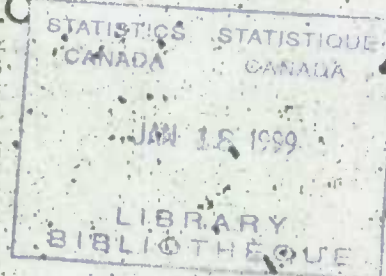


CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

REPORT
on the
MANUFACTURING STATISTICS
of the
PROVINCE OF QUEBEC
1924



Published by authority of the Hon. James Malcolm,
Minister of Trade and Commerce

OTTAWA

1925

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 Chief, Census of Industry: J.C. Macpherson.

MANUFACTURES OF QUEBEC

1924

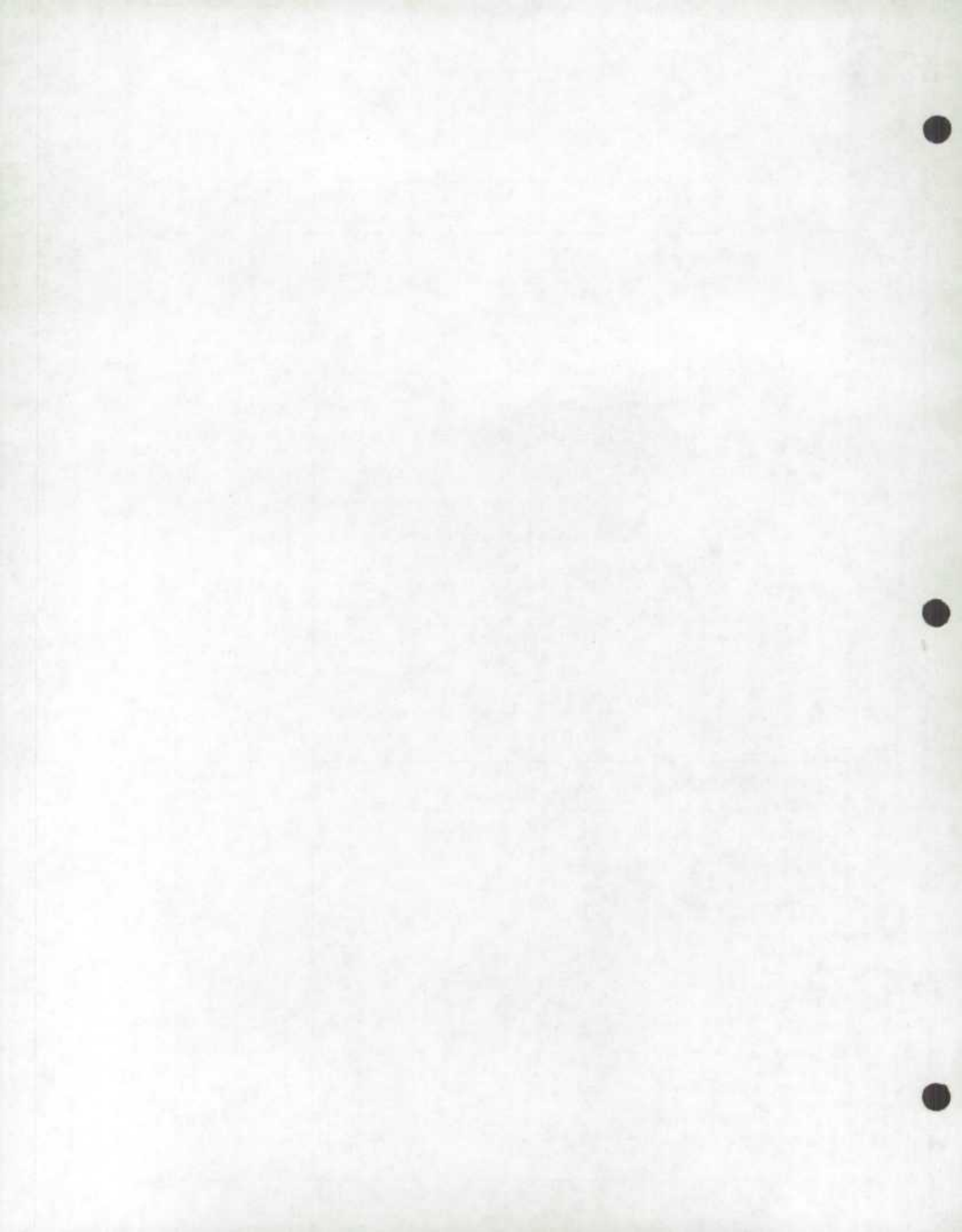
Ottawa, October 18th, 1926. A report on the manufacturing industries of the Province of Quebec is herewith presented for the calendar year 1924. A comparison of the principal industrial statistics for the years 1923 and 1924 is given in the summary table following and also the increase or decrease in each of the principal statistical items.

