosiery and knitted goods, 65 p.c.

13.—Principal Statistics of the Forty Leading Industries of the Province of Ontario, 1934.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials Used.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1 Non-ferrous metal smelting.....	7	72,454,601	3,575	5,369,120	42,910,590	85,989,197
2 Automobiles.....	15	33,623,984	9,486	12,662,606	52,527,948	75,649,429
3 Slaughtering and meat packing.....	61	26,564,664	3,972	4,863,543	41,220,345	51,513,133
4 Flour and feed mills.....	669	24,707,339	2,764	2,345,183	40,716,443	50,659,130
5 Pulp and paper.....	37	175,728,071	8,466	10,910,721	18,423,900	47,298,680
6 Rubber goods, including footwear.....	38	55,973,709	8,266	8,597,467	15,334,102	44,937,204
7 Central electric stations.....	450	493,414,290	6,686	10,562,823	-	43,498,715
8 Butter and cheese.....	987	27,257,387	6,580	6,273,091	27,209,160	40,005,534
9 Electrical apparatus and supplies.....	130	58,400,911	10,239	10,830,430	17,014,883	39,900,081
10 Hosiery and knitted goods.....	99	32,340,358	11,492	9,097,589	14,012,483	29,232,684
11 Bread and other bakery products.....	1,248	19,952,147	8,852	8,033,433	12,526,355	28,335,189
12 Printing and publishing.....	299	24,489,521	7,135	9,957,035	5,232,564	25,111,473
13 Fruit and vegetable preparations.....	152	28,355,456	4,605	2,985,063	13,780,617	24,493,163
14 Petroleum products.....	12	23,779,424	2,097	2,680,428	20,093,269	24,306,152
15 Automobile supplies.....	62	18,985,572	5,027	5,347,935	12,570,325	24,002,309
16 Castings and forgings.....	182	39,875,065	8,438	8,444,578	7,902,931	22,734,007
17 Coke and gas products.....	23	55,882,364	2,604	3,435,062	9,484,340	22,422,751
18 Biscuits, confectionery, cocoa and chocolate.....	94	24,261,072	5,003	4,930,422	9,428,546	21,918,534
19 Machinery.....	142	36,781,287	4,867	5,470,087	7,340,466	18,766,061
20 Clothing, factory, women's.....	241	8,577,151	6,515	5,493,714	10,473,966	18,208,209
21 Primary iron and steel.....	22	57,803,304	4,306	5,832,583	8,087,469	18,037,559
22 Printing and bookbinding.....	501	21,267,424	6,036	6,980,805	6,521,146	17,446,393
23 Sheet metal products.....	66	21,556,175	3,600	3,757,757	9,610,529	17,073,548
24 Leather tanneries.....	33	18,370,677	3,002	3,014,713	9,743,545	15,759,990
25 Cotton yarn and cloth.....	15	17,193,619	4,865	3,841,704	7,347,367	14,534,250
26 Breweries.....	30	19,780,594	1,522	1,912,345	3,936,359	13,494,858
27 Woolen cloth.....	40	15,593,157	4,431	3,681,286	7,166,959	13,327,514
28 Boxes and bags, paper.....	85	11,955,762	3,080	3,244,326	7,274,815	13,208,330
29 Boots and shoes, leather.....	66	8,850,259	4,843	4,008,428	6,094,106	12,152,952
30 Medicinal and pharmaceutical pre- parations.....	100	11,604,923	2,107	2,639,846	4,099,169	12,066,118
31 Clothing, factory, men's.....	39	6,091,948	3,945	3,844,154	6,188,380	11,866,558
32 Acids, alkalis and salts.....	10	26,528,580	1,318	1,687,622	2,566,153	11,236,025
33 Brass and copper products.....	81	12,752,840	2,392	2,597,236	6,035,541	10,974,073
34 Furniture.....	206	19,065,897	5,413	4,262,402	4,104,747	10,510,595
35 Soaps, washing compounds, etc.....	49	8,233,954	1,128	1,473,613	5,362,817	9,961,643
36 Sawmills.....	765	16,755,696	3,881	2,197,535	5,790,886	9,812,710
37 Paints and varnishes.....	40	7,783,518	1,320	1,800,173	3,750,704	9,315,679
38 Hardware and tools.....	93	17,087,423	3,196	3,212,162	2,885,853	8,902,957
39 Miscellaneous paper products.....	61	9,455,049	1,596	1,784,170	4,380,597	8,082,686
40 Foods, breakfast.....	13	5,070,210	582	685,273	2,824,999	8,547,618
Totals, Forty Leading Indus- tries.....	7,263	1,614,265,382	189,232	296,754,524	491,675,376	987,093,691
Totals, All Industries.....	19,322	2,063,721,375	259,621	270,834,102	610,185,807	1,255,325,701
Percentages of forty leading indus- tries to totals of all industries in the province.....	70-36	78-22	72-89	74-12	80-57	78-63

Subsection 4.—The Manufactures of the Prairie Provinces, 1934.

The slaughtering and meat packing industry in 1934 was outstanding among the manufactures of the Prairie Provinces when treated as a single unit. During 1934, as may be seen from Table 14, the gross value of production of this industry was \$38,973,433, (Manitoba \$19,736,903, Saskatchewan \$5,621,232 and Alberta

\$13,615,298). The second industry, from the point of view of gross value of production, was flour and feed mills with products valued at \$29,753,025, (Manitoba \$7,426,855, Saskatchewan \$11,794,973 and Alberta \$10,531,197). Butter and cheese comprised the third largest group, with an output valued at \$19,302,855, followed by petroleum products with \$15,688,582, central electric stations \$15,175,275 railway rolling stock \$10,894,945, etc.

The order of the leading industries is somewhat different in each province. In Manitoba, the leading industries with their gross value of products in 1934, were as follows:—slaughtering and meat packing \$19,736,903, railway rolling stock \$8,038,666, flour and feed mills \$7,426,855, butter and cheese \$7,076,644, and central electric stations \$6,378,674. In Saskatchewan, the leading industries were:—flour and feed mills \$11,794,973, petroleum products \$5,944,278, butter and cheese \$5,813,243, slaughtering and meat packing \$5,621,232, and central electric stations \$4,229,402. In Alberta, slaughtering and meat packing with an output of, \$13,615,298 was the leading industry. This was followed by flour and feed mills with \$10,531,197, petroleum products \$8,602,050, butter and cheese \$6,412,968, and central electric stations \$4,567,199.

The importance of these industries, based on such natural resources of the Prairie Provinces as grain-growing and cattle-raising areas, is evident.

14.—Principal Statistics of the Leading Industries of Manitoba, Saskatchewan and Alberta, 1934.

NOTE.—Other leading industries, statistics of which cannot be given because there are fewer than three establishments in each industry, are in Manitoba and Saskatchewan, non-ferrous metal smelting and refining and, in Alberta, sugar refining and wood preservation. The statistics of the two industries of Alberta are included under the heading "all other leading industries".

MANITOBA.

Industry.	Estab-lish-ments.	Capital.	Em-ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1 Slaughtering and meat packing....	8	7,181,831	1,498	1,735,489	15,494,122	19,736,903
2 Railway rolling stock.....	4	13,899,473	4,403	4,004,353	3,593,560	8,038,666
3 Flour and feed mills.....	42	7,026,199	526	479,758	5,878,547	7,426,855
4 Butter and cheese.....	75	5,101,465	1,009	1,274,668	4,444,454	7,076,644
5 Central electric stations.....	42	77,352,090	1,075	1,461,685	-	6,378,674
6 Printing and publishing.....	77	3,852,257	1,997	1,540,439	525,565	3,607,382
7 Bags, cotton and jute.....	5	1,821,062	230	270,332	2,260,878	2,928,992
8 Bread and other bakery products	154	2,886,089	997	836,014	1,377,935	2,880,211
9 Printing and bookbinding.....	85	3,721,407	1,111	1,265,526	982,950	2,868,252
10 Malt and malt products.....	5	4,131,719	110	178,887	1,715,292	2,656,221
11 Breweries.....	6	4,145,878	369	468,589	534,995	2,234,655
12 Coffee, tea and spices.....	8	1,508,225	168	190,911	1,573,367	2,230,093
13 Furnishing goods, men's.....	16	923,896	800	527,248	1,353,624	2,014,679
14 Biscuits, confectionery, cocoa and chocolate.....	21	2,168,263	502	380,778	809,527	1,774,113
15 Clothing, factory, women's.....	17	561,107	627	457,807	1,188,074	1,772,152
16 Medicinal and pharmaceutical preparations.....	7	1,074,311	138	138,348	471,783	1,297,107
17 Dyeing, cleaning and laundry work.....	22	1,720,513	820	626,711	124,124	1,286,084
18 Fur goods.....	27	895,625	313	271,523	722,596	1,173,773
19 Boxes and bags, paper.....	7	1,226,899	232	250,250	660,740	1,144,879
20 Petroleum products.....	3	464,835	46	61,156	818,278	1,142,254
21 Coke and gas products.....	3	5,568,010	159	196,750	449,187	1,132,998
Totals, Leading Industries.....	634	147,321,124	15,930	16,617,162	44,958,158	86,800,957
Totals, All Industries.....	1,077	183,837,703	21,723	22,620,990	54,719,469	105,358,000

14.—Principal Statistics of the Leading Industries of Manitoba, Saskatchewan and Alberta, 1934—concluded.

SASKATCHEWAN.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1 Flour and feed mills.....	84	13,008,182	501	617,738	8,168,204	11,794,973
2 Petroleum products.....	10	5,306,838	387	501,292	4,581,784	5,944,278
3 Butter and cheese.....	70	3,496,785	711	755,415	3,866,083	5,813,243
4 Slaughtering and meat packing...	6	2,560,242	551	585,019	4,803,468	5,621,232
5 Central electric stations.....	127	25,484,592	524	751,221	-	4,229,402
6 Printing and publishing.....	128	2,628,051	820	1,013,265	392,449	2,171,787
7 Bread and other bakery products.	159	2,041,970	583	429,695	808,033	1,622,100
8 Breweries.....	9	3,505,755	228	246,987	349,052	1,271,406
9 Dyeing, cleaning and laundry work	16	816,086	253	196,225	39,503	370,479
10 Sawmills.....	80	487,660	371	129,815	153,361	370,356
Totals, Leading Industries.....	689	59,336,161	5,019	5,226,672	23,161,937	39,209,156
Totals, All Industries.....	845	65,975,159	5,986	6,093,983	24,289,080	42,261,723

ALBERTA

1 Slaughtering and meat packing...	9	6,810,740	1,396	1,510,218	10,927,070	13,615,298
2 Flour and feed mills.....	89	7,807,585	682	721,688	7,745,027	10,531,197
3 Petroleum products.....	10	6,622,439	424	586,588	6,436,833	8,602,050
4 Butter and cheese.....	103	4,680,973	772	823,510	4,598,985	6,412,968
5 Central electric stations.....	80	27,102,474	625	852,052	-	4,567,199
6 Railway rolling stock.....	3	6,718,756	1,524	1,504,538	1,259,627	2,856,279
7 Breweries.....	5	5,786,500	218	346,845	762,232	2,824,208
8 Printing and publishing.....	84	3,043,662	787	1,068,189	433,244	2,334,869
9 Bread and other bakery products.	159	2,174,799	652	568,649	1,093,967	2,250,209
10 Sawmills.....	160	1,548,532	878	388,682	355,824	1,125,087
11 All other leading industries ¹	3	4,702,073	350	303,770	2,278,841	3,707,035
Totals, Leading Industries.....	705	76,998,593	8,308	8,674,729	35,891,654	58,826,399
Totals, All Industries.....	968	88,418,699	11,565	11,775,745	40,381,587	69,389,118

¹ See headnote to this table on page 49.

Subsection 5.—The Manufactures of British Columbia*, 1934.

British Columbia was, in 1934, the third most important manufacturing province in the Dominion, producing goods with a gross value of \$176,721,398. About 17 p.c. of this production, or \$29,404,759, is seen in Table 15 to be that of the sawmilling industry; the predominance of forest products industries in the industrial life of the province is still further emphasized if to this figure be added \$13,278,736, the value of production of the pulp and paper industry which ranks third. Second in importance among the industries of the province is that of fish curing and packing, with a gross value of production of \$15,078,813. This was followed by central electric stations with \$10,715,293, petroleum products \$8,249,971, slaughtering and meat packing, \$7,521,042, etc.

* Including the Yukon Territory.

15.—Principal Statistics of the Leading Industries of British Columbia and the Yukon Territory, 1934.

Industry.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
1 Sawmills.....	273	33,692,880	9,112	8,277,111	15,555,976	29,404,759
2 Fish curing and packing.....	99	11,717,485	1,624	1,533,943	9,587,865	15,078,813
3 Pulp and paper.....	6	50,142,875	2,566	3,538,509	3,925,204	13,278,736
4 Central electric stations.....	83	96,144,878	1,370	1,894,720	—	10,715,293
5 Petroleum products.....	6	5,673,903	397	562,431	5,790,434	8,249,971
6 Slaughtering and meat packing...	13	4,443,957	693	784,527	6,215,478	7,521,042
7 Bread and other bakery products..	275	3,048,451	1,489	1,328,293	2,198,984	4,595,181
8 Fruit and vegetable preparations..	40	4,212,846	1,078	765,069	2,918,395	4,471,583
9 Printing and publishing.....	73	4,123,312	1,355	1,936,163	743,004	4,318,524
10 Sheet metal products.....	14	10,469,384	368	435,857	2,608,239	4,108,025
11 Coffee, tea and spices.....	8	1,669,126	143	161,472	2,838,562	3,822,668
12 Butter and cheese.....	36	1,753,372	390	444,940	2,522,376	3,541,497
13 Breweries.....	11	6,225,410	300	423,275	839,292	2,669,423
14 Coke and gas products.....	6	14,793,170	331	382,636	659,499	2,228,386
15 Fertilizers.....	3	10,898,300	362	509,912	1,333,334	1,874,121
16 Dyeing, cleaning and laundry work.....	58	2,026,558	1,195	910,423	148,009	1,782,054
17 Printing and bookbinding.....	96	2,201,278	556	619,808	460,300	1,533,154
18 Boxes, wooden.....	20	1,241,350	621	475,711	681,445	1,477,950
19 Planing mills, sash and door factories.....	49	2,181,882	606	481,233	718,878	1,475,271
20 Castings and forgings.....	34	3,230,791	508	597,084	377,220	1,272,613
21 Furniture.....	49	1,334,502	481	397,191	466,937	1,189,165
22 Biscuits, confectionery, cocoa and chocolate.....	36	931,118	314	272,602	517,008	1,176,250
23 Shipbuilding and repairs.....	15	6,573,541	528	639,372	252,017	1,113,954
24 Acids, alkalies and salts.....	3	1,152,292	55	79,207	26,736	1,061,337
25 All other leading industries ¹	6	55,790,668	3,691	4,812,976	17,055,735	29,226,280
Totals, Leading Industries.....	1,312	335,673,329	36,131	32,263,865	78,440,927	157,186,656
Totals, All Industries.....	1,777	367,320,343	35,965	37,392,711	88,292,928	176,721,398
Percentages of leading industries to totals of all industries in the province.....	73.83	91.38	85.93	86.49	88.84	88.94

¹ Includes: distilleries, sugar refineries and non-ferrous metal smelting and refining.

Section 4. Principal Factors in Manufacturing Production.

Subsection 1.—Capital Employed.

In a retrospective study of capital employed in Canadian manufactures since 1900, the remarkable increase denotes rapid growth in industrial operations. From 1900 to 1905 the capital increased from \$446,900,000 to \$833,900,000, and advanced

to \$1,958,700,000 in 1915. During this period returns were received from establishments with 5 hands and over, and while the rise in wholesale prices did not exceed 37 p.c., the capital employed in manufactures increased nearly 340 p.c.

The capital investment in 1934 in all establishments, irrespective of the number of employees, was \$4,703,917,730 as compared with \$4,689,373,704 in 1933 and with \$2,696,154,030 in 1917, an increase of 75 p.c. in 17 years.

The provincial distribution of the manufactures of Canada may be illustrated by the investment of capital. Capital employed in Ontario in 1917 was 48.3 p.c. of the total, 52.4 p.c. in 1923 and 43.9 p.c. in 1934. The percentages employed in the plants of Quebec were: 29.4 in 1917, 29.5 in 1924 and 35.7 in 1934. British Columbia held third place in 1933 with a capital investment of 7.8 p.c. of the total, while Manitoba, Nova Scotia, New Brunswick, Alberta and Saskatchewan followed in the order named, with proportions varying between 3.9 p.c. and 1.4 p.c. (Table 16.)

From a survey of the industrial groups in which the capital of the country is invested, it appears that the central electric stations industry led again in 1934, with an investment of 30.4 p.c. of the total. The wood and paper group was second with 18.8 p.c., the iron and its products group third with 11.7 p.c. and the vegetable products group fourth with 10.8 p.c. Up to 1930, the wood and paper group had been first since 1919 in capital invested, but since 1931 the central electric stations group has assumed the premier position. (Table 16.)

The statistics of capital employed in the manufacturing industries are of interest in deducing the proportion of fixed and liquid assets. In 1923, land, buildings, machinery and tools constituted 64 p.c. of the total capital, while in 1929 the proportion had increased to 66 p.c. and in 1934 to 74 p.c. The fixed assets amounted to \$3,489,235,519 in 1934, while current assets, including inventories of raw materials and finished products, bills and accounts receivable, cash and sundries, were valued at \$1,214,682,211. Details by provinces and industrial groups are given in Table 17.

16.—Distribution of Capital Employed in the Manufacturing Industries of Canada, in Percentages, by Provinces and Industrial Groups, 1917-34.

Province or Group.	1917.	1920.	1922.	1923.	1926.	1928.	1929.	1930.	1931.	1932.	1933.	1934.
PROVINCE.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.
Prince Edward Island...	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Nova Scotia.....	4.8	4.2	3.3	3.3	3.0	2.9	2.7	2.6	2.6	2.7	2.6	2.5
New Brunswick.....	2.4	3.1	2.5	2.5	2.4	2.4	2.3	2.7	2.0	2.5	2.6	2.6
Quebec.....	29.4	30.5	29.9	29.8	30.6	33.1	32.9	33.2	33.5	34.4	35.2	35.7
Ontario.....	48.3	49.5	52.3	52.4	49.8	47.6	47.6	46.6	46.0	45.2	44.5	43.9
Manitoba.....	3.5	3.4	2.7	2.7	3.2	3.3	3.4	3.6	3.8	4.0	3.8	3.9
Saskatchewan.....	1.1	0.9	1.0	0.9	0.8	0.9	1.1	1.3	1.4	1.3	1.4	1.4
Alberta.....	2.3	1.8	1.7	1.8	1.8	2.0	2.1	2.1	2.2	2.1	2.1	2.1
British Columbia and Yukon.....	8.1	6.5	6.5	6.5	8.3	7.7	7.8	7.8	7.8	7.7	7.7	7.8
Totals.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
INDUSTRIAL GROUP.												
Vegetable products.....	10.2	11.7	11.5	11.4	11.3	11.1	11.2	10.9	11.0	10.9	10.9	10.8
Animal products.....	7.7	6.6	6.2	6.1	5.6	5.1	4.8	4.5	4.3	4.1	4.3	4.5
Textiles and textile products.....	7.3	9.0	8.3	8.4	8.0	7.7	7.5	7.1	7.3	6.8	6.9	7.0
Wood and paper.....	19.9	22.9	23.5	23.7	23.3	24.2	22.7	23.5	21.2	20.1	19.0	18.8
Iron and its products.....	23.5	19.1	16.2	16.3	15.0	14.7	14.8	14.6	13.6	12.8	12.4	11.7
Non-ferrous metals.....	2.6	3.3	3.1	3.2	5.1	5.3	5.9	6.2	6.4	5.7	5.7	5.6
Non-metallic minerals.....	5.6	6.5	7.4	7.2	6.6	6.3	6.5	6.5	6.6	6.6	6.6	6.5
Chemicals and allied products.....	6.5	3.6	3.6	3.8	3.3	3.1	3.3	3.2	3.3	3.4	3.3	3.3
Miscellaneous industries.....	3.5	4.0	2.7	2.7	2.8	2.5	2.5	1.6	1.5	1.4	1.4	1.4
Central electric stations.....	13.2	13.3	17.5	17.2	19.0	20.0	20.8	21.9	24.8	28.2	29.5	30.4

17.—Forms of Capital Employed in the Manufacturing Industries of Canada, by Provinces and by Groups of Industries, 1934 and Totals for Representative Years 1923-34.

Province or Group.	Estab- lish- ments.	Land, Buildings, Fixtures, Machinery and Tools.	Materials on Hand, Stocks in Process, Fuel and Miscel- laneous Supplies on Hand.	Inventory Value of Finished Products on Hand.	Operating Capital, Cash, Bills and Accounts Receivable, Prepaid Expenses, etc.	Total Capital.
	No.	\$	\$	\$	\$	\$
Totals, 1923.....	22,642	2,165,497,811	655,775,931	559,049,205	3,380,322,950	
Totals, 1924.....	22,178	2,310,298,012	677,468,191	551,347,257	3,538,813,460	
Totals, 1926.....	22,708	2,626,963,690	722,451,467	632,151,433	3,981,569,590	
Totals, 1927.....	22,936	2,866,366,199	773,824,436	697,140,923	4,337,631,558	
Totals, 1929.....	23,597	3,377,590,099	878,783,691	826,640,961	5,083,011,751	
Totals, 1930.....	24,020	3,581,341,721	848,927,120	770,011,916	5,203,316,760	
Totals, 1931.....	24,501	3,526,611,580	439,152,275	282,385,503	713,163,050	4,961,312,408
Totals, 1932.....	24,544	3,511,901,606	351,117,810	257,534,107	620,399,087	4,741,255,610
Totals, 1933.....	25,232	3,482,675,723	343,512,643	240,378,725	622,806,613	4,689,373,701
PROVINCE						
Prince Edward Island.....	273	2,474,750	300,132	160,327	572,870	3,517,088
Nova Scotia.....	1,386	89,127,012	9,590,258	5,089,473	15,258,004	119,064,747
New Brunswick.....	847	90,237,637	8,376,312	5,709,222	19,153,143	123,476,314
Quebec.....	8,168	4,320,070,198	118,128,763	58,098,638	182,188,703	1,678,486,302
Ontario.....	10,322	1,457,200,544	165,369,358	135,198,787	305,932,686	2,083,721,373
Manitoba.....	1,077	144,811,329	11,147,285	11,046,120	16,932,969	183,937,703
Saskatchewan.....	845	47,027,579	4,755,396	4,828,829	9,363,355	65,975,159
Alberta.....	968	73,282,212	7,095,652	7,755,207	9,385,028	98,418,699
British Columbia and Yukon	1,777	265,004,249	24,002,129	30,508,995	47,804,970	367,320,343
INDUSTRIAL GROUP.						
Vegetable products.....	5,656	265,162,752	76,156,865	63,615,831	101,778,917	506,714,365
Animal products.....	4,504	126,092,468	20,840,975	26,017,505	37,309,853	210,260,801
Textiles and textile products.....	2,234	187,486,124	47,739,573	26,440,910	66,696,209	329,362,816
Wood and paper products.....	8,075	681,118,101	60,443,743	29,900,399	113,041,430	884,503,673
Iron and its products.....	1,255	339,063,140	59,921,499	43,674,757	105,232,761	547,892,157
Non-ferrous metal products.....	488	100,158,906	27,542,931	30,182,045	45,003,997	203,488,479
Non-metallic mineral products.....	1,164	237,554,942	22,474,298	23,184,477	24,124,762	307,338,479
Chemicals and chemical products.....	736	88,791,836	17,469,764	12,615,182	37,911,036	156,788,418
Miscellaneous industries.....	508	44,859,214	7,590,748	2,772,892	12,493,522	67,710,376
Central electric stations.....	1,043	1,358,948,036	9,484,889	-	62,419,241	1,430,852,166
Totals, 1934.....	25,663	3,489,235,519	349,665,265	258,404,598	606,612,325	4,703,917,730

Subsection 2.—Employment in Manufactures.

The total number of persons engaged in those manufacturing industries of Canada for which statistics were obtained in 1934 was in that year 545,162, as compared with 493,903 in the same industries in 1933 and 694,434 in 1929. The 1934 employees included 99,730 salaried employees, this figure being obtained from the manufacturers at the end of the year, and 445,432 wage-earners, the average number employed as derived from the manufacturers' records of the numbers on the pay-rolls on the 15th of each of the twelve months. Prior to 1925, the number of wage-earners was computed as the sum of the number recorded each month divided by 12 whether the establishment was operating the 12 months or not. Beginning with the statistics for 1925, in seasonal industries which are in operation only a limited number of months in each year, such as sawmilling, fruit and vegetable canning, etc., the average was computed by dividing the sum of the wage-earners reported on the 15th of each month by the number of months in operation. This change of method increased the apparent number of employees, not only in seasonal industries

but also in the groups containing such seasonal industries and in provincial and Dominion totals. Consequently, the change of method exerted a reducing influence on apparent average wages and on all other averages per wage-earner and per employee. In 1931, however, the old method of computing the average number of wage-earners was again adopted. A change was also made in the compilation of the number of salaried employees. Prior to 1931, owners who were working as ordinary wage-earners, such as small bakers, reported themselves as wage-earners. In 1931, however, all such owners were required to report themselves as salaried employees. In 1931, also, travelling salesmen who were attached to the plant and devoted all or the greater part of their time in selling the products of that plant were included with salaried employees. Prior to this they were not reported at all. These changes, therefore, explain the apparent increase in the number of salaried employees in 1931 as compared with the previous year; actually there was a decrease, this apparent increase being attributable in part to a decrease in the number of wage-earners.

The number of salaried employees and of wage-earners, as thus ascertained, is given for each of the years since 1917, the year of the first annual census of manufacturing production, in Table 18. Then, taking the percentages of the wage-earners and the total employees in each year to those of 1917, and dividing these percentages into the volume of manufacturing production in each year (see p. 17 for the index of volume), the quotients give tentative conclusions regarding the efficiency of production per wage-earner and per employee in years subsequent to 1917, as compared with that year. Since central electric stations were excluded in computing the index of the volume of production, employees in these establishments have been excluded also in computing the percentages relative to 1917 for both wage-earners and total employees, and consequently from the indexes of efficiency of production. These indexes of the efficiency of production are, of course, affected by the changes in the method of computing the number of employees adopted in 1925 and then again in 1931. Inasmuch as the change increased the apparent number of employees between 1925 and 1930, it proportionately decreased the index of the efficiency of production. The table illustrates the development of modern industry which has accomplished a large increase in production with a comparatively small increase in wage-earners, by better organization and the use of improved equipment. Capital invested in manufacturing industries, exclusive of central electric stations, has increased by 40.0 p.c., from 1917 to 1934, compared with a decrease of 20.2 p.c. in wage-earners, while the horse power used per wage-earner has increased from about 3 in 1917 to 10 in 1934. The factor of better organization is not susceptible of measurement. However, salaried employees have increased by 42.9 p.c. since 1917, or more nearly in proportion to the growth in production than wage-earners. The result of these developments has been the increase of 55.0 p.c. in the volume of production per wage-earner and a smaller increase of 43.0 p.c. per employee, owing to the increased proportion of salaried employees in the total. The indexes may be considered as supplying satisfactory evidence of a general gain in volume of production per person employed. In this connection it should be remembered, however, that in 1917, owing to the large numbers overseas, many persons of low efficiency were being employed, their inefficiency being concealed at the time by the prevailing inflation of prices; it is possible that the sudden rise in the indexes of efficiency in 1921 and 1922 may be partly accounted for by their elimination in the contraction of industrial operations which occurred at that time. During the recent depression years the reduced volume of production lowered the indexes of efficiency.

Statistics of employment in manufacturing industries during 1934, derived from the Census of Manufactures, are shown in Table 7 (pp. 28 to 33). According to these statistics, the 25,663 establishments covered employed 99,730 salaried employees and 445,432 wage-earners, a total of 545,162 persons. Out of every 1,000 persons employed in manufacturing, 224 were classed as salary earners and 776 as wage-earners; the former earned 30.0 p.c. and the latter 70.0 p.c. of the total amount paid out as remuneration for services.

18.—Salaried Employees and Wage-Earners in the Manufacturing Industries of Canada, with Volume of Manufacturing Production and Comparative Efficiency of Production, 1917-34.

NOTE.—Employees of central electric stations are excluded in this table since factors of production and efficiency for that industry are not representative and would vitiate the result.

Year.	Salaried Employees.	Wage-Earners.	Total Employees.	Percentage relative to 1917		Index Number of Volume of Mfd. Products.	Indexes of Efficiency of Production.	
				Of Wage-earners.	Of Total Employees.		Per Wage-earner.	Per Employee.
	No.	No.	No.	p.c.	p.c.			
1917.....	65,380	547,467	612,847	100.0	100.0	100.0	100.0	100.0
1918.....	66,733	541,931	608,664	99.0	99.3	102.0	103.0	103.2
1919.....	77,125	524,122	601,247	95.7	98.1	98.1	102.5	100.0
1920.....	78,334	520,559	598,893	95.1	97.7	95.0	99.9	97.2
1921.....	70,253	375,109	445,362	68.5	72.6	86.1	125.6	118.6
1922.....	71,586	392,160	463,746	71.6	75.6	96.0	134.1	127.0
1923.....	73,374	440,798	514,172	80.5	83.9	104.8	130.2	124.9
1924.....	70,671	425,004	495,675	77.6	80.8	102.9	132.7	127.3
1925.....	71,897	459,065	530,962	83.8	86.6	112.7	134.5	130.1
1926.....	75,990	492,143	568,133	89.9	92.7	128.1	142.5	138.2
1927.....	79,474	524,751	604,225	95.8	98.6	136.5	142.5	138.5
1928.....	85,029	557,139	642,168	101.7	104.7	148.8	146.3	142.0
1929.....	89,793	588,477	678,270	107.5	110.6	157.5	146.6	142.4
1930.....	85,778	540,803	626,581	98.8	102.2	142.8	144.5	139.7
1931.....	92,780	447,632	540,412	81.7	88.2	124.1	151.9	140.7
1932.....	88,434	391,569	480,003	71.5	78.3	105.0	146.9	134.1
1933.....	87,985	391,201	479,186	71.4	78.2	105.1	147.2	134.4
1934.....	93,442	436,746	530,188	79.8	86.5	123.7	155.0	143.0

Distribution of Employees in 1934.—An analysis of the returns by provinces shows that 50,718 or 50.9 p.c. of all the employees on salaries were employed in Ontario; of this number 38,239 were males and 12,479 were females. The province of Quebec with 29,044 persons or 29.1 p.c. of the total, recorded the second largest number of salaried workers; of these 23,214 were males and 5,830 females. British Columbia ranked third with 6,037 or 6.1 p.c. of the total salaried employees.

Of the wage-earners employed numbering 445,432, 46.9 p.c. were employed in Ontario, 34.3 p.c. in Quebec and 6.5 p.c. in British Columbia. It is interesting to note that out of every 1,000 salaried employees 221 were females, while in the case of wage-earners 239 out of every 1,000 were females.

The wood and paper industries, with 23,912 salaried employees, reported a larger number than any other group, having 24.0 p.c. of the total. The vegetable products group came next with 15,425 salaried employees or 15.5 p.c. of the total. The textile industries gave employment to a proportionately greater number of female salaried employees than any other group. Out of every 1,000 salaried employees in this group 320 were females, as compared with only 207 for all the other groups.

In the number of wage-earners employed, the textile industries came first with 103,404 or 23.2 p.c. of the total. This was followed by the wood and paper products group, with 92,779 wage-earners or 20.8 p.c. of the total. It is also of interest to

note that out of every 1,000 wage-earners in the textile industries 554 were females, while in all the other groups 144 were females. The importance of the textile industries in providing employment to females is strikingly illustrated by the fact that out of all female employees engaged in the manufacturing industries of Canada, 47.6 p.c. were found in the textile group.

19.—Percentages of Male and Female Employees on Salaries and Wages and Percentages of Total Salaries and Wages, by Provinces and Groups of Industries, 1931

NOTE.—For actual figures upon which this table is based, see Table 22.

Province or Group.	Employees on Salaries.			Salaries.	Employees on Wages.			Wages.
	Male.	Female.	Total.		Male.	Female.	Total.	
PROVINCE.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.
Prince Edward Island.....	-3	-2	-3	-2	-2	-2	-1	-1
Nova Scotia.....	2.4	2.1	2.3	1.8	3.1	2.1	2.6	2.5
New Brunswick.....	2.2	1.9	2.1	2.0	2.8	1.8	2.7	2.2
Quebec.....	30.0	26.5	29.1	29.3	31.5	42.8	34.3	30.6
Ontario.....	49.2	56.7	50.9	52.6	47.2	45.8	46.0	49.9
Manitoba.....	4.5	4.1	4.5	4.2	4.2	3.0	3.0	4.1
Saskatchewan.....	2.2	1.4	2.0	1.6	1.0	-3	-0	1.0
Alberta.....	2.9	2.1	2.7	2.4	2.3	1.0	1.9	2.1
British Columbia and Yukon	6.3	5.0	6.1	5.9	7.7	3.0	6.5	7.5
Totals.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
INDUSTRIAL GROUP.								
Vegetable products.....	15.8	14.2	15.5	14.8	12.6	18.1	13.9	12.7
Animal products.....	11.2	8.9	10.7	8.9	10.8	9.4	10.4	9.6
Textiles and textile products	10.7	17.9	12.3	12.6	13.6	53.8	23.2	18.9
Wood and paper products.....	24.8	21.3	24.0	23.0	24.7	8.4	20.8	21.6
Iron and its products.....	12.6	11.5	12.3	13.7	19.7	2.4	15.7	18.0
Non-ferrous metal products.....	6.1	6.9	6.3	7.0	6.0	3.2	5.4	6.4
Non-metallic mineral products.....	4.5	3.7	4.3	4.4	5.1	-5	4.0	4.8
Chemicals and allied products.....	5.6	6.8	5.8	6.6	2.6	2.4	2.5	2.8
Miscellaneous industries.....	2.4	2.6	2.5	2.5	2.3	1.8	2.2	2.2
Central electric stations.....	6.3	6.2	6.3	6.5	2.6	-	1.9	3.0

Monthly Record of Employment in Manufactures.—A monthly record of the number of wage-earners employed in Canadian manufactures, as compiled from the Census of Industry, is given in Table 20 for representative years 1922 to 1934 and by sex for certain of the years. Ordinarily, manufacturing employment in Canada reaches its highest point during the summer months. Some of the seasonal industries, such as canning, are most active then, textile industries are preparing winter goods and industry generally feels the active demand of the agricultural purchasing power resulting from the prospects of the season's harvest. In 1929, however, the rising tide of "good times" was checked about midsummer and then the recession set in during the autumn with the stock market crash. Employment during 1930, 1931, 1932 and the first half of 1933 declined steadily, the monthly employment figures in each case being lower than the corresponding month of the previous year. The peak of employment was reached in June, 1929, when 596,544 wage-earners were on the payrolls. This compares with the peak month in 1930 of 556,386 wage-earners, 484,661 in 1931, 417,685 in 1932, 429,018 in 1933 and 462,444 in 1934. In July, 1933, employment took an upward swing; for the first time since 1929 the number of wage-earners on the payroll was higher than the corresponding month of the previous year. The improvement has been generally maintained since then.

20.—Total Number of Wage-Earners Employed in the Manufacturing Industries of Canada, by Months and by Sex, for Representative Years 1922-31.

TOTAL WAGE-EARNERS.

Month.	1922.	1926.	1928.	1929.	1930.	1931.	1932.	1933.	1934.
January.....	330,487	432,139	473,152	521,227	510,061	442,547	390,249	356,792	393,819
February.....	342,959	445,179	490,311	537,816	517,562	455,811	400,680	363,902	410,610
March.....	355,340	459,554	506,230	555,908	527,966	468,222	408,353	372,782	424,270
April.....	366,478	473,088	522,566	575,289	537,110	476,132	409,860	376,120	435,534
May.....	389,734	494,156	549,212	594,969	556,386	484,661	417,685	393,294	458,032
June.....	400,165	507,889	560,866	596,544	552,166	476,692	414,536	410,193	462,444
July.....	397,416	510,887	562,371	594,879	539,354	403,694	397,372	411,658	451,101
August.....	395,741	505,917	567,799	588,509	529,403	456,783	394,277	420,431	454,070
September.....	398,653	506,917	568,652	586,439	530,130	460,081	401,534	429,018	469,341
October.....	391,492	503,679	562,687	574,566	512,215	434,556	396,253	423,547	453,278
November.....	385,222	484,400	544,213	547,697	486,926	430,618	385,460	413,664	442,625
December.....	373,954	465,248	524,448	519,331	464,086	417,367	364,216	397,408	426,553

WAGE-EARNERS BY SEX.

Month.	1922.		1929.		1932.		1933.		1934.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
January.....	249,912	80,575	409,663	111,564	296,901	93,348	268,855	87,937	298,816	95,003
February.....	259,408	83,551	422,912	114,904	303,218	97,462	271,534	82,368	309,556	101,054
March.....	270,070	85,261	439,106	116,802	309,394	98,959	278,779	94,003	320,719	103,551
April.....	281,051	85,427	456,326	118,943	309,934	99,026	283,088	93,032	331,049	104,485
May.....	300,325	88,409	473,017	121,952	315,295	102,389	297,715	97,579	348,399	109,633
June.....	310,625	89,510	474,157	122,387	313,515	101,021	309,263	100,932	353,075	109,369
July.....	310,250	87,166	473,261	121,618	303,392	93,980	312,835	98,823	348,215	102,886
August.....	307,464	88,277	464,087	124,422	297,048	97,229	315,461	104,970	345,834	108,242
September.....	305,148	83,505	455,918	130,521	296,691	104,843	317,299	111,719	343,155	110,186
October.....	298,203	83,289	446,752	127,814	293,703	102,550	313,541	110,006	340,235	112,993
November.....	292,741	82,481	425,729	121,988	285,542	99,918	306,768	106,896	333,780	108,845
December.....	284,084	89,870	404,700	114,631	271,904	92,312	297,088	100,320	323,423	103,130

Hours Worked by Wage-Earners.—The wage-earners working specified numbers of hours in the month of highest employment in 1934 is shown in Table 21 by provinces, groups and the forty leading industries. An explanation should be made of the term "month of highest employment" as used in connection with this table. Each firm is required to report the number of hours per week worked by its wage-earners during the month in which the greatest number were employed. It therefore happens that, in the case of one firm, the month of highest employment might be May, while in that of another firm October might be the month of highest employment. The month of highest employment as shown in the following table, therefore, does not refer to any particular month but represents the summation of the different months of highest employment as reported by all firms. For a given industry, however, the month of highest employment is of more significance, as in this case it coincides for a great number of the firms engaged in the same industry. For Canada as a whole, 54 p.c. of the wage-earners in 1933 worked 48 hours or less, 14 p.c. worked between 49 and 50 hours and 32 p.c. worked over 50 hours per week. Average hours worked per week may also be worked out for the provinces, industrial groups and the forty leading industries from the figures shown in the table following.

21.—Wage-Earners Working Specified Numbers of Hours in the Month of Highest Employment in 1934, by Provinces, Groups and the Forty Leading Industries.

NOTE.—These are the regular hours worked per week and do not, therefore, include overtime.

Province or Group.	40 hours or less.	41-43 hours.	44 hours.	45-47 hours.	48 hours.	49-50 hours.	51-53 hours.	54 hours.	55 hours.	56-59 hours.	60 hours.	Over 60 hours.
PROVINCE.												
Prince Edward Island.....	230	22	125	15	469	127	34	144	17	141	814	3
Nova Scotia.....	1,665	67	868	539	2,374	1,479	564	2,179	1,140	2,246	4,905	298
New Brunswick.....	2,056	224	436	787	2,639	2,213	482	1,776	176	1,566	3,633	431
Quebec.....	18,745	3,214	10,976	12,363	28,032	24,093	6,461	5,983	33,182	6,499	20,692	5,512
Ontario.....	36,037	5,757	38,895	22,223	42,940	44,061	8,763	10,753	12,631	10,575	16,741	7,746
Manitoba.....	5,285	252	5,085	1,540	2,568	1,511	346	911	283	610	1,112	143
Saskatchewan.....	967	78	591	90	1,150	326	95	417	44	309	1,016	129
Alberta.....	2,531	279	1,431	364	2,673	413	160	835	122	172	1,557	125
British Columbia and Yukon.....	6,711	583	6,430	1,709	18,300	543	222	2,494	90	597	748	410
Totals¹.....	73,927	10,476	70,837	39,630	101,145	75,366	17,127	25,492	47,685	22,715	51,218	14,797
INDUSTRIAL GROUP.												
Vegetable products.....	12,143	2,583	6,841	8,384	11,144	11,068	3,569	8,054	3,915	3,602	10,219	5,269
Animal products.....	2,368	788	5,254	2,987	8,084	8,504	1,796	3,710	6,113	2,080	4,309	1,211
Textiles and textile products.....	5,475	1,571	23,787	9,456	12,073	26,583	5,934	1,793	26,423	2,432	2,898	1,089
Wood and paper products.....	8,390	1,966	13,484	5,373	40,941	7,792	1,759	5,383	4,252	5,809	27,205	3,297
Iron and its products.....	28,391	921	9,119	4,997	11,951	12,182	1,850	2,024	4,929	2,930	2,777	1,735
Non-ferrous metal products.....	6,665	293	3,754	4,150	5,024	2,358	954	576	579	2,824	349	324
Non-metallic mineral products.....	5,299	1,064	1,855	1,222	4,219	1,465	324	1,792	691	1,704	1,819	937
Chemicals and chemical products.....	2,095	658	2,666	1,412	2,267	2,014	306	648	257	440	272	446
Miscellaneous industries.....	1,320	222	3,290	1,440	1,941	2,290	448	1,090	506	198	383	246
Central electric stations.....	1,781	110	787	209	3,501	1,110	187	422	110	696	987	243

¹ Exclusive of Dairy Factories.

**21.—Wage-Earners Working Specified Numbers of Hours in the Month of Highest Employment in 1931, by Provinces,
Groups and the Forty Leading Industries—concluded.**

	Industry.	40 hours or less.	41-43 hours.	44 hours.	45-47 hours.	48 hours.	49-50 hours.	51-53 hours.	54 hours.	55 hours.	56-59 hours.	60 hours.	Over 60 hours.
1	Pulp and paper.....	2,433	678	628	466	14,750	960	954	1,365	335	1,188	1,469	2,091
2	Non-ferrous metal smelting.....	2,685	21	226	-	1,685	36	536	257	-	2,643	126	46
3	Central electric stations.....	1,781	110	787	209	3,501	1,110	187	422	110	696	987	243
4	Slaughtering and meat packing.....	527	327	247	410	1,904	1,689	538	831	857	578	336	396
5	Flour and feed mills.....	272	20	160	37	905	78	31	532	329	215	1,401	270
6	Butter and cheese.....	-	-	-	-	-	-	-	-	-	-	-	-
7	Petroleum products.....	3,657	169	28	4	375	125	31	44	8	208	55	36
8	Automobiles.....	5,190	2	826	163	3,870	8	3	1	175	20	-	29
9	Cotton yarn and cloth.....	313	330	-	12	97	3,683	234	10	12,846	90	1,569	38
10	Bread and other bakery products.....	701	142	614	198	3,460	1,197	925	4,777	447	1,006	3,028	196
11	Rubber goods, including footwear.....	1,954	356	390	1,667	1,205	1,915	832	297	314	1,050	240	652
12	Sawmills.....	562	79	554	148	10,076	686	118	2,169	464	2,532	21,905	306
13	Printing and publishing.....	1,095	510	1,906	1,356	3,693	319	189	124	28	65	51	17
14	Clothing, factory, women's.....	443	151	8,468	2,191	5,399	2,343	207	110	62	39	29	19
15	Electrical apparatus and supplies.....	2,174	206	2,062	3,226	2,644	916	118	203	238	107	167	117
16	Hosiery and knitted goods.....	400	110	1,339	2,563	727	8,379	1,182	168	3,455	80	30	57
17	Biscuits, confectionery, cocoa, etc.....	510	292	984	1,743	1,324	2,353	474	588	1,092	136	100	228
18	Coke and gas products.....	273	54	254	774	918	17	11	171	10	547	176	188
19	Tobacco, cigars and cigarettes.....	1,443	936	1,054	857	498	1,738	250	18	119	66	23	43
20	Breweries.....	338	22	553	61	476	946	140	126	277	164	408	295
21	Sugar refineries.....	336	3	1	4	390	5	16	369	13	687	4,356	1,628
22	Fruit and vegetable preparations.....	4,824	604	805	2,120	916	1,977	752	923	726	687	734	484
23	Castings and forgings.....	2,913	218	1,817	1,470	1,262	1,768	485	982	1,212	223	16	46
24	Railway rolling stock.....	13,455	206	250	480	558	251	76	18	80	445	9	-
25	Clothing, factory, men's.....	372	94	5,373	225	3,223	894	151	81	593	4	389	326
26	Boots and shoes, leather.....	566	277	1,296	1,643	2,009	3,873	536	445	3,883	653	8	22
27	Printing and bookbinding.....	843	215	3,386	636	4,466	266	33	24	167	7	92	83
28	Sheet metal products.....	578	100	1,529	599	653	1,014	102	86	797	172	22	83
29	Primary iron and steel.....	1,099	30	135	114	2,341	498	220	452	815	862	1,351	398
30	Machinery.....	878	74	1,263	221	739	2,918	160	205	159	186	135	58
31	Silk and artificial silk.....	118	63	36	181	1,240	1,458	1,474	128	2,732	1,260	222	238
32	Automobile supplies.....	871	81	910	855	156	1,467	496	132	194	534	276	173
33	Fish curing and packing.....	970	34	149	60	2,447	315	12	1,252	71	456	3,349	353
34	Coffee, tea and spices.....	93	-	353	388	279	167	12	-	25	12	-	1
35	Furnishing goods, men's.....	1,108	59	2,480	1,829	744	698	144	358	720	197	458	4
36	Boxes and bags, paper.....	199	20	724	786	1,563	1,467	33	70	200	13	14	75
37	Medicinal and pharmaceutical preparations.....	347	152	566	644	178	235	88	27	11	11	13	22
38	Brass and copper products.....	1,573	54	519	325	149	447	153	41	91	17	10	125
39	Paints, pigments and varnishes.....	135	4	416	277	209	596	50	7	36	53	11	103
40	Leather tanneries.....	35	54	508	125	38	1,231	80	568	745	181	45	62
Totals, Forty Leading Industries.....		58,064	6,857	43,626	29,967	78,167	50,043	12,049	18,361	34,426	17,451	43,680	11,061
Totals, All Industries.....		73,927	10,476	70,837	39,639	101,145	75,366	17,127	25,492	47,685	22,715	51,218	14,797

¹ Not available.

HOURS WORKED BY WAGE-EARNERS

Subsection 3.—Wages and Salaries in Canadian Manufacturing Industries, 1934.

The total salaries and wages disbursed by manufacturers in 1934 was \$533,594,635 paid to 545,162 workers, compared with \$813,049,842 paid to 694,434 persons in 1929 and \$509,382,027 paid to 621,694 persons in 1917. Of the 1934 aggregate, \$160,986,876 or 30 p.c. was paid to 99,730 salaried employees who constituted 18 p.c. of the total number, and \$372,607,759 or 70 p.c. was paid in wages to 445,432 wage-earners, who formed 82 p.c. of the aggregate number of employees.

The average salary paid in the manufacturing industries during 1934 was \$1,614, compared with \$1,982 in 1930 and \$1,299 in 1917, while the average wage in 1934 was \$837, compared with \$785 in 1933, \$1,045 in 1929 and \$760 in 1917. Thus, during the seventeen years since 1917, average salaries have increased by 24 p.c., while average wages have increased by only 10 p.c. (See Table 22.)

Average Earnings, by Provinces and Industrial Groups.—In 1934, Ontario showed the highest average salary of \$1,672, followed by Quebec with \$1,624, British Columbia, with \$1,574, and Manitoba with \$1,532. The head offices of many large corporations being located in Montreal, Toronto, Vancouver and Winnipeg tend to raise the average salaries in these provinces. In the other Prairie Provinces the averages were smaller, especially in Saskatchewan, while in the Maritime Provinces the average salaries were still lower, there being comparatively few large executive offices in these provinces.

British Columbia, with an average wage of \$958, was the highest in the Dominion in 1934, being \$121 higher than the general average. In the western provinces average wages are usually higher, this being due to an unusually small proportion of women workers, while many of the male employees were engaged in the better-paid wood and paper, electric light and power industries. In the four provinces situated to the east, average wages in manufacturing were lower than the mean for the Dominion, while from Ontario westward the opposite was the case. The seasonal nature of some of the leading industries, notably fish-preserving and lumbering, tends to reduce the mean wage in the Maritime Provinces and Quebec, while, in addition to this, Quebec also has a larger proportion of female wage-earners, employed chiefly in the textile, food and tobacco industries, than any other province, except Prince Edward Island.

The highest average salary, *viz.*, \$1,874, was reported by the non-ferrous metal products group, while the animal products group, with an average salary of \$1,350 in 1934 was the lowest. In wages paid, central electric stations came first with an average of \$1,312, there being no female wage-earners in this industry. The textile industries, on the other hand, had the lowest average wage of \$682, this being due to the fact that in this group more than 55 p.c. of the wage-earners were females. As was stated elsewhere in this report, of all the female wage-earners employed in the manufacturing industries of Canada, nearly 48 p.c. found employment in the textile industries.

22.—Employees on Salaries and Wages in the Manufacturing Industries, 1934, and Average Salaries and Wages, 1933 and 1934, by Provinces and Groups.

Province or Group.	Employees on Salaries.			Average Salaries.		Employees on Wages.			Average Wages.	
	Male.	Female.	Total.	1934.	1933.	Male.	Female.	Total.	1934.	1933.
	No.	No.	No.	\$	\$	No.	No.	No.	\$	\$
PROVINCE.										
Prince Edward Island....	226	45	271	765	799	575	247	822	478	488
Nova Scotia.....	1,842	469	2,311	1,270	1,264	10,492	2,238	12,730	744	712
New Brunswick.....	1,729	416	2,145	1,466	1,485	9,477	1,900	11,377	723	693
Quebec.....	23,214	5,830	29,044	1,624	1,604	106,951	45,551	152,502	748	715
Ontario.....	38,239	12,479	50,718	1,672	1,673	160,172	48,731	208,903	891	821
Manitoba.....	3,534	912	4,446	1,532	1,511	14,076	3,201	17,277	880	862
Saskatchewan.....	1,726	305	2,031	1,262	1,280	3,611	344	3,955	893	913
Alberta.....	2,272	455	2,727	1,412	1,438	7,744	1,094	8,838	897	880
British Columbia and Yukon.....	4,939	1,098	6,037	1,574	1,549	25,855	3,173	29,028	958	889
Totals.....	77,721	22,009	99,730	1,614	1,607	338,953	106,479	445,432	837	785
INDUSTRIAL GROUP.										
Vegetable products.....	12,292	3,133	15,425	1,552	1,546	42,780	19,259	62,039	765	741
Animal products.....	8,676	1,954	10,630	1,350	1,321	36,518	10,051	46,569	770	770
Textiles and textile products.....	8,354	3,937	12,291	1,649	1,650	46,128	57,276	103,404	682	657
Wood and paper products	19,227	4,685	23,912	1,545	1,525	83,889	8,890	92,779	867	818
Iron and its products....	9,817	2,522	12,339	1,784	1,795	66,840	2,603	69,443	904	817
Non-ferrous metal products.....	4,767	1,535	6,302	1,874	1,804	20,462	3,413	23,875	997	907
Non-metallic mineral products.....	3,469	804	4,273	1,653	1,670	17,187	499	17,686	1,009	991
Chemicals and allied products.....	4,329	1,500	5,829	1,815	1,855	8,700	2,541	11,301	915	878
Miscellaneous industries..	1,866	575	2,441	1,679	1,641	7,703	1,947	9,650	837	811
Central electric stations..	4,924	1,364	6,288	1,659	1,643	8,686	-	8,686	1,312	1,308

Average Earnings in the Forty Leading Industries.—Table 23 shows employees by sex and the average salaries and wages paid in the forty leading industries during 1934, together with average salaries and wages paid in 1933. The rank of each industry is based on the aggregate salaries and wages paid.

In only seven industries did the average salaries exceed \$2,000; in fourteen they ranged from \$1,700 to \$2,000; in eleven they ranged from \$1,500 to \$1,700, while in the remaining eight they were below \$1,500. None of the six industries paying the highest salaries—sugar refining \$2,745, leather tanneries \$2,315, pulp and paper \$2,252, breweries \$2,189, non-ferrous metal smelting and refining \$2,170 and primary iron and steel \$2,166—reported a proportion of female salaried employees equal to the general percentage of the forty leading industries. The lowest salaries were reported by the sawmilling, bread and other bakery products, and the butter and cheese industries.

The highest wages, or those above \$1,000, were paid in ten industries—central electric stations \$1,312, printing and publishing \$1,254, non-ferrous metal smelting and refining \$1,237, coke and gas products \$1,194, automobiles \$1,190, petroleum products \$1,174, primary iron and steel \$1,136, sugar refining \$1,124, pulp and paper \$1,098 and breweries \$1,047—in all of which the proportion of skilled workers is probably high. In six other industries average wages ranged from \$900 to \$1,000. These were: slaughtering and meat packing \$978, automobile supplies \$963, paints, pigments and varnishes \$944, machinery \$943, printing and bookbinding \$936 and railway rolling stock \$935. In most of these industries the proportion of women workers is low. In the remaining twenty-four industries the average was below

\$900. This last group includes seasonal industries, such as fruit and vegetable canning, fish curing and packing, and industries which contain a large number of small units in which the work is intermittent, such as feed mills. Other industries with low average wages were: textiles, tobacco, and boots and shoes, in which the proportion of female wage-earners is high, the number in several of these industries being greater than those of the male.

23.—Statistics of Salaries and Wages Paid in the Forty Leading Industries, 1934, together with Comparative Figures of Average Salaries and Wages Paid in 1933, and Totals and Averages Paid in Previous Representative Years.

NOTE.—Industries ranked according to the aggregate salaries and wages paid.

Industry.	Salaries.					Wages.				
	Salaried Employees.		Total Salaries, 1934.	Average Salaries.		Wage-earners.		Total Wages, 1934.	Average Wages.	
	Male.	Female.		1934.	1933.	Male.	Female.		1934.	1934.
			No.					No.		
1 Pulp and paper.....	2,684	490	7,148,763	2,252	2,191	23,211	608	26,158,280	1,098	956
2 Printing and publishing.....	5,733	1,838	10,962,226	1,448	1,469	7,648	1,134	11,013,579	1,254	1,243
3 Central electric stations.....	4,924	1,364	10,434,613	1,659	1,643	8,686	—	11,394,878	1,312	1,308
4 Railway rolling stock.....	1,178	67	2,424,846	1,948	1,960	14,827	23	13,887,425	935	813
5 Bread and other bakery products.....	2,211	555	2,669,156	965	900	13,870	1,926	13,124,961	831	843
6 Electrical apparatus.....	2,729	978	6,473,422	1,746	1,807	7,497	2,453	8,746,600	879	746
7 Sawmills.....	2,251	165	1,883,809	780	651	20,056	133	12,234,391	606	551
8 Cotton yarn and cloth.....	455	145	1,192,829	1,988	1,957	11,257	6,249	12,575,449	718	685
9 Clothing, factory, women's.....	1,486	812	3,575,926	1,556	1,488	4,076	10,626	10,015,205	681	660
10 Hosiery and knitted goods.....	877	591	2,636,187	1,796	1,759	5,823	10,687	10,929,429	662	642
11 Castings and forgings.....	1,513	425	3,293,922	1,700	1,680	11,031	147	9,905,204	886	734
12 Butter and cheese.....	3,391	715	3,933,099	958	970	9,994	289	9,207,745	895	947
13 Printing and bookbinding.....	2,477	685	4,869,537	1,540	1,551	6,456	2,195	8,102,440	936	914
14 Automobiles.....	1,346	427	3,532,018	1,992	2,012	7,685	216	9,406,915	1,190	809
15 Slaughtering and meat packing.....	2,057	308	4,027,768	1,703	1,645	6,915	839	7,580,570	978	933
16 Non-ferrous metals melting.....	737	112	1,842,449	2,170	2,154	7,443	6	9,216,757	1,237	1,222
17 Rubber goods including footwear.....	1,267	394	2,884,461	1,736	1,698	8,061	2,757	7,974,176	847	766
18 Boots and shoes, leather.....	1,017	399	2,306,990	1,629	1,615	8,352	5,100	8,204,109	614	626
19 Primary iron and steel.....	490	96	1,209,620	2,166	2,090	6,791	23	7,739,892	1,136	1,049
20 Biscuits, confectionery.....	1,680	471	3,630,738	1,688	1,641	3,635	4,518	5,232,196	642	600
21 Machinery.....	1,481	434	2,974,472	1,553	1,591	5,528	83	5,290,629	943	821
22 Clothing, factory, men's.....	1,118	388	2,088,247	1,387	1,420	3,753	3,590	5,800,668	790	725
23 Silk and artificial silk.....	619	293	1,559,068	1,709	1,925	4,907	3,401	5,976,904	719	678
24 Tobacco, cigars and cigarettes.....	1,595	519	3,424,326	1,620	1,723	2,140	3,896	3,530,320	585	555
25 Petroleum products.....	657	94	1,440,983	1,919	1,976	4,196	10	4,938,243	1,174	1,217
26 Sheet metal products.....	937	271	2,010,565	1,664	1,612	4,227	683	4,253,445	866	838
27 Coke and gas products.....	932	338	2,056,736	1,619	1,587	3,006	2	3,592,233	1,194	1,209
28 Breweries.....	816	150	2,114,464	2,189	2,338	3,280	40	3,477,925	1,047	980
29 Automobile supplies.....	470	194	1,155,341	1,740	1,700	4,031	477	4,343,029	963	808
30 Furnishing goods, men's.....	609	269	1,406,791	1,602	1,631	1,094	6,701	3,942,017	506	480
31 Flour and feed mills.....	1,693	175	2,044,581	1,094	1,059	3,608	157	3,980,731	821	853
32 Boxes and bags, paper.....	667	258	1,867,148	2,018	2,013	2,267	2,038	3,194,744	742	706
33 Fruit and vegetable preparations.....	647	202	1,270,970	1,497	1,476	3,130	3,545	3,433,548	514	465
34 Medicinal and pharmaceutical preparations.....	971	496	2,619,210	1,785	1,860	938	1,101	1,687,199	827	773
35 Brass and copper products.....	694	169	1,455,322	1,686	1,626	2,825	244	2,732,330	890	805
36 Paints, pigments, etc.....	932	261	2,252,291	1,888	1,859	1,513	153	1,573,247	944	967
37 Leather tanneries.....	285	67	815,056	2,315	2,228	3,124	104	2,668,245	826	837
38 Sugar refineries.....	297	62	985,447	2,745	2,985	1,035	86	1,934,215	1,124	1,189
39 Fish curing and packing.....	481	67	676,124	1,234	1,181	3,145	970	2,193,995	533	481
40 Coffee, tea and spices.....	651	175	1,426,800	1,727	1,920	653	536	1,002,826	843	828
Totals, Forty Leading Industries.....	57,655	15,919	116,636,311	—	—	250,914	77,746	281,366,694	—	—
Grand Totals, All Industries.....	77,721	22,009	160,986,876	1,614	338,953	106,479	372,607,759	837		

23.—Statistics of Salaries and Wages Paid in the Forty Leading Industries, 1934, etc.—concluded.

	Salaries.				Wages.			
	Salaryed Employees.		Total Salaries.	Average Salaries.	Wage-earners.		Total Wages.	Average Wages.
	Male.	Female.			Male.	Female.		
	No.	No.	\$	\$	No.	No.	\$	\$
1934.....	77,721	22,009	160,986,876	1,614	338,953	106,479	372,607,759	837
1933.....	73,909	20,585	151,860,323	1,607	299,109	100,300	313,701,767	785
1932.....	74,364	20,706	164,695,605	1,732	301,308	99,020	341,187,718	852
1931.....	77,576	22,232	186,810,791	1,872	351,553	106,075	437,734,767	957
1930.....	70,525	22,418	184,239,117	1,982	431,463	120,033	551,853,619	1,001
1929.....	73,792	22,815	188,747,672	1,934	468,043	129,784	624,302,170	1,045
1928.....	63,181	18,313	152,705,944	1,867	355,202	111,513	501,144,989	1,003
1927.....	59,412	16,818	139,614,639	1,834	333,156	99,117	420,369,406	972
1926.....	76,040	136,219	171	1,791	398,390	374,212	141	939
1925.....	83,015	148,267	360	1,786	526,571	583,853	325	1,109
1917.....	68,726	89,287	158	1,299	552,968	420,094	869	760

Real Earnings of Employees in Recent Years.—When the index number representing the average yearly wages, with 1917 as a base, is divided by the index number of the cost of living, converted to the same base, it is seen that real wages advanced by 19.8 p.c. between 1917 and 1934. The details of the computation are given in Table 24. There was little change in real wages during the three years 1917 to 1920, when prices were rising rapidly. During the following two years, 1921 and 1922, when prices dropped rapidly, real wages increased by 6 p.c. From then until 1934 there was an almost continuous rise from year to year with the exception of 1930. In 1931 real wages reached a maximum of 120.2 and then declined to 113.8 in 1933 and rose again to 119.8 in 1934.

24.—Average Yearly Earnings and Index Numbers of Earnings and Real Wages of Wage-Earners in Manufacturing Industries, 1917-34.

NOTE.—The figures of average earnings for the years 1931 to 1933 are strictly comparable with those for the years up to 1925 but not with those for the intervening years. The figures for the latest years—as for the earliest—represent the earnings for complete man-years of work, with no allowance for periods of unemployment. (See footnote 1 to Table 4, p. 15.)

Year.	Amount of Wages Paid.	Average Number of Wage-earners.	Average Yearly Earnings.	Index Numbers.		
				Average Yearly Earnings.	Cost of Living.	Real Value of Average Yearly Earnings.
	\$	No.	\$			
1917.....	420,094,869	552,968	760	100.0	100.0	100.0
1918.....	480,949,599	547,599	878	115.5	114.0	101.3
1919.....	496,570,995	529,327	938	123.4	123.3	98.5
1920.....	583,853,225	526,571	1,109	145.9	145.2	100.4
1921.....	381,910,145	381,203	1,002	131.8	127.6	103.2
1922.....	374,212,141	398,390	930	123.6	116.8	105.8
1923.....	428,731,347	446,994	959	126.1	116.8	107.9
1924.....	420,269,406	432,273	972	127.9	114.5	111.7
1925.....	452,958,055	466,602	971	127.8	114.0	110.2
1926.....	501,144,989	490,745	1,003	132.0	118.8	113.0
1927.....	531,583,250	533,450	997	131.3	115.1	114.1
1928.....	580,428,493	560,730	1,024	134.8	115.6	116.5
1929.....	624,302,170	597,827	1,045	137.5	116.8	117.7
1930.....	551,853,619	551,496	1,001	131.7	115.9	113.6
1931.....	437,734,767	457,628	957	125.8	104.7	120.2
1932.....	341,187,718	400,328	852	112.1	95.1	117.9
1933.....	313,701,767	399,409	785	103.3	90.8	113.8
1934.....	372,607,759	445,432	837	110.1	91.9	119.8

Percentages of Wages and Salaries to Value of Products.—Table 25 shows the relation between wages and salaries paid by manufacturers and the total net value of production. Figures of gross production are often used in such calculations, but the values out of which the wages of employees must come in the

long run are the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for payment of wages and salaries, of interest, rent and taxes, charges for fuel, power, lighting, repairs, and all other overhead charges. The percentage of salaries was highest in the years 1931 to 1934. These were years in which manufacturing production was curtailed and it is probable that, salaried employees being a part of the organization of an industry rather than of its productive force, salaries were an abnormally high percentage of the lower levels of production then prevailing. The percentage declined steadily with the increasing manufacturing production maintained during the period 1924 to 1929, while from 1931 to 1934, due to decreased industrial activity, the percentage of salaries to value added rose to 13.4, 15.0, 14.5 and 13.2 respectively. It should be borne in mind, however, that salaried employees increased 30.8 p.c. during the period while wage-earners increased but 3 p.c. The percentage of wages has fluctuated much less than that of salaries. The number of wage-earning employees may be more readily adjusted to the activity of the industry and wage levels likewise more readily adjusted to the price levels of the products. The percentage of wages to the values added in manufacture was thus only 5.1 p.c. lower in 1934 than in 1924. The percentage was highest in 1920, when, in the post-war inflation, average wages were highest (Table 24) and the efficiency of production lowest (Table 18).

In previous reports on manufactures the percentage of wages and salaries paid to the value added by manufacture was carried back to 1917. Under the new method of calculating the value added, whereby the cost of materials plus fuel and electricity is deducted from the gross value of the products, it is only possible to go back to 1924. Under the old method of calculating the value added by manufacture only the cost of the materials used was deducted from the gross value of the products.

Table 25.—Percentages of Wages and Salaries Paid to the Total Net Value of Manufacturing Production, 1924-34.

Year.	Value Added by Processes of Manufacture.	Salaries Paid.	Wages Paid.	Percentage—		
				of Salaries to Value Added.	of Wages to Value Added.	of Total Salaries and Wages to Value Added.
	\$	\$	\$	p.c.	p.c.	p.c.
1924	1,180,609,241	139,614,639	420,269,406	11.8	35.6	47.4
1925	1,280,504,159	143,056,516	452,958,655	11.2	35.4	46.6
1926	1,406,574,164	152,705,944	501,144,989	10.9	35.6	46.5
1927	1,544,296,557	162,348,978	531,583,250	10.5	34.4	44.9
1928	1,725,338,540	174,770,879	580,428,493	10.1	33.6	43.7
1929	1,894,910,456	188,747,672	624,302,170	10.0	32.9	42.9
1930	1,665,631,770	184,239,117	551,853,649	11.1	33.1	44.2
1931	1,390,409,237	186,810,794	437,734,767	13.4	31.5	44.9
1932	1,097,284,291	164,695,605	341,187,718	15.0	31.1	46.1
1933	1,048,259,450	151,860,323	313,701,767	14.5	29.9	44.4
1934	1,222,943,809	160,986,876	372,607,759	13.2	30.5	43.7

Subsection 4.—Size of Manufacturing Establishments.

A modern characteristic of industry in all industrial countries has been the increase in the size of the typical manufacturing establishment. The full utilization of highly specialized machinery necessitates large-scale production, while the improvements in transportation have widened the market.

The size of the manufacturing establishment is generally measured either by the number of employees or by the value of product, but each of these methods has its limitations. The former takes no account of the differences in capital equipment at different times or in various industries and obviously the increased use

of machinery, as in the flour-milling industry, may lead to increased production concurrently with a decrease in the number of employees. The latter measure has to be adjusted for changes in the price level; and, as between industries, it makes those which handle expensive raw materials appear to operate on a larger scale. Both measures are subject to two limitations: first, they depend on the fluctuation of business activity and the demand of the consumer; second, over any lengthy period of time there is the difficulty of comparability resulting from changes in the method of the census. Since 1932, for example, due to the difficulty of eliminating duplication in the value of production in central electric stations, as well as the difficulty of apportioning the capital investment as between different cities, it has been found necessary to exclude figures for central electric stations in showing statistics of size of establishment as well as statistics of cities and towns.

Size as Measured by Gross Value of Products.—While in 1922 the 420 establishments each producing over \$1,000,000 had an aggregate value of products of \$1,268,056,129 or 51 p.c. of the total production of all manufacturing industries, the 719 establishments producing over \$1,000,000 each in 1929 had an aggregate value of products of \$2,516,064,954, or 62 p.c. of the grand total for all manufacturing establishments—a very significant change in the short period of eight years. In 1931, however, the number of plants with a production of over a million dollars dropped again to 482, their output being valued at \$1,451,658,954 or 53 p.c. of the total. Due to the elimination of central electric stations, the figures since 1932 are not directly comparable with those for 1929 or 1922.

26.—Manufacturing Establishments Grouped According to Gross Values of Products, with Total and Average Values of Products in each Class, for Canada, 1922, 1929, 1933 and 1934.

Group of Gross Values.	1922.			1929. ¹		
	Estab-lish-ments.	Total Production.	Average Pro-duction.	Estab-lish-ments.	Total Production.	Average Pro-duction.
	No.	\$	\$	No.	\$	\$
Under \$25,000.....	14,978	114,205,770	7,625	14,024	100,735,470	7,611
\$ 25,000 but under \$ 50,000.....	2,401	85,075,807	35,433	2,802	99,529,725	35,521
50,000 " 100,000.....	1,793	129,320,947	72,125	2,209	156,308,744	70,760
100,000 " 200,000.....	1,355	191,675,689	141,458	1,688	237,532,492	140,718
200,000 " 500,000.....	1,078	330,533,712	306,017	1,519	504,218,217	331,941
500,000 " 1,000,000.....	516	303,341,076	704,149	636	443,597,677	697,481
1,000,000 " 5,000,000.....	364	692,463,530	1,902,372	601	1,217,866,089	2,026,400
5,000,000 and over.....	56	578,592,599	10,278,439	118	1,298,198,865	11,001,685
Totals.....	22,541	2,482,299,130	110,119	23,597	4,063,987,279	172,275
	1933. ²			1934. ²		
	No.	\$	\$	No.	\$	\$
	No.	\$	\$	No.	\$	\$
Under \$25,000.....	17,275	107,554,910	6,226	17,070	116,445,708	6,822
\$ 25,000 but under \$ 50,000.....	2,336	82,752,020	35,424	2,427	86,140,296	35,495
50,000 " 100,000.....	1,726	122,743,038	71,114	1,870	133,417,838	71,118
100,000 " 200,000.....	1,185	167,331,401	141,207	1,300	182,914,474	140,703
200,000 " 500,000.....	952	295,164,250	310,046	1,110	346,311,102	310,317
500,000 " 1,000,000.....	378	264,725,242	700,331	422	297,821,747	705,739
1,000,000 " 5,000,000.....	302	602,315,286	1,994,421	354	714,932,036	2,019,582
5,000,000 and over.....	37	326,729,619	8,830,530	55	531,303,140	9,660,057
Totals.....	24,191	1,969,315,766	81,448	24,629	2,409,295,341	97,859

¹ The value of production in 1929 shown above is greater in the aggregate by \$34,615,939 than the value of production shown in the other tables of this report. This is due to the elimination from the other tables of the value of electric energy purchased by central electric stations from other generating plants for distribution to local consumers. For the reporting plant, however, the cost of such power is regarded as the cost of materials. This necessarily involves a duplication in the value of production which it is impossible to make compensation for as between the groups.

² The figures for 1933 and 1934 do not include

central electric stations.

21.—Manufacturing Establishments, Grouped According to Gross Values of Products, with Total Values of Products in each Class, by Provinces, 1934.

Note.—The figures in this table do not include central electric stations.

Group of Gross Values.	Prince Edward Island.		Nova Scotia.		New Brunswick.	
	Estab-lish-ments.	Production.	Estab-lish-ments.	Production.	Estab-lish-ments.	Production.
	No.	\$	No.	\$	No.	\$
Under \$25,000.....	237	1,484,782	1,092	5,847,384	647	4,066,651
\$ 25,000 to \$ 50,000.....	13	468,755	79	2,666,410	54	1,785,154
50,000 " 100,000.....	7	454,750	69	4,711,750	34	2,481,740
100,000 " 200,000.....	4	614,554	34	5,017,051	32	4,326,319
200,000 " 500,000.....	—	—	21	6,615,231	26	8,051,379
500,000 " 1,000,000.....	—	—	5	3,880,206	4	3,146,490
1,000,000 " 5,000,000.....	—	—	9	27,201,773	11	27,131,546
5,000,000 and over.....	—	—	—	—	—	—
Totals.....	261	3,022,841	1,309	55,939,811	688	59,986,279

Group of Gross Values.	Quebec.		Ontario.		Manitoba.	
	Estab-lish-ments.	Production.	Estab-lish-ments.	Production.	Estab-lish-ments.	Production.
	No.	\$	No.	\$	No.	\$
Under \$25,000.....	5,974	38,267,037	6,163	48,309,830	670	4,014,010
\$ 25,000 to \$ 50,000.....	651	23,208,919	1,150	40,941,849	119	4,321,443
50,000 " 100,000.....	486	34,568,951	919	65,337,821	96	6,729,425
100,000 " 200,000.....	346	49,150,743	658	92,455,353	64	9,300,207
200,000 " 500,000.....	337	104,618,160	552	172,475,737	51	15,025,014
500,000 " 1,000,000.....	117	82,633,748	225	157,482,159	21	15,614,221
1,000,000 " 5,000,000.....	104	227,941,158	183	354,682,285	13	43,975,006
5,000,000 and over.....	20	159,291,037	22	280,141,952	—	—
Totals.....	8,935	719,679,753	9,872	1,211,826,986	1,035	88,979,326

Group of Gross Values.	Saskatchewan.		Alberta.		British Columbia.	
	Estab-lish-ments.	Production.	Estab-lish-ments.	Production.	Estab-lish-ments.	Production.
	No.	\$	No.	\$	No.	\$
Under \$25,000.....	547	2,825,425	639	4,101,439	1,101	7,529,150
\$ 25,000 to \$ 50,000.....	84	2,234,519	106	3,698,539	191	6,820,708
50,000 " 100,000.....	54	3,890,237	69	4,851,987	139	9,905,252
100,000 " 200,000.....	28	3,942,713	27	3,515,751	111	15,319,055
200,000 " 500,000.....	16	4,713,971	22	7,487,396	90	27,082,891
500,000 " 1,000,000.....	9	20,419,456	12	9,020,430	37	25,352,725
1,000,000 " 5,000,000.....	—	—	13	32,146,377	21	38,870,716
5,000,000 and over.....	—	—	—	—	4	35,125,638
Totals.....	718	38,632,321	888	64,821,919	1,694	166,006,165

Size of Establishments as Measured by Number of Employees.—In 1923, establishments employing 501 hands or over accounted for 21.4 p.c. of the total number of employees engaged in manufacturing. By 1929 it had increased to 27.3 p.c. of the total, thereby showing the increasing concentration of production into larger units. This tendency, however, was checked by the depression, the percentage having dropped in 1933 to 20.5 p.c. (central electric stations included). The same also holds true for all establishments employing 101 hands and over. In 1923 they employed 58.5 p.c. of the total, in 1929, 61.9 p.c., and in 1933, 55.7 p.c.

28.—Establishments and Employees in Canadian Manufactures, Grouped According to the Number of Employees per Establishment, 1923, 1929, 1933 and 1934.

NOTE.—The total employees for 1933, exclusive of central electric stations, exceed the totals shown elsewhere in this report because contract workers in the salmon canneries of British Columbia and other provinces are included here but excluded elsewhere.

Group.	1923.			1929.		
	Establishments.	Employees.	Average Employed.	Establishments.	Employees.	Average Employed.
	No.	No.	No.	No.	No.	No.
Fewer than 5 employees.....	13,156	23,632	1.7	12,273	30,446	2.5
5 to 20 employees.....	5,310	53,852	10.1	6,160	62,310	10.1
21 " 50 ".....	2,093	67,408	32.2	2,531	81,846	32.4
51 " 100 ".....	1,031	73,449	71.2	1,262	90,238	71.5
101 " 200 ".....	566	79,737	140.8	745	103,944	139.5
201 " 500 ".....	374	115,585	309.0	444	136,397	307.1
501 and over.....	112	112,447	1,004.0	182	189,253	1,040.0
Totals and Averages.....	22,642	526,119	23.3	23,597	694,434	29.4
	1933. ¹			1934. ¹		
	No.	No.	No.	No.	No.	No.
Fewer than 5 employees.....	14,492	20,537	1.8	14,296	26,736	1.8
5 to 20 employees.....	5,836	57,480	9.8	6,167	60,491	9.8
21 " 50 ".....	1,955	63,165	32.3	2,109	67,436	31.9
51 " 100 ".....	941	68,666	70.8	991	69,717	70.3
101 " 200 ".....	552	76,630	138.8	583	81,465	139.7
201 " 500 ".....	308	93,202	302.6	345	103,651	300.4
501 and over.....	107	99,291	927.9	129	120,692	935.5
Totals and Averages.....	24,191	492,971	19.9	24,629	539,188	21.6

¹ Exclusive of central electric stations.