Other tables of the report dealing with the principal phases of industrial activity appear in the following order.

- Table 1. Forty leading industries of the province of Quebec, 1924.
- Table 2. Principal statistics by groups of industries, 1923 and 1924.
- Table 3. Capital invested by groups of industries.
- Table 4. Fuel consumption by groups of industries.
- Table 5. Power installation by groups of industries.
- Table 6. Principal statistics of the cities and towns of the Province in order of value of production, 1924.

Principal Statistics, Province of Quebec, Compared 1923 and 1924

Principal Statistics		1923	1924	Increase + Decrease -
Establishments reporting	No.	7,142	6,847	- 295
Capital invested	\$	1,009,898,982	1,044,113,969	+ 34,214,987
Employees on salaries -				
Male	No.	17,464	16,743	- 721
Female	No.	3,836	4,139	+ 303
Total salaries	\$	40,557,364	38,146,425	- 2,410,939
Employees on wages -				
Male	No.	102,812	101,272	- 1,540
Female	No.	39,510	39,498	- 12
Total wages	\$	123,798,718	124,232,859	+ 1,034,141
Outside pieceworkers -				
Male	No.	188	235	+ 47
Female	No.	1,721	794	- 927
Total amount paid	\$	392,804	245,573	- 147,231
Cost of fuel	\$	17,231,245	16,089,367	- 1,141,878
Primary Power Equipment	H.P.	1,277,304	1,827,307	+ 550,003
Cost of materials	\$	396,714,471	385,880,826	- 10,833,645
Gross value of products	\$	811,103,396	776,232,244	- 34,871,152
Net value of products	\$	414,388,925	390,351,418	- 24,037,507