29.—Establishments and Employees in Canadian Manufactures, by Provinces, and Average Number of Employees per Establishment, 1934

NOTE.—See footnote to Table 28.

Province and Item.	Under 5 Employees.	5-20	21-50	51-100	101-200	201-500	501 and over.	Total.
Prince Edward Island—								
Establishments.....	205	49	7	—	—	—	—	261
Employees.....	399	404	235	—	—	—	—	1,038
Averages per establishment.....	1.9	8.2	33.5	—	—	—	—	3.9
Nova Scotia—								
Establishments.....	851	336	77	22	9	14	—	1,309
Employees.....	1,549	3,063	2,400	1,575	1,289	4,406	—	14,282
Averages per establishment.....	1.8	9.1	31.1	71.5	143.2	314.7	—	10.9
New Brunswick—								
Establishments.....	493	220	48	22	12	10	3	808
Employees.....	892	1,984	1,516	1,590	1,467	3,152	2,453	13,074
Averages per establishment.....	1.8	9.01	31.5	72.2	123.9	315.2	817.6	16.1
Quebec—								
Establishments.....	5,074	1,674	648	276	187	126	50	8,035
Employees.....	8,806	16,534	20,694	19,437	25,831	39,707	47,105	178,114
Averages per establishment.....	1.7	9.8	31.9	70.4	138.1	316.1	942.1	22.1
Ontario—								
Establishments.....	5,153	2,716	973	498	304	163	65	9,872
Employees.....	10,244	27,024	31,372	34,958	42,808	47,194	59,335	252,935
Averages per establishment.....	1.9	9.9	32.2	70.1	140.8	289.5	912.8	26.6
Manitoba—								
Establishments.....	576	276	94	57	22	6	4	1,035
Employees.....	1,080	2,743	3,062	4,026	3,187	1,900	4,650	20,648
Averages per establishment.....	1.8	9.9	32.5	70.6	144.8	316.6	1,162.5	19.9
Saskatchewan—								
Establishments.....	508	153	39	10	8	—	—	718
Employees.....	935	1,317	1,260	644	1,306	—	—	5,462
Averages per establishment.....	1.8	8.6	32.3	64.4	163.2	—	—	7.6
Alberta—								
Establishments.....	598	197	48	28	8	9	—	888
Employees.....	1,201	1,816	1,461	1,960	1,174	3,328	—	10,940
Averages per establishment.....	2.0	9.2	30.4	70.0	146.7	369.7	—	12.3
British Columbia—								
Establishments.....	838	546	175	78	35	17	5	1,694
Employees.....	1,630	5,606	5,436	5,527	4,893	4,980	5,623	33,695
Averages per establishment.....	1.9	10.2	31.06	70.8	139.8	292.9	1,124.6	19.8

Size of Establishments of Some of the Leading Industries. Table 30 shows the degree of concentration in some of the leading industries of Canada. Concentration is extremely marked in the case of non-ferrous metal smelting, petroleum products, cotton yarn and cloth, slaughtering and meat packing and pulp and paper, whereas in the case of butter and cheese, bread and other bakery products, women's factory clothing and printing and publishing the degree of concentration is but moderate. With regard to flour and feed mills, concentration is marked in the case of flour mills, but the small size of the average feed mill offsets this for the industry as a whole. The following statement shows the percentage of the total production of each industry which was produced by establishments of over \$1,000,000 in 1934.

Industry	Establishments with a Production of \$1,000,000 and Over.	Percentage of Total Number of Establishments in the Industry.	Percentage of Total Production in the Industry.
	No.	p.c.	p.c.
Pulp and paper.....	46	48	89
Non-ferrous metal smelting.....	12	80	99
Slaughtering and meat packing.....	27	18	87
Flour and feed mills.....	19	1	83
Butter and cheese.....	9	0.3	15
Petroleum products.....	15	29	92
Bread and other bakery products.....	5	0.1	15
Cotton yarn and cloth.....	20	56	88
Printing and publishing.....	11	1	44
Clothing, factory, women's.....	2	0.3	8

39.—Size of Establishments of Some of the Leading Industries, Grouped According to the Gross Value of Products, and the Number of Persons Employed, 1934.

Group and Item.	Pulp and Paper.	Non-Ferrous Smelting.	Slaughtering and Meat Packing.	Flour and Feed.	Butter and Cheese.
GROSS VALUE OF PRODUCTS					
Under \$25,000—Establishments...No.	5	—	40	932	1,961
Production.....\$	62,905	—	659,780	9,520,601	18,606,814
\$ 25,000 to \$ 50,000—Establishments...No.	5	—	17	244	277
Production.....\$	179,349	—	631,709	8,152,947	10,029,051
50,000 to 100,000—Establishments...No.	4	—	24	76	233
Production.....\$	358,425	—	1,669,618	5,267,262	16,039,738
100,000 to 200,000—Establishments...No.	5	—	16	17	104
Production.....\$	834,631	—	2,229,233	2,396,250	14,126,776
200,000 to 500,000—Establishments...No.	15	—	14	15	37
Production.....\$	4,960,883	—	4,052,830	5,075,287	10,717,071
500,000 to 1,000,000—Establishments...No.	15	—	9	7	11
Production.....\$	10,883,233	—	6,601,345	4,950,302	8,635,791
1,000,000 to 5,000,000—Establishments...No.	39	6	21	14	9
Production.....\$	93,885,467	8,006,312	44,156,856	29,977,704	14,058,030
5,000,000 and over—Establishments...No.	7	9	—	5	—
Production.....\$	41,482,863	141,929,927	62,111,035	30,396,830	—
NUMBER OF PERSONS EMPLOYED					
Under 5—Establishments...No.	—	—	48	1,196	2,182
Employees.....No.	—	—	116	1,772	4,174
5 to 20—Establishments...No.	9	—	53	82	371
Employees.....No.	112	—	570	659	3,201
21 to 50—Establishments...No.	11	—	14	12	44
Employees.....No.	437	—	448	389	1,389
51 to 100—Establishments...No.	16	3	7	8	18
Employees.....No.	1,156	325	551	522	1,180
101 to 200—Establishments...No.	14	—	12	8	7
Employees.....No.	2,239	—	1,654	1,141	1,044
201 to 500—Establishments...No.	25	8	9	4	10
Employees.....No.	8,426	2,158	3,158	1,150	3,401 ^e
501 and over—Establishments...No.	20	6	4	—	—
Employees.....No.	14,629	5,515	3,622	—	—

30.—Size of Establishments of Some of the Leading Industries, Grouped According to the Gross Value of Products, and the Number of Persons Employed, 1934—con.

GROUP AND ITEM.		Petroleum Products.	Bread and Bakery Products.	Cotton Yarn and Cloth.	Printing and Publishing.	Women's Factory Clothing.
GROSS VALUE OF PRODUCTS						
Under \$25,000	—Establishments...No.	5	2,858	—	610	176
	Production.....\$	72,272	19,840,945	—	3,664,160	2,019,847
\$ 25,000 to \$ 50,000	—Establishments...No.	4	168	—	40	133
	Production.....\$	135,452	5,713,409	—	1,649,009	4,925,914
50,000 to 100,000	—Establishments...No.	7	76	—	38	124
	Production.....\$	485,453	5,216,506	—	2,838,601	8,887,278
100,000 to 200,000	—Establishments...No.	9	27	—	38	81
	Production.....\$	1,254,536	3,206,885	—	5,349,498	11,473,292
200,000 to 500,000	—Establishments...No.	9	29	10	23	55
	Production.....\$	2,736,056	8,415,304	3,053,208	6,874,739	15,896,926
500,000 to 1,000,000	—Establishments...No.	—	10	6	12	8
	Production.....\$	—	6,530,915	4,541,180	9,123,551	8,329,834 ¹
1,000,000 to 5,000,000	—Establishments...No.	11	5	20	11	—
	Production.....\$	25,401,263 ²	8,371,558	53,712,102 ³	23,182,049	—
5,000,000 and over	—Establishments...No.	6	—	—	—	—
	Production.....\$	46,252,481	—	—	—	—
NUMBER OF PERSONS EMPLOYED						
Under 5	—Establishments...No.	10	2,424	—	458	73
	Employees.....No.	28	4,740	—	976	196
5 to 20	—Establishments...No.	19	638	—	200	276
	Employees.....No.	201	5,251	—	1,796	3,246
21 to 50	—Establishments...No.	9	65	—	69	150
	Employees.....No.	310	1,964	—	2,294	4,593
51 to 100	—Establishments...No.	3	25	5	24	46
	Employees.....No.	215	1,883	269 ⁴	1,578	2,902
101 to 200	—Establishments...No.	4	11	7	23	25
	Employees.....No.	514	1,646	856	3,207	3,121
201 to 500	—Establishments...No.	6	10	11	12	7
	Employees.....No.	3,689 ⁵	3,078	3,924	3,816	2,942 ⁶
501 and over	—Establishments...No.	—	—	13	4	—
	Employees.....No.	—	—	13,057	2,686	—

¹ Includes 1 establishment with a production of \$100,000 to \$200,000 and 2 establishments with a production of \$500,000 to \$1,000,000. ² Includes 2 establishments with a production of \$500,000 to \$1,000,000.

³ Includes 2 establishments with a production of \$5,000,000 and over. ⁴ Includes 2 establishments with a production of \$1,000,000 to \$5,000,000. ⁵ Includes 1 establishment with 101 to 200 employees. ⁶ Includes 2 establishments with over 500 employees.

⁷ Includes 2 establishments with over 500 employees. ⁸ Includes 1 establishment with 21 to 50 employees. ⁹ Includes 1 establishment with over 500 employees.

Subsection 5.—Power and Fuel.

Power.—The power equipment installed in manufacturing establishments is a very good barometer of the industrial development of Canada, inasmuch as the production is increasingly dependent on the power equipment. Increases and decreases in productive capacity, measured in horse-power, are not the result of temporary fluctuations in costs and values in the same manner as capital investments, values of products, etc. Power equipment will not reflect temporary depressions, but over a period of several years will indicate industrial growth or decline.

Central electric stations, which generate electricity for both lighting and power purposes, are treated in Table 31, separately from the other groups of industries. Internal combustion engines include all gasoline engines, gas engines (natural, coal and producer gas), and diesel and semi-diesel or other engines which produce power by burning the fuel in the cylinder.

The rapid increase in the development of power in Canada and in its utilization in manufacturing industries is illustrated by the summary figures for the years 1921 to 1934 in Table 31. The table is divided into two parts, the first showing manufacturing industries exclusive of central electric stations and the second showing central electric stations only. The abundance of readily available water power in many parts of Canada, facilitating the development of low-cost hydro-electric power has, no doubt, played a large part in this rapid growth. Of the total increase in power equipment since 1923, amounting to 6,585,968 h.p., inclusive of central electric stations, no less than 4,288,623 h.p., or 65 p.c. was in water power. However, some sections of Canada are not so well provided with water-power resources and chiefly in such sections primary power derived from steam engines and turbines and internal combustion engines has also increased rapidly during the period covered. In the provinces of Prince Edward Island, Nova Scotia, Saskatchewan and Alberta, primary power produced from fuels exceeded that from water in 1934. The total installation of electric motors increased 2,014,585 h.p., or 153 p.c. in the 12 years covered, by far the greatest part of this increase being in motors operated by power purchased from central electric stations.

Comparisons with the data for 1923 show an increase in 1934 of 6,585,968 h.p., or 140 p.c. in the total power equipment in all manufacturing establishments, including central electric stations, by far the largest increase, amounting to 4,488,175 h.p., being in central electric stations. Of this increase in central electric stations, water-power development accounted for 4,278,127 h.p., while steam power installed increased by 190,463 h.p. and internal combustion engines increased by 19,585 h.p. Provinces with large water-power developments show the greatest increases in primary power, i.e., steam engines and turbines, internal combustion engines and hydraulic turbines or water wheels. For all manufacturing industries, including central electric stations, the province of Quebec led with an increase of 2,451,575 h.p. during the period under review. Ontario came second with an increase of 1,012,551 h.p., British Columbia third with an increase of 465,576 h.p., Manitoba fourth with 371,626 h.p., Nova Scotia fifth with 170,795 h.p., New Brunswick sixth with 128,915 h.p., etc. In the utilization of hydraulic power, Quebec exceeded Ontario for the first time in 1925. In 1927 Quebec exceeded Ontario or any other province in the total of installed primary power from all sources and has been the leading province since then, largely owing to its extensive water-power resources, 94 p.c. of its primary power in 1934 being derived from water.

31.—Totals for Canada of Power Installed in the Manufacturing Industries other than Central Electric Stations and in Central Electric Stations, 1921-34, with Details by Provinces and Groups of Industries for 1934.

MANUFACTURING INDUSTRIES (EXCLUSIVE OF CENTRAL ELECTRIC STATIONS).

Province and Group.	Steam Engines and Turbines.	Internal Combustion Engines.	Hydraulic Turbines and Water Wheels.	Electric motors Operated by Purchased Power.	Total Power Equipment.	Electric motors Operated by Power Generated by Establishments Reporting.	Total Electric Motors.
	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.
Totals, 1921	493,534	37,696	492,598	-	-	-	1,014,216
Totals, 1922	554,141	70,271	578,795	-	-	-	1,162,649
Totals, 1923	554,191	46,829	587,191	958,692	2,146,903	357,136	1,315,828
Totals, 1924	652,913	54,250	575,189	1,256,183	2,538,535	398,001	1,654,184
Totals, 1925	686,425	57,247	596,738	1,547,754	2,888,164	434,678	1,992,432
Totals, 1926	704,158	56,128	603,628	1,770,334	3,134,248	392,322	2,162,656
Totals, 1927	718,157	57,143	587,595	1,924,687	3,287,582	386,555	2,311,242
Totals, 1928	736,996	58,806	657,253	2,139,129	3,592,184	457,545	2,596,694
Totals, 1929	768,141	60,654	645,500	2,393,694	3,867,979	496,036	2,889,720
Totals, 1930	799,041	65,630	668,220	2,518,853	4,051,744	478,518	2,997,401
Totals, 1931	786,307	73,401	667,558	2,587,411	4,114,677	539,800	3,127,211
Totals, 1932	741,486	68,554	633,216	2,694,164	4,157,420	516,157	3,210,321
Totals, 1933	743,433	76,613	657,695	2,671,440	4,149,181	502,706	3,174,146
Totals, 1934	779,949	87,147	597,687	2,779,913	4,244,696	550,500	3,330,413
PROVINCE, 1934.							
Prince Edward Island	1,417	594	1,217	737	3,965	5	742
Nova Scotia	92,276	4,605	10,818	82,413	190,112	22,453	104,866
New Brunswick	68,623	3,056	21,367	95,941	186,987	46,302	142,303
Quebec	175,738	16,165	194,524	1,107,179	1,493,606	103,553	1,210,732
Ontario	266,762	46,438	246,148	1,121,025	1,680,373	253,685	1,374,710
Manitoba	12,703	2,103	105	79,418	94,329	313	79,731
Saskatchewan	11,310	2,078	10	20,767	34,165	54	20,821
Alberta	23,717	4,072	46	42,576	70,411	2,223	44,799
British Columbia and Yukon	129,403	8,036	123,452	229,857	490,748	121,852	351,709
Totals, 1934	779,949	87,147	597,687	2,779,913	4,244,696	550,500	3,330,413
GROUP OF INDUSTRIES, 1934.							
Vegetable products	60,825	20,588	36,274	214,365	332,052	25,902	240,267
Animal products	27,281	5,444	2,130	82,979	117,843	2,604	85,583
Textile products	26,883	2,058	31,411	159,580	219,938	27,149	180,735
Wood and paper products	425,637	27,223	491,217	1,171,128	2,116,205	357,930	1,529,058
Iron and its products	150,026	23,080	4,207	460,405	637,718	89,453	549,858
Non-ferrous metal products	27,120	573	18,460	359,095	405,245	22,055	391,150
Non-metallic mineral products	31,651	7,235	5,399	187,301	231,580	13,953	201,254
Chemicals and chemical products	17,378	353	8,530	88,821	115,062	9,084	97,905
Miscellaneous industries	13,148	593	50	56,233	70,024	2,370	58,603

31.—Totals for Canada of Power Installed in the Manufacturing Industries other than Central Electric Stations and in Central Electric Stations, 1921-34, with Details by Provinces and Groups of Industries for 1934—concluded.

CENTRAL ELECTRIC STATIONS.

Province and Group.	Steam Engines and Turbines.	Internal Combustion Engines.	Hydra- lic Turbines and Water Wheels.	Electric motors Oper- ated by Pur- chased Power.	Total Power Equip- ment.	Electric motors Oper- ated by Power Gener- ated by Establish- ments Report- ing.	Total Electric Motors.
	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.
Totals, 1921	269,191	15,871	1,826,357	-	2,111,419	-	-
Totals, 1922	279,615	16,751	2,112,289	-	2,408,655	-	-
Totals, 1923	273,679	17,191	2,282,547	-	2,573,417	-	-
Totals, 1924	291,354	18,211	2,707,957	-	3,017,552	-	-
Totals, 1925	306,491	20,188	3,416,018	-	3,742,697	-	-
Totals, 1926	314,377	22,426	3,609,385	-	3,946,188	-	-
Totals, 1927	320,774	22,610	3,975,012	-	4,318,396	-	-
Totals, 1928	316,311	25,058	4,445,531	-	4,786,900	-	-
Totals, 1929	347,641	30,875	4,718,927	-	5,097,443	-	-
Totals, 1930	393,990	34,462	5,141,109	-	5,572,561	-	-
Totals, 1931	433,728	34,753	5,422,319	-	5,890,800	-	-
Totals, 1932	456,671	35,600	6,036,259	-	6,528,533	-	-
Totals, 1933	467,453	36,125	6,305,997	-	6,809,575	-	-
Totals, 1934	464,142	36,776	6,560,674	-	7,061,592	-	-
By Provinces, 1934.							
Prince Edward Island	4,248	980	464	-	5,692	-	-
Nova Scotia	73,851	1,184	81,566	-	156,601	-	-
New Brunswick	30,215	1,170	105,485	-	136,870	-	-
Quebec	38,474	3,273	3,303,705	-	3,342,452	-	-
Ontario	40,288	3,481	2,003,478	-	2,047,247	-	-
Manitoba	32,681	2,852	436,025	-	473,358	-	-
Saskatchewan	117,030	17,816	-	-	135,446	-	-
Alberta	77,067	4,848	60,520	-	151,435	-	-
British Columbia and Yukon	48,788	4,172	559,531	-	612,491	-	-
Totals, 1934	464,142	36,776	6,560,674	-	7,061,592	-	-

Fuel and Electricity.—Fuel and electricity consumed by the manufacturing industries of Canada in 1934 was valued at \$79,835,002. Of this amount \$41,462,574 was for fuel and \$38,375,428 for electric power. The fuel used in industrial establishments in 1934 included 4,301,110 tons of bituminous coal valued at \$22,954,485, constituting 55.3 p.c. of the total fuel cost. The other chief fuels in order of value were: gas (principally manufactured gas) comprising 13.9 p.c.; fuel oil 13.3 p.c.; coke 4.1 p.c.; wood 3.7 p.c.; and anthracite coal 3.0 p.c. Out of a fuel account of \$41,462,574, Ontario expended \$19,930,555 or 48.1 p.c. of the total. The manufacturing plants of Quebec expended \$11,037,217, Nova Scotia \$2,758,321 and British Columbia, \$2,308,154.

The groups of industries in which fuel was most extensively used in 1934 were: wood and paper \$8,609,695; non-metallic minerals \$8,379,700; iron and steel products \$6,964,888; and vegetable products \$5,735,808. Fuel is used quite generally throughout the industrial field for the generation of power by means of internal combustion and steam engines. The most important industries where heat is applied directly to materials to transform them or to facilitate their manipulation are foundries and machine shops, blast furnaces and steel mills, smelting plants, brick, tile, lime and cement-making, petroleum refining and the glass industry. In such industries as the manufacture of coke and gas the coal used as a material which enters into the actual composition of the product is not treated as a fuel but as a raw material and is not, therefore, included in the figures of Table 32.

The total annual expenditure on fuel decreased by \$10,178,338 or 19.7 p.c. in the thirteen years 1921-34 covered by the summary figures in Table 32. During this period prices of fuel generally have declined; thus with an increase of 4.8 p.c. in the quantity of bituminous coal used, the value decreased 33.9 p.c.

The wood and paper products group is the largest user of electric power, the consumption in 1934 being valued at \$17,196,111 or 44.8 p.c. of the total cost of power used by all manufacturing industries. The non-ferrous metal products group ranks second with only 10.6 p.c. of the total. Other principal users were iron and steel industries, vegetable products and textiles.

In the provinces of Quebec and British Columbia, the cost of electricity exceeds that of fuel. For Quebec, which is the largest user of electrical power, the electricity used was \$17,255,397 as against \$11,037,217 for fuel, while in British Columbia electric power totalled \$3,279,127 and fuel \$2,308,154. Ontario, which ranks second as a user of electrical energy, expended \$13,605,476 for electricity and \$19,930,555 for fuel.

At the Conference of British Commonwealth Statisticians, held in Ottawa, September 13 to October 9, 1935, Canadian representatives agreed with those of the United Kingdom and other British countries that fuel and power used in manufacture should be logically regarded as a material of production and their cost, therefore, should be deducted from the gross in arriving at the net value of production. This procedure has, therefore, been followed in the compilation of manufacturing statistics for 1934.

32.—Fuel and Electricity Used in the Manufacturing Industries of Canada, 1921-34, with Details by Provinces and Groups, 1934.

Province or Group.	Bituminous Coal.		Anthracite Coal.		Lignite Coal.	Coke.	Fuel Oils.	Wood.	Gas.	Other Fuel, Including Gasoline.	Cost of Electricity. ¹	Total, Fuel and Electricity.
	Short tons.	\$	Short tons.	\$	\$	\$	\$	\$	\$	\$	\$	\$
Totals, 1921	4,163,071	31,752,681	306,459	2,915,752	1,326,456	2,497,400	5,417,800	—	—	4,730,823	2	51,640,912 ²
Totals, 1922	4,101,463	29,914,585	419,289	3,616,185	1,126,963	3,299,016	5,649,071	2,085,444	1,616,802	1,612,439	2	48,920,505 ²
Totals, 1923	5,338,446	38,283,135	756,780	4,614,239	509,014	3,238,257	6,241,692	2,514,157	1,904,058	1,432,386	2	58,736,938 ²
Totals, 1924	5,518,255	31,438,554	782,333	4,642,654	627,495	2,250,232	5,780,752	2,595,064	4,711,186	2,022,277	18,876,446	75,941,660
Totals, 1925	5,902,197	31,031,531	337,054	2,564,489	658,287	5,045,239	7,246,961	2,700,977	3,570,180	1,993,037	22,557,047	80,375,748
Totals, 1926	6,409,227	36,723,359	300,179	2,266,935	578,651	4,176,584	7,371,769	2,645,505	4,233,073	1,700,091	26,374,908	86,070,875
Totals, 1927	6,470,803	36,053,827	317,135	2,435,720	1,333,131	3,890,378	7,220,529	2,492,495	5,272,735	1,407,403	31,521,161	91,627,379
Totals, 1928	6,639,736	37,871,736	279,467	2,070,989	1,572,452	1,819,347	7,300,552	2,439,104	5,431,905	1,252,282	33,946,218	93,707,485
Totals, 1929	7,062,234	39,315,723	278,144	1,986,332	1,759,415	2,554,542	8,778,491	2,693,629	6,214,847	1,322,510	38,014,420	102,439,909
Totals, 1930	6,385,728	34,073,553	265,816	1,892,789	1,296,160	1,927,214	7,817,513	2,292,402	5,953,767	1,245,349	39,836,209	96,354,956
Totals, 1931	5,236,543	28,809,385	155,494	1,134,356	941,410	1,809,671	5,932,146	1,795,813	4,970,315	1,329,472	37,530,946	84,172,614
Totals, 1932	4,184,299	22,063,901	156,729	1,112,475	729,324	1,617,748	5,031,977	1,550,168	4,732,154	1,107,219	34,993,615	72,911,581
Totals, 1933	3,878,795	10,893,280	162,039	1,118,179	715,747	1,691,956	4,938,804	1,709,294	4,862,485	1,215,058	33,340,000	69,399,823
PROVINCE, 1934.												
Prince Edward Island	8,515	55,376	186	1,530	—	3,293	11,587	8,259	—	3,690	16,390	100,125
Nova Scotia	367,665	1,444,490	1,230	14,019	—	143,188	353,440	31,693	419,714	351,771	1,182,220	3,940,541
New Brunswick	310,826	1,430,643	1,253	10,001	—	21,074	138,842	86,587	30,395	58,982	1,285,488	3,062,672
Quebec	1,113,832	6,428,746	114,928	671,567	—	263,719	1,717,650	511,038	1,201,049	242,248	17,255,397	28,292,614
Ontario	2,126,220	11,947,582	52,367	437,939	25,835	1,021,850	1,718,292	478,177	3,537,107	763,693	13,605,476	33,536,031

32.—Fuel and Electricity Used in the Manufacturing Industries of Canada, 1921-31, with Details by Provinces and Groups, 1934.—Conc.

Province or Group.	Bituminous Coal.		Anthracite Coal.		Lignite Coal.	Coke.	Fuel Oils.	Wood.	Gas.	Other Fuel, Including Gasolene.	Cost of Electricity. ¹	Total Fuel and Electricity.
	Short tons.	\$	Short tons.	\$	\$	\$	\$	\$	\$	\$	\$	\$
Manitoba.....	67,477	422,692	9,572	97,617	341,993	28,741	189,314	120,784	105,045	40,538	807,142	2,153,866
Saskatchewan.....	149,050	653,762	567	4,461	180,399	59,591	262,505	66,529	33,518	21,693	451,758	1,734,216
Alberta.....	85,446	204,266	113	796	240,203	18,062	78,349	32,992	325,392	38,166	492,430	1,430,656
British Columbia and Yukon.....	72,079	366,922	162	1,904	2,354	144,186	1,055,923	187,065	118,580	431,220	3,279,127	5,587,281
Totals, 1934.	4,301,110	22,954,485	180,378	1,239,894	796,904	1,704,304	5,525,992	1,523,724	5,771,460	1,952,001	38,375,428	79,838,002
INDUSTRIAL GROUP, 1934.												
Vegetable products.....	536,157	2,901,954	48,025	408,126	158,445	403,640	601,923	422,992	644,842	193,886	3,188,155	8,923,963
Animal products.....	306,196	1,749,397	4,411	42,214	228,868	9,602	188,947	429,706	86,012	111,790	1,596,366	4,442,902
Textiles and textile products.....	472,830	2,825,985	33,306	175,102	34,038	62,964	288,341	67,221	90,913	115,686	3,138,195	6,798,445
Wood and paper products.....	1,112,024	6,162,391	56,924	337,075	15,217	27,917	925,925	290,253	138,543	712,374	17,196,111	25,805,806
Iron and its products.....	722,069	3,475,947	22,891	159,321	187,022	389,057	989,426	46,570	1,522,267	195,278	3,913,154	10,878,042
Non ferrous metal products.....	114,209	643,159	4,298	37,514	—	89,854	318,170	3,114	136,453	25,410	4,111,166	5,364,840
Non-metallic mineral products.....	453,759	2,497,246	3,140	26,418	6,316	672,201	1,707,460	201,660	3,101,447	166,952	2,537,634	10,917,334
Chemicals and chemical products.....	255,087	1,317,834	5,584	38,028	4,529	42,729	154,639	23,682	23,656	87,603	2,145,533	3,837,233
Miscellaneous industries.....	35,877	217,815	1,799	16,096	1,489	6,340	45,843	4,878	18,826	7,416	549,114	867,817
Central electric stations.....	292,842	1,162,757	—	—	154,880	—	305,228	33,648	9,501	335,606	—	2,001,620

¹ Cost of electricity for central electric stations excluded.

² Cost of electricity not available.

³ Does not include cost of electricity.

Section 5.—Manufacturing Industries in Cities and Towns.

The prosperity of most of the cities and towns of Canada, especially in the East, is intimately connected with their manufacturing industries, which provide employment for a large proportion of their gainfully occupied population. In the West the cities are more largely distributing centres, though manufactures are rapidly increasing there also.

Table 33, indicating the extent to which the manufacturing industries of Canada are concentrated in urban centres, shows by provinces the proportion of the gross manufacturing production contributed by cities and towns having a gross production of over \$1,000,000 each. In the more highly industrialized provinces of Ontario and Quebec such cities and towns account for about 92 p.c. of the total, while in British Columbia and the Maritime Provinces, where sawmilling, fish-packing, and dairying are leading industries, the proportion falls to 64 p.c. and 62 p.c. respectively. In the Prairie Provinces manufacturing is largely confined to a few large urban centres.

33.—Cities and Towns with a Gross Manufacturing Production of over \$1,000,000 each, Number of Establishments and Total Gross Production in such Cities and Towns as a Percentage of the Grand Total, by Provinces, 1934.

NOTE.—Statistics published in this table are in some cases higher than the figures published in Table 35, since, in the table below are included statistics of towns with less than three establishments and production of over \$1,000,000 each. It was not possible to publish this information in Table 35 without disclosing the operations of individual establishments. The statistics in this table do not include central electric stations.

Province.	Cities and Towns with a Gross Production of over \$1,000,000 each.	Establishments Reporting in Cities and Towns Producing over \$1,000,000 each.	Total Production in Cities and Towns Producing over \$1,000,000 each.	Total Production in each Province.	Production in Cities and Towns as a Percentage of Total Production in each Province.
	No.	No.	\$	\$	p.c.
Prince Edward Island.....	1	39	1,322,500	3,022,841	43.7
Nova Scotia.....	9	278	36,308,109	55,939,811	64.9
New Brunswick.....	7	254	31,023,662	50,986,279	60.8
Quebec.....	47	3,513	645,206,811	719,679,753	89.6
Ontario.....	96	6,212	1,125,624,036	1,211,826,986	92.8
Manitoba.....	4	664	85,115,600	98,979,326	86.0
Saskatchewan.....	4	228	30,797,671	38,032,321	81.0
Alberta.....	5	361	53,477,612	64,821,919	82.5
British Columbia.....	7	1,054	105,860,401	166,006,105	63.5
Canada.....	180	12,603	2,114,736,462	2,409,295,341	87.8

The five chief manufacturing cities of Canada are Montreal, Toronto, Hamilton, Vancouver and Winnipeg. Statistics showing the trend of production in these cities during the latest five years for which the figures are available are given in Table 34. According to the Census of 1931, Hamilton was proportionately the most largely dependent of these cities upon manufacturing industries. About 45 p.c. of its gainfully employed population was employed in manufacturing, as compared with 28 p.c. in Toronto, 27 p.c. in Montreal, 18 p.c. in Winnipeg and 16 p.c. in Vancouver.

Eighteen other important cities with a gross production of manufactured goods of over \$15,000,000 in 1934 were as follows, in descending order of the value of their products: Montreal East, London, Oshawa, Kitchener, Walkerville, East Windsor, Quebec, Calgary, Three Rivers, Ottawa, Sarnia, Peterborough, Edmonton, St. Boniface, New Toronto, Saint John, Brantford and Niagara Falls. Statistics of manufactures of cities and towns with a gross production of \$1,000,000 and over and with three or more establishments are given for 1934 in Table 35.

34.—Principal Statistics of the Manufacturing Industries of the Five Leading Manufacturing Cities of Canada, 1930-34.

City and Year.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Montreal.....1930	1,825	485,332,181	98,905	115,753,191	250,718,415	532,404,756
.....1932	2,088	363,851,307	78,633	80,734,197	147,093,263	310,502,225
.....1933	2,226	363,342,078	80,212	74,150,933	148,504,215	300,636,197
.....1934	2,360	373,098,770	88,131	84,228,834	185,459,720	361,058,212
Toronto.....1930	2,320	524,161,983	94,745	121,221,281	253,974,080	521,540,080
.....1932	2,370	417,748,359	76,652	88,204,053	147,010,861	323,326,758
.....1933	2,604	388,995,096	75,645	80,855,883	146,286,472	308,983,639
.....1934	2,627	392,080,083	81,629	89,560,170	174,820,861	357,706,747
Hamilton.....1930	439	214,227,256	31,053	39,661,672	75,785,992	166,910,535
.....1932	445	176,981,408	21,733	23,378,011	31,372,679	83,068,855
.....1933	469	171,625,714	21,524	21,523,337	35,672,272	83,530,255
.....1934	494	174,755,759	24,072	25,772,958	44,548,853	100,272,872
Winnipeg.....1930	519	123,781,546	19,749	25,844,816	45,720,081	94,407,201
.....1932	559	70,201,107	16,116	17,426,358	26,989,727	56,415,286
.....1933	600	73,886,398	15,336	15,155,537	28,355,612	59,287,280
.....1934	612	75,513,530	15,745	15,085,206	31,761,326	60,860,444
Vancouver.....1930	681	128,684,902	16,068	20,874,524	45,730,258	90,975,000
.....1932	717	78,670,170	11,851	12,500,703	26,970,636	54,532,881
.....1933	746	74,209,271	12,094	11,754,124	28,588,106	55,160,883
.....1934	773	84,254,515	13,206	13,595,812	34,258,919	63,475,103

¹ Central electric stations not included.

35.—Statistics of Manufactures of Municipalities, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1934.

NOTE.—Statistics in this table do not include central electric stations.

City or Town.	Estab- lish- ments.	Capital Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials Used.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Prince Edward Island—						
Charlottetown.....	39	1,324,428	392	311,630	712,185	1,322,500
Nova Scotia—						
Sydney.....	28	22,869,820	1,574	2,025,377	4,253,868	10,123,057
Halifax.....	108	13,076,591	2,861	2,948,198	3,907,232	9,698,038
Dartmouth.....	13	5,046,215	399	442,570	3,108,663	4,880,404
Liverpool.....	7	11,340,664	554	801,698	1,194,259	3,852,222
Truro.....	26	3,271,120	961	658,184	1,443,690	2,762,394
Yarmouth.....	29	2,549,084	471	342,638	705,135	1,550,331
Amherst.....	27	3,320,945	500	380,301	637,265	1,220,914
New Glasgow.....	26	3,030,766	565	442,355	409,154	1,162,052
Windsor.....	14	858,139	290	168,877	644,554	1,028,697
New Brunswick—						
Saint John.....	140	21,922,203	3,046	3,083,320	9,659,489	17,176,433
Moncton.....	48	6,478,754	2,002	1,822,219	2,919,967	5,232,298
Edmundston.....	10	11,969,990	489	438,461	972,827	2,640,190
St. Stephen.....	15	2,323,315	591	445,669	966,172	1,840,632
Milltown.....	3	2,920,475	673	487,974	659,785	1,553,817
Bathurst.....	11	6,790,838	427	411,571	566,980	1,485,021
Fredericton.....	27	1,285,508	403	311,941	545,943	1,095,271
Quebec—						
Montreal.....	2,360	373,098,770	88,131	84,228,834	185,459,720	361,058,212
Montreal East.....	13	40,070,842	1,170	1,991,271	27,333,620	38,648,837
Quebec.....	312	46,904,725	8,721	7,328,663	11,202,852	25,952,573
Three Rivers.....	59	54,410,110	5,070	5,027,959	8,701,649	22,246,590
Drummondville.....	28	21,413,131	3,892	3,496,653	4,301,895	12,910,696
La Salle.....	10	24,621,046	1,208	1,383,609	4,833,317	10,633,150
Sherbrooke.....	71	18,741,399	3,988	3,237,905	4,349,839	10,549,029
Shawinigan Falls.....	21	43,959,146	1,791	2,102,457	2,988,153	9,882,876
St. Hyacinthe.....	57	10,516,192	3,320	2,115,736	5,654,767	9,799,521
Magog.....	18	7,588,606	1,641	1,232,426	6,762,508	9,568,934

35.—Statistics of Manufactures of Municipalities, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1934.—continued.

City or Town.	Estab- lish- ments.	Capital Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials Used.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Quebec—concluded						
Hull.....	49	13,891,219	2,229	2,088,100	4,000,224	8,844,517
St. Jean.....	44	10,886,458	2,845	2,207,527	4,391,359	8,753,303
Granby.....	37	10,521,061	2,725	2,064,176	3,517,075	8,719,096
St. Jérôme.....	30	7,586,936	2,048	1,479,035	2,591,125	7,331,565
Arvida.....	3	13,321,688	519	508,135	1,817,686	6,763,445
Valleyfield.....	32	10,613,413	2,810	1,846,115	3,324,138	6,603,040
Laçhine.....	38	15,435,953	1,814	2,231,601	2,873,772	6,068,462
Grand Mère.....	13	15,813,927	1,373	1,076,555	1,767,181	4,459,442
Kenogami.....	6	15,212,665	830	1,116,713	1,609,120	4,112,063
La Tuque.....	13	10,701,008	703	779,782	1,742,228	4,048,763
Westmount.....	10	2,091,461	950	1,109,002	1,220,240	3,469,627
Belleil.....	11	2,545,507	297	323,185	1,331,108	3,330,734
Buckingham.....	12	10,174,508	462	584,296	1,167,735	2,922,963
Louisville.....	11	2,023,854	1,094	700,741	1,566,643	2,744,822
Brownburg.....	7	1,594,118	548	542,526	858,432	2,591,161
Cowansville.....	11	2,530,754	996	682,518	1,140,293	2,574,081
Windor.....	10	6,000,988	560	463,223	681,592	2,246,878
Laçhute.....	12	3,537,132	522	411,812	855,833	2,227,734
Dollbeau.....	6	9,300,958	269	384,891	795,214	2,185,738
East Angus.....	8	6,329,103	671	576,929	969,707	2,143,251
Barnham.....	13	3,945,109	615	446,567	1,160,034	2,142,898
Victoriaville.....	26	2,235,810	1,127	708,088	799,059	2,106,310
Verdun.....	2	2,702,962	916	744,527	688,460	1,862,533
Laçhette.....	44	1,670,380	817	486,328	787,108	1,716,588
Montmagny.....	19	2,612,845	625	361,880	713,325	1,637,817
Port Alfred.....	3	19,519,605	290	367,321	501,426	1,593,726
Coutiscook.....	20	2,062,531	689	331,942	898,521	1,569,152
Beauharnois.....	10	3,217,590	399	361,300	539,163	1,516,961
Outremont.....	8	1,636,607	360	341,540	729,725	1,476,933
Can de la Madeleine.....	10	868,027	433	211,349	761,066	1,432,185
Plessisville.....	15	1,038,498	354	199,141	609,523	1,076,655
Ontario—						
Toronto.....	2,627	392,080,083	81,629	89,569,170	174,820,861	357,706,747
Hamilton.....	494	174,755,759	24,072	25,772,958	44,548,553	100,272,872
London.....	245	36,898,295	8,221	8,464,833	14,488,112	34,329,663
Oshawa.....	42	19,241,638	4,813	6,882,525	21,891,578	34,078,993
Kitchener.....	150	31,068,175	7,612	7,025,469	14,461,710	32,457,830
Walkerville.....	72	27,061,036	3,883	4,668,434	19,451,113	30,492,705
East Windsor.....	12	15,700,078	4,505	6,038,388	18,201,787	28,729,868
Ottawa.....	203	35,355,381	6,196	6,930,886	8,943,380	20,926,212
Sarnia.....	48	20,881,593	2,887	3,284,259	10,345,557	20,331,006
Peterborough.....	81	20,672,345	4,110	3,687,676	10,908,779	20,101,818
New Toronto.....	21	25,351,848	2,337	3,063,548	8,016,362	17,863,590
Brantford.....	105	36,326,284	5,379	4,852,707	8,459,993	17,139,062
Niagara Falls.....	69	25,825,945	2,527	2,828,293	5,331,730	16,096,997
Cornwall.....	44	22,490,523	4,241	3,901,413	5,146,719	14,814,866
Windsor.....	167	15,606,151	2,996	3,007,883	5,287,941	13,965,631
St. Catharines.....	98	16,476,389	3,759	3,890,596	5,850,075	13,578,795
Welland.....	41	19,141,213	3,009	2,860,719	4,653,540	11,746,222
Sault Ste. Marie.....	46	44,866,401	2,235	2,612,402	5,123,568	11,534,347
Geolphi.....	93	13,369,844	3,511	2,980,637	5,075,677	11,442,980
Thorold.....	19	24,293,203	1,335	1,788,876	3,512,440	8,851,005
Galt.....	80	12,915,999	3,320	2,855,930	3,798,372	8,839,002
Chatham.....	58	9,457,752	1,697	1,573,159	5,782,192	8,815,484
Leamington.....	18	4,499,820	870	660,530	3,475,345	7,408,892
Stratford.....	61	7,889,778	2,401	2,180,460	4,087,824	7,120,643
Woodstock.....	50	6,575,249	2,022	1,760,529	3,540,682	6,888,881
Simcoe.....	28	6,708,507	854	803,480	4,019,413	6,278,125
Brockville.....	30	5,216,219	748	789,319	3,414,177	4,890,632
Kapuskasing.....	5	32,138,164	750	1,144,241	1,764,771	4,865,160
Tilbury.....	9	1,266,757	491	159,208	3,172,892	4,618,915
Port Arthur.....	25	14,625,634	827	1,089,392	2,229,017	4,541,437
Preston.....	32	5,332,721	1,416	1,298,387	2,214,512	4,479,371
Leaside.....	18	7,494,497	970	1,180,964	1,637,202	4,386,082
Waterloo.....	35	9,808,206	1,064	959,214	1,768,811	4,264,181
Kingston.....	66	7,663,491	1,175	1,064,154	1,888,430	4,637,560
Merrittton.....	9	5,109,425	758	935,394	1,613,984	3,890,165
Owen Sound.....	56	5,470,274	1,351	1,045,787	2,070,252	3,812,479
Chippewa.....	3	1,154,661	242	309,257	802,050	3,682,367
Paris.....	20	5,148,292	1,161	920,863	1,592,717	3,426,784
Sandwich.....	10	4,699,216	542	742,622	267,439	3,388,833
Windsor.....	17	4,067,602	924	998,460	1,362,527	3,288,068
Port William.....	38	15,260,945	745	876,323	1,212,967	3,142,872

35.—Statistics of Manufactures of Municipalities, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1931.—concluded.

City or Town.	Estab- lish- ments.	Capital Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials Used.	Gross Value of Products.
No.		\$	No.	\$	\$	\$
Ontario—concluded						
Bellefonte.....	45	6,773,980	871	716,338	1,317,342	3,145,102
Goderich.....	14	1,785,766	276	292,646	2,300,880	2,969,984
Ingersoll.....	21	4,274,372	690	640,707	1,494,988	2,789,217
Kenora.....	16	10,589,959	427	518,054	1,619,058	2,777,197
Cobourg.....	26	2,673,721	530	527,488	1,093,235	2,088,992
Perth.....	20	2,991,555	832	801,830	1,236,763	2,636,881
Hawkesbury.....	10	4,371,004	439	503,121	1,169,751	2,631,170
Trenton.....	22	3,365,206	589	470,531	1,448,913	2,621,955
St. Marys.....	18	5,169,967	398	431,765	1,122,210	2,620,579
Newmarket.....	13	3,505,260	685	622,140	1,741,948	2,611,205
Hospeler.....	16	4,114,062	1,038	785,788	1,234,383	3,485,464
Fergus.....	11	1,294,801	699	683,555	1,222,097	2,437,976
Bowmanville.....	13	3,316,084	500	471,836	998,105	2,411,595
St. Thomas.....	40	3,178,365	830	749,074	887,945	2,373,172
Dunnville.....	21	3,253,308	764	670,539	1,111,646	2,335,956
Brampton.....	22	2,293,240	773	642,954	1,148,863	2,235,060
Petrolia.....	11	2,122,067	166	198,515	1,408,939	2,235,761
Port Credit.....	4	4,114,986	216	271,699	1,309,284	2,209,164
Kennew.....	20	2,022,485	680	546,969	806,375	2,181,032
Port Frances.....	9	7,525,952	548	555,996	1,229,243	2,160,269
Amherstburg.....	10	10,750,124	286	357,617	414,932	2,157,426
Weston.....	21	3,606,689	590	712,142	906,588	2,116,516
Huntsville.....	12	2,383,777	362	201,079	1,161,701	2,091,521
Pembroke.....	38	4,051,411	820	526,089	1,023,905	2,067,764
Georgetown.....	12	2,407,155	455	417,477	1,077,628	1,989,631
Delhi.....	7	910,864	224	149,807	1,736,991	1,980,707
Port Erie.....	33	2,181,648	268	300,383	867,516	1,965,283
Port Hope.....	30	2,013,123	523	530,879	498,348	1,680,712
Orillia.....	34	2,883,223	530	468,269	795,103	1,651,813
Amprior.....	16	2,054,252	401	365,797	590,063	1,632,017
Barrie.....	21	1,345,141	378	310,675	1,068,818	1,567,746
Hanover.....	15	2,830,716	588	461,741	875,887	1,561,838
Carleton Place.....	13	1,520,494	676	518,949	721,808	1,548,768
Aurora.....	8	1,291,630	368	353,011	917,990	1,502,548
Lindsay.....	32	1,768,117	465	385,323	744,424	1,494,845
Midland.....	15	1,780,126	280	196,863	1,100,992	1,494,587
Aylmer.....	11	1,015,613	180	166,953	727,750	1,292,111
Dundas.....	20	3,089,216	465	468,169	812,875	1,284,790
Humbersone.....	4	819,282	401	320,812	732,338	1,257,067
Onkville.....	19	1,529,537	385	355,280	655,472	1,253,684
Tilsonburg.....	17	1,205,400	329	270,068	705,557	1,223,742
Strathroy.....	14	1,229,511	273	195,013	760,333	1,149,973
Smithburg.....	29	2,040,305	311	323,008	454,353	1,148,386
Listowel.....	15	633,610	337	222,724	687,213	1,145,871
Chesterville.....	4	587,904	65	60,545	619,548	1,124,856
Tavistock.....	9	440,219	175	122,350	915,908	1,102,528
Ayr.....	7	704,063	104	89,530	437,425	1,025,775
Kincardine.....	13	1,185,540	396	282,813	638,702	1,018,731
Manitoba—						
Winnipeg.....	612	75,513,530	15,745	15,985,206	31,761,326	60,560,444
St. Boniface.....	42	10,263,504	1,472	1,819,945	13,691,536	18,558,284
Transcona.....	3	6,842,774	1,358	1,435,829	2,314,500	4,075,366
Portage la Prairie.....	7	566,726	94	89,541	964,252	1,321,566
Saskatchewan—						
Moose Jaw.....	37	12,819,319	824	903,029	7,703,026	10,850,639
Regina.....	96	11,073,914	1,645	1,859,753	5,004,082	9,298,625
Saskatoon.....	74	7,508,577	1,124	1,235,356	5,069,449	8,354,448
Prince Albert.....	21	2,281,099	345	345,602	1,534,804	2,293,959
Alberta—						
Calgary.....	160	29,657,531	4,091	4,328,896	16,041,206	25,293,375
Edmonton.....	154	17,383,819	3,573	3,822,881	12,233,785	19,090,729
Medicine Hat.....	20	5,437,683	446	459,143	3,171,761	4,449,130
Lethbridge.....	25	2,554,143	304	367,064	725,119	2,277,977
British Columbia—						
Vancouver.....	773	84,254,515	13,206	13,595,812	34,258,910	63,475,103
New Westminster.....	79	12,941,179	1,985	1,912,336	6,056,557	10,386,562
Victoria.....	134	10,171,244	1,899	1,973,317	2,195,182	6,256,963
Prince Rupert.....	18	4,475,354	266	367,075	1,187,092	1,880,000
North Vancouver.....	21	3,908,228	380	430,924	777,411	1,550,735
Port Alberni.....	9	1,414,476	355	394,759	607,965	1,528,808

36.—Principal Statistics by Counties and Census Divisions, 1934.

NOTE:—Statistics in this table do not include Central electric stations.

County.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Value of Products.
	No.	\$	No.	\$	\$	\$
Prince Edward Island—						
Kings.....	70	203,226	226	76,769	351,140	508,995
Prince.....	92	559,952	272	111,271	539,037	774,226
Queens.....	99	1,533,369	540	355,109	1,031,244	1,739,620
Total.....	261	2,396,547	1,038	543,149	1,921,421	3,022,841
Nova Scotia—						
Annapolis.....	44	676,610	242	125,975	270,057	679,957
Antigonish.....	19	137,998	78	36,909	175,687	264,910
Cape Breton.....	87	23,790,642	1,870	2,201,002	4,398,075	10,825,424
Colechester.....	88	4,007,680	1,363	840,545	2,056,655	3,836,108
Cumberland.....	101	3,824,882	931	546,673	1,246,665	2,199,512
Dagby.....	82	497,074	380	133,405	455,414	689,744
Guy-boro.....	50	493,017	231	77,462	278,116	412,947
Halifax.....	197	24,205,323	4,137	4,141,378	12,290,997	21,997,932
Hamis.....	71	1,753,162	621	351,574	948,097	1,693,082
Inverness.....	64	171,836	169	41,429	169,489	280,024
Kings.....	83	1,168,496	474	243,284	555,906	1,042,713
Lunenburg.....	138	1,661,949	895	366,882	823,731	1,472,416
Pictou.....	93	10,776,166	1,259	929,431	1,671,376	3,288,508
Queens.....	26	11,797,410	733	890,104	1,329,555	4,166,353
Richmond.....	23	55,147	56	14,893	47,635	77,081
Shelborne.....	56	704,662	374	206,230	698,569	1,207,683
Victoria.....	26	59,815	77	14,811	70,134	109,519
Yarmouth.....	61	2,520,949	592	378,024	810,965	1,765,208
Total.....	1,369	88,318,818	14,232	11,520,611	28,497,123	55,939,811
New Brunswick—						
Albert.....	21	506,110	150	94,016	435,270	775,004
Carleton.....	40	648,620	175	104,798	259,660	405,812
Charlotte.....	73	6,980,537	1,614	1,138,472	2,384,111	4,843,940
Gloucester.....	92	6,951,765	598	440,805	734,878	1,716,474
Kent.....	37	232,412	185	51,526	288,148	390,904
Kings.....	41	694,690	242	141,277	552,795	939,615
Madawaska.....	22	12,823,837	634	510,908	1,120,792	2,880,039
Northumberland.....	50	2,674,994	496	244,276	788,315	1,241,077
Queens.....	15	207,937	103	55,157	159,858	247,004
Restigouche.....	47	23,119,981	1,525	1,522,738	2,666,407	9,197,497
St. John.....	159	23,122,293	3,434	3,378,133	10,133,577	18,216,220
Sunbury.....	6	218,546	88	55,854	106,280	190,247
Victoria.....	23	980,535	228	108,497	196,132	344,347
Westmorland.....	108	8,834,356	2,612	2,328,436	3,692,125	6,897,443
York.....	74	3,792,298	990	726,125	1,139,560	2,700,656
Total.....	808	91,878,911	13,074	10,901,020	21,637,918	50,986,279
Quebec—						
Abitibi.....	48	402,954	180	80,961	221,919	354,244
Argenteuil.....	62	7,473,167	1,523	1,370,488	2,336,778	5,976,553
Arthabaska.....	123	3,893,972	1,623	944,168	1,727,157	3,492,611
Bagot.....	71	1,230,589	502	266,290	567,586	1,685,969
Beauce.....	155	1,514,650	1,178	479,097	1,220,409	2,139,606
Beniharnois.....	56	13,974,153	3,230	2,214,994	3,974,471	8,264,762
Bellechasse.....	84	250,174	109	31,183	211,713	294,321
Berthier.....	69	6,438,343	448	258,457	782,566	1,484,399
Bonaventure.....	82	520,600	331	81,799	256,585	434,040
Brome.....	32	375,836	127	69,847	403,863	570,778
Chambly.....	34	3,243,467	769	619,365	1,064,970	2,335,114
Champlain.....	153	28,279,869	2,956	2,253,810	5,066,030	11,060,298
Charlevoix.....	70	1,066,415	205	133,355	263,031	700,886
Châteauguay.....	28	221,712	71	37,191	322,765	434,097
Chicoutimi.....	130	50,479,738	2,152	2,435,807	4,717,220	13,822,261
Compton.....	67	10,295,087	1,370	1,201,306	2,080,421	4,245,199
Deux Montagnes.....	39	346,575	104	48,595	253,651	382,257
Dorchester.....	122	896,785	248	98,737	658,905	933,262
Drummond.....	85	22,291,921	4,077	3,587,980	4,850,502	13,742,395
Frontenac.....	66	852,774	380	168,563	454,489	777,782
Gaspé.....	154	561,455	537	158,385	597,433	879,467
Hull.....	95	38,274,461	3,407	3,376,888	6,738,796	17,137,065
Huntingdon.....	31	405,021	131	117,981	502,753	751,293

36. Principal Statistics by Counties and Census Divisions, 1934—continued.

County.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Value of Products.
	No.	\$	No.	\$	\$	\$
Quebec—concluded						
Iberville.....	29	320,184	148	69,994	341,029	501,370
Joliette.....	112	5,275,082	1,274	787,345	1,658,734	3,322,492
Kamouraska.....	87	434,531	192	55,862	274,252	412,974
Labelle.....	73	579,160	165	72,177	339,822	512,032
Lae St. Jean.....	201	25,341,183	1,012	1,053,557	2,428,232	5,541,420
Laprairie.....	23	5,711,714	350	287,115	514,580	1,155,604
L'Assomption.....	50	738,535	330	144,953	356,555	636,366
Levis.....	60	3,480,605	809	583,214	1,100,002	2,125,784
L'Islet.....	79	792,635	215	118,272	222,024	505,934
Lorimbère.....	86	517,336	250	81,946	627,568	837,212
Maskinongé.....	78	2,364,530	1,203	735,718	1,849,523	3,122,263
Matane.....	124	1,294,110	685	307,942	681,080	1,269,765
Mégantic.....	99	1,664,111	634	323,738	1,108,668	1,832,573
Missisquoi.....	48	7,510,205	2,101	1,604,802	2,616,981	5,975,505
Montcalm.....	56	568,190	156	60,247	396,613	580,417
Montmagny.....	71	2,966,480	750	432,751	938,453	1,963,385
Montmorency.....	54	1,352,986	131	66,057	139,128	262,106
Montreal and Jesus Island.	2,503	465,921,610	95,810	92,626,018	223,929,265	424,897,131
Napierville.....	19	629,393	161	69,363	668,202	998,327
Nicolet.....	125	978,621	349	146,448	1,061,388	1,428,204
Papineau.....	85	11,045,523	669	670,254	1,808,644	3,588,181
Pontiac.....	33	263,772	83	34,358	259,027	360,181
Portneuf.....	218	9,262,468	1,253	876,937	1,829,359	4,291,328
Quebec.....	364	52,743,494	10,591	8,657,523	13,996,004	31,574,096
Richelieu.....	67	2,768,356	1,201	891,227	809,429	2,095,260
Richmond.....	99	14,475,487	1,281	952,345	2,155,395	4,883,571
Rimouski.....	63	685,913	281	108,261	309,617	527,151
Rouville.....	62	1,316,019	617	305,795	1,095,313	1,620,213
Saguenay.....	74	2,076,099	435	261,561	321,715	603,036
Shedford.....	102	12,067,080	3,204	2,355,292	4,539,800	10,322,125
Sherbrooke.....	85	19,225,997	4,105	3,350,271	4,638,652	11,036,226
Soulanges.....	26	204,749	64	26,803	245,164	313,738
Stanstead.....	84	11,148,509	2,808	1,952,706	8,612,238	12,817,263
St. Hyacinthe.....	105	10,825,067	3,449	2,163,208	6,046,559	10,341,316
St. Jean.....	51	11,138,659	2,937	2,331,902	4,585,507	9,015,558
St. Maurice.....	126	98,606,126	6,937	7,160,427	11,898,411	32,416,870
Temiskaming.....	32	32,161,171	1,160	1,493,870	6,406,972	16,947,028
Terrebonne.....	168	3,049,872	856	475,270	1,034,540	1,891,991
Toronto.....	129	11,906,974	2,886	2,107,591	3,798,066	9,910,602
Verdun.....	30	180,321	60	34,713	161,095	250,992
Verdun.....	47	3,024,057	577	480,428	1,773,352	4,072,234
Wolfe.....	80	368,865	160	64,398	389,301	537,578
Yamoucheville.....	72	330,806	117	37,998	391,452	483,692
Total.....	8,635	1,039,696,393	178,114	156,295,964	357,751,729	710,679,753
Ontario						
Addington.....	15	529,175	82	45,887	190,699	403,304
Algoma.....	100	46,223,015	2,489	2,779,270	5,492,087	12,273,294
Brant.....	148	41,685,587	6,604	5,818,709	10,433,030	21,122,282
Bruce.....	150	5,899,675	1,581	1,094,524	2,929,266	4,691,010
Carleton.....	290	36,338,560	6,489	7,128,470	9,085,021	22,068,723
Cochrane.....	66	64,970,808	2,478	3,109,447	4,758,358	12,275,509
Dufferin.....	42	942,664	248	156,400	718,334	1,037,847
Dundas.....	79	1,284,637	310	245,771	1,399,695	2,339,479
Durham.....	80	5,543,714	1,118	1,080,568	1,931,284	4,694,566
Elgin.....	94	4,772,762	1,201	1,025,942	2,329,437	4,623,082
Essex.....	342	88,184,952	14,329	17,059,016	51,468,296	92,963,630
Frontenac.....	140	8,201,323	1,331	1,135,805	2,573,547	4,872,617
Glengarry.....	91	474,488	191	89,176	617,596	778,150
Grenville.....	69	3,404,254	605	585,510	2,241,208	3,749,547
Grey.....	190	10,531,074	2,584	1,888,639	4,550,813	7,763,429
Haliburton.....	69	3,959,797	929	791,441	2,051,901	3,692,772
Haliburton.....	11	151,259	78	37,599	40,272	163,428
Halton.....	88	8,134,911	1,592	1,297,505	3,108,208	5,852,904
Hastings.....	206	23,113,210	2,392	1,794,024	5,748,240	11,200,316
Huron.....	147	4,130,327	950	739,351	4,373,883	6,141,269
Kenora.....	43	19,902,902	941	1,039,701	7,273,526	10,428,794
Kent.....	132	14,358,300	2,842	2,660,003	7,719,468	13,014,655
Lambton.....	131	24,175,409	3,420	3,696,678	18,677,958	24,057,685
Lanark.....	120	7,394,216	2,314	1,962,769	3,097,542	6,250,510
Leeds.....	143	7,765,974	1,184	1,152,734	4,525,967	6,641,723
Lennox.....	60	1,147,455	323	250,066	703,257	1,300,358

36.—Principal Statistics by Counties and Census Divisions, 1934—continued.

County.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Value of Products.
	No.	\$	No.	\$	\$	\$
Ontario—concluded						
Lincoln.....	170	25,105,123	5,325	5,324,794	8,912,668	19,997,822
Manitoulin.....	12	44,495	28	13,575	23,194	40,729
Middlesex.....	346	38,911,452	8,739	8,807,964	16,607,166	37,225,196
Muskoka.....	52	3,498,482	617	450,466	1,365,483	2,815,844
Nipissing.....	47	2,334,550	551	440,529	1,041,228	1,978,665
Norfolk.....	81	8,505,476	1,342	1,090,253	6,424,847	9,237,936
Northumberland.....	138	4,988,214	1,083	883,610	2,484,508	4,870,250
Ontario.....	113	21,278,553	5,200	6,177,866	22,830,172	35,721,550
Oxford.....	175	15,454,300	3,728	3,095,679	8,417,599	14,702,676
Perry Sound.....	71	2,567,138	627	490,698	1,226,394	3,027,092
Peel.....	67	9,364,837	1,295	1,187,085	3,628,484	6,123,749
Perth.....	162	14,423,714	3,341	2,966,307	7,166,271	12,494,453
Peterborough.....	140	22,626,329	4,236	3,717,210	11,243,200	20,710,950
Prescott.....	114	4,755,291	622	574,247	1,865,642	3,481,938
Prince Edward.....	71	3,098,745	575	265,214	1,354,718	2,085,570
Rainy River.....	30	7,915,543	672	639,774	1,360,349	2,405,351
Renfrew.....	150	11,234,222	2,228	1,645,645	3,310,808	7,205,193
Russell.....	80	485,291	161	73,094	555,361	702,910
Simcoe.....	202	11,122,782	1,815	1,430,730	4,458,491	7,013,934
Stormont.....	101	24,255,788	4,516	4,153,384	6,327,319	16,746,128
Sudbury.....	60	58,228,885	3,349	4,693,260	24,244,748	54,478,778
Thunder Bay.....	95	30,773,277	1,698	2,026,669	3,557,309	7,897,279
Timiskaming.....	65	2,148,592	370	337,662	538,447	1,052,992
Victoria.....	82	2,338,929	693	522,135	1,216,006	2,233,124
Waterloo.....	426	68,324,221	15,312	13,646,557	26,270,554	56,822,148
Welland.....	214	107,852,917	9,394	10,312,042	42,551,357	87,303,753
Wellington.....	194	16,494,882	4,716	4,010,388	7,833,454	16,220,780
Wentworth.....	556	170,134,263	24,811	26,405,837	45,828,928	102,645,095
York.....	2,812	439,817,406	87,286	96,177,594	189,803,549	399,169,278
Total.....	9,872	1,570,397,085	252,935	260,271,279	610,485,807	1,211,826,996
Manitoba—						
Division Number 1.....	22	141,428	53	24,022	276,864	363,156
2.....	25	183,575	54	33,458	220,051	289,383
3.....	25	394,176	74	55,820	290,491	448,648
4.....	10	100,462	17	16,603	69,496	118,648
5.....	19	6,941,087	1,401	1,451,557	2,379,361	4,177,755
6.....	684	90,410,909	17,488	17,835,902	46,728,064	81,950,069
7.....	52	1,588,925	304	259,470	628,584	1,107,489
8.....	17	187,103	47	33,716	240,419	335,428
9.....	21	2,042,410	362	348,568	371,621	1,022,080
10.....	17	229,773	64	42,719	269,604	383,134
11.....	25	182,154	66	48,475	302,741	499,377
12.....	22	150,802	56	31,328	390,027	499,730
13.....	26	314,449	84	51,063	330,076	485,011
14.....	29	104,809	49	20,466	173,981	240,098
15.....	17	138,683	39	10,394	109,254	168,920
16.....	24	3,474,898	490	289,684	1,878,835	6,890,400
Total.....	1,935	166,585,643	29,648	29,559,395	54,719,469	98,979,326
Saskatchewan—						
Division Number 1.....	30	319,029	67	44,992	193,891	316,302
2.....	22	911,534	112	99,700	223,946	435,374
3.....	18	112,983	24	10,429	23,222	44,467
4.....	9	57,899	20	11,835	29,833	57,967
5.....	30	275,516	87	62,680	579,418	795,580
6.....	117	11,174,800	1,674	1,874,996	5,692,059	9,357,942
7.....	49	12,915,543	844	916,516	7,747,881	10,921,363
8.....	23	609,155	82	73,275	261,107	437,353
9.....	31	623,742	108	87,315	516,408	789,680
10.....	19	152,847	38	25,214	214,370	303,240
11.....	129	8,757,275	1,310	1,341,047	5,478,349	9,387,635
12.....	30	346,407	66	51,968	362,612	530,063
13.....	29	201,562	54	38,685	148,907	248,404
14.....	51	647,264	325	156,907	422,656	742,644
15.....	59	2,641,927	443	400,930	1,833,356	2,759,432
16.....	39	581,373	146	113,975	403,164	659,616
17.....	33	161,771	62	32,298	157,901	244,869
Total.....	718	40,490,567	5,462	5,342,762	24,299,080	38,632,321

36.—Principal Statistics by Counties and Census Divisions, 1934—concluded.

County.	Estab- lish- ments.	Capital.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Value of Products.
	No.	\$	No.	\$	\$	\$
Alberta—						
Division Number 1.....	27	7,353,741	590	652,146	4,479,041	6,455,619
2.....	54	6,773,495	659	722,403	2,450,609	5,369,742
3.....	12	1,806,418	230	224,096	383,315	893,137
4.....	24	174,542	45	79,778	85,483	160,329
5.....	11	64,665	22	13,681	113,742	158,761
6.....	202	32,974,837	4,252	4,470,700	16,433,198	26,191,150
7.....	36	465,750	100	76,289	481,982	657,645
8.....	65	962,222	236	224,310	1,561,315	2,122,414
9.....	44	489,974	242	117,205	282,619	461,669
10.....	34	331,194	75	65,638	528,068	730,280
11.....	204	18,583,997	3,811	3,962,615	12,947,605	20,184,956
12.....	28	216,987	142	62,776	44,722	227,213
13.....	19	123,390	35	18,122	145,796	202,476
14.....	52	194,769	95	35,958	205,492	345,590
15.....	32	454,706	304	156,037	153,304	472,004
16.....	44	245,638	102	41,939	85,296	188,934
Total.....	888	71,316,225	10,940	10,923,693	40,381,587	64,821,919
British Columbia—						
Division Number 1.....	35	1,612,522	628	554,999	617,386	1,554,796
2.....	86	42,034,547	3,496	4,266,870	12,223,838	22,179,809
3.....	84	2,594,948	884	694,622	1,156,063	2,559,423
4.....	988	119,342,686	18,349	18,752,207	52,779,187	93,207,051
5.....	298	31,785,964	5,972	5,812,516	9,631,061	22,451,645
6.....	43	920,115	318	216,327	420,483	852,522
7.....	21	48,924,443	2,357	3,322,929	5,403,732	13,552,093
8.....	59	1,346,688	290	221,166	327,288	580,921
9.....	70	22,358,090	1,360	1,511,043	5,686,600	8,927,608
10.....	4	22,085	7	2,995	2,409	9,700
Yukon.....	6	233,377	34	52,347	44,881	130,537
Total.....	1,694	271,175,465	33,695	35,108,621	88,292,928	166,606,165

APPENDIX I.

Principal Statistics of the Industries Located in the Cities of Montreal, Toronto, Hamilton, Winnipeg and Vancouver, 1931.¹

MONTREAL.

Industry.	Estab- lish- ments.	Capital Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Women's factory clothing.....	296	9,812,257	9,402	7,349,850	18,168,687	30,239,083
Tobacco, cigars and cigarettes....	45	36,117,499	5,259	4,616,053	13,941,536	27,069,654
Slaughtering and meat packing....	22	6,473,786	1,513	1,626,189	16,396,106	19,847,990
Men's factory clothing.....	94	5,542,267	2,908	2,645,165	9,745,528	15,820,094
Railway rolling stock.....	7	28,447,684	6,452	6,541,007	7,133,229	13,955,340
Breweries.....	6	15,881,055	1,337	1,801,445	4,285,935	11,705,321
Biscuits, confectionery, cocoa and chocolate.....	38	8,539,474	2,866	2,172,856	5,361,165	10,634,673
Flour and feed mills.....	4	3,698,646	462	664,008	7,421,371	10,025,019
Leather boots and shoes.....	60	6,931,019	4,701	3,479,505	5,059,329	9,842,218
Printing and publishing.....	22	10,457,196	2,804	3,807,870	1,918,215	9,447,997
Cotton yarn and cloth.....	5	12,352,491	2,142	1,847,228	5,003,327	9,259,311
Electrical apparatus.....	21	17,884,813	3,051	4,046,279	3,735,255	9,146,851
Sheet metal products.....	17	9,485,719	1,705	1,677,404	4,557,121	8,343,349
Butter and cheese.....	11	7,236,923	1,562	1,839,721	3,547,064	7,211,004
Brass and copper products.....	21	7,130,961	985	1,032,967	4,461,552	6,611,856
Bread and other bakery products....	150	5,134,106	2,207	1,873,564	3,026,398	6,439,943
Paints, pigments and varnishes....	18	9,446,910	998	1,422,756	2,723,625	6,386,305
Printing and bookbinding.....	237	8,201,155	2,556	2,647,425	2,061,829	6,130,125
Men's furnishing goods.....	46	3,839,979	2,270	1,428,981	3,495,230	5,781,410
Coffee, tea and spices.....	12	2,691,066	447	564,808	3,138,458	5,719,473
Fur goods.....	94	3,843,770	1,031	1,071,988	3,368,019	5,119,882
Medicinal and pharmaceutical pre- parations.....	47	5,662,187	901	1,058,333	1,671,531	4,764,337
Castings and forgings.....	26	12,035,558	1,328	1,406,727	1,835,148	4,545,100
Hats and caps.....	67	1,856,798	1,629	1,397,370	2,167,193	4,454,975
Aerated and mineral waters.....	34	3,386,997	587	722,938	798,256	4,124,428
Miscellaneous textiles.....	3	6,149,222	680	837,079	1,636,319	4,063,829
Paper boxes and bags.....	19	4,251,428	1,192	1,019,395	1,836,351	3,947,084
Glass products.....	14	6,229,725	918	1,113,591	1,071,169	3,449,658
Cotton thread.....	3	2,267,523	444	449,403	1,115,272	3,064,445
Dyeing, cleaning and laundry work	46	5,249,611	2,014	1,480,471	295,417	2,974,180
Hosiery and knitted goods.....	28	2,404,269	1,214	782,516	1,459,280	2,709,371
Hardware and tools.....	16	3,777,829	582	618,327	835,263	2,576,426
Cotton and jute bags.....	8	1,685,906	313	271,852	1,959,923	2,484,570
Primary iron and steel.....	5	8,879,678	1,086	899,712	980,024	2,424,963
Miscellaneous foods.....	26	1,706,620	415	444,453	1,087,099	2,200,297
Mattresses and springs.....	9	2,361,263	570	639,005	1,144,420	2,063,506
Wire and wire goods.....	10	4,360,835	334	301,184	338,088	2,049,576
Furniture.....	50	2,178,491	907	753,218	903,014	2,020,729
Fruit and vegetable preparations....	19	1,079,535	481	375,190	1,128,904	1,936,131
Toilet preparations.....	18	1,191,917	329	336,975	652,960	1,886,738
Hubber goods, including footwear....	3	4,288,776	496	459,022	684,951	1,881,525
Miscellaneous paper goods.....	22	2,421,523	494	551,442	767,989	1,789,713
Lead, tin and zinc products.....	12	1,061,209	147	183,841	989,420	1,590,671
Shipbuilding and repairs.....	3	7,171,581	558	712,405	459,234	1,553,615
Lithographing.....	8	2,053,643	435	600,325	627,490	1,499,299
Machinery.....	17	2,374,589	400	540,472	664,133	1,497,559
Insoluble oil and oil cake.....	3	1,241,456	89	118,177	1,148,767	1,496,709
Soaps and washing compounds.....	17	1,529,155	260	338,500	727,590	1,421,255
Miscellaneous leather goods.....	29	936,951	619	411,161	711,590	1,417,564
Jewelry and silverware.....	32	847,709	486	459,584	600,604	1,385,111
Cotton textiles, n.e.s.....	19	955,007	351	233,877	704,749	1,063,188
Boilers, tanks and engines.....	6	1,623,279	303	311,743	329,932	1,083,368
Leather gloves and mittens.....	10	723,272	494	347,603	529,983	1,036,006
Clothing contractors.....	89	224,461	1,371	773,098	57,934	1,004,086
Planing mills, sash, doors, etc.....	22	1,868,744	400	343,146	458,839	988,069
Fast, trees and shoe findings.....	5	676,841	383	355,117	240,988	855,893
Engraving, stereotyping and electro- typing.....	21	927,000	378	507,388	137,355	854,855
Fur dressing and dyeing.....	5	481,321	371	336,193	127,001	770,194
Distilleries.....	4	1,420,301	71	137,886	288,410	761,652
Sausages and sausage casings.....	18	428,782	144	132,470	420,448	690,906
Leather tanneries.....	5	973,123	184	162,956	340,495	625,953
Compressed gases.....	4	710,118	89	118,498	56,100	590,684

¹ Statistics for cities and towns do not include central electric stations.

Principal Statistics of the Industries Located in the Cities of Montreal, Toronto, Hamilton, Winnipeg and Vancouver, 1934.—Continued.

MONTREAL—concluded.

Industry.	Estab- lish- ments.	Capital Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Iron and steel products, n.e.s.....	30	606,441	237	187,862	282,684	553,266
Brooms, brushes and mops.....	18	376,887	320	172,644	243,385	510,278
Wooden boxes.....	6	738,810	265	179,039	215,483	465,002
Buttons.....	6	197,078	175	112,129	158,394	363,727
Corsets.....	4	188,696	112	89,498	195,225	362,718
Adhesives.....	5	385,284	65	73,476	168,852	356,407
Leather belting.....	5	442,913	72	83,671	182,651	350,688
Miscellaneous chemical products.....	17	354,823	94	93,377	157,647	247,022
Polishes and dressings.....	9	433,003	63	68,361	180,814	328,447
Electric signs.....	5	1,003,408	141	174,874	56,575	327,142
Cotton and wool waste.....	5	187,280	83	65,420	194,614	317,315
Other dairy products.....	3	420,385	59	61,694	117,951	315,905
Cleaning preparations.....	9	209,270	103	99,956	141,373	303,007
Asbestos products.....	3	757,639	116	91,223	168,157	285,119
Carriages, wagons and sleighs.....	21	430,823	121	109,793	40,480	280,523
Lime.....	3	36,328	47	35,516		271,027
Cement products.....	12	1,092,447	106	88,293	68,282	254,563
Monumental and ornamental stone.....	11	544,231	99	97,375	94,267	262,583
Inks.....	6	189,098	62	71,763	66,210	255,313
Dyeing and finishing of textiles.....	5	216,953	63	61,029	40,790	237,171
Boot and shoe findings.....	5	568,331	64	78,224	66,122	230,251
Oiled and waterproof clothing.....	6	113,517	64	54,639	136,947	230,000
Cooperage.....	7	162,676	47	41,470	111,042	187,152
Stock and poultry foods.....	3	213,628	11	15,908	117,774	147,279
Awnings, tents and sails.....	7	149,004	60	45,052	63,614	131,616
Candles.....	4	171,947	34	31,476	56,243	124,622
Trade composition.....	4	155,542	60	70,364	8,372	123,021
Umbrellas.....	3	88,963	31	26,441	51,215	100,204
Miscellaneous non-ferrous metal products.....	5	143,786	36	39,065	33,823	99,020
Stamps and stencils.....	5	182,502	53	63,272	17,016	97,417
Artificial flowers and feathers.....	5	71,497	111	47,101	32,361	97,226
Miscellaneous non-metallic min- eral products.....	4	257,910	25	24,698	34,441	92,823
Statuary and art goods.....	8	113,804	64	50,464	14,863	86,175
Sporting goods.....	4	77,468	44	32,441	27,097	82,609
Blue printing.....	3	60,285	33	29,980	21,848	76,539
Auto supplies.....	3	80,904	25	24,095	41,242	65,287
Miscellaneous wooden products.....	8	92,618	30	23,449	10,236	58,942
Scientific and professional equip- ment.....	5	33,576	22	20,176	22,426	56,688
All other vegetable products ¹	8	12,036,758	878	1,254,673	11,678,998	17,240,382
All other animal products ²	4	641,264	27	39,327	60,987	244,803
All other textile products ²	5	3,427,884	862	704,465	624,966	1,515,563
All other wood and paper products ²	9	2,348,388	213	208,115	383,492	1,014,402
All other iron and steel products ²	3	283,676	23	23,990	64,576	275,853
All other non-metallic products ²	5	5,592,022	639	931,086	3,061,977	9,327,765
All other chemical products ²	3	2,233,285	59	107,006	341,270	550,672
All other miscellaneous products ²	17	3,285,726	1,023	1,023,443	1,808,724	3,552,206
Total.....	2,360	373,098,770	88,181	84,228,834	185,459,720	361,058,212

TORONTO.

Slaughtering and meat packing....	13	21,530,787	2,655	3,372,784	30,385,420	37,676,055
Electrical apparatus and supplies....	79	18,958,094	4,025	4,360,932	8,782,421	17,937,374
Clothing, factory, women's.....	214	7,299,882	5,916	5,090,044	9,745,017	16,814,544
Biscuits, confectionery, cocoa and chocolates.....	34	19,312,925	3,558	3,821,881	6,469,180	15,756,364
Printing and publishing.....	34	12,764,285	3,729	5,686,237	3,777,515	15,522,928
Printing and bookbinding.....	264	14,495,590	4,189	5,022,927	4,841,575	12,596,860
Bread and other bakery products.....	244	6,967,367	3,074	3,206,228	4,214,519	9,872,365
Clothing, factory, men's.....	25	4,561,534	3,048	3,111,108	4,936,948	9,516,241
Rubber goods, including footwear.....	15	14,502,721	2,319	2,550,588	3,377,903	9,176,634

¹ Statistics for cities and towns do not include central electric stations.² Includes a number of industries with less than three establishments for which statistics cannot be published without disclosing individual information.

Principal Statistics of the Industries Located in the Cities of Montreal, Toronto, Hamilton, Winnipeg and Vancouver, 1934.—Continued.

TORONTO—continued.

Industry.	Estab- lish- ments.	Capital Invested.	Em- ployees	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
No.	\$	No.	\$	\$	\$	\$
Butter and cheese.....	11	7,600,858	1,808	2,187,075	4,141,879	9,062,751
Machinery.....	59	14,239,752	1,793	2,248,425	3,666,083	8,959,023
Coke and gas products.....	3	25,805,407	1,310	1,849,310	2,295,058	7,908,234
Leaves and laces, paper.....	40	7,316,693	1,818	2,004,268	4,362,738	7,797,035
Hosiery and knitted goods.....	36	6,980,787	2,727	2,270,952	3,696,689	7,702,487
Soaps and washing compounds.....	17	4,753,616	755	1,055,770	3,179,521	6,831,449
Paints, pigments and varnishes.....	20	4,845,439	821	1,141,344	2,394,318	6,445,571
Sheet metal products.....	26	9,182,475	1,848	1,920,199	2,924,869	6,249,212
Petroleum products.....	5	7,067,702	192	282,754	4,595,891	6,024,199
Coffee, tea and spices.....	14	4,204,052	608	824,686	4,519,317	5,884,102
Medicinal and pharmaceutical preparations.....	53	6,490,713	1,104	1,289,275	1,919,827	5,639,568
Scientific and professional equip- ment.....	8	3,888,478	721	962,635	2,117,006	5,232,595
Breweries.....	7	7,189,776	647	691,827	1,363,381	5,109,899
Food, miscellaneous.....	33	3,533,397	724	886,018	2,500,547	5,114,070
Fur goods.....	109	3,621,634	894	1,050,143	2,849,613	4,503,667
Miscellaneous paper and wallpaper	39	4,629,973	822	965,943	1,686,660	4,252,065
Flour and feed mills.....	4	1,740,676	186	173,897	3,341,607	4,008,249
Dyeing, cleaning and laundry work	51	5,974,116	2,326	1,946,168	339,234	3,655,001
Leather tanneries.....	8	3,828,260	811	874,882	2,127,371	3,457,244
Auto supplies.....	18	3,105,098	954	1,028,252	1,330,732	3,443,622
Furnishing goods, men's.....	42	2,230,429	1,108	845,451	1,985,112	3,379,253
Aluminium products.....	10	3,438,437	671	715,058	1,937,426	3,347,127
Pulp and paper.....	3	4,012,744	208	440,387	1,426,997	3,322,033
Hats and caps.....	59	1,201,871	1,161	1,062,374	1,519,201	3,188,159
Lithographing.....	19	3,917,500	809	1,222,675	1,190,787	3,063,223
Castings and forgings.....	42	6,928,391	1,125	1,187,173	758,547	2,986,439
Toilet preparations.....	36	2,700,341	386	434,241	995,900	2,959,801
Engraving, stereotyping and elec- trotyping.....	29	3,061,840	946	1,437,254	576,271	2,681,578
Woollen yarn.....	5	2,255,166	615	526,085	1,434,129	2,626,552
Lead, tin and zinc products.....	5	2,619,573	392	385,284	1,615,854	2,583,792
Jewelry and silverware.....	41	2,816,719	713	900,214	1,213,170	2,549,991
Furniture.....	70	2,715,901	889	763,006	889,251	2,345,806
Miscellaneous leather goods.....	38	1,952,640	893	751,246	1,125,353	2,232,263
Aerated and mineral waters.....	19	1,984,025	381	511,033	433,869	2,221,588
Inks, printing and writing.....	16	2,311,432	351	609,234	854,378	2,080,067
Woollen cloth.....	5	2,332,560	490	428,848	1,443,976	2,085,923
Leather boots and shoes.....	22	1,332,367	941	750,429	971,780	1,994,243
Fruit and vegetable preparations.....	21	2,301,509	509	469,139	1,294,171	1,991,301
Planing mills, sash and door fac- tories.....	25	3,094,590	514	476,804	986,138	1,973,596
Mattresses and springs.....	20	1,166,622	465	455,885	995,602	1,799,651
Boilers, tanks and engines.....	8	5,502,977	519	601,408	583,139	1,747,818
Corsets.....	11	1,051,101	502	476,376	732,863	1,653,973
Miscellaneous chemical products.....	31	1,520,124	291	412,111	662,782	1,594,824
Hardware and tools.....	25	2,642,133	486	529,509	433,750	1,547,994
Food, stock and poultry.....	6	933,166	101	138,767	1,065,696	1,403,360
Tobacco, cigars and cigarettes.....	14	1,583,342	580	465,342	687,893	1,391,511
Brass and copper products.....	37	3,143,552	575	597,115	491,902	1,372,752
Carpets, mats and rugs.....	4	3,239,726	389	381,220	434,928	1,148,823
Bags, cotton and jute.....	3	898,055	171	154,824	832,861	1,096,148
Cotton and wool waste.....	6	583,951	140	117,810	662,319	1,075,847
Iron and steel products, n.e.s.....	22	1,509,785	390	375,568	323,619	919,455
Fountain pens and pencils.....	5	778,612	281	280,172	444,772	841,177
Gases, compressed.....	9	1,724,186	175	281,329	95,266	802,766
Cotton textiles, n.e.s.....	15	542,664	201	157,999	465,756	769,923
Polishes and dressings.....	17	436,632	143	168,034	310,788	756,060
Sausage and sausage casings.....	11	387,974	107	99,697	502,142	711,577
Glass products.....	22	802,563	270	257,549	308,728	693,740
Brooms, brushes and mops.....	11	737,787	209	205,589	258,371	653,165
Statuary, art goods and church supplies.....	11	413,131	281	242,339	297,057	649,686
Wire and wire goods.....	12	779,268	135	147,764	392,842	642,290
Miscellaneous non-ferrous metal products.....	8	642,920	211	224,752	151,773	616,138
Dyeing and finishing of textiles.....	9	874,379	199	199,548	154,062	595,602
Typewriter supplies.....	5	656,118	103	182,747	229,415	570,863
Fur dressing and dyeing.....	5	251,429	307	248,339	125,478	548,951
Boxes, wooden.....	7	729,894	211	164,010	237,921	536,651

1 Statistics for cities and towns do not include central electric stations.

Principal Statistics of the Industries Located in the Cities of Montreal, Toronto, Hamilton, Winnipeg and Vancouver, 1934.—Continued.

TORONTO.—concluded.

Industry.	Estab- lish- ments.	Capital Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Stone, monumental and ornamental	18	1,580,555	182	224,190	189,682	535,767
Adhesives	4	618,456	109	206,145	227,540	535,030
Woollen goods, n.e.s.	7	323,118	114	101,428	325,447	512,296
Cleaning preparations	7	296,219	65	70,364	188,713	493,010
Oiled and waterproof clothing	4	448,705	132	116,734	308,590	490,544
Toys and toy equipment	7	244,140	206	136,127	139,341	481,535
Miscellaneous wooden products	21	1,249,917	213	174,160	190,780	480,178
Silk and artificial silk	3	250,805	163	125,174	199,521	434,309
Signs, electric	10	635,876	117	144,699	110,933	385,361
Sporting goods	6	413,324	139	113,357	114,728	379,262
Ice, artificial	7	761,393	74	85,942	9,975	340,265
Coffins and caskets	4	690,104	102	122,043	127,579	356,826
Foots, breakfast	3	198,937	27	22,769	99,801	335,824
Awnings, tents and sails	10	146,753	83	64,892	151,045	318,215
Wine	9	720,887	72	73,186	90,959	314,209
Trade composition	16	489,180	132	197,700	19,887	290,861
Flooring, hardwood	3	309,785	82	69,399	138,700	278,006
Woodenware	3	301,315	120	107,839	120,987	251,589
Belting, leather	4	147,743	43	55,184	150,144	241,265
Cement products	9	494,402	96	89,076	112,567	222,502
Novelties, advertising, and other	9	150,416	92	80,800	88,875	200,396
Clay products from imported clay	5	220,487	78	54,285	39,547	197,569
Gloves and mittens, leather	6	84,129	59	52,502	92,607	178,696
Buttons	4	52,260	94	69,827	58,840	155,031
Stamps and stencils, rubber and metal	8	111,178	73	88,036	17,955	152,922
Sund-lime brick	4	585,221	63	55,579	43,004	146,009
Boot and shoe findings	3	46,689	30	25,478	108,904	138,575
Cooperage	4	107,090	43	23,567	81,759	128,448
Clay products from domestic clay	5	721,397	75	73,066		123,802
Jewel cases and silverware cabinets	7	107,468	39	33,451	40,084	100,107
Musical instruments	7	443,410	78	88,520	46,956	94,076
Fairy products, other	3	54,546	9	17,364	42,570	80,304
Clothing contractors	7	12,091	79	56,433	2,524	77,985
Artificial flowers and feathers	5	149,031	61	37,299	25,385	76,265
Rogalia and society emblems	6	82,136	30	26,407	16,022	60,280
Bicycles	3	63,836	23	24,600	23,276	49,691
Hair goods, animal and human	3	70,034	23	18,928	24,003	48,061
Miscellaneous non-metallic in- eral products	3	132,447	13	10,560	24,669	45,317
Boat building	3	55,333	18	16,393	11,902	35,541
Wood-turning	3	47,092	18	9,169	3,109	14,126
Asbestos products	3	43,032	5	3,405	5,439	9,600
All other vegetable products ¹	7	6,355,090	237	337,412	1,260,247	3,186,869
All other textiles and textile prod- ucts ²	4	1,791,854	319	436,258	862,336	1,440,927
All other wood and paper products ²	7	396,469	93	112,993	258,729	514,221
All other iron and steel products ²	8	22,576,800	1,432	1,742,246	1,266,039	2,763,486
All other chemical products ²	6	2,110,922	138	191,662	507,802	963,666
All other miscellaneous products ²	10	965,943	189	205,370	433,948	1,040,510
Total	2,627	392,060,063	81,629	89,569,176	171,820,861	357,766,747

HAMILTON.

Primary iron and steel	10	33,216,605	2,673	3,937,990	5,085,322	11,240,769
Coke and gas products	3	15,017,276	474	637,181	4,654,023	9,121,850
Electrical apparatus	10	19,785,504	3,026	3,200,530	2,706,855	9,077,790
Hosiery and knitted goods	9	7,699,086	2,964	2,405,420	3,547,003	7,005,307
Cotton yarn and cloth	10	7,546,171	1,678	1,425,427	2,993,448	5,811,917
Wire and wire goods	10	9,604,607	1,325	1,308,756	1,449,714	4,878,683
Tobacco, cigars and cigarettes	3	5,607,098	610	641,618	1,675,063	3,062,162
Sheet metal products	9	2,106,464	453	443,357	1,493,485	2,346,285
Slaughtering and meat packing	5	996,387	239	280,155	1,596,348	2,111,329
Bread and other bakery products	57	1,720,733	707	703,440	938,791	2,094,383
Soaps and washing compounds	7	2,604,512	205	239,151	1,718,883	2,070,516

¹ Statistics for cities and towns do not include central electric stations.² Includes a number of industries with less than three establishments for which statistics cannot be published without disclosing individual information.

Principal Statistics of the Industries Located in the Cities of Montreal, Toronto, Hamilton, Winnipeg and Vancouver, 1934.—Continued.

HAMILTON—concluded.

Industry.	Estab- lish- ments.	Capital Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Machinery.....	14	4,526,599	501	506,431	442,108	1,970,933
Glass products.....	4	2,534,582	704	706,824	760,447	1,945,642
Miscellaneous paper products.....	7	2,298,107	364	456,077	792,518	1,754,124
Fruit and vegetable preparations.....	6	1,312,521	257	194,594	1,079,347	1,484,057
Butter and cheese.....	5	1,193,105	345	462,203	619,234	1,409,197
Clothing, factory, men's.....	4	802,348	405	450,608	592,887	1,240,138
Printing and bookbinding.....	47	1,444,377	328	378,335	426,769	1,127,491
Printing and publishing.....	4	1,709,581	286	420,973	158,187	1,110,644
Castings and forgings.....	11	1,760,349	225	247,162	332,103	798,682
Coffee, tea and spices.....	4	551,865	129	139,820	489,207	749,855
Biscuits, confectionery, cocoa and chocolate.....	11	537,731	162	150,237	301,271	741,428
Hardware and tools.....	12	1,260,796	214	238,479	260,743	739,400
Brass and copper products.....	8	710,315	211	217,917	270,250	735,747
Railway rolling stock.....	4	7,180,320	220	292,766	309,031	591,200
Paper boxes and bags.....	8	535,893	144	105,683	269,177	514,609
Dyeing, cleaning and laundry work	23	812,353	349	253,790	48,089	513,753
Furnishing goods, men's.....	3	381,842	186	132,236	264,999	425,923
Jewelry and silverware.....	4	528,269	160	222,771	139,443	411,296
Brooms, brushes and mops.....	6	465,536	130	105,530	137,238	385,414
Miscellaneous chemical products.....	4	158,125	22	34,240	121,263	330,218
Aerated and mineral waters.....	9	319,263	57	63,110	59,613	279,324
Planing mills, sash and door fac- tories.....	9	797,168	76	87,091	121,509	252,994
Polishes and dressings.....	6	631,232	41	44,384	112,465	207,136
Fur goods.....	7	336,326	45	56,754	108,467	174,298
Hats and caps.....	4	136,743	36	38,730	87,247	148,544
Paints, pigments and varnishes.....	3	116,743	29	23,741	75,337	144,180
Engraving, stereotyping and elec- trotyping.....	4	146,969	52	87,165	13,784	141,641
Clay products from domestic clay	5	263,213	68	55,931	-	138,770
Ice, artificial.....	4	330,257	50	53,216	6,165	134,943
Miscellaneous leather goods.....	4	28,771	23	26,970	87,803	122,002
Furniture.....	14	332,370	66	55,284	19,764	90,157
Clothing, factory, women's.....	3	28,266	21	16,728	62,752	85,950
Stone, monumental and ornamental	7	220,890	23	23,236	17,396	57,492
Awnings, tents and sails.....	3	113,068	20	21,982	10,514	55,554
Auto supplies.....	3	67,187	23	18,734	17,992	48,664
Iron and steel products, n.e.s.....	5	40,177	17	11,990	14,816	39,318
Carrriages and wagons.....	3	120,563	15	15,352	15,244	35,140
Cleaning preparations.....	3	18,578	10	6,018	7,832	16,842
Boat building.....	3	10,700	5	1,085	642	2,193
All other vegetable products ¹	10	8,697,051	849	1,004,135	3,158,456	8,764,577
All other animal products ²	5	404,811	45	44,457	61,567	216,331
All other textiles and textile prod- ucts ²	10	4,019,741	506	501,048	1,339,951	2,397,800
All other wood and paper products ²	19	1,865,976	429	617,617	761,967	2,002,903
All other iron and steel products ²	3	14,624,994	1,122	1,198,599	1,215,938	2,823,389
All other non-ferrous metal prod- ucts ²	5	314,157	79	79,195	167,039	299,918
All other non-metallic mineral products ²	13	1,765,459	349	374,256	561,194	1,501,538
All other chemical products ²	6	2,053,211	164	241,029	697,857	1,505,593
All other miscellaneous products ²	7	273,218	65	65,414	65,096	164,749
Total.....	494	171,755,759	24,072	25,772,958	44,548,853	100,272,872

WINNIPEG.

Slaughtering and meat packing....	5	2,952,496	824	930,931	6,554,500	8,138,742
Printing and publishing.....	24	3,233,699	936	1,377,763	478,873	3,330,282
Bags, cotton and jute.....	5	1,821,062	230	270,332	2,260,878	2,928,992
Printing and bookbinding.....	80	3,707,895	1,101	1,258,871	930,308	2,858,472
Butter and cheese.....	11	3,544,097	567	822,397	1,248,711	2,862,700
Bread and other bakery products.....	71	2,442,835	754	703,828	1,094,862	2,324,015

¹ Statistics for cities and towns do not include central electric stations.² Includes a number of industries with less than three establishments for which statistics cannot be published without disclosing individual information.

Principal Statistics of the Industries Located in the Cities of Montreal, Toronto, Hamilton, Winnipeg and Vancouver, 1934.¹—Continued.

WINNIPEG—concluded.

Industry.	Estab- lish- ments.	Capital Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Flour and feed mills.....	4	4,296,823	203	206,074	1,791,107	2,271,028
Coffee, tea and spices.....	8	1,598,225	168	190,811	1,573,367	2,230,063
Furnishing goods, men's.....	16	923,896	800	527,248	1,333,624	2,014,079
Breweries.....	5	3,922,213	322	411,694	472,367	1,925,785
Biscuits, confectionery, cocoa and chocolate.....	20	2,168,163	501	380,738	808,409	1,773,956
Clothing, factory, women's.....	17	561,107	627	457,807	1,185,674	1,772,152
Malt and malt products.....	4	2,378,717	69	99,171	970,008	1,607,316
Medicinal and pharmaceutical preparations.....	7	1,074,311	138	138,348	471,783	1,297,107
Dyeing, cleaning and laundry work.....	19	1,592,947	784	603,567	119,615	1,232,660
Fur goods.....	20	812,415	300	261,418	704,703	1,138,168
Coke and gas products.....	3	5,568,010	159	196,750	449,187	1,132,998
Mattresses and springs.....	4	862,158	257	273,856	439,118	934,148
Boxes and bags, paper.....	6	1,003,345	199	211,709	488,090	859,101
Aerated and mineral waters.....	9	395,428	110	134,143	162,363	667,253
Soaps and washing compounds.....	5	820,237	107	131,192	294,308	575,560
Foods, miscellaneous.....	4	188,248	55	38,277	392,668	541,011
Clothing, factory, men's.....	8	162,249	161	123,273	344,343	487,884
Furniture.....	31	368,771	205	158,214	236,895	485,170
Paints, pigments and varnishes.....	3	1,552,659	102	126,221	271,524	476,762
Machinery.....	8	814,475	139	136,711	154,286	437,029
Hats and caps.....	13	225,638	154	116,736	238,304	417,936
Hosiery and knitted goods.....	6	454,709	164	121,440	256,402	411,496
Planing mills, sash and door fac- tories.....	6	2,113,644	203	182,106	117,712	409,404
Brass and copper products.....	4	408,099	75	99,471	178,283	398,166
Electrical appliances and supplies.....	9	455,425	118	116,019	170,667	370,887
Sheet metal products.....	6	1,002,018	137	122,056	173,454	368,059
Gloves and mittens, leather.....	4	228,473	165	110,855	208,699	362,536
Engraving, stereotyping and elec- trotyping.....	6	344,828	140	278,432	32,244	353,510
Castings and forgings.....	5	1,695,116	168	186,337	82,827	331,621
Fruit and vegetable preparations.....	4	331,227	84	64,847	144,669	304,362
Miscellaneous leather goods.....	6	289,785	70	61,855	121,247	280,577
Sausage and sausage casings.....	7	117,803	49	46,612	186,114	269,164
Miscellaneous paper products.....	4	389,472	66	64,549	92,894	234,781
Signs, electric.....	4	512,631	64	72,714	26,801	229,591
Miscellaneous chemical products.....	8	167,835	33	39,777	125,604	196,029
Coffins and caskets.....	3	365,161	54	54,357	60,582	176,330
Boxes, wooden.....	6	225,037	104	69,840	57,082	173,782
Boots and shoes, leather.....	5	184,314	73	43,609	94,439	151,120
Carriages, wagons, and sleighs.....	3	192,677	44	40,980	65,828	127,875
Brooms, brushes and mops.....	3	93,331	58	53,367	43,368	117,077
Auto supplies.....	4	61,014	38	33,548	40,009	82,198
Stone, monumental and orna- mental.....	9	112,070	41	36,485	28,130	75,882
Glass products.....	3	57,537	24	19,581	31,264	64,038
Awnings, tents and sails.....	4	20,357	18	10,129	23,565	43,941
Toilet preparations.....	4	30,573	21	18,695	8,728	24,428
Scientific and professional equip- ment.....	5	12,590	10	7,558	4,490	10,012
Stamps and stencils, rubber and metal.....	4	22,063	9	4,929	1,293	15,546
Miscellaneous wooden products.....	3	14,835	6	3,254	5,534	9,967
All other vegetable products ²	7	680,606	49	39,068	295,943	540,489
All other animal products ²	5	416,446	74	76,658	87,815	216,183
All other wood and paper pro- ducts ²	15	860,236	183	212,725	159,515	466,085
All other iron and steel products ²	9	11,613,898	3,218	3,166,027	2,813,212	6,478,495
All other non-ferrous metal pro- ducts ²	5	188,662	20	23,941	99,876	154,883
All other non-metallic mineral products ²	5	2,295,144	60	71,799	252,609	518,159
All other chemical products ²	5	286,737	51	64,941	91,910	283,641
All other miscellaneous products ²	10	270,968	82	78,505	52,608	183,161
Total.....	612	75,513,530	15,745	15,985,206	31,761,326	66,860,444

¹ Statistics for cities and towns do not include central electric stations.² Includes a number of industries with less than three establishments for which statistics cannot be published without disclosing individual information.

Principal Statistics of the Industries Located in the Cities of Montreal, Toronto, Hamilton, Winnipeg and Vancouver, 1934.¹—Continued.

VANCOUVER.

Industry.	Estab- lish- ments.	Capital Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Sawmills.....	23	5,286,206	2,049	1,763,751	3,234,873	6,128,077
Slaughtering and meat packing.....	11	3,979,623	540	601,035	4,233,985	5,237,909
Sheet metal products.....	14	10,469,384	368	435,857	2,608,239	4,108,025
Coffee, tea and spices.....	7	1,620,623	133	149,547	2,798,297	3,764,968
Bread and other bakery products.....	116	2,039,374	946	874,400	1,413,329	2,926,248
Printing and publishing.....	15	2,344,273	798	1,112,345	529,490	2,913,105
Fruit and vegetable preparations.....	10	1,735,240	388	327,250	1,268,431	1,871,264
Coke and gas products.....	3	12,991,722	233	267,457	532,710	1,824,508
Fish curing and packing.....	10	967,512	190	233,827	1,215,062	1,687,907
Butter and cheese.....	8	614,541	163	211,247	822,434	1,510,238
Printing and bookbinding.....	71	1,759,009	456	509,972	403,801	1,326,141
Dyeing, cleaning and laundry work.....	28	1,295,122	747	583,333	98,025	1,154,389
Furniture.....	36	1,258,954	432	369,562	455,026	1,148,629
Biscuits, confectionery, cocoa and chocolate.....	25	723,861	244	203,826	431,557	985,986
Castings and forgings.....	23	1,951,507	367	439,052	294,815	930,291
Wire and wire goods.....	8	1,157,102	110	146,323	528,489	898,002
Boxes and bags, paper.....	7	642,959	156	181,189	394,594	816,806
Planing mills, sash and door fac- tories.....	22	758,019	300	228,737	456,236	766,215
Foods, stock and poultry.....	5	1,993,021	160	157,337	470,457	704,164
Miscellaneous paper goods.....	6	1,002,015	118	120,628	483,864	691,451
Furnishing goods, men's.....	9	229,440	159	110,048	285,229	547,293
Boxes, wooden.....	6	576,348	242	179,971	245,452	519,686
Clothing, factory, women's.....	13	186,877	160	127,270	279,918	475,453
Shipbuilding and repairs.....	8	1,123,444	242	257,221	108,007	473,287
Leather boots and shoes.....	6	287,799	146	124,147	248,197	436,067
Trailers, tanks and engines.....	8	606,165	122	161,069	152,438	404,967
Saws, electric.....	5	537,987	105	147,432	47,752	375,291
Foods, miscellaneous.....	12	229,176	46	44,457	193,553	370,055
Hardware and tools.....	5	334,373	88	95,354	117,980	365,676
Lithographing.....	4	454,665	97	137,566	135,317	358,471
Miscellaneous wooden products.....	10	405,682	108	131,900	158,067	345,574
Paints, pigments and varnishes.....	5	453,206	60	73,210	165,307	325,320
Soaps and washing compounds.....	5	315,350	52	60,643	136,838	310,408
Dairy products, other.....	3	194,493	43	61,405	99,191	277,444
Hosiery and knitted goods.....	3	378,102	114	85,444	101,761	268,930
Mattresses and springs.....	3	226,058	76	86,704	126,487	259,799
Awnings, tents and sails.....	5	316,201	63	63,781	156,515	246,748
Automobiles.....	3	424,938	82	118,715	128,388	218,938
Aerated and mineral waters.....	8	173,485	60	56,561	56,954	188,597
Macaroni, vermicelli, etc.....	4	232,829	38	27,694	113,095	184,185
Brooms, brushes and mops.....	6	248,390	83	70,652	88,588	178,473
Engraving, stereotyping and elec- trotyping.....	9	210,302	79	104,901	24,384	177,662
Ice, artificial.....	5	1,036,206	78	76,050	7,590	161,027
Rice mills.....	4	37,936	9	7,560	108,090	134,458
Boat building.....	6	140,234	69	59,118	41,214	132,803
Sausage and sausage casings.....	5	98,066	28	18,142	92,618	129,863
Machinery.....	9	208,842	54	62,475	34,531	121,327
Tar goods.....	5	129,510	30	32,002	68,977	121,067
Electrical apparatus and supplies.....	4	90,003	34	32,848	52,105	114,110
Miscellaneous leather goods.....	3	143,001	33	31,205	30,307	98,547
Hats and caps.....	4	37,522	27	29,741	36,809	87,581
Coffins and caskets.....	3	141,589	27	30,289	22,837	86,204
Medicinal and pharmaceutical preparations.....	4	15,153	48	53,100	21,000	85,717
Jewelry and silverware.....	5	41,271	40	40,922	33,393	81,612
Cooperage.....	3	106,870	25	24,284	50,281	80,905
Brass and copper products.....	8	88,449	27	28,514	23,741	78,693
Statuary, art goods and church supplies.....	5	43,605	47	30,428	24,952	67,082
Tabacco, cigars and cigarettes.....	7	65,185	30	23,231	37,504	67,065
Automobile supplies.....	4	140,804	27	30,925	32,605	66,916
Stone, monumental and orna- mental.....	7	112,814	25	24,626	14,752	53,135
Glass products.....	7	78,897	21	19,719	11,873	40,101
Stamps and stencils, rubber and metal.....	3	48,102	24	23,265	5,947	39,439
Cement products.....	6	157,771	131	12,223	6,787	20,606

¹ Statistics for cities and towns do not include central electric stations.

Principal Statistics of the Industries Located in the Cities of Montreal, Toronto, Hamilton, Winnipeg and Vancouver, 1931.¹—Concluded.

VANCOUVER—concluded.

Industry.	Estab- lish- ments.	Capital Invested.	Em- ployees.	Salaries and Wages.	Cost of Materials.	Gross Value of Products.
	No.	\$	No.	\$	\$	\$
Sporting goods.....	4	21,547	17	13,828	9,082	20,251
Blue printing.....	4	13,254	15	11,431	4,166	19,516
Miscellaneous chemical products...	3	23,474	7	4,875	9,168	14,242
Iron and steel products, n.e.s.....	3	29,209	6	2,837	3,213	9,155
All other vegetable products ²	12	12,533,135	557	823,220	5,193,573	8,401,980
All other animal products ²	5	163,549	53	52,862	89,653	183,829
All other textiles and textile pro- ducts ²	10	725,123	186	175,280	663,469	955,552
All other wood and paper products ²	11	513,290	98	111,294	111,107	261,024
All other iron and steel products ² ...	4	2,530,170	192	243,636	252,834	628,914
All other non-metallic mineral products ²	5	995,349	49	70,805	1,098,962	1,840,584
All other chemicals and chemical products ²	10	355,828	54	68,550	76,198	290,506
All other miscellaneous products ² ...	7	683,320	69	83,578	140,394	278,795
Total.....	773	84,254,515	13,296	13,595,812	34,258,919	63,475,103

¹ Statistics for cities and towns do not include central electric stations.

² Includes a number of industries with less than three establishments for which statistics cannot be published without disclosing individual information.

APPENDIX II.

Alphabetical List of the Products Reported as having been Manufactured in Canada in 1934.

The appended list of the products of Canadian manufacturing industries presents the value and in most cases the quantity of these products in a new and much more detailed form. Prior to 1927, in presenting statistics of manufacturing production, the whole production of an establishment was taken as a unit. This not only prevented the presentation of production figures for specific products in detail, but also involved numerous inaccuracies in the production statistics of classes of commodities, owing to the fact that commodities which may be the major line of production in one establishment may also be products of secondary importance in another establishment where the major line of production puts the establishment into a different class. The statistics which follow, however, have been compiled by taking from the individual returns of each of the 25,663 manufacturing establishments covered, the value and, when given, the quantity of each commodity specified as produced by the establishment. In this way, detailed production figures are obtained for specific commodities and furthermore the total production of each commodity is brought together, no matter how varied may be the operations in different establishments producing it. Nevertheless it should be pointed out to those making use of these figures that there is one element of incompleteness about them. In the returns of many manufacturers, products of minor importance are grouped under the name "all other products". As will be seen from the group at the end of the list, the value of products not specified, while they may appear unimportant to the individual manufacturer, are, in the aggregate, a large amount, especially in the industries of the iron and steel group. It is obvious that one manufacturer may consider a product of insufficient importance to report separately for his establishment, while that same product may be reported separately by other establishments. In other words, included in the value of other products not specified at the end of the list, there are doubtless values which, had the products been specified by the manufacturer, would have been included in the values of commodities appearing on the list. However, the products not specified total only about .9 per cent in value of the whole manufacturing production, although in the iron and steel group this proportion is 4.3 per cent. With the exception of this group, therefore, the incompleteness of the figures on this account, is insignificant.

There is no duplication in the listing of products, nor do any of the items include products listed in more detail under another name. It is possible, however, that essentially the same commodity produced in different establishments may have been called by different names; in such a case, which is probably a very rare one, the items would appear separately in the following list.

An analysis of the value of the products of Canadian manufactures, similar to this, was made for the first time from the 1927 returns. In the course of further administrative experience it is hoped that it will be possible to reduce considerably the proportion of the products not specified.

Alphabetical List of Products Manufactured in Canada, 1934.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Abrasive cloth and abrasive paper.....	—	—	*
Abrasive wheels.....	—	—	569,764
Absorbent cotton.....	—	—	*
Acetylene.....	Cu. ft.	39,577,618	926,539
Acid, acetic, 28%, 80% and 99½%.....	—	—	*
Acid, calcium phosphate.....	—	—	*
Acid, hydrochloric (Muriatic) 20°.....	—	—	*
Acid, hydrofluosilicic.....	—	—	*
Acid, lactic.....	—	—	72,133
Acid, nitric.....	—	—	*
Acid, phosphoric.....	—	—	*
Acid, sulphuric.....	lb.	403,650,261	2,171,489
Advertising, printed, n.e.s.....	—	—	13,194,353
Advertising novelties (see "Novelties").	—	—	*
Aeroplanes and hydroplanes.....	No.	18	117,689
Aeroplane parts and supplies.....	—	—	248,687
Agricultural implements and parts, not elsewhere specified.....	—	—	1,348,247
Alcohol, denatured.....	prf. gal.	2,282,924	915,731
Alcohol, non-potable.....	—	1,518,928	625,965
Almond paste.....	lb.	79,831	20,577
Almonds, ground, etc.....	—	—	*
Alumina, fused.....	short ton	44,596	3,055,837
Aluminium products, not specified.....	—	—	2,537,132
Ammonia, anhydrous.....	—	—	*
Ammonia, aqua.....	—	—	*
Ammonia liquor.....	—	—	*
Ammonia powder.....	—	—	138,151
Ammonium nitrate.....	—	—	*
Ammonium phosphate.....	—	—	*
Ammonium sulphate.....	short ton	76,292	1,398,251
Ammunition.....	—	—	2,327,303
Anti-freeze.....	—	—	8,747
Apple butter.....	lb.	62,377	6,242
Apple chip and waste.....	"	1,944,779	35,374
Apple juice, concentrated.....	—	—	*
Apples, evaporated.....	lb.	4,447,033	314,157
Aprons, fabric.....	dos.	51,292	180,657
Aprons, leather and rubber.....	—	—	66,753
Arm bands.....	—	—	13,706
Art needlework.....	—	—	110,933
Art work (printing).....	—	—	453,479
Asbestos products, not elsewhere specified.....	—	—	93,585
Asphalt.....	Imp. gal.	25,693,058	2,305,761
Asphalt emulsion.....	—	—	233,887
Asphalt products, not elsewhere specified.....	—	—	84,564
Atomizers, perfume.....	—	—	*
Automobiles, commercial—			
½ ton or less.....	No.	6,206	2,945,213
1 ton and less than 1½ ton.....	"	447	221,089
1½ ton and less than 2 tons.....	"	13,664	6,306,787
2 tons and less than 2½ tons.....	"	3,618	2,757,115
2½ tons and less than 3½ tons.....	"	139	154,589
3½ tons and 4½ tons, inclusive.....	"	76	164,103
5 tons, 5½ tons and over.....	"	27	60,383
Automobiles, passenger—			
convertible cars.....	"	1,597	1,303,611
permanent closed cars.....	"	75,024	51,069,240
permanent open cars.....	"	3,497	1,557,070
Automobiles, special, including buses, ambulances, etc.....	—	—	140,340
Automobile bodies, not specified.....	—	—	3,014,367
Automobile self-starters.....	No.	209,688	780,413
Automobile chassis.....	"	12,529	3,330,235
Automobile trailers.....	—	—	184,416
Automobile parts and accessories, not specified.....	—	—	10,602,541
Automobile cloths.....	—	—	*
Awnings and verandah curtains.....	—	—	423,686
Axes.....	No.	658,826	511,923
Axles, automobile.....	"	103,611	823,535
Axles, not specified.....	—	—	34,740
Rabbitt metal.....	lb.	1,960,446	437,790
Badges, rosettes, buttons, etc.....	—	—	99,577

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value. \$
Bags, fabric—			
Cotton bags.....	No.	48,632,695	4,041,991
Jute bags.....	"	46,629,849	4,381,129
Sleeping bags.....	—	—	95,747
Tea bags.....	—	—	*
Fabric bags, not specified.....	—	—	106,832
Bags, leather and imitation leather—			
Club bags and suit cases.....	No.	223,833	849,355
Hand bags.....	"	1,064,671	1,115,009
Shopping bags.....	"	155,916	97,514
School bags.....	"	105,063	65,075
Bags, paper—			
Glassine and cellophane bags.....	—	—	261,610
Millinery bags.....	—	—	76,178
Self-opening bags.....	—	—	1,301,879
Paper bags, not specified.....	—	—	1,483,113
Bags, rubber, air and steam.....	No.	6,128	45,342
Bags, other, not specified, including repaired bags.....	—	—	181,412
Bakelite and textolite products.....	—	—	806,863
Bale ties: Quantity made.....	short ton	5,021	*
Quantity sold.....	"	5,280	396,896
Balloons.....	—	—	*
Balls, golf.....	doz.	67,309	216,173
Balls, golf, centres for.....	—	—	*
Balls, not specified.....	—	—	209,693
Barley, pot and pearl.....	lb.	4,406,592	115,792
Barley, black.....	—	—	*
Barn and stable equipment, not elsewhere specified.....	—	—	356,527
Barrels, wooden—			
Apple, etc.....	No.	860,938	364,848
Fish.....	"	27,634	21,844
Flour, sugar, etc.....	"	146,020	105,402
Oil, vinegar, water, etc.....	"	187,969	435,108
Whisky, beer, etc.....	—	—	*
Barrels, steel.....	—	—	400,133
Barrels, repaired, etc.....	—	—	36,252
Bars, iron and steel, sheet and tin plate, etc.—			
Quantity made.....	long ton	53,921	—
Bars and plates, iron and steel, tie plates, fish plates, etc.—			
Quantity made.....	"	19,193	—
Quantity sold.....	"	19,981	1,058,715
Bars, steel, for reinforced concrete—			
Quantity made.....	"	24,270	—
Quantity sold.....	"	24,083	1,138,554
Bars, steel, rolled, including spring steel, etc.—			
Quantity made.....	"	108,980	—
Quantity sold.....	"	92,289	5,304,110
Bars, steel, muck and scrap—			
Quantity made.....	"	1,308	—
Bars, steel: long angle splice bars, long fish plate bars, etc.—			
Quantity made.....	"	21,440	—
Basket bottoms.....	—	—	*
Baskets and crates, fruit and vegetable.....	—	—	1,022,003
Baskets, other, not specified.....	—	—	127,846
Bathing cups.....	doz.	50,641	81,390
Bathing suits.....	"	59,962	894,230
Bathrobes and kimonos, lounging jackets, etc.—			
cotton.....	"	4,267	65,096
eiderdown.....	"	15,429	290,111
artificial silk.....	"	3,839	101,014
silk and silk mixed.....	"	4,611	242,502
wool and flannel.....	"	13,180	383,948
not specified.....	"	675	36,004
Bats, baseball.....	No.	42,805	15,801
Batteries—			
Storage, for automobile and other internal combustion engines.....	"	522,132	2,262,960
Storage, for motive power.....	—	—	84,773
Storage, for telephone switch boards.....	No.	1,029	25,025
Storage, for farm lighting plants.....	"	13,291	87,928
Storage, for all other purposes.....	—	—	257,046
Dry-cell, 6-inch.....	No. of cells	1,441,501	398,246
Dry-cell, flashlight.....	"	7,371,893	447,930
Dry-cell, radio, B. and C.....	"	14,856,878	865,119

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Batteries— <i>Concluded</i>			
Not specified	—	—	*
Parts and supplies	—	—	355,832
Battery containers and parts	—	—	599,802
Batting, wadding, flocks and rolls (including auto batts)	—	—	597,472
Beds and couches—			
Metal and iron beds	No.	154,040	774,114
Metal and iron couches	"	61,995	479,779
Metal and iron cribs	"	13,723	88,922
Metal and iron cots and bunks	—	—	19,467
Not specified	—	—	1,292
Bedsprings	No.	146,961	297,715
Beef extract	—	—	—
Beekeepers' supplies, not elsewhere specified	—	—	144,580
Beer, ale, stout and porter—			
Full strength, in barrels	gal.	17,254,796	9,995,620
Full strength, in bottles	"	28,915,563	25,304,492
Under full strength, in barrels	"	87,331	52,587
Under full strength, in bottles	"	132,531	148,370
Beer, spruce	—	—	—
Beet pulp, wet and dried	ton	53,273	232,296
Bells and gongs	—	—	9,472
Belting, cotton	—	—	*
Belting, leather (transmission)	lb.	327,778	545,478
Belts, automobile, fan	No.	786,541	162,498
Belting, rubber, not elsewhere specified	lb.	3,742,769	1,386,041
Belts and aprons, sanitary	dos.	45,169	58,381
Belts, body, not specified	—	—	398,904
Benzol	gal.	3,412,864	621,799
Bicycles	No.	32,647	651,620
Bicycle parts	—	—	*
Billiard tables and billiard supplies	—	—	*
Binders, loose-leaf and other	—	—	110,806
Binders, grain and corn	—	—	1,128,786
Binding and stitching (trade work)	—	—	460,957
Bindings (see also "Tapes")	yard	83,307,439	700,837
Bins and hoppers	No.	59	8,947
Biological products	—	—	234,603
Biscuits, plain and fancy	Ton	33,696	8,709,643
Biscuits, soda	"	12,915	3,461,619
Black, acetylene	—	—	*
Blackboards, asbestos	—	—	*
Blankets—			
Cotton and cotton mixed	pair	898,017	1,534,057
Cotton warp	"	51,159	106,497
All wool	"	230,344	1,042,903
Not specified	"	127,453	191,175
Slumber throws	No.	54,457	167,900
Blankets, horse	"	77,416	151,063
Bleaching compound, not specified	—	—	*
Blocks, butchers'	—	—	*
Blooms, billets and slabs	—	—	1,550,436
Blouses, ruddy	dos.	13,233	69,915
Blouses, women's	"	64,540	951,084
Blouses and shirtwaists, boys'	"	94,220	469,793
Blowers, furnace	—	—	79,308
Blowers, not specified	—	—	26,099
Blow torches	—	—	*
Blue, laundry	—	—	75,941
Blue printing	—	—	174,992
Boats, life and whale	No.	43	17,103
Boats, motor	"	250	298,665
Boats, sail	"	81	34,851
Boats, other, including row boats, skiffs, etc.	—	—	115,601
Boiler compounds	—	—	315,772
Boilers, electric, steam	—	—	*
Boilers, heating	No.	8,689	1,017,537
Boilers, heating and power	—	—	95,786
Boilers, power	—	—	410,662
Boilers, range, galvanized	No.	67,300	445,802
Boilers, not specified	—	—	29,943
Boiler parts and accessories	—	—	244,931
Bologna and blood pudding	lb.	1,069,274	104,847

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Bolsters, railway car.....	—	—	*
Bolt boards.....	—	—	20,423
Bolts, nuts and rivets.....	lb.	41,895,398	2,908,767
Bone, raw, ground, etc.....	—	—	96,750
Books, blank, bound.....	—	—	454,833
Books, printed and bound.....	—	—	1,838,670
Books and pads, drawing, exercise, etc., not elsewhere specified.....	—	—	1,126,575
Books, loose-leaf, and blank books, not elsewhere specified.....	—	—	623,131
Books, ledger and account.....	—	—	311,254
Books, counter check, sales books.....	—	—	703,837
Boron carbide.....	—	—	*
Bottles, thermos.....	—	—	105,444
Bowling alley construction and supplies.....	—	—	*
Box toes.....	—	—	144,184
Boxes, paper—			
Corrugated.....	—	—	6,810,043
Fibre board.....	—	—	892,785
Folding.....	—	—	4,436,577
Mailing tubes.....	—	—	78,478
Not specified.....	—	—	4,658,105
Boxes, wooden—			
Berry boxes.....	No.	34,918,274	117,701
Butter boxes.....	"	1,492,702	311,642
Cheese boxes.....	"	691,521	124,132
Cigar and tobacco boxes.....	"	1,134,479	119,440
Fish boxes.....	"	169,931	55,511
All other boxes and containers, not specified.....	—	—	1,930,293
Brids and gimps.....	—	—	311,385
Brake beams and parts.....	—	—	132,629
Brakes, auto and parts.....	—	—	169,828
Brakes, brake shoes and parts.....	—	—	466,010
Brin.....	ton	237,500	3,883,261
Brass and bronze work, ornamental.....	—	—	53,452
Brass, not specified.....	lb.	131,668	31,128
Bread.....	"	911,510,958	42,825,801
Breakfast foods (see "Cereal Products").			
Bricks, cement.....	M	837	13,949
Bricks, from domestic clay.....	"	86,084	1,384,311
Brick, sand lime.....	"	12,744	135,588
Bronze powder.....	—	—	390,134
Bronze work, architectural.....	—	—	42,261
Brooders.....	—	—	*
Brooms—			
Corn.....	doz.	252,434	965,729
Fibre.....	"	14,153	80,677
Hair.....	"	3,557	42,772
Other.....	"	4,108	14,602
Brushes—			
Made of corn and fibre.....	"	69,495	117,702
Paint.....	"	244,065	627,708
Shoe and clothes.....	"	19,043	46,492
Tooth.....	—	—	235,027
Toilet, of all kinds, not elsewhere specified.....	—	—	218,698
For household purposes.....	doz.	127,831	239,909
For factory use.....	"	27,209	91,230
Other, not specified.....	—	—	218,511
Buckles of all kinds.....	gr.	42,106	33,537
Buckwheat grits.....	lb.	596,775	20,803
Builders' supplies, not elsewhere specified.....	—	—	6,103
Building blocks, hollow cement and cinder.....	—	—	380,898
Buns.....	—	—	2,377,043
Burners, lamp and lantern.....	—	—	25,021
Burners, not specified.....	—	—	20,472
Butter, factory made.....	lb.	234,852,961	48,168,592
Butter, whey, factory made.....	"	1,195,861	208,560
Buttons—			
Celluloid.....	—	—	189,398
Gadulith.....	gr.	114,480	155,867
Ivory.....	"	535,325	281,338
Metal.....	"	363,956	94,229
Pearl.....	"	834,995	260,658
Buttons and buckles not specified.....	—	—	135,645
Button covering, hemstitching, etc.....	—	—	281,894

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1931—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Button moulds.....	—	—	•
Butyl acetate.....	—	—	•
Cabinets, silverware, not elsewhere specified.....	—	—	•
Cables for automobiles.....	—	—	•
Calcium carbide.....	—	—	•
Calcium chloride.....	—	—	•
Calcium cyanamide.....	—	—	•
Calcium hypochlorite.....	—	—	•
Calks, horseshoe.....	—	—	52,755
Cameras.....	—	—	•
Candles.....	—	—	458,344
Candy sticks.....	—	—	•
Cane.....	—	—	•
Cans, paper.....	—	—	•
Cans, tin, of all kinds.....	—	—	14,705,699
Canoes.....	No.	1,454	81,476
Canvas and canvas goods, not elsewhere specified.....	—	—	184,515
Capacitors (static condensers) for power factor correction.....	—	—	•
Cape—			
Cloth.....	dos.	226,821	1,480,859
Cotton.....	"	29,885	28,917
Fur.....	"	5,458	82,437
Leather.....	"	3,775	21,026
Uniform.....	"	5,305	99,213
Not specified.....	"	1,796	10,617
Cape, bottle, metal.....	—	—	1,588,001
Cape, bottle, paper.....	M	1,033,153	435,001
Carbon dioxide, liquid.....	lb.	4,713,997	414,424
Carbon dioxide, solid.....	—	—	•
Carburizing materials.....	—	—	•
Cards, greeting.....	—	—	1,000,896
Cards, playing.....	—	—	•
Cards, printed, not specified.....	—	—	8,218
Carpets, mats and rugs—			
Carpets in rolls, including stair—			
Axminster.....	lin. yd.	227,956	334,255
Wilton.....	"	174,899	443,826
Other, not specified.....	"	122,424	140,878
Carpets in squares, 4' 6" by 7' 6" or larger—			
Axminster.....	—	—	1,056,345
Wilton.....	—	—	349,971
Other.....	—	—	3,253
Small squares and runners—			
Axminster.....	—	—	164,133
Wilton.....	—	—	59,601
Other, not specified.....	—	—	159,269
Rugs, new, made from old carpets.....	—	—	58,260
Rugs, other, including rag hooked rugs.....	—	—	151,589
Carpet sweepers.....	—	—	•
Carrriages, and wagons, complete (see also "Wagons").....	—	—	137,935
Carrriages and sleighs, baby.....	No.	22,573	212,446
Carrriage and wagon bodies and boxes.....	—	—	20,402
Carrriage and wagon materials.....	—	—	300,732
Carriers, litter.....	—	—	•
Cars, electric, railway, new.....	—	—	•
Cars, steam, railway, new.....	—	—	•
Cars, railway, track, motor.....	—	—	•
Cars, dump, hand, push and other, not specified.....	—	—	125,592
Carvings, wood.....	—	—	33,435
Casein, made.....	lb.	2,086,540	209,607
Cases, clock.....	—	—	•
Cases, fibre, not specified.....	—	—	22,470
Cases, first-aid.....	—	—	•
Cases, eye-glass and jewelry.....	—	—	132,564
Cases, leather, of all kinds.....	—	—	74,354
Cases, toilet ware and silverware.....	No.	64,657	18,759
Cases, vanity.....	—	—	•
Cases, not specified.....	—	—	66,145
Caskets.....	No.	65,994	1,773,679
Casks, wine, etc.....	"	5,358	11,562
Castings—			
Aluminium.....	lb.	1,634,240	287,755

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Castings— <i>Concluded</i>			
Brass and bronze.....	lb.	5,054,011	1,031,094
Copper.....	"	66,692	15,112
Grey iron.....	"	86,317,459	4,121,609
Malleable iron.....	"	28,265,713	1,790,544
Iron, not specified.....	"	44,190,000	1,314,693
Steel—			
Quantity made.....	long ton	20,664	—
Quantity sold.....	"	19,532	3,212,559
Castings, not specified.....	—	—	308,699
Castors.....	—	—	123,287
Catalogues, printed, etc.....	—	—	1,914,514
Ceilings and siding, metal.....	—	—	73,077
Cellophane products.....	—	—	1,238,559
Celluloid products, not specified.....	—	—	504,591
Cement, Portland.....	bbl.	3,783,226	5,667,946
Cement, high temperature.....	lb.	4,036,758	131,997
Cement, roofing.....	—	—	14,035
Cement, not specified.....	—	—	43,538
Cement laundry tubs.....	No.	2,993	21,185
Cement, rubber.....	—	—	203,964
Cereal products, prepared.....	lb.	61,393,570	8,693,000
Cereal products, unprepared.....	"	16,418,952	927,106
Certificates, stock, bond, etc., printed.....	—	—	455,207
Chain sprocket.....	—	—	*
Chain, automobile.....	—	—	393,497
Chains, other than automobile.....	—	—	544,291
Chairs, barber, dentist and beauty parlour.....	—	—	*
Chamlets, foundry.....	—	—	14,903
Chappis.....	—	—	*
Charcoal.....	bush.	2,304,433	319,254
Cheese, factory made.....	lb.	99,346,617	9,797,588
Cheese, skim milk, cottage, etc.....	"	1,061,151	65,929
Cheecacloth.....	—	—	195,378
Chemical products, not elsewhere specified.....	—	—	327,942
Chests, cedar.....	No.	20,537	257,659
Chewing gum.....	—	—	*
Chicken, canned (<i>see</i> "Meats, Canned").	—	—	*
Chicory, roasted.....	—	—	*
Children's wash suits and rompers.....	doz.	23,804	254,201
Children's waists.....	"	4,873	18,406
Children's sleepers.....	"	260,662	26,642
Children's wear, not specified.....	—	—	37,153
Chisels and punches.....	—	—	*
Chlorine, liquid.....	—	—	*
Chocolate and chocolate coating.....	lb.	10,884,202	1,435,661
Choppers, food.....	—	—	55,639
Churns.....	—	—	*
Cider.....	gal.	1,291,796	198,534
Cigars.....	M	116,858	4,557,959
Cigarettes.....	"	4,843,470	38,182,600
Cinder blocks (<i>see</i> "Building blocks").	—	—	*
Clay products, n.e.s.....	—	—	23,415
Cleaners, vacuum—floor models.....	No.	30,926	1,149,304
Cleaners, vacuum—hand models.....	—	15,663	163,858
Cleaners, vacuum, not specified and parts.....	—	—	253,508
Cleaner, hand.....	—	—	71,361
Cleaning and scouring powders and paste.....	—	—	584,742
Cleaning preparations, other.....	—	—	295,081
Clocks.....	—	—	539,332
Cloth, gummed.....	—	—	39,095
Cloth, hair.....	—	—	73,684
Clothes pins.....	gross	861,411	143,666
Clothing, leather, not elsewhere specified.....	—	—	41,949
Clothing, oiled and waterproof (<i>see also</i> "Coats, oiled").	—	—	60,486
Clothing, school, n.e.s.....	—	—	108,957
Clothing, sport and athletic, not elsewhere specified.....	—	—	46,038
Clothing, work, not specified.....	doz.	3,016	258,644
Clothing, not specified.....	—	—	*
Coats—			
Boys', spring and fall.....	No.	11,621	60,623
Men's, spring and fall.....	"	151,633	1,688,180
Men's, woollen jackets.....	"	32,881	378,288

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Coats— <i>Concluded</i>			
Men's and boys' jackets, other	No.	4,281	8,110
Boys' overcoats and reefers	"	108,617	689,145
Men's overcoats and topcoats	"	405,240	5,236,497
Women's coats and cloaks, woollen	"	1,001,932	11,641,468
Women's coats and cloaks, silk	"	44,703	204,438
Women's coats and cloaks, other	"	6,638	55,074
Children's coats of all kinds	"	271,765	1,215,167
Blazers (<i>see also</i> "Sport Clothing")	doz.	2,016	92,711
Other cloth coats, not specified	"	649	47,955
Garage and overall long coats	"	3,205	60,865
Leather coats and vests, not elsewhere specified	"	14,069	815,491
Mackinaws and windbreakers	"	67,021	1,465,326
Washable coats	"	4,609	95,963
Rubber coats	"	—	722,087
Waterproof and rain coats	"	—	92,168
Coats, fur—			
Children's	No.	350	10,434
Ladies	"	75,042	7,015,116
Men's	"	3,718	190,285
Coats, fur-lined—			
Ladies	"	1,868	63,871
Men's	"	837	26,780
Children's	"	13	155
Cocoa	lb.	5,719,969	983,190
Cocoa butter—			
made for own use	"	1,334,063	—
made for sale	"	2,405,557	395,989
Cocoa and chocolate preparations, n.e.s.	"	—	*
Cocoonut, prepared and desiccated	"	—	*
Coffee, condensed	"	—	12,222
Coffee, roasted	lb.	23,114,525	6,374,311
Coffee, substitute	"	—	*
Coffins	No.	5,430	53,079
Collar boxes (shells)	"	49,185	239,257
Coils, machinery	"	—	*
Coke, petroleum	ton	62,559	385,082
Coke, gas-house	"	2,243,420	15,861,757
Cold storage equipment, not elsewhere specified	"	—	40,013
Collars and cuffs	doz.	62,426	144,179
Collars, fur	No.	136,206	632,548
Colours, butter, cheese, etc.	"	—	90,291
Colours, dry	lb.	4,899,916	519,618
Colours, in oil and japan	"	1,388,812	291,379
Comforters, cotton	No.	75,089	129,253
Comforters, down	"	18,658	137,004
Comforters, wool	"	9,759	45,052
Compressors, air	"	—	561,366
Conduit, electrical	"	—	607,451
Conduit fittings	"	—	98,604
Cones and wafers, ice cream	"	—	227,074
Cones and tubes, textile winding	"	—	*
Confectionery, chocolate—			
In bulk	lb.	23,043,565	4,154,027
In bars	doz.	14,041,082	5,182,049
In packages	lb.	8,100,533	2,628,920
Not specified	"	56,761	16,971
Confectionery, sugar—			
In bulk	"	45,053,738	6,597,965
In packages	"	4,168,684	759,934
In bars	doz.	654,306	237,897
Not specified	lb.	159,492	34,500
Confectionery, not specified, including lozenges	"	3,374,370	516,864
Containers, not specified	"	—	265,798
Control and starting equipment, not elsewhere specified	"	—	476,374
Converter equipment, electrical	"	—	70,411
Conveyors	"	—	300,210
Copperage products, not specified	"	—	203,133
Copper carbonate and copper cyanide	"	—	*
Copper metal (other than smelter products)	"	—	*
Copper products, not specified	"	—	42,150
Core compound	"	—	8,963
Cores, for paper rolls	"	—	86,304

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Cores, radiator.....	—	—	539,940
Corn, cracked.....	lb.	34,326,321	596,739
Corsets, girdles, brassieres, etc.—			
Corsets.....	doz.	139,355	2,378,460
Combination garments.....	"	55,941	1,106,653
Bandeaux, brassieres, etc.....	—	—	1,008,988
Corset steels and clasps.....	—	—	*
Cotton fabrics—			
Bleached or white.....	yd.	38,158,521	4,201,561
Unbleached or grey.....	"	135,620,892	13,418,632
Cotton and wool.....	"	313,626	164,930
Printed, dyed or coloured.....	"	121,483,002	17,397,681
Not specified.....	—	—	292,902
Counters, shoe.....	—	—	284,797
Covering, boiler and pipe, asbestos.....	ft.	1,207,301	99,948
Covers, baby carriage and crib.....	—	—	7,101
Covers, couch, table and other furniture.....	—	—	52,643
Covers, mattress.....	No.	55,964	37,506
Covers, radiator, tire, fabric.....	—	—	334,983
Covers, not specified.....	—	—	273,714
Cracklings.....	lb.	12,054,768	171,164
Crayons, wax and chalk.....	—	—	93,009
Cream, sold in dairy factories.....	lb.	23,337,192	13,335,562
Cream, whey, sold in dairy factories.....	"	531,121	85,527
Cream of tartar, refined.....	"	502,341	132,818
Cream of tartar, substitute.....	—	—	*
Cream separators.....	No.	9,963	675,165
Cross arms.....	—	—	*
Croton aldehyde.....	—	—	*
Crushers and parts.....	—	—	113,779
Cuffs, fur.....	No.	65,024	178,467
Cultivators.....	"	3,358	187,339
Culverts, sheet metal.....	—	—	625,821
Cups, paper.....	No.	105,180,800	239,185
Curtains and curtain material.....	—	—	1,084,763
Curtain rods and fixtures.....	—	—	229,966
Cushions.....	—	—	134,312
Cushion forms.....	No.	164,105	90,155
Cushions and mattresses, air and sponge.....	"	12,768	14,739
Cutlery, all kinds.....	—	—	474,705
Dairy products, not specified.....	—	—	12,373
Dairy equipment, not specified.....	—	—	711,221
Decorations (including party favours, confetti, etc.).....	—	—	56,328
Dentists' supplies, not elsewhere specified.....	—	—	142,187
Deodorant.....	—	—	92,091
Depressors, tongue.....	—	—	5,746
Desk sets.....	—	—	24,431
Dextrine.....	—	—	*
Dies, printed, etc.....	—	—	58,327
Dies, cutting.....	—	—	116,995
Dies, stamping.....	—	—	12,225
Dies, taps and stocks.....	—	—	317,390
Dies, drawing.....	—	—	54,695
Diggers, potato.....	No.	106	7,816
Disinfectants.....	doz.	145,809	56,247
Display forms, stands and mounting.....	—	—	223,433
Distillers' grain.....	—	—	94,085
Distillers' grain.....	—	—	38,469
Dog collars.....	—	—	10,725
Dolls of all kinds.....	—	—	*
Doll furnishings.....	—	—	*
Doors, steel rolling, Kalomein and hollow metal.....	—	—	60,948
Dowels.....	M. lin. ft.	14,240	55,827
Draperies.....	—	—	37,670
Dresses, women's (including house dresses).....	No.	8,977,932	22,749,465
Dresses, children's.....	"	2,645,376	1,417,388
Dressing gowns, negligees (see "Bathrobes, etc.").....	—	—	*
Dressing, salad.....	gal.	140,080	322,737
Driers, inactivate.....	Imp. gal.	45,319	46,328
Drills, grain.....	No.	1,055	118,976
Drills of all kinds (tools).....	—	—	286,158
Drills, rock.....	—	—	*

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Druggists' sundries, not specified	—	—	221,186
Dyeing, cleaning, finishing, shrinking, etc.—			
Dyeing and cleaning of garments	—	—	5,628,573
Dyeing and cleaning of carpets, leathers, etc.	—	—	398,357
Dyeing and finishing of textiles	yd.	28,287,402	2,108,717
Dyeing and finishing of yarns	lb.	1,720,636	1,190,062
Dyeing and finishing of other products	—	—	157,394
Bleaching	—	—	141,455
Dyes	—	—	226,501
Eavestrough and pipe	—	—	195,982
Egg substitute (including powdered albumen)	lb.	236,897	128,716
Eggs, frozen	"	2,894,833	439,569
Eiderdown	—	—	*
Elastic garments	—	—	*
Electrical apparatus, parts and supplies, not elsewhere specified	—	—	405,799
Electrical instruments, ammeters, etc.	—	—	783,496
Electric light and power	—	—	124,463,613
Electrodes, carbon and graphite	ton	19,166	1,575,233
Electrotyping and stereotyping	—	—	969,725
Elevator parts	—	—	189,927
Elevators, grain	—	—	*
Elevators, freight and passenger	—	—	755,307
Embalming fluid	—	—	*
Embossing	—	—	91,279
Embroideries and laces	—	—	118,168
Emulsion, leather	—	—	*
Enamel, synthetic type	Imp. gal.	267,915	868,273
Enamel, frit	lb.	1,533,958	134,437
Enamel, Japan	Imp. gal.	109,481	107,218
Enamels, other	"	493,964	1,494,563
Engines, aircraft	—	—	*
Engines, auto	—	—	*
Engines, gas and oil	—	—	199,646
Engines, gasoline	No.	2,944	610,792
Engines, steam	—	—	2,413
Engines, not specified, and engine parts	—	—	180,151
Engraving (Trade work)	—	—	209,689
Engravings, not specified	—	—	6,279
Ensilage cutters	—	—	*
Envelopes	—	—	3,427,866
Ethyl acetate	—	—	*
Eveners	No.	43,462	21,865
Excelsior and wood wool	lb.	9,474,924	118,470
Excelsior pads	No.	9,042,450	63,861
Explosives	—	—	6,257,759
Extracts, flavouring	—	—	1,555,919
Fabrics, bathrobe and kimono, not elsewhere specified	—	—	63,847
Fabrics, coated and impregnated, not elsewhere specified	—	—	1,082,692
Fabrics, not specified	—	—	417,728
Facings and parting, foundry	ton	2,271	59,483
Fanning mills	—	—	*
Fans, electric	No.	1,428	34,089
Fasteners of all kinds	—	—	734,303
Feathers, artificial	—	—	27,666
Feed, chopped	ton	713,438	18,391,872
Fel-spar	—	—	*
Felt, coated and saturated (fabric)	—	—	139,608
Felt, for pulp and paper-making (wool and cotton)	lb.	2,661,596	2,790,107
Felt, cotton, not specified	"	999,162	52,220
Felt, hair	"	648,120	91,729
Felt, harness	"	219,036	67,546
Felt, jute	—	—	*
Felt, padding	—	—	94,323
Felt, lining and trimming	—	—	104,650
Felt, paper (see "Paper")	—	—	*
Felt, shoe	—	—	193,752
Felt, insole	—	—	23,558
Felt, not specified	—	—	399,129
Fence and railing iron	—	—	57,083
Fencing, wire	—	—	706,281
Fencing, chain link fabric	—	—	152,768

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Fencing, snow	—	—	74,850
Ferro-alloys (Ferro-silicon, ferro-manganese, etc.)	—	—	517,024
Fertilizers	lb.	278,197,420	3,529,278
Fibre board and fibre products, not specified	—	—	131,001
Files and rasps	—	—	760,082
Filing system supplies	—	—	493,754
Fillers and flats, egg-case	—	—	132,628
Fillers, non-metallic mineral	—	—	44,356
Fillers, paste and liquid	lb.	309,489	39,852
Fillings, pie and cake	"	1,365,020	113,086
Films, motion picture	—	—	*
Films, photographers	—	—	*
Filters, filter presses, discs, etc.	—	—	40,890
Firebrick, from imported clay	—	—	323,408
Firebrick, from domestic clay	M	2,100	101,210
Fire clay	ton	1,043	12,598
Fireclay blocks and shapes, from domestic clay	—	—	62,388
Fire extinguishers	—	—	346,244
Fire fighting equipment, not elsewhere specified	—	—	91,342
Fireplace furnishings	—	—	16,481
Fireworks	—	—	84,250
Fish, canned and otherwise prepared in factories	—	—	19,180,292
Fish, fresh, marketed for consumption, sold in factories	—	—	4,897,000
Fishing nets and fishing tackle	—	—	139,604
Fittings, brass and other, not specified	—	—	758,762
Fixtures, lighting, exterior	—	—	222,785
Fixtures, lighting, interior	—	—	827,104
Flags and hunting	—	—	50,825
Flatware, electro-silver plated	—	—	1,079,576
Flax seed	bush.	12,831	47,323
Floor covering, conglomerate and other	—	—	*
Flooring, hardwood	M. bd. ft.	35,681	1,991,640
Floor tile and joists, steel	—	—	53,670
Flour and meal, barley	lb.	6,159,643	77,621
Flour, buckwheat	"	2,701,312	56,940
Flour, corn	"	6,012,120	114,653
Flour, gluten	—	—	*
Flour, low grade or feed	ton	22,298	489,639
Flour, pancake	lb.	53,891	80,562
Flour, potato (see "Starch and flour, potato")	—	—	*
Flour, prepared, and self-raising	lb.	6,803,489	528,269
Flour, soyabean	—	—	*
Flour, wheat, blended	—	—	350,412
Flour, wheat, fall or winter	—	—	3,168,231
Flour, wheat, spring	"	13,044,524	53,001,595
Flour, Graham or whole wheat	lb.	12,185,924	243,068
Flour and meal, rye	"	6,122,957	97,209
Flowers, artificial	—	—	100,593
Fly pads and paper	—	—	*
Fly swatters	—	—	*
Foil of tin, lead and aluminium	—	—	*
Folding (Trade work)	—	—	34,811
Food drinks (powdered)	lb.	1,267,263	659,078
Food drinks (liquid)	gal.	626,029	301,676
Food, fox and dog	—	—	378,686
Food, poultry and stock	—	—	4,853,826
Food, infant and dietetic, prepared	lb.	157,754	85,645
Food, infants', canned	"	597,231	138,202
Food products, not specified	—	—	110,859
Footwear, leather—	—	—	*
Felt upper, babies'	—	—	*
Felt upper, boys'	pair	20,681	21,863
Felt upper, children's	"	50,636	34,399
Felt upper, men's	"	225,670	299,403
Felt upper, women's	"	175,342	112,230
Leather or fabric upper, babies'	"	971,379	581,373
Leather or fabric upper, boys'	"	960,358	1,409,220
Leather or fabric upper, children's	"	2,448,911	2,341,703
Leather or fabric upper, men's	"	4,855,998	10,981,871
Leather or fabric upper, women's	"	7,943,210	14,988,626
Not specified	—	—	3,104
Footwear, shoe packs, moccasins and mocassins—	—	—	*
Boots	pair	3,502	1,758

Note—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value. \$
Footwear, shoe packs, larrigans and moccasins— <i>Concluded</i>			
Boys'	pair	56,095	55,106
Children's	"	17,616	13,705
Men's	"	130,355	175,150
Women's	"	14,735	12,739
Not specified	"	1,251	10,008
Footwear, rubber—			
Knee and hip rubber boots	"	1,748,761	3,100,624
Lumbermen's rubber boots	"	1,293,035	2,375,256
Overshoes	"	2,346,345	4,134,892
Rubbers, light (including bathing shoes)	"	4,467,435	2,902,572
Canvas, rubber-soled, balmorals	"	1,240,685	1,121,975
Canvas, rubber-soled, oxfords	"	4,892,551	3,596,587
Forges and blowers	—	—	—
Forgings, not elsewhere specified	lb.	37,111,027	1,769,192
Forks (hand implements)	No.	514,675	369,529
Formaldehyde	—	—	—
Forms, continuous, printed	—	—	1,058,100
Fountains, soda	—	—	—
Frames, spectacle	—	—	—
Fringes, cords and tassels	—	—	182,700
Fruit butter	—	—	—
Fruit peel, candied	lb.	1,605,306	231,066
Fruits, canned—			
Apples	"	5,896,323	301,581
Apricots	"	1,520,370	145,635
Blueberries	"	1,439,673	85,227
Cherries	"	3,448,965	267,546
Grapefruit	"	676,497	88,224
Loganberries	"	2,483,247	192,623
Peaches	"	5,913,111	596,374
Pears	"	14,321,634	1,241,385
Pineapples	"	811,023	104,847
Plums	"	1,420,141	90,821
Raspberries	"	1,381,247	161,434
Rhubarb	"	326,207	15,346
Strawberries	"	851,183	112,819
Fruits for salads	"	553,698	92,042
Other small fruits, not specified	"	103,872	8,450
Other fruits, not specified	"	32,351	4,822
Fruits, fountain	—	—	312,773
Fruits, glaces	lb.	1,332,190	334,822
Fruits and vegetables, cold processed	—	—	—
Fuel, hog	cord	126,251	96,778
Fumigators	—	—	—
Furnaces, electro-metallurgical	No.	38	46,286
Furnaces, hot air	—	13,569	950,426
Furnace parts, not elsewhere specified	—	—	77,030
Furniture—			
Bedroom furniture	—	—	3,316,792
Dining room furniture	—	—	1,693,758
Kitchen furniture	—	—	1,091,808
Living room furniture	—	—	4,082,739
Other household furniture	—	—	1,190,041
Office and store furniture and fixtures (see also "Store fixtures")	—	—	1,090,333
Office furniture, steel	—	—	424,576
Other steel furniture	—	—	143,312
School, lodge, church and theatre furniture	—	—	610,608
Camp furniture	—	—	261,832
Children's furniture	—	—	85,815
Wicker, reed and rattan furniture	—	—	415,456
Furniture, not specified, and other cabinet work	—	—	715,896
Furniture frames and parts	—	—	213,052
Fur dressing and dyeing	—	—	1,499,785
Fur crimping and fur goods, not elsewhere specified	—	—	665,505
Furs, remodeled, repaired, etc.	—	—	2,373,103
Fuses and fuse wire	—	—	386,412
Gaiters, spurs and leggings	—	—	251,650
Galvanized wire	—	—	694,105
Garnes, not specified	—	—	43,330
Garage equipment	—	—	361,970
Garages, metal	—	—	51,064

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value. \$
Gas, made—			
Retort coal gas	M. cu. ft.	5,907,842	-
Straight coal gas, including coke oven gas	"	26,974,981	-
Straight water gas and carburetted water gas	"	2,415,280	-
Oil gas	"	46,971	-
Producer gas for heating and dilution	"	4,778,355	-
Other	"	1,772	-
Gas, sold	"	15,409,927	15,766,750
Gas used in makers' plants	"	13,636,957	1,753,926
Gas used in associated metallurgical work	"	8,542,290	1,163,000
Gas, otherwise accounted for, but not sold	"	836,962	294,718
Gas, not accounted for	"	970,684	876,824
Gas, still, from petroleum refineries	"	3,772,746	777,351
Gasolene	Imp. gal.	461,753,363	42,467,623
Gates	"	-	64,321
Gauges, not specified	"	-	*
Gears	"	-	259,051
Generators—			
Alternating current	No.	26	463,645
Direct current	"	71	95,682
Generators, steam	"	-	26,953
Glass, bent	"	-	7,423
Glass, bevelled, and polished edge	"	-	293,144
Glass, chipped, or etched	"	-	18,546
Glass, cut	"	-	185,465
Glass, leaded, including memorial windows	"	-	111,349
Glass, non-shatterable	"	-	668,722
Glass, pressed, and blown	"	-	7,506,698
Glass, windshield, etc.	"	-	677,062
Glass products, not specified	"	-	14,191
Glassware, chemical, and other not specified	"	-	166,873
Gloves and mittens, fabric—			
Working gloves and mittens	doz. pr.	321,246	476,625
Other, not specified	"	18,349	84,760
Gloves, and mittens, leather, dress—			
Men's, lined	"	65,003	618,152
Men's, unlined	"	43,928	447,598
Women's and children's, lined	"	25,011	196,231
Women's and children's, unlined	"	44,736	417,534
Gloves and mittens, leather, working—			
Men's, lined	"	105,755	654,370
Men's, unlined	"	210,583	1,080,663
Boys', lined	"	36,852	159,767
Boys', unlined	"	5,824	27,354
Gloves and mittens, leather, not specified	"	1,948	14,365
Gloves and mittens, fur and fur-lined	pair	391	2,587
Gloves, rubber	doz.	68,796	165,987
Glucose or dextrose	"	-	*
Glue (bone, hide, fish and vegetable)	"	-	729,684
Gluten	"	-	*
Glycerine, crude (sold as such)	lb.	1,676,732	102,841
Glycerine, refined	"	6,654,022	638,253
Gold alloys	"	-	323,118
Gold, fine	"	-	412,227
Gold leaf	"	-	*
Gold scrap	"	-	221,998
Golf supplies, not elsewhere specified (including golf bags, clubs, sticks, heads and stick shafts)	"	-	267,739
Grains, sold wet and dry (breweries)	"	-	238,192
Granaries	"	-	*
Granite, cut (building and ornamental)	"	-	1,306,966
Grape juice	"	-	*
Graphite	"	-	*
Grate bars	lb.	1,064,238	65,544
Grease	"	20,733,606	988,434
Grills and hot plates, electric	No.	51,064	130,901
Grinders, metal-working	"	-	75,250
Grinding balls	"	-	*
Grinding compound	"	-	*
Gums, unvulcanized	lb.	134,248	30,693
Gymnasium supplies, not specified	"	-	*
Gypsum blocks	"	-	*

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Hair, animal.....	—	—	171.885
Hair goods (from human and animal hair).....	—	—	13.735
Hair wavers.....	—	—	*
Halters.....	No.	55,598	61.314
Flames.....	—	—	*
Hammock-stands.....	—	—	*
Hammocks.....	—	—	10.954
Handkerchiefs.....	doz.	129,072	93.604
Handles, broom.....	No.	2,884,244	70.387
Handles, long, tool and axe.....	"	2,992,637	507.446
Handles, small, tool.....	"	4,893,013	136.401
Handles, not specified.....	—	—	45.469
Hangers, garment.....	—	—	57.308
Hardware, automobile.....	—	—	462.113
Hardware, builders.....	—	—	1,458,189
Hardware, carriage and saddlery.....	—	—	539.191
Hardware, other not specified.....	—	—	695.496
Harness, double.....	set	9,155	278.024
Harness, single.....	"	3,126	63.824
Harness collars.....	No.	112,204	292.913
Harness parts.....	—	—	541.180
Hurrows.....	No.	8,901	298.948
Hurrow sections and parts, not specified.....	"	6,698	18.565
Hut blocks.....	—	—	57.855
Hat boxes.....	No.	16,286	105.488
Hat linings.....	doz.	198,068	123.442
Hats, cotton.....	"	33,686	114.877
Hats, fur felt—			
Men's.....	"	68,758	1,547,046
Women's.....	"	28,495	574,829
Hats, wool felt—			
Men's.....	"	30,168	379.332
Women's.....	"	140,717	1,703,240
Children's.....	"	3,914	31.346
Hats, velour felt.....	"	4,774	121.384
Hats, linen.....	"	2,556	28.278
Hats, straw—			
Men's.....	"	40,289	160.068
Women's.....	"	135,609	1,941,954
Children's.....	"	18,798	41.509
Other not specified.....	"	16,586	21.138
Hats, pansama.....	"	6,215	88.745
Hats, silk, and beaver, men's.....	"	1,849	27.145
Hats, silk, and crepe, women's.....	"	21,863	210.185
Hats, velvet.....	"	15,588	245.008
Hats, wool.....	"	2,385	19.703
Hats, not specified—			
Women's.....	"	5,951	71.254
Children's.....	"	8,148	39.318
Not specified.....	"	11,547	22.561
Tams and berets.....	"	133,790	349.072
Hats, cleaned and reblocked.....	"	4,418	39.062
Hat bodies.....	"	228,968	1,012.325
Hatters' supplies.....	—	—	25.508
Hay carriers.....	—	—	*
Hay forks.....	—	—	*
Hay loaders.....	No.	339	24.273
Hay presses.....	—	—	*
Hay rakes.....	No.	4,267	129.224
Heading, barrel.....	—	—	223.123
Heaters, auto engine.....	—	—	*
Heaters, boiler feed water.....	—	—	*
Heaters, electric, water.....	—	—	237.731
Heaters, electric, not specified.....	—	—	240.370
Heating and ventilating equipment, not elsewhere specified.....	—	—	781.268
Heel, leather and wood.....	pair	7,167,945	856.970
Heel board.....	lb.	2,321,473	82.519
Heels, rubber and composition.....	pair	16,303,795	817.949
Helmets.....	doz.	9,214	67.158
Hides, not specified.....	—	—	2,701,708
Hockey pucks.....	doz.	15,767	7.349
Hockey sticks.....	"	43,367	132.260
Hoes.....	No.	164,503	89.410

Note.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Hoists.....	—	—	442,914
Hollow-ware and flatware, sterling silver.....	—	—	134,111
Hollow-ware and spinings, brass and copper.....	—	—	343,815
Hollow-ware, electro-plated, on nickel silver.....	—	—	391,330
Hollow-ware, electro-plated, on Britannia metal.....	—	—	355,447
Hollow-ware, electro-plated, on brass.....	—	—	399,457
Hollow-ware, iron and steel.....	—	—	*
Hooks, eyes, metal notions, etc.....	—	—	*
Hoops, wooden.....	No.	6,523,239	62,227
Hoops, metal.....	—	—	55,375
Horseshoes, prepared.....	lb.	125,032	48,177
Horseshoes.....	—	—	*
Hose, fire, unlined, linen.....	—	—	*
Hose and tubing, rubber.....	lb.	4,625,335	1,613,570
Hosiery—			
Cotton.....	doz. pr.	1,367,067	2,185,526
Mercerized.....	"	365,988	689,249
Merino and mixed.....	"	100,814	276,800
Artificial silk and mixtures.....	"	658,586	1,499,020
Silk or silk mixed.....	"	1,818,180	10,340,179
Woolen and worsted.....	"	1,472,686	4,755,835
Not specified.....	—	—	15,160
Hydrants.....	No.	610	32,517
Hydrogen.....	cu. ft.	29,163,244	44,920
Ice, artificial.....	ton	352,069	1,358,299
Ice cream.....	gal.	5,987,727	7,687,385
Ice cream mix.....	"	331,673	267,662
Ice cream sundries.....	—	—	70,943
Ice cream freezers.....	lb.	848,156	62,228
Iceings and icing paste.....	No.	150,190	346,287
Ignition coils, etc.....	—	—	104,807
Incubators and other poultrymen's supplies.....	—	—	69,055
Infants' wear, not specified.....	doz.	69,055	191,585
Ingots and bars, brass, bronze and aluminium.....	lb.	3,283,933	298,260
Ingots, steel (sold).....	long ton	607	15,892
Inks, printing and lithographing.....	lb.	8,465,649	1,935,874
Inks, writing, and not specified.....	—	—	305,171
Innercasing, not elsewhere specified.....	—	—	16,476
Insecticides.....	—	—	628,439
Insulating materials.....	—	—	204,362
Insulator pins and brackets.....	—	—	20,728
Insulators, porcelain.....	—	—	697,921
Insulin.....	—	—	*
Irons, plain.....	—	—	*
Iron, corrugated products.....	—	—	\$95,851
Iron, pig—			
Quantity made.....	ton	404,995	—
Quantity sold.....	"	97,440	1,856,284
Iron and steel products, rolled, strips, flats, etc.....	long ton	12,678	1,152,885
Iron and steel products, rolled (not forged), other.....	"	2,439	139,677
Iron phosphide (ferro-phosphorus).....	—	—	*
Iron, sulphate.....	—	—	*
Ironing boards.....	—	—	*
Irons, electric.....	No.	7,415	239,158
Irons, flat, electric.....	"	130,137	240,122
Irons, gasoline.....	—	—	*
Iron work, ornamental and architectural.....	—	—	269,590
Jacks, automobile.....	—	—	89,838
Jacks and parts, not specified.....	—	—	810
Jams.....	lb.	34,124,987	3,297,931
Javelle water.....	—	—	355,135
Jellies.....	lb.	2,350,766	277,966
Jersey cloth, stockinette and tricolette.....	—	—	1,161,770
Jerseys.....	doz.	26,781	201,174
Jewelry.....	—	—	2,111,750
Jute, jute paddings and webbing.....	—	—	26,362
Kegs, beer.....	No.	33,829	158,390
Kegs, fish.....	"	2,700	2,777
Kegs, nail, etc.....	"	760,598	171,875
Kerosene.....	Imp. gal.	37,741,993	3,540,983

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value. \$
Kitchen equipment for hotels, cafeteria, etc.	—	—	175,069
Kitchenware, aluminium	—	—	1,181,577
Kitchenware, other	—	—	1,058,760
Kleenex	—	—	—
Knitted goods, miscellaneous, not elsewhere specified	—	—	560,349
Knives, machine	—	—	166,950
Knives and blade deals	—	—	—
Labels, paper, gummed	—	—	86,370
Labels, woven	—	—	298,375
Laces, shoe, fabric	gross	559,481	443,848
Laces, shoe, leather	"	1,266	8,349
Laces, corset and belt	—	—	25,129
Lacing, wire	—	—	—
Lacquers, nitrocellulose (pyroxyline)	Imp. gal.	542,967	1,491,974
Lacrosse sticks	—	—	—
Ladders, step, extension, etc.	—	—	88,826
Lamps, automobile	—	—	—
Lamps, incandescent, except therapeutic—			
Standard size	No.	20,622,906	4,035,361
Miniature size	"	7,282,187	490,574
Other	—	—	4,433
Lamps, table and floor	No.	56,808	132,024
Lamps and lanterns	—	—	284,767
Lamp shades	—	—	347,418
Lamp stands and lamp bases	—	—	300,377
Lard	lb.	46,330,022	4,630,505
Last blocks	—	—	—
Lasts, trees and shoe findings, not elsewhere specified	—	—	471,637
Laths, metal and woodworking	—	—	61,478
Lath, metal	—	—	204,334
Lath, wood	—	—	417,505
Laundry nets and cloths	—	—	18,134
Laundry work	—	—	9,438,200
Lead, antimonial	lb.	6,219,485	213,479
Lead, arsenate	—	—	—
Lead, refined (other than smelter products) and lead products, n.s.	—	—	33,122
Lead, red	lb.	1,042,699	56,905
Lead, white, dry	"	2,574,464	158,124
Lead, white, in oil	"	9,417,200	623,027
Lead, sheet	"	1,782,684	136,166
Lead bars and ingots	"	2,436,955	92,785
Leads for pencils	tubes	1,064,939	36,926
Leather—			
Belting leather	lb.	420,476	213,032
Bookbinders' leather	sq. ft.	115,576	23,050
Glove, trunk and pocket book leather	"	13,556,937	1,561,018
Harness leather	lb.	2,231,428	599,044
Race leather	"	65,925	38,579
Oil tanned shoepack leather	"	162,343	39,302
Sole leather—			
Chrome	"	205,256	65,045
Hemlock	"	40,330	24,843
Oak	"	18,824,150	5,108,094
Splits	—	—	—
Upholstering leather	sq. ft.	934,070	155,052
Upper leather—			
Calf skins	"	14,753,202	3,150,953
Cattle or horse hides	"	17,084,157	2,762,693
Chrome splits	"	7,019,914	545,844
Goat skins	—	—	—
Patent and enamelled shoe leather	"	9,599,164	1,683,332
Sheep skins	"	4,722,025	415,941
Wax splits	"	402,641	99,106
Other	—	—	36,947
Leather splits, not specified	—	—	386,008
Other leather, not specified	—	—	139,743
Leather, artificial, not elsewhere specified	—	—	374,114
Leather board	—	—	95,175
Leather goods, not specified	—	—	238,921
Leather, tanned (Custom work)	—	—	190,973
Lenses	—	—	—
Life buoys and jackets	—	—	65,929

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Lighters, cigarette	—	—	*
Lightning rods and supplies	—	—	48,910
Lime, grey acetate	—	—	*
Lime, for own use	lb.	18,677,354	—
Lime, hydrated	s. ton	95,721	721,921
Lime, quick	"	324,782	2,288,669
Limestone, for building purposes	—	—	307,315
Line material	—	—	145,211
Linings, brake, asbestos	ft.	2,662,184	458,147
Linings, glove, shoe and rubber	—	—	175,126
Linings, not specified	—	—	23,025
Litharge	lb.	3,099,649	176,517
Lithographing	—	—	1,720,571
Locks, steel	—	—	*
Locomotive and car parts	—	—	1,584,658
Lubricating systems, automobile	—	—	*
Lumber, matched	M bd. ft.	79,373	2,519,049
Lumber, planed	"	92,516	3,101,863
Lumber, sawn	"	2,578,911	40,529,600
Lumber, not specified	—	—	462,718
Lye	lb.	2,453,842	327,206
Macaroni and spaghetti, canned	lb.	7,106,440	482,720
Macaroni, vermicelli, spaghetti, etc.	"	33,773,907	1,428,669
Machinery—			
Adding machines	No.	2,592	241,195
Bakers' mixing machines	—	—	112,949
Bakers' machinery, not elsewhere specified	—	—	139,417
Baling machinery	—	—	*
Boot and shoe machines	—	—	*
Boring machines (woodworking)	No.	10	3,996
Bottlers' machinery	—	—	5,556
Canning machinery and parts	—	—	55,098
Cheese factory machinery	—	—	18,365
Chlorinating machinery	—	—	*
Cleaning and pressing machinery	—	—	70,802
Coal handling and coal pulverizing machinery	—	—	53,998
Concrete and cement making machinery	—	—	9,218
Confectioners' machinery, n.e.s.	—	—	5,001
Cutters, not specified	—	—	*
Dairy machinery	—	—	210,909
Flour and grist mill machinery, not elsewhere specified	—	—	39,769
Fog signalling machinery	—	—	*
Grain cleaners	—	—	*
Grain grinders	No.	1,448	92,283
Grain rolls	—	—	13,489
Grain elevator machinery	—	—	227,445
Hoisting machinery, not elsewhere specified	—	—	129,397
Ice-making machinery	—	—	380,197
Industrial machinery, not specified	—	—	383,596
Kitchen machinery, not specified	—	—	*
Laundry machinery	—	—	468,465
Leather-working machinery, not elsewhere specified	—	—	3,025
Logging machinery	—	—	*
Lumber and shingle drying machinery	—	—	*
Metal-working machinery, not elsewhere specified	—	—	115,975
Metering equipment	—	—	*
Milk machines	No.	626	80,456
Milling cutters	—	—	*
Mining and metallurgical machinery, not elsewhere specified	—	—	573,026
Other machinery, not elsewhere specified	—	—	19,507
Oil refining and refrigerating equipment	—	—	*
Packing house machinery	—	—	13,854
Pipe-cutting and threading machinery	—	—	32,601
Pulp and paper machinery	—	—	1,099,047
Road and excavating machinery	—	—	489,893
Rubber mill machinery	—	—	222,367
Sawing, band, machines	—	—	4,568
Saw and planing mill machinery	—	—	195,437
Sewing machines	—	—	*
Shingle machinery	—	—	*
Ships' machinery and fittings	—	—	101,735
Stapling machinery	—	—	*

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Machinery— <i>Concluded</i>			
Stone-working machinery	—	—	*
Syrup making machinery	—	—	50,802
Textile machinery, not elsewhere specified	—	—	11,985
Transmission machinery	—	—	654,281
Vulcanizing machinery	—	—	*
Washing machines, electric	No.	73,657	3,607,088
Washing machines, hand	"	9,325	116,998
Washing machines, other power	"	1,097	96,912
Water softening equipment	—	—	*
Well drilling machinery	—	—	311,003
Wood-working machinery, not elsewhere specified	—	—	129,230
Machinery, not specified	—	—	800,993
Machinery parts, not specified	—	—	778,493
Mackinaw	yd.	722,447	649,018
Magnesia	—	—	*
Magnesium carbonate	—	—	23,703
Malt, made for sale	bush.	6,218,496	5,755,176
Malt flour	lb.	1,098,254	78,211
Malt extract and syrup	—	—	601,107
Malt coomings and sprouts	—	—	44,665
Malt products, other	—	—	37,121
Maniles, lamp	—	—	*
Manure spreaders	No.	1,488	159,631
Maple butter	—	—	*
Maps	—	—	227,832
Marble, cut and polished, building and ornamental	—	—	306,103
Marble chips and dust	—	—	*
Marine and fishermen's supplies	—	—	27,349
Marking devices	—	—	73,344
Marmalades	lb.	9,134,486	942,073
Match blocks	—	—	*
Match splints	—	—	*
Matchers and planers (wood-working)	—	—	5,241
Matches	—	—	1,605,204
Mats and matting, cocon	—	—	*
Mats and matting, rubber	lb.	2,359,589	349,309
Mattress materials, not elsewhere specified	—	—	4,520
Mattresses	—	—	3,175,586
Meal, alfalfa	ton	7,194	121,702
Meal, corn	lb.	48,134,093	831,724
Meal, linseed and flax	"	359,032	14,239
Meal, oilcake	ton	20,216	619,273
Meal, pea	lb.	34,735	3,144
Meal, rice	ton	2,332	46,630
Meal, soybean oil	—	—	*
Meats, canned—			
Chicken	lb.	297,765	120,238
Poultry, not specified	"	143,705	32,440
Meats, canned other	"	3,660,878	791,426
Meats cooked, all kinds	"	10,747,224	4,118,332
Meats, cured—			
Bacon and sides	"	93,150,604	17,760,108
Beef (salted and cured)	"	1,825,807	150,461
Beef, smoked, or corned and rolled	"	278,075	72,451
Ham	"	31,550,617	5,888,228
Pork, salted	"	53,182,131	7,614,992
Shoulders	"	17,564,680	2,441,742
Other	"	22,609,153	3,421,319
Meats, sold fresh—			
Beef	"	404,828,679	27,993,439
Fancy meats, not specified	—	—	217,511
Mutton and lamb	lb.	37,976,109	4,482,539
Pork	"	136,799,486	10,636,059
Veal	"	54,336,450	4,444,630
Other	"	737,149	70,453
Mechanical work, including cranes, car unloaders, etc.	ton	1,223	310,560
Medicines, patent and proprietary preparations of all kinds	—	—	14,178,317
Metal products, not specified	—	—	337,027
Meter parts	—	—	*
Meters, gas	—	—	40,543
Meters, water	—	—	*
Methyl hydrate, crude and pure	—	—	*

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Miscellaneous products.....	—	—	*
Milk, sold in dairy factories.....	gal.	41,874,832	15,855,148
Milk, buttermilk, sold.....	—	—	364,092
Milk, buttermilk, condensed.....	lb.	471,182	10,613
Milk, condensed milk.....	"	9,126,805	873,333
Milk, condensed skim milk.....	"	4,408,742	222,255
Milk, skim milk.....	—	—	24,765
Milk drinks (see "Food drinks").	—	—	—
Milk, evaporated.....	lb.	56,526,626	3,462,337
Milk products, not specified.....	—	—	65,690
Minecrament.....	lb.	3,481,611	287,651
Mine props, wedges and laths.....	—	—	35,132
Mirrors.....	—	—	566,870
Mosses.....	lb.	35,365,671	147,982
Monuments, finished, lettered only.....	—	—	420,722
Mops, cotton, dish.....	—	—	—
Mops, floor.....	—	—	329,143
Motion pictures.....	ft.	30,050,629	1,070,370
Motors, electric, A. C. and D. C. (except starting motors).....	No.	130,948	2,306,781
Motors, other, and parts.....	—	—	314,784
Moulders, wood-working.....	—	—	—
Mouldings.....	—	—	840,038
Moulds, rubber.....	—	—	—
Mounting (Trade work).....	—	—	81,015
Mowers, hay.....	No.	8,924	545,176
Mowers, lawn.....	—	27,721	171,083
Murelure.....	—	—	55,246
Muffs and muff beds.....	No.	180,375	327,438
Musio, printed.....	—	—	14,832
Musical instruments and parts, not elsewhere specified.....	—	—	23,629
Musical instruments in process of manufacture.....	—	—	—
Mustard, dry.....	lb.	612,332	87,205
Mustard, prepared.....	gal.	369,688	260,036
Nails, furniture.....	—	—	*
Nails and tacks, cut.....	—	—	68,485
Nails, horseshoe.....	—	—	—
Nails, tacks and brads, wire—	—	—	—
Quantity made.....	kegs	1,062,417	—
Quantity sold.....	—	—	—
Naphtha V. M. and P. or solvent.....	Imp. gal.	1,064,457	3,395,322
Neckties.....	doz.	37,618,867	3,331,413
Neckwear, women's and not specified.....	—	564,810	2,183,904
Neck pieces, fur.....	No.	12,894	306,977
Neck yokes.....	"	5,404	329,349
Needles, knitting machine.....	—	—	4,353
Nickel-silver, not elsewhere specified.....	—	45,410	13,935
Nightdresses.....	doz.	103,418	896,079
Nitrogen.....	—	—	*
Nitrous oxide.....	—	—	*
Novelties, advertising and other not specified.....	—	—	188,157
Novelties, printed.....	—	—	602,979
Nuts, salted.....	lb.	161,737	77,260
Oars and paddles.....	—	—	24,669
Oats, rolled.....	lb.	136,961,110	4,993,788
Oatmeal.....	"	7,808,497	212,013
Offal, not specified.....	ton	84,526	1,841,476
Oil burners and parts.....	—	—	513,340
Oilcuke.....	ton	2,723	81,934
Oilcloth, other than floor.....	—	—	*
Oil, coconut.....	—	—	*
Oil, core.....	gal.	89,006	82,297
Oil, corn, crude.....	—	—	*
Oil, corn, refined.....	—	—	*
Oil, cottonseed.....	lb.	3,154,966	197,371
Oil, creosote.....	—	—	*
Oil, fruit.....	—	—	*
Oil, fuel and gas, made for sale.....	Imp. gal.	401,621,713	15,973,531
Oil, fuel and gas, made for own use.....	"	54,373,612	1,859,879
Oil, fuel and gas, for use in cracking process.....	—	316,458,413	*
Oil, fusel.....	—	—	*
Oil, lard.....	—	—	131,692

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Oil, linseed, boiled.....	gal.	738,936	517,410
Oil, linseed, raw.....	—	1,365,964	896,876
Oil, linseed, special.....	"	643,639	483,794
Oil, lubricating.....	—	—	4,348,243
Oil, oleo.....	lb.	3,988,813	208,267
Oil, peanut.....	"	1,529,823	88,390
Oil, silk.....	—	—	—
Oil, soyabean.....	lb.	433,963	32,496
Oils, light (benzol, etc.).....	gal.	588,479	96,329
Oil, stand blown or enamel.....	Imp. gal.	20,019	14,876
Oils, sulphated, textile oils and other textile chemicals (including turkey red oil and neatsfoot).....	—	—	842,391
Oils, other, not specified.....	—	—	379,818
Olives.....	gal.	243,875	442,735
Organs, pipe.....	No.	52	131,671
Organs, reed.....	—	—	—
Ornaments, not specified.....	—	—	32,169
Ovens, bakers.....	—	—	91,494
Ovens, electric, industrial.....	—	—	72,966
Overalls, combination.....	doz.	22,825	418,447
Overalls, with and without bib.....	"	191,590	2,475,409
Overalls, children's.....	"	42,813	290,765
Overalls, not specified.....	"	4,800	51,344
Oxygen.....	cu. ft.	113,940,515	1,119,427
Packing, asbestos.....	lb.	196,627	78,860
Packing, rubber.....	—	441,248	96,146
Packing, n.s.....	—	—	80,700
Pads, horseshoe.....	—	—	—
Pads and padding, not specified.....	—	—	58,493
Pads, stump.....	—	—	—
Pads, svent.....	No.	327,607	235,179
Pads, thermal heat.....	—	—	—
Pails, ice cream.....	No.	5,072,325	41,872
Pails, oyster.....	"	826,000	8,711
Pails, and tubs, wooden.....	—	—	170,658
Painting equipment, not specified.....	—	—	—
Paint, varnish and enamel removers.....	Imp. gal.	59,314	112,038
Paints, aluminium and gold.....	—	—	—
Paints, asphaltic and tar.....	Imp. gal.	139,207	131,298
Paints, mixed, ready for use.....	"	2,874,787	6,942,403
Paints, cold water.....	lb.	7,607,838	460,523
Paints, paste.....	"	3,908,992	387,438
Paints, iron oxide.....	Imp. gal.	43,342	58,117
Paints, varnishes and cements, coal tar.....	—	—	—
Paints and enamels, not specified.....	—	—	33,877
Panel boards and cabinets.....	—	—	101,507
Pants, men's—			
Woollen.....	No.	1,111,728	2,966,087
Other.....	"	547,704	682,308
Pants, and bloomers, boys'—			
Woollen.....	"	484,607	634,501
Other.....	"	432,288	356,362
Pants and knickers, outing.....	—	—	485,884
Pants and breeches, working—			
Cotton.....	doz.	131,069	1,500,347
Woollen.....	"	69,057	1,252,472
Pants, baby, rubber.....	"	203,222	157,983
Pants, rubberized and oiled.....	"	1,703	31,555
Paper—			
Adding machine.....	—	—	41,236
Asbestos.....	—	—	32,673
Blotting.....	ton	1,635	349,945
Blue and brown print.....	rolls	32,813	99,166
Book and writing paper—			
Wood fibre, chief ingredient.....	short ton	32,913	3,790,343
Cover.....	"	1,220	224,500
Book and writing paper—			
Box cover, coloured.....	—	—	43,228
Fine paper, not specified.....	—	—	—
Writing paper.....	—	—	5,844,630
Map, lithograph, woodcut, etc.....	short ton	620	76,704

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Paper—Concluded			
Building and roofing paper—			
Asphalt saturated rag, asbestos and solka felt shinglea.....	squares	251,025	1,192,473
Asphalt saturated rag, asbestos and solka felt sidings.....	"	76,153	313,355
Mineral surfaced rag, asbestos and solka, felt roll roofing.....	"	225,096	635,847
Smooth surfaced rag, asbestos and solka felt roll roofing.....	"	668,593	987,805
Tar and asphalt saturated rag, asbestos and solka felts not coated.....	ton	8,588	540,798
Tar and asphalt saturated and coated sheathings and felts.....	"	9,365	537,040
Waterproof roofing paper.....	—	—	*
Paper building, roofing and sheathing, untreated.....	short ton	19,253	916,681
Carbon.....	—	—	446,137
Cellophane, cut.....	—	—	*
Cigarette.....	—	—	*
Coated.....	lb.	9,405,667	913,678
Corrugated.....	—	—	241,685
Creped or crinkled.....	lb.	913,376	96,013
Dry transfers and decalcomania.....	—	—	209,524
Foolscap, not elsewhere specified.....	ream	80,879	41,160
Friction or flint glazed.....	—	—	*
Glassine.....	—	—	*
Gummed.....	—	—	*
Parchment.....	—	—	*
Paper napkins.....	—	—	187,241
Paper doilies, etc.....	—	—	3,105
Newsprint paper—			
Hanging papers.....	short ton	7,116	337,912
In sheets, for printing.....	"	24,688	942,004
In rolls, for printing.....	"	2,568,720	85,186,472
Poster paper.....	"	829	53,425
Other.....	"	3,620	291,647
Safety paper, for cheques, etc.....	—	—	224,168
Stencil.....	quire	31,142	63,577
Tissue.....	short ton	3,567	632,691
Toilet.....	—	—	1,669,991
Towels.....	—	—	403,289
Typewriter, not elsewhere specified.....	ream	93,863	47,814
Wallpaper.....	—	—	*
Waxed.....	lb.	16,135,806	2,209,637
Wrapping paper—			
Bag.....	short ton	5,060	519,771
Bogus or wood manila.....	"	4,755	361,588
Kraft.....	"	54,401	5,059,427
Manila.....	"	4,075	424,526
Other wrapping paper.....	"	11,488	1,375,508
Paper, miscellaneous, not elsewhere specified.....	—	—	517,198
Papeteries.....	—	—	361,069
Paper board—			
Bristol and index board.....	short ton	2,320	410,818
Corrugated board.....	"	23,560	1,198,037
Coloured boards, all grades.....	"	12,357	647,433
Liner, kraft.....	"	22,290	1,036,160
Manila, lined.....	"	8,786	484,708
Mill wrappers.....	"	33,006	969,807
Mounting board.....	—	—	*
Clay coated and enamelled.....	lb.	1,427,471	111,993
Patent coated, white.....	short ton	25,771	1,607,152
Testboard.....	"	58,745	2,640,782
Silicated.....	—	—	*
Wallboard, all kinds, n.e.s.....	—	—	1,686,378
Waterproof.....	—	—	*
Wholly from waste paper.....	short ton	20,791	844,640
Wholly from wood pulp.....	"	28,514	1,275,197
Combination board, not specified.....	"	8,433	399,678
All other board.....	—	—	1,170,070
Paraldehyde.....	—	—	*
Partitions, steel.....	—	—	58,797
Paste, adhesive.....	—	—	132,147
Paste, meat and fish.....	—	—	*
Paste, tooth.....	—	—	1,414,751
Patterns and models, foundry and other.....	—	—	97,454
Patterns, paper.....	No.	5,997,705	817,889
Patterns, wood.....	—	—	135,523

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Patterns, rug	—	—	*
Patterns, shoe	No.	241,846	112,780
Peanut butter	lb.	8,242,505	889,683
Peanuts, roasted and salted	"	6,361,568	661,157
Pears, split	"	1,508,332	40,773
Ponies, cant hooks and pike poles	—	—	120,096
Peetin	—	—	*
Pencils, lead, ordinary	doz.	1,861,196	396,951
Pencils, lead, adjustable	"	31,331	165,167
Pencils, other, not specified	"	6,795	3,978
Pennants	—	—	21,636
Pen holders	—	—	*
Pens, fountain	No.	694,182	692,035
Pens, fountain, holders and nibs	—	—	*
Percolators, electric	No.	3,364	18,301
Perfumes	—	—	398,414
Periodicals—			
Magazines, other periodicals, etc.	—	—	3,981,929
Newspapers, daily	—	—	33,860,896
Newspapers, weekly and other	—	—	6,568,933
Phonographs	—	—	10,003
Phonograph records	—	—	*
Phosphorus	—	—	*
Photo-engraving	—	—	1,913,264
Photo-lithographing and printing	—	—	87,020
Photographic materials, not elsewhere specified (including photo paper)	—	—	625,630
Photography (commercial)	—	—	65,586
Pianos—			
Grand	No.	163	66,485
Upright	—	379	60,229
Upright, player	—	—	*
Piano actions	—	—	*
Piano and organ keys	—	—	*
Piano hammers	—	—	*
Piano strings	—	—	*
Pickets	M	20,077	193,931
Pickles, all kinds	gal.	1,035,214	1,214,906
Picture frames and moulding	—	—	505,684
Pies, cakes and pastry	—	—	12,784,434
Piling	M lin. ft.	82	11,603
Pillow cases, bureau runners, scarves, etc.	—	—	155,187
Pillows and cushions	No.	254,307	276,916
Pins, plain and hair pins	—	—	206,788
Pipe and fittings, cast iron, soil	lb.	14,643,830	452,456
Pipe and fittings, cast iron, other	"	34,110,000	1,193,182
Pipe, lead	"	2,558,465	228,776
Pipe and fittings, malleable iron	"	5,948,000	948,290
Pipe, sewer, clay, copings, etc.	—	—	527,385
Pipe, sewer and culvert, cement	—	—	202,345
Pipe, culvert, galvanized sheet	—	—	106,593
Pipe and fittings, steel	—	—	4,444,620
Pipes, wooden	—	—	*
Pipes, wrought iron, and fittings	—	—	*
Pipes, not specified	—	—	17,941
Pipes, tobacco	—	—	14,200
Pipe (tobacco) cleaners	—	—	*
Piston rings, automobile	No.	5,962,047	719,486
Piston rings, locomotive	lb.	107,690	24,134
Pistons, automobile	—	—	*
Pitch	—	—	*
Planters, corn	No.	1,007	27,836
Planters, potato	—	—	*
Platework, steel, miscellaneous	—	—	554,389
Plates, sheets and strips, steel, brass, bronze, copper	1. ton	61,664	5,154,278
Plates, license, and mine	—	—	68,285
Plates, paper	—	—	61,110
Plating blanks	—	—	*
Platinum, refined	—	—	*
Ploughs	No.	30,306	760,199
Plugs, rubber	—	—	*
Plugs, wooden	—	—	38,441
Plumbers' supplies, not elsewhere specified (iron, brass and copper)	—	—	1,341,547

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Plumbers' supplies, rubber.....	—	—	85,667
Ply wood.....	M surf. ft.	18,535	901,446
Poison, gopher.....	—	—	*
Poles, wooden.....	No.	5,556	9,063
Polish, furniture.....	—	—	120,998
Polish, metal.....	—	—	87,932
Polish, shoe.....	—	—	455,723
Polish, stove.....	—	—	116,099
Polishes and waxes, floor.....	—	—	818,982
Polishes and dressings, harness and belt.....	—	—	23,402
Polishes and dressings, automobile.....	—	—	99,145
Polishes and dressings, not specified.....	—	—	60,939
Polishers, floor, electric and other.....	No.	2,616	32,846
Popcorn.....	lb.	887,886	224,353
Postcards, printed.....	—	—	111,205
Posts, wooden.....	No.	21,878	2,352
Posts, poles and piles of cement.....	—	—	*
Posts, steel.....	—	—	72,401
Potassium chlorate.....	—	—	*
Potato chips (factory made).....	lb.	83,028	23,581
Pot secures.....	—	—	*
Pottery, glazed or unglazed.....	—	—	223,733
Pottery from imported clay.....	—	—	*
Poultry, sold fresh.....	lb.	11,927,487	1,936,155
Powder, baking.....	"	10,709,126	1,988,840
Powder, buttermilk.....	"	1,463,223	79,187
Powder, cream.....	"	37,353	12,150
Powder, custard.....	"	442,929	83,468
Powder, ice cream and ice cream mix.....	"	46,395	11,345
Powder, jelly.....	"	6,754,262	1,217,943
Powder, junket.....	—	—	*
Powder, lemon.....	lb.	24,995	11,999
Powder, milk.....	"	2,002,829	226,132
Powder, malted milk.....	—	—	*
Powder, pudding.....	lb.	458,757	108,763
Powder, skim milk.....	"	16,868,214	1,106,852
Powders, edible, not specified.....	"	168,306	30,257
Powder, paste.....	—	—	*
Powders, sachet.....	—	—	8,473
Powder, talcum, and face.....	—	—	1,284,470
Press cloths.....	—	—	8,488
Processes, racket, tennis and badminton.....	No.	21,291	6,707
Processes, hydraulic, and other power.....	—	—	13,662
Printing—	—	—	*
General, for trade.....	—	—	611,384
Private and personal.....	—	—	319,954
Multigraphing and mimeographing.....	—	—	102,607
Newspapers, magazines and other periodicals, printed.....	—	—	3,560,156
Other printed matter: menus, programmes, etc.....	—	—	2,332,880
Printing and painting on textile fabrics.....	—	—	285,470
Propellers and shafts.....	—	—	*
Publications, subscription, and sales of (see "Periodicals").	—	—	*
Protectors, dress.....	No.	511,524	68,077
Puddings.....	—	—	65,018
Puffs, powder.....	—	—	131,094
Pulleys, wood.....	—	—	17,265
Pulpers and slicers.....	No.	605	13,217
Pulp, fruit.....	lb.	1,368,570	47,524
Pulpstones, artificial.....	—	—	*
Pulpwood.....	cord	440,803	3,454,422
Pulp, wood—	—	—	*
Ground wood—	—	—	*
Quantity made.....	short ton	2,340,441	—
Quantity sold.....	"	150,919	2,854,415
Soda fibre.....	—	—	*
Sulphate fibre—	—	—	*
Quantity made.....	short ton	205,980	—
Quantity sold.....	"	106,847	5,058,524
Sulphite fibre, bleached—	—	—	*
Quantity made.....	"	340,262	—
Quantity sold.....	"	318,309	16,899,982
Sulphite fibre, unbleached—	—	—	*
Quantity made.....	"	650,380	—
Quantity sold.....	"	135,492	4,672,630

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Pulp, wood—Concluded			
Screenings—			
Quantity made	short ton	84,175	—
Quantity sold	"	39,456	363,155
Pumps, centrifugal	"	—	455,159
Pumps, hand	"	—	209,394
Pumps, piston, steam and electric	"	—	157,532
Pumps, piston, other power	"	—	129,966
Pumps, vacuum	"	—	*
Pumps, wooden	No.	1,481	20,037
Pumps, gasoline handling	"	—	389,742
Pumps, not specified, and pump parts	"	—	13,530
Punches and shears, metal-working	"	—	*
Purses, pocket-books and folders	No.	317,070	266,430
Potty and other fillers	lb.	4,992,713	184,161
Pyjamas, all kinds	doz.	194,904	2,159,171
Pyrometers	"	—	*
Quilts and quilted goods	"	—	181,192
Racquets, badminton and squash	No.	29,263	101,230
Racquets, tennis	"	48,970	184,541
Radiator compounds	"	—	24,581
Radiators, automobile	No.	43,698	253,787
Radiators, heating, concealed type	"	—	*
Radiators, heating, direct type	"	—	1,027,726
Radio sets, tubes, and accessories	"	—	10,214,161
Radio cabinets and tables	No.	129,123	855,582
Rail anchors	"	—	*
Rail welding parts	"	—	*
Rails, O. H. steel—			
Quantity made	l. ton	96,689	—
Quantity sold	"	88,023	3,660,274
Railway frogs, switches and other track equipment	"	—	278,482
Railway car and coach fittings, bearings, etc.	lb.	11,341,788	1,140,981
Railway equipment, not specified	"	—	99,323
Rakes, hand	No.	129,609	75,318
Razor blades	"	35,739,940	885,509
Razor straps	"	—	*
Razors, safety	"	—	*
Recorders, time	"	—	*
Rectifiers, for storage battery charging, and parts	No.	340	32,649
Reels, garden hose, and other	"	—	*
Refractories	short ton	1,383	33,515
Refractory coatings	gal.	11,815	15,100
Refrigerators, electric	No.	30,523	3,997,705
Refrigerators, other	"	—	329,111
Refrigerator parts	"	—	159,617
Regalia, all kinds	"	—	84,092
Registers, account	"	—	*
Registers, cash	"	—	*
Registers and grills, air	"	—	104,526
Regulators, not specified	"	—	*
Remedies, stock and poultry	"	—	262,546
Retinet, extract	"	—	*
Repair patches, gums, etc. (automobile)	"	—	366,404
Resin	"	—	*
Ribbons	y.d.	35,708,296	578,141
Rice, cleaned, etc.	ton	20,714	1,051,533
Rilles	"	—	*
Rings, fruit jar, rubber	lb.	610,641	148,360
Rings, fruit jar, zinc	"	—	*
Tubes, carriage and automobile	"	—	6,885
Rockwool	"	—	*
Rolls and bars, bronze, brass and copper	lb.	4,515,383	645,490
Rolls, copper wire	"	78,399,983	6,275,199
Rolls, iron and steel, wire—			
Quantity made	l. ton	176,086	—
Quantity sold	"	77,418	2,738,111
Roll covering, rubber	lb.	180,506	89,724
Rollers, hand and land packers	No.	553	14,036
Rollers, printers	lb.	307,969	199,255
Rolls, rubber covered	"	—	127,643

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Roofing preparations, not elsewhere specified.	—	—	299,012
Rope.	lb.	8,408,407	928,935
Rubber, reclaimed.	—	—	—
Rubber goods, hard.	—	—	19,255
Rubber goods, moulded.	lb.	956,719	424,746
Rubber goods, sanitary, n.s.	—	—	40,336
Rubber goods, soft and sponge.	—	—	172,849
Rubber goods, not specified.	—	—	147,880
Rubber stocks.	—	—	11,784
Rubber thread.	lb.	292,535	342,798
Rugs, automobile.	No.	35,565	70,808
Rules, steel.	—	—	—
Rules, wooden.	—	—	39,381
Ruling (printing plants).	—	—	183,171
Rust preventatives.	—	—	42,059
Saddles.	No.	1,213	17,360
Saddlery accessories and parts.	—	—	11,348
Sails, vauls and fittings.	—	—	285,430
Sails, all kinds.	No.	1,005	23,040
Salt.	ton	321,753	1,954,953
Salt curing.	—	—	—
Sanders (wood-working).	No.	11	3,984
Sandwich relish and spread.	—	—	116,808
Sanitary goods, n.e.s.	—	—	4,000
Sanitary ware.	—	—	1,393,491
Sash, doors and millwork.	—	—	6,229,043
Sash, steel.	—	—	282,073
Sauces, catsups and relishes.	gal.	2,011,018	3,087,274
Sauerkraut.	lb.	874,421	32,467
Sausage casings.	—	—	1,925,966
Sausage, fresh or cured.	lb.	50,083,030	5,923,979
Sawdust sold.	—	—	110,221
Sawmill products, n.e.s.	—	—	185,383
Saws, all kinds.	—	—	844,188
Saw parts and saw outfits.	—	—	312,462
Scales.	No.	10,551	802,038
Scissors.	doz.	78,074	632,630
School supplies, n.s.	—	—	7,524
Scrap, metal.	lb.	1,432,678	99,695
Scrap, iron and steel.	short ton	74,521	477,482
Scrap, n.s.	—	—	61,723
Screenings, barley, etc.	ton	6,587	94,210
Screens, door and window.	—	—	251,116
Screens, industrial.	—	—	—
Screws and screw machine products.	—	—	1,634,948
Seuffers.	No.	8,340	52,528
Seythos.	—	—	—
Seals, corporation, and other.	—	—	16,795
Searchlights, projectors, etc.	—	—	—
Seasoning, dry and liquid.	—	—	30,194
Seeders, not specified.	—	—	—
Separators, grain.	—	—	—
Shades, window, shade cloth and fittings.	—	—	1,633,211
Shanks, shoe.	—	—	62,065
Shapers and jointers, wood-working.	No.	25	11,631
Shapers, metal-working.	—	—	47,328
Sharpeners, pencil.	—	—	—
Shawls.	doz.	990	13,549
Sheet forms, commercial, etc., printed.	—	—	8,747,370
Sheets and sheeting, fabric, not elsewhere specified.	—	—	1,155,307
Sheeting, rubber, hospital.	yd.	154,118	85,399
Sheeting, rubber, crib.	doz.	25,774	44,968
Sheet iron ware, not elsewhere specified.	—	—	135,818
Sheet metal building materials, not elsewhere specified.	—	—	958,948
Sheet metal products, not elsewhere specified.	—	—	80,744
Sheets, galvanized.	—	—	2,832,089
Shells.	gal.	142,609	305,411
Shelving, steel.	—	—	61,715
Shields, dress (see "Protectors").	—	—	—
Shim, railroad, and other.	—	—	56,929
Shingle bands.	—	—	—
Shingles, wooden.	—	—	4,468,263

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Shingles, asbestos	—	—	*
Shipbuilding—			
Steel vessels	No.	5	305,267
Wooden vessels	"	21	107,787
Vessels under construction	—	—	77,798
Repairs to vessels	—	—	4,835,215
Shirts, fine, cotton	doz.	539,761	5,612,604
Shirts, fine, silk, and artificial silk	"	2,103	38,712
Shirts, fine, dress	"	29,787	227,594
Shirts, work	"	328,299	2,489,466
Shirts, not specified	—	—	130,493
Shock absorbers, automobile	—	—	*
Shoddy, mungo and wool extract	lb.	4,519,982	572,528
Shoe supplies, not elsewhere specified	—	—	*
Shoe uppers	pr.	58,990	85,783
Shoos, box	—	—	3,327,952
Shortening, from slaughtering establishments—			
Containing animal fat	lb.	7,159,809	642,816
Containing no animal fat	"	58,640,894	4,697,573
Shortening, from other miscellaneous industries	"	22,574,775	1,641,036
Shorts and middlings	ton	280,021	5,073,745
Shovels, power, and hand	—	—	*
Shuttlecocks, badminton	gross	3,672	80,019
Signs, electric	—	—	73,949
Signs, gas, neon, and other	—	—	721,209
Signs, brass, and other metal	—	—	919,425
Silico-manganese	l. ton	604	38,650
Silicon carbide	short ton	16,398	1,858,746
Silk broad—			
All real silk	yd.	8,453,921	3,997,530
Real silk mixtures	"	4,409,279	2,550,986
Artificial silk	"	25,789,711	11,523,358
Artificial silk and mixtures	"	10,205,612	2,783,910
Silk and artificial silk, knitted goods, not elsewhere specified	—	—	435,317
Silk, raw, (sold)	—	—	*
Silos	—	—	*
Silver alloys	—	—	*
Silver refined	—	—	*
Silver nitrate	—	—	*
Size	—	—	*
Skates	pair	329,492	183,336
Skewers	—	—	313,630
Skis	pair	32,705	44,345
Ski poles	"	23,174	58,499
Skins, calf	No.	426,355	22,598
Skins, sheep	"	780,326	510,869
Skins, pickled	"	410,173	517,151
Skins, raw and dressed	—	—	86,682
Skirts—			
Silk	No.	17,416	712,808
Artificial silk	"	105,694	50,943
Woollen	"	317,148	232,836
Other	"	49,236	513,308
Skirts and bloomers	"	51,192	40,525
Sluba and edgings	—	—	54,646
Sleighs	No.	1,676	660,930
Sleighs, children's	"	1,676	68,898
Slicers, meat and bread	"	74,747	60,576
Slippers, cloth, carpet, etc.—			
Babies'	pair	990	124,543
Boys'	"	37,719	15,120
Children's	"	35,741	18,842
Men's	"	226,229	98,016
Women's	"	215,500	163,744
Smelter and refinery products	—	1,598,034	816,426
Smocks, women's	—	—	149,936,239
Smocks, and overall jackets	doz.	22,624	177,235
Smoke breaching	"	34,821	414,862
Smokers' sets	—	—	6,668
Smokestacks, steel	—	—	23,640
Snaths, scythe	—	—	30,140
Snowshoes	—	—	*

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Soap—			
Household and laundry soap and chips.....	lb.	106,223,574	5,513,495
Linseed oil.....	"	24,000	1,220
Liquid soap.....	"	908,432	67,039
Medicated.....	—	—	*
Polishing or scouring.....	lb.	392,608	14,893
Powder.....	"	16,417,500	1,200,551
Soft.....	"	2,365,449	116,460
Textile and mill soap.....	"	1,797,410	165,227
Toilet soap.....	"	27,495,311	3,308,407
Hard soap, shaving, including shaving creams.....	—	—	496,587
Hard soap, all other.....	lb.	13,038,907	526,559
Soup stock.....	"	1,725,266	49,129
Soap, kind not specified.....	—	—	60,247
Sockets, receptacles, rosettes and plugs.....	—	—	*
Sodium aluminate.....	—	—	*
Sodium arsenate.....	—	—	*
Sodium arsenite.....	—	—	152,031
Sodium bisulphate (nitre cake).....	—	—	*
Sodium bisulphite.....	—	—	*
Sodium carbonate.....	—	—	1,364,315
Sodium chlorate.....	—	—	*
Sodium cyanide.....	—	—	*
Sodium hydroxide.....	—	—	*
Sodium sulphate (Glauber's salt).....	—	—	*
Sodium sulphate (salt cake).....	—	—	*
Solder.....	lb.	3,090,359	816,712
Soling, rubber—			
Rubber and composition soles.....	pair	3,130,551	506,742
Rubber and composition half-soles.....	"	661,729	95,490
Soling and slabs for heels.....	lb.	1,041,580	209,195
Soles, leather, and heel lifts, not elsewhere specified.....	—	—	147,801
Soles, felt, and other (insoles).....	—	—	83,465
Soup, canned.....	lb.	49,820,986	4,947,774
Soyabean cake.....	—	—	*
Spades and shovels.....	—	—	*
Spark plugs.....	No.	4,946,478	1,013,944
Sparcs.....	—	—	*
Spices, mixed, whole, or ground.....	lb.	3,775,538	1,250,150
Spiegel Eisen.....	1. ton	17,932	462,813
Spikes, pit.....	—	—	*
Spikes, railway.....	—	—	393,799
Spikes, ship and drift.....	1. ton	167	11,975
Spinning wheels.....	No.	1,031	5,154
Spools, bobbins, and shuttles.....	—	—	557,106
Spoolwood.....	—	—	281,476
Sport gloves and mitts.....	—	—	34,069
Sporting goods, not specified.....	—	—	111,495
Sprayers, hand, and power.....	—	—	127,896
Springs, automobile.....	—	—	789,062
Springs, bed, box.....	No.	7,986	75,025
Springs, bed, woven wire.....	"	9,420	45,086
Springs, bed, not specified.....	—	—	1,072,593
Springs, upholstery.....	—	—	107,867
Springs for cars and locomotives.....	lb.	3,976,342	256,813
Springs, other, not specified.....	—	—	368,892
Stains.....	Imp. gal.	282,084	413,380
Stairs, iron.....	—	—	104,077
Stampings, automobile.....	—	—	285,480
Stampings, metal, not elsewhere specified.....	—	—	380,752
Stampings, steel.....	—	—	110,672
Stamps, rubber.....	—	—	200,215
Stamps, steel.....	No.	91,043	39,779
Stamps and dies, not specified.....	—	—	25,041
Stamps, postage, revenue, etc.....	—	—	399,941
Staples, wire.....	—	—	*
Quantity made.....	lb.	41,659	—
Quantity sold.....	"	39,544	147,316
Starch, chlorinated.....	—	—	*
Starch, corn, edible.....	—	—	*
Starch, corn, laundry.....	—	—	*
Starch and flour, potato.....	lb.	3,577,800	118,532
Stationery goods, rubber, not specified.....	—	—	186,111

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Statues and art goods	—	—	43,970
Staves, barrel	—	—	450,471
Steam traps, etc.	—	—	182,148
Stearine	lb.	879,714	34,756
Steel, structural, fabricated	—	—	2,614,796
Steel shapes erected—			
Bridges	ton	3,173	422,715
Buildings	"	20,789	2,068,002
Steel, reinforcing, and other steel products not specified	—	—	837,622
Stencils	—	—	25,872
Stocking dryers	No.	162,995	20,651
Stokers, mechanical	—	—	659,502
Stoker parts	—	—	60,649
Stone, artificial	—	—	86,511
Stools, benches and cabinets	—	—	5,775
Store fixtures, not specified	—	—	58,444
Stove and furnace pipe	—	—	482,108
Stoves—			
Coal and wood	No.	126,346	3,620,780
Electric and combination coal and electric	"	25,191	1,551,399
Gas and combination coal and gas	—	—	1,297,030
Gas plates	No.	3,987	30,521
Stove parts, not elsewhere specified	—	—	464,276
Straps, leather	doz.	21,455	30,175
Straws, soda	M	212,387	78,128
Strings, racquet	—	—	55,943
Stucco cement	—	—	*
Sugar butter	lb.	966,016	76,454
Sugar, granulated—			
Beet	"	114,002,950	—
Cane	"	662,057,817	31,353,782
Sugar, grape	—	—	*
Sugar, invert	lb.	2,922,495	178,144
Sugar, maple	"	3,455,813	371,195
Sugar of milk	"	232,548	13,953
Sugar, soft	"	112,702,595	4,098,330
Suits, boys—			
Play suits, washable	dos.	71,982	376,459
Woollen	"	37,353	1,845,030
Other, not specified	"	3,379	218,050
Suits, men's—			
Woollen	No.	1,054,655	15,343,190
Other, not specified	"	52,368	726,163
Suits, women's and misses'—			
Cotton	"	3,912	34,888
Silk	"	21,958	115,823
Woollen	"	276,077	2,415,987
Other, not specified	"	3,794	25,098
Suits, knitted, women's and children's	dos.	36,994	1,421,699
Suits, ski	—	—	*
Sulphur dioxide (liquid)	—	—	*
Sulphur dichloride	—	—	*
Sulphur, n.s.	—	—	*
Superheaters	—	—	*
Superphosphate	short ton	48,252	557,401
Surfactors, wood-working	No.	18	16,312
Surgical and orthopaedic appliances and surgical dressings—			
Surgical bandages and dressings	—	—	528,950
Surgical belts	—	—	170,791
Surgical stockings, elastic	—	—	36,160
Orthopaedic corsets	pair	566	6,273
Artificial limbs and parts	—	—	51,304
Orthopaedic supports, not specified	—	—	26,749
Foot essers, arch supports, heel cushions, etc.	—	—	45,226
Trusses	No.	33,586	73,802
Surgical and orthopaedic appliances, not specified	—	—	112,824
Suspenders, supporters and garters	—	—	752,281
Sweaters, jackets, etc.	doz.	321,940	4,748,528
Sweeping compounds	—	—	59,623
Swings, gallery	—	—	*
Switch gear and protective equipment (except telephone switch-boards)	—	—	1,600,533
Switches, n.s.	—	—	20,774

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Syringes, fountain, and attachments.....	doz.	17,791	57,320
Syrup, corn.....	—	—	*
Syrup, fountain, and fruit juices.....	—	—	1,856,326
Syrup, maple (factory made).....	lb.	2,080,920	243,888
Syrups, table.....	gal.	212,567	141,686
Syrups, from cane (not including molasses).....	lb.	6,011,484	195,139
Table cloths and napkins.....	—	—	*
Tablets, bronze.....	—	—	*
Tacks, cut and wire.....	—	—	293,951
Tags and labels, shipping.....	—	—	2,786,951
Tags and tickets, printed.....	—	—	393,353
Tags and checks, other.....	—	—	2,556
Tailors' supplies, including canvas fronts, pads, etc.....	—	—	529,982
Tallow.....	lb.	24,237,210	891,717
Tankage, animal.....	"	26,616,674	349,252
Tanks, gasoline and oil, storage (service stations).....	—	—	402,524
Tanks, sheet steel, pressure.....	—	—	536,002
Tanks, sheet steel, storage.....	—	—	392,352
Tanks, sheet steel, not specified.....	—	—	14,210
Tanks, brass and copper.....	—	—	72,082
Tanks, steel plate.....	—	—	235,670
Tanks, truck.....	—	—	63,357
Tanks, other, not specified.....	—	—	115,010
Tape, adhesive.....	—	—	*
Tape, rubber, and friction.....	lb.	639,395	199,697
Tape, paper, gummed.....	—	3,700,309	434,883
Tape, telegraph.....	—	—	*
Tapes, fabric.....	—	—	257,472
Tapes, measuring.....	—	—	*
Tapestries.....	yd.	1,254,787	1,042,775
Tapioca, granulated.....	—	—	*
Taps, brass.....	—	—	154,629
Tarlatan.....	—	—	*
Tar, coal, crude.....	Imp. gal.	25,840,781	1,397,413
Tar, refined.....	—	6,415,445	532,622
Tar roofing, n.s.....	—	—	141,857
Tar from petroleum refineries.....	—	—	*
Tea, blended, etc.....	lb.	27,935,867	11,980,884
Telephone material, not elsewhere specified.....	—	—	*
Tenoners and mortisers, wood-working.....	—	—	*
Tents.....	—	—	348,348
Thermits.....	—	—	*
Thermometers.....	—	—	*
Thinners, pyroxylin.....	Imp. gal.	439,089	582,439
Thread, cotton.....	—	—	3,089,873
Thread and twist, silk and artificial silk.....	—	—	*
Thresholds and reaper-thresher combined.....	No.	753	610,821
Ties, sawn.....	"	3,801,033	1,705,159
Tile, alundum.....	—	—	*
Tile, drain.....	M	7,324	180,553
Tile, floor and wall.....	sq. ft.	341,513	89,544
Tile, gypsum.....	"	353,621	27,352
Tile, roofing, and hollow blocks.....	—	—	245,974
Tiling and sheet flooring, rubber.....	lb.	163,073	39,728
Timbers, mine.....	M lin. ft.	2,364	162,793
Tin (from scrap).....	—	—	*
Tin plate.....	—	—	*
Tin products.....	—	—	*
Tinsel garlands and ribbons.....	—	—	*
Tinware, japanned, or not.....	—	—	582,900
Tire fabrics.....	lb.	16,251,169	4,979,106
Tires and tubes—	—	—	*
Balloons, casings.....	No.	2,133,637	16,799,803
High-pressure, casings.....	"	477,585	6,950,984
High-pressure and balloon inner tubes.....	"	2,349,217	3,057,306
Bicycle tires.....	—	—	*
Bicycle tubes.....	No.	266,651	93,068
Other tires and tubes.....	—	—	124,073
Tires, railway car wheel.....	—	—	*
Tire braids, auto.....	—	—	*
Toasters, electric.....	No.	108,889	187,029

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value. \$
Tobacco—			
Chewing, cut and twist	lb.	279,152	244,839
Chewing, plug	"	2,830,083	2,397,812
Smoking, leaf	"	675,993	125,587
Smoking, cut	"	18,136,198	18,718,763
Smoking, plug	"	1,103,972	1,095,054
Smoking, twist	—	—	*
Snuff	lb.	788,913	1,063,449
Stems and cuttings	"	271,208	14,220
Tobacco, raw, leaf, processed	"	26,398,802	5,122,733
Toboggans	No.	8,272	24,717
Toilet preparations, not elsewhere specified—			
Brilliantine, oily, and liquid	—	—	67,998
Compacts and lipsticks	—	—	459,648
Crems, solid, or liquid, all kinds	—	—	973,016
Toilet waters and lotions	—	—	703,676
All other	—	—	1,460,144
Toilet ware, silver	—	—	145,402
Tomato juice	lb.	17,818,545	967,744
Tomato paste and puree	"	5,618,365	242,725
Tomato pulp	"	6,120,158	320,247
Tools, carpenters and mechanics	—	—	142,387
Tools, pneumatic	—	—	*
Tools, other, not specified	—	—	607,440
Toothpicks	—	—	*
Tow, green	ton	1,248	43,120
Towelling	yd.	2,477,701	296,798
Towels, all kinds, including face cloths	doz.	860,424	1,128,089
Towels, sanitary	—	—	1,051,530
Toys—			
Toy animals	doz.	28,317	62,114
Toy holsters	—	—	*
Toys, cast iron	—	—	*
Toys, wooden	—	—	78,628
Miscellaneous toys, not specified	—	—	92,850
Tractors, steam, gasoline, etc.	—	—	*
Trade work, not elsewhere specified (printing plants)	—	—	323,225
Transfer work	—	—	*
Transformers	—	—	2,249,334
Transmission towers, electric	ton	1,238	125,481
Traps and fittings, lead	lb.	441,783	130,472
Traps, animal	—	—	*
Trays, display	No.	25,621	11,692
Trimmings, not specified	—	—	119,421
Troughs	—	—	1,120
Trucks, factory, and other hand trucks	—	—	65,581
Trunks of all kinds	No.	53,542	320,976
Tubes, collapsible	—	—	*
Tubes, vacuum, X-ray tubes, vapour lamps, glow lamps, etc.	No.	16,411	73,190
Tubing, brass, copper, etc.	—	—	*
Tubing, rubber	lb.	63,942	31,151
Tubing, steel	—	—	1,106,245
Tubing and twisting, knitted	lb.	135,800	60,006
Turbines and water-wheels	—	—	105,798
Turpentine	—	—	*
Twine, binder—			
Chiefly sisal	lb.	47,593,027	3,023,694
Other	"	7,591,750	440,846
Twine and cordage, all kinds	"	5,390,530	1,106,534
Type and type metal	"	4,102,992	318,644
Typesetting (trade composition)	—	—	607,575
Typewriter ribbons	—	—	249,656
Typewriters	No.	16,307	840,293
Umbrellas	doz.	18,928	316,336
Undertakers' supplies, not specified	—	—	245,362
Underwear—			
Cotton and cotton mixed, combination	doz.	472,581	3,251,741
Cotton and cotton mixed, separate	"	1,019,548	3,409,278
Cotton and cotton mixed, not specified	"	6,343	21,507
Merino and mixed, combination	"	46,334	741,709
Merino and mixed, separate	"	51,323	476,300
Silk	"	59,830	582,531

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Underwear— <i>Concluded</i>			
Silk mixtures	doz.	80,120	568,136
Artificial silk and mixtures, combination	"	47,920	324,679
Artificial silk and mixtures, separate	"	531,957	2,040,919
Artificial silk, not specified	"	113,038	374,557
All wool and mixtures, combination	"	46,076	893,427
All wool and mixtures, separate	"	159,028	1,290,817
Underslips	"	203,167	1,754,757
Not specified	"	33,916	236,439
Uniforms, woollen	No.	28,013	427,091
Uniforms, hospital, and nurses	"	—	287,224
Uniforms, maids' and waiters	doz.	5,549	64,714
Uniforms, other	"	—	117,476
Upholstering material, not specified	—	—	30,710
Valves, brass and bronze	—	—	931,054
Valves, iron	—	—	534,935
Valves, not specified	—	—	90,216
Varnishes, oil and spirit	Imp. gal.	1,491,608	2,282,975
Vaults, cement, burial	—	—	*
Vaults, steel, burial	—	—	57,991
Vegetables, canned—			
Asparagus	lb.	1,439,097	208,850
Beans, baked	"	38,683,523	1,930,338
Beans, green, or wax	"	10,307,213	676,000
Beets	"	1,003,489	73,876
Carrots	"	624,474	35,759
Corn, cream of	"	24,504,004	1,436,395
Corn, on cob	"	530,518	29,608
Peas	"	41,257,327	2,777,070
Pumpkin	"	4,479,507	177,581
Spinach	"	1,216,515	96,492
Tomatoes	"	88,992,394	3,374,430
Other, not specified	"	1,036,236	97,798
Vegetables, evaporated	—	—	*
Vehicles, children's	—	—	393,150
Veneer	M Surf. ft.	67,638	627,623
Vests, woollen	No.	30,002	72,797
Vests, other	—	—	31,389
Vinegar—			
Spirit	gal.	3,231,565	1,054,315
Cider	"	846,974	197,442
Malt	"	380,146	211,586
Visors, cap	—	—	3,646
Wagons, complete (<i>see also</i> "Carriages and Wagons")	—	—	*
Wagon and sleigh parts	—	—	*
Wall board, gypsum, and other	sq. ft.	34,603,208	817,387
Wall plaster, gypsum	lb.	84,987,776	566,034
Washboards	No.	319,986	70,478
Washers, iron	—	—	73,827
Washers and gaskets, not specified	—	—	43,503
Washing compounds	—	—	144,309
Waste, cotton and jute	—	—	845,459
Waste, wool, and mixtures	—	—	586,817
Waste, not specified	—	—	56,437
Waste, wood	—	—	48,840
Watches	—	—	366,618
Watch cases	—	—	202,990
Waterglass	—	—	*
Water, distilled	gal.	87,632	11,712
Water, aerated	—	—	10,978,039
Waters, mineral, natural	—	—	52,113
Waterproofing of fabrics	—	—	21,736
Water and steam fittings	—	—	112,904
Water systems	—	—	*
Wax	—	—	*
Wax, sealing	—	—	*
Weatherstrip	—	—	94,239
Webbing, elastic, and non-elastic	—	—	1,488,109
Webbing, duck jute, and other	—	—	33,874
Weeders	No.	546	28,090
Weed killer	—	—	109,569

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Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Welding apparatus with control equipment and accessories.....	—	—	161,740
Welting, Goodyear.....	yd.	6,728,125	181,150
Wheelbarrows and parts.....	—	—	67,049
Wheels, automobile.....	—	—	1,860,603
Wheels, railway car.....	—	—	2,845
Wheels, not specified.....	—	—	15,445
Whips and whip lashes.....	—	—	—
Whiskies and other potable spirits, produced.....	prf. gal.	2,912,522	1,106,677
Whiskies and other potable spirits, bottled or shipped.....	"	3,413,945	12,506,201
Whisks.....	dos.	43,910	62,251
White, satin.....	—	—	—
Windmills.....	—	—	—
Wine, distilled.....	—	—	—
Wine, fermented, bottled or shipped.....	gal.	3,292,643	3,947,263
Wine, produced and placed in storage for maturing.....	"	3,690,994	1,177,806
Wine, n.s.....	—	—	—
Wiping cloths and rags.....	—	—	613,185
Wire, barbed—	—	—	—
Quantity made.....	"	12,564	—
Quantity sold.....	"	11,781	711,286
Wire, iron and steel, cold rolled, flat.....	—	—	86,622
Wire, brass, bronze and copper.....	—	—	106,114
Wire, iron and steel, galvanized—	—	—	—
Quantity made.....	short ton	34,378	—
Quantity sold.....	"	14,864	914,006
Wire, coated, not elsewhere specified—	—	—	—
Quantity made.....	short ton	4,193	—
Quantity sold.....	"	3,475	320,746
Wire, plain.....	—	—	1,665,718
Wire, twisted strand.....	—	—	84,544
Wire rope and cable, steel.....	lb.	10,790,000	1,509,088
Wires and cables, electrical.....	—	—	8,467,120
Wires and cables, n.s.....	—	—	123,321
Wire, gold-filled, and alloys.....	—	—	—
Wire cloth, brass and bronze.....	sq. ft.	2,213,225	1,067,508
Wire cloth, iron and steel, including screen cloth.....	—	—	579,252
Wire mesh, steel, woven and welded.....	lb.	3,223,032	140,976
Wire netting.....	—	—	183,243
Wire shapes.....	—	—	151,836
Wire work, iron.....	—	—	26,740
Wire goods.....	—	—	407,256
Wiring devices, not elsewhere specified.....	—	—	1,631,686
Wooden products, not specified.....	—	—	449,009
Wood, flour.....	—	—	—
Woodware kitchen.....	—	—	91,546
Woodware, not specified.....	—	—	20,796
Wood preservation.....	—	—	—
Wood turning, not specified.....	—	—	137,298
Woodwork, sanitary.....	—	—	84,237
Woodwork, sewing machine.....	—	—	—
Wool, raw.....	lb.	16,421	2,500
Wool, pulled.....	"	1,306,094	273,340
Woollen cloth—	—	—	—
All wool, woollen.....	yd.	7,262,690	7,332,328
All wool, worsted.....	"	3,050,492	4,763,034
Cotton, warp, woollen.....	"	947,699	453,843
Flannels.....	"	12,029	12,150
Velours and plushes.....	"	705,433	996,104
Woollen and worsted goods, not specified.....	"	1,365,986	1,255,322
Wrappers, bottle.....	—	—	179,079
Wrappers, paper, not specified.....	—	—	285,274
Wringers, clothes.....	No.	25,616	86,607
Yarn made for sale—	—	—	—
Cotton, bleached and dyed.....	lb.	4,692,820	1,889,365
Cotton, grey.....	"	22,179,518	6,922,752
Cotton, not specified.....	"	1,671,783	412,483
Silk and artificial silk.....	"	7,149,855	5,885,180
Woollen.....	"	5,828,414	2,128,288
Worsted.....	"	6,799,194	6,711,724
Not specified.....	—	—	317,303
Yeast and yeast food.....	lb.	14,182,995	3,208,392

NOTE.—The asterisk (*) indicates that the commodity was reported by only one or two concerns

Alphabetical List of Products Manufactured in Canada, 1934—continued.

Items.	Unit of Measure.	Quantity.	Value.
			\$
Zinc (other than smelter products).....	—	—	46,929
Zinc cyanide.....	—	—	—
Zinc oxide and zinc dust.....	lb.	1,921,419	101,543
Zinc products, not specified.....	—	—	12,834
Manufactured food products, packaged only.....	—	—	303,926
Amount received by clothing contractors.....	—	—	1,531,932
All other products, not specified—			
Vegetable products group.....	—	—	398,138
Animal products group.....	—	—	1,168,971
Textile products group.....	—	—	443,226
Wood and paper products group.....	—	—	2,992,597
Iron and its products group.....	—	—	13,091,596
Non-ferrous metal products group.....	—	—	1,535,427
Non-metallic mineral products group.....	—	—	912,722
Chemicals and chemical products group.....	—	—	1,567,522
Miscellaneous products group.....	—	—	744,102
Custom work and repairs—			
Vegetable products group.....	—	—	464,051
Animal products group.....	—	—	178,155
Textile products group.....	—	—	2,009,762
Wood and paper products group.....	—	—	1,406,666
Iron and its products group.....	—	—	27,454,315
Non-ferrous metal products group.....	—	—	1,647,980
Non-metallic mineral products group.....	—	—	125,183
Chemicals and chemical products group.....	—	—	25,507
Miscellaneous products group.....	—	—	733,304
Products which were reported by only one or two firms and for which figures cannot be shown separately.....	—	—	71,836,019
Total value of all products.....	—	—	2,567,493,540

NOTE.—The (*) indicates that the commodity was reported by only one or two concerns.

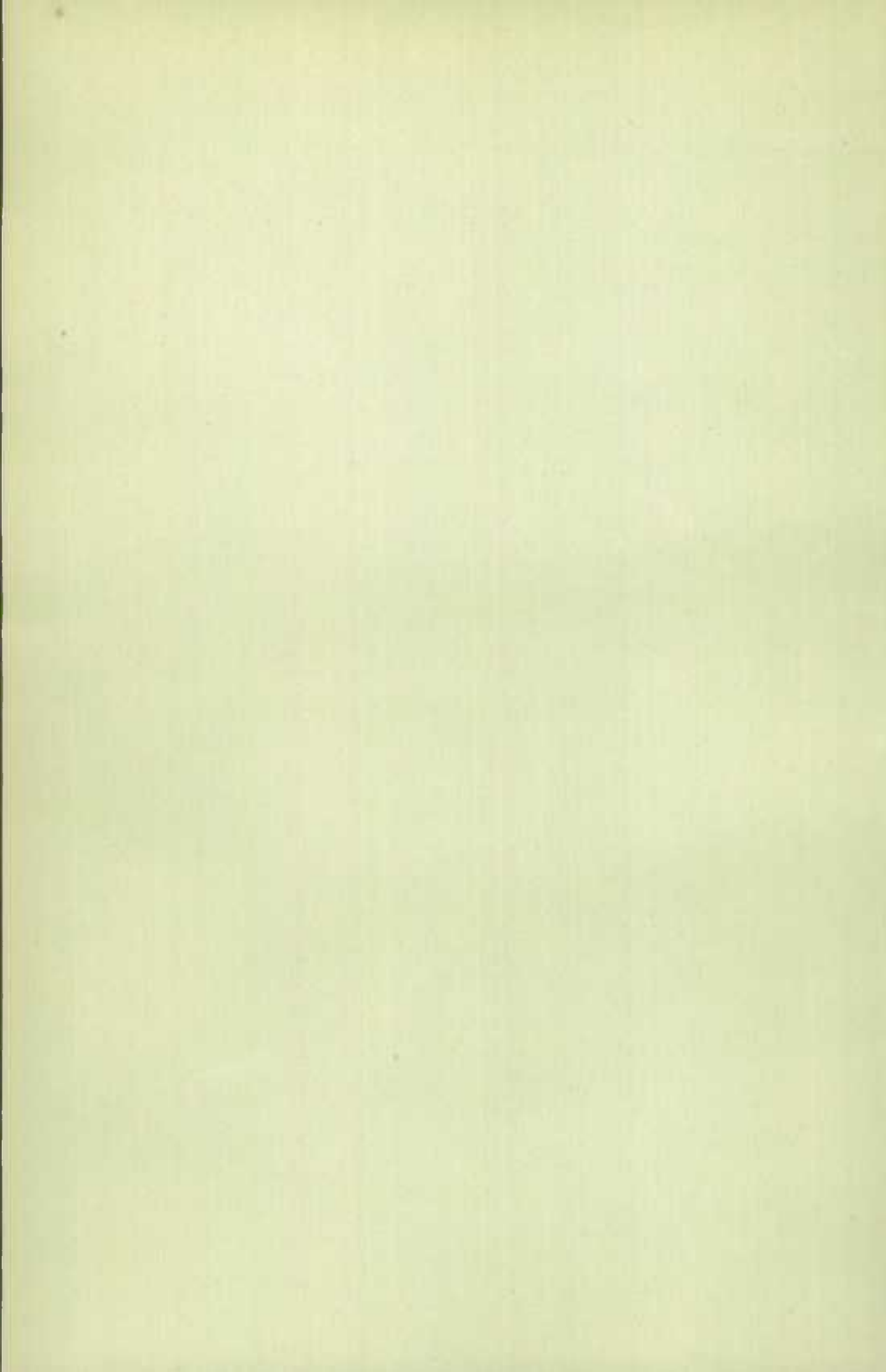
CANADA

LIST OF PUBLICATIONS, CENSUS OF MANUFACTURES; DOMINION BUREAU OF STATISTICS

Manufactures

- (1) General—General Report on the Manufacturing Industries of Canada, Price 25 cents; Geographical Distribution of the Manufacturing Industries of Canada, Price 20 cents; Also Report for the Provinces and Leading Cities; Alphabetical List of Products; (annual report); Quantity of Manufacturing Production in Canada, 1923-29; Consumption of Luxuries (annual report).
- (2) Manufactures of Vegetable Products—General Report of Manufactures of Vegetable Products, Price 50 cents. Annual Bulletins as follows: (a) Coffee, Tea, Spices and miscellaneous foods; (b) Fruit and Vegetable Preparation, including Canning, Evaporating and Preserving, and Pickles, Sauces, Vinegar and Cider; (c) Flour and Grist Mill Products; (d) Bread and other Bakery Products; (e) Biscuits and Confectionery, including Cocoa and Chocolate; (f) Macaroni and Vermicelli; (g) Distilled Liquors; (h) Breweries; (i) Wine; (j) Rubber Goods and Rubber Boots and Shoes; (k) Prepared Breakfast Foods; (l) Sugar Refineries; (m) Tobacco Products; (n) Linseed Oil and Soya Bean Oil; (o) The Canned Foods Industry; (p) Ice Cream; (q) Pack of Fruits and Vegetables, preliminary; (r) Barley and Its Production; (s) Mixed Feed Trade in Canada; (t) Stocks of Unmanufactured Tobacco on hand, quarterly report.
- (3) Animal Products and their Manufactures—Annual Reports and Bulletins as follows: (a) The Dairy Factory Industry, Price 25 cents; (b) Slaughtering and Meat Packing and Sausage and Sausage Casings; (c) Leather Tanneries; (d) Harness and Saddlery, Leather Belting, Trunks and Valises, Miscellaneous Leather Goods; Boot and Shoe Findings, Leather; (e) Leather Boots and Shoes; (f) Leather Gloves and Mitts; (g) Fur Goods, Fur Dressing. Monthly Bulletin on Boot and Shoe Production. Monthly Bulletin on Concentrated Milk Products. Annual Statement on Production of Processed Cheese.
- (4) Textile and Allied Industries—General Report on the Textile Industries of Canada, Price 50 cents. Annual Bulletins as follows: (a) Cotton Textiles (cloth, yarn, thread and waste); (b) Woollen Textiles (cloth, yarn, waste, carpets and woollen goods, n.e.s.); (c) The Silk Industry; (d) Men's Factory Clothing; (e) Women's Factory Clothing; (f) Hats and Caps; (g) Hosiery and Knitted Goods; (h) Men's Furnishings, n.e.s.; (i) Oiled Clothing and Waterproofs; (j) Cordage, Rope and Twine; (k) Corsets; (l) Cotton and Lute Bags; (m) Dyeing, Cleaning and Laundry Work; (n) Dyeing and Finishing of Textiles; (o) Awnings, Tents and Sails; (p) Production and Consumption of Raw Wool in Canada, 1931; (q) Consumption of Wool, Tops and Yarns, 1932.
- (5) Manufactures of Forestry Products—Printed Bilingual Annual Reports, Price 25 cents each: (a) The Lumber Industry; (b) The Pulp and Paper Industry; (c) Wood-Using Industries; (d) Paper-Using Industries. Mimeographed Annual Bulletins: (a) The Lumber Industry; (b) Lumber Distribution in Canada and the United States (biennial); (c) The Pulp and Paper Industry; (d) Planing Mills, Sash and Door Factories; (e) Hardwood Flooring; (f) Furniture; (g) Boxes, Baskets and Crates; (h) Carriages, Wagons and Materials; (i) Cooperage; (j) Coffins and Caskets; (k) Sporting Goods; (l) Boatbuilding; (m) Laths, Trees and Shoe Findings; (n) Handles, Spools and Woodturning; (o) Woodenware; (p) Excelsior; (q) Miscellaneous Wood-Using Industries; (r) Printing and Publishing; (s) Printing and Bookbinding; (t) Lithographing; (u) Engraving, Electrotyping and Stereotyping; (v) Trade Composition; (w) Paper Boxes and Bags; (x) Blueprinting; (y) Roofing Paper; (z) Miscellaneous Paper Goods. The Printing Trades (combining (r), (s), (t), (u), (v) and (x)). Mimeographed Monthly Bulletins—(a) Asphalt Roofing Production; (b) Asphalt Roofing Sales; (c) Rigid Insulating Board Shipments.

- (6) Iron and Steel and their Products—Biennial Report, price 25 cents. Annual Bulletins as follows: Preliminary Summary on the Iron and Steel Industry. (a) Primary Iron and Steel; (b) Castings and Forgings; (c) Boilers, Tanks and Engines; (d) Farm implements and machinery; (e) Machinery; (f) Automobiles; (g) Automobile parts; (h) Railway Rolling Stock; (i) Wire and Wire Goods; (j) Sheet Metal Products; (k) Hardware, Tools and Cutlery; (l) Bridge Building and Structural Steel; (m) Miscellaneous Iron and Steel Products. Commodity Bulletins on the production of Pig Iron; Steel; Washing Machines; Cream Separators; Warm Air Furnaces; Galvanized Sheets, Wire Nails; Wire Rope and Cable; Steel Wire; Wire Fencing; Stoves, etc.
Monthly Bulletins: (a) Iron and Steel; (b) Automobile Statistics.
- (7) Manufactures of Non-Ferrous Metals—Biennial Report. Price 25 cents. Annual Bulletins as follows: Preliminary Summary on Manufactures of Non-Ferrous Metals. (a) Aluminium Products; (b) Brass and Copper Products; (c) Lead, Tin and Zinc Products; (d) Jewellery and Silverware; (e) Electrical Apparatus and Supplies; (f) Miscellaneous Non-Ferrous Metal Goods. Quarterly Reports on Production and Sales of Radio Sets and Sales of Storage Batteries. Commodity Bulletins on the Production of Batteries; Silverware; Vacuum Cleaners; Electric Motors and Generators; Electric Transformers; Incandescent Lamps, etc.
- (8) Manufactures of the Non-Metallic Minerals—Biennial Report, price 25 cents. Annual Bulletins as follows: Preliminary Summary on Manufactures of Non-Metallic Minerals. (a) Aerated Waters; (b) Asbestos Products; (c) Cement; (d) Cement Products; (e) Coke and Gas; (f) Glass (blown, cut and ornamental, etc.); (g) Lime; (h) Petroleum Products; (i) Products from Domestic Clays; (j) Products from Imported Clays; (k) Salt; (l) Sand-lime Brick; (m) Dressed Stone; (n) Artificial Abrasives and Abrasive Products; (o) Miscellaneous Non-Metallic Mineral Products, including Carbon Electrodes—Gypsum Products—Mica Products—Non-Metallic Minerals, n.e.s. Also special report on the consumption of Coke in Canada. Monthly Bulletin on Coke Statistics.
- (9) Chemicals and Allied Products—Biennial Report, price 25 cents. Annual Bulletins as follows: Preliminary Summary on Chemicals and Allied Products. (a) Coal Tar Distillation; (b) Acids, Alkalies and Salts; (c) Compressed Gases; (d) Explosives, Ammunition and Fireworks; (e) Fertilizers; (f) Medicinal and Pharmaceutical Preparations; (g) Paints, Pigments and Varnishes; (h) Soaps, Cleaning Preparations and Washing Compounds; (i) Toilet Preparations; (j) Inks; (k) Adhesives; (l) Polishes and Dressings; (m) Wood Distillation; (n) Miscellaneous Chemical Products, including Boiler Compounds; Cellulose Products; Insecticides; Sweeping Compounds; Disinfectants; Matches; Dyes and Colours; Chemical Products, n.e.s. Special Reports on the Fertilizer Trade in Canada. Commodity Bulletins on Sulphuric Acid, Ammonium Sulphate, etc. Special Report—Directory of Chemical Industries in Canada, as of July 1, 1932. Special Report on the Consumption of Chemicals in Municipal Waterworks in Canada, 1934 and 1935.
- (10) Miscellaneous Manufactures—General Report. Annual Bulletins as follows: (a) Brooms, Brushes and Mops; (b) Musical Instruments (including pianos, organs and phonographs) and Musical Instrument Materials and Parts; (c) Buttons; (d) Bed Springs and Mattresses.
- (11) Electrical Stations—(a) Annual Report on Central Electric Stations in Canada; (b) Report on Index Numbers of Electric Light Rates; (c) Report on use of Electric Energy in Industries; (d) Monthly Report on Electric Energy Generated.



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