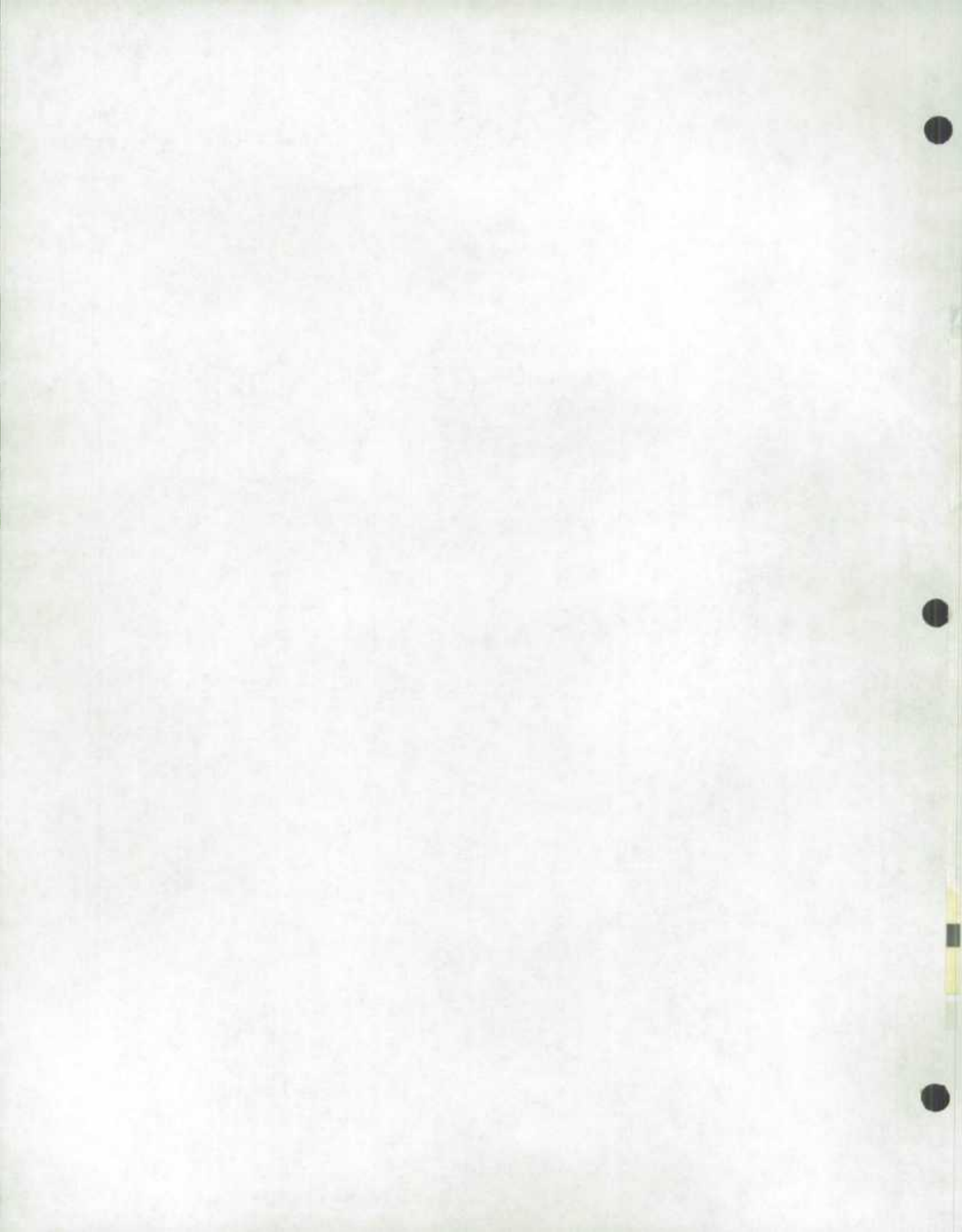
MANUFACTURES OF QUEBEC, 1924

Forty Leading Industries of Quebec.

The principal statistics of the forty leading industries of the province of Quebec are presented in Table I, for the calendar year 1924. The leading industry of Quebec in 1924 in point of production was the pulp and paper industry, with the cotton industry in second place and tobacco, cigars and cigarettes in third place. In capital investment, the pulp and paper industry again leads with electric power plants second and cottons third. The forty industries represented 80.1 per cent of the total number of establishments reported for the province whilst capital investment was 84.1 per cent, employees 61.6 per cent, salaries and wages 61.6 per cent, cost of materials 80 per cent and value of production 61.3 per cent.

Table I. Forty Leading Industries of the Province of Quebec, 1924.

Industries	Estab- lishments No.	Capital	Number of Employees	Salaries and Wages	Cost of Materials	Value of Products
Pulp and paper	49	220,709,994	13,532	17,504,431	32,007,061	63,052,642
Cotton yarn and cloth	16	60,182,652	12,176	7,757,765	32,364,301	51,618,770
Cigars and cigarettes	49	27,322,125	5,277	4,504,161	10,201,260	39,606,983
Railway rolling-stock	7	31,179,450	8,100	10,628,924	16,765,149	31,721,611
Butter and cheese	1,563	7,470,843	2,094	1,430,063	21,062,410	27,420,100
Flour and gristmill products	395	12,277,650	1,020	1,211,766	22,531,401	26,757,290
Boots and shoes, leather	103	13,551,415	9,175	3,675,310	14,033,514	26,572,063
Sawmills	1,075	32,600,365	6,679	5,075,269	16,594,615	26,405,327
Electric light and power	151	162,012,514	2,700	2,962,255		25,490,596
Clothing, men's factory	101	14,344,594	6,659	6,745,398	11,566,172	22,469,432
Slaughtering and meatpacking	20	8,536,837	1,702	2,124,293	15,841,406	21,207,170
Clothing, women's factory	157	7,490,577	4,105	4,065,565	9,006,901	16,179,658
Breweries	9	19,094,244	1,684	2,068,211	8,075,276	15,958,656
Bread and other bakery products	662	20,016,068	3,574	3,707,019	8,270,016	15,493,596
Electrical apparatus and supplies	13	19,450,302	4,574	5,605,060	7,134,794	15,300,020
Tobacco, chewing and smoking	23	19,891,254	1,007	1,605,928	5,694,865	13,059,593
Rubber goods (including footwear)	8	9,330,519	3,403	2,762,371	4,101,635	12,597,770
Printing and publishing	66	11,451,068	3,626	4,369,015	3,602,900	12,528,512
Castings and forgings	63	21,526,436	3,492	3,909,256	5,155,070	11,427,753
Planing mills, sash and door factories	312	12,346,677	3,134	2,745,461	6,658,561	10,504,586
Machinery	25	16,622,004	3,316	4,054,441	3,941,256	10,617,938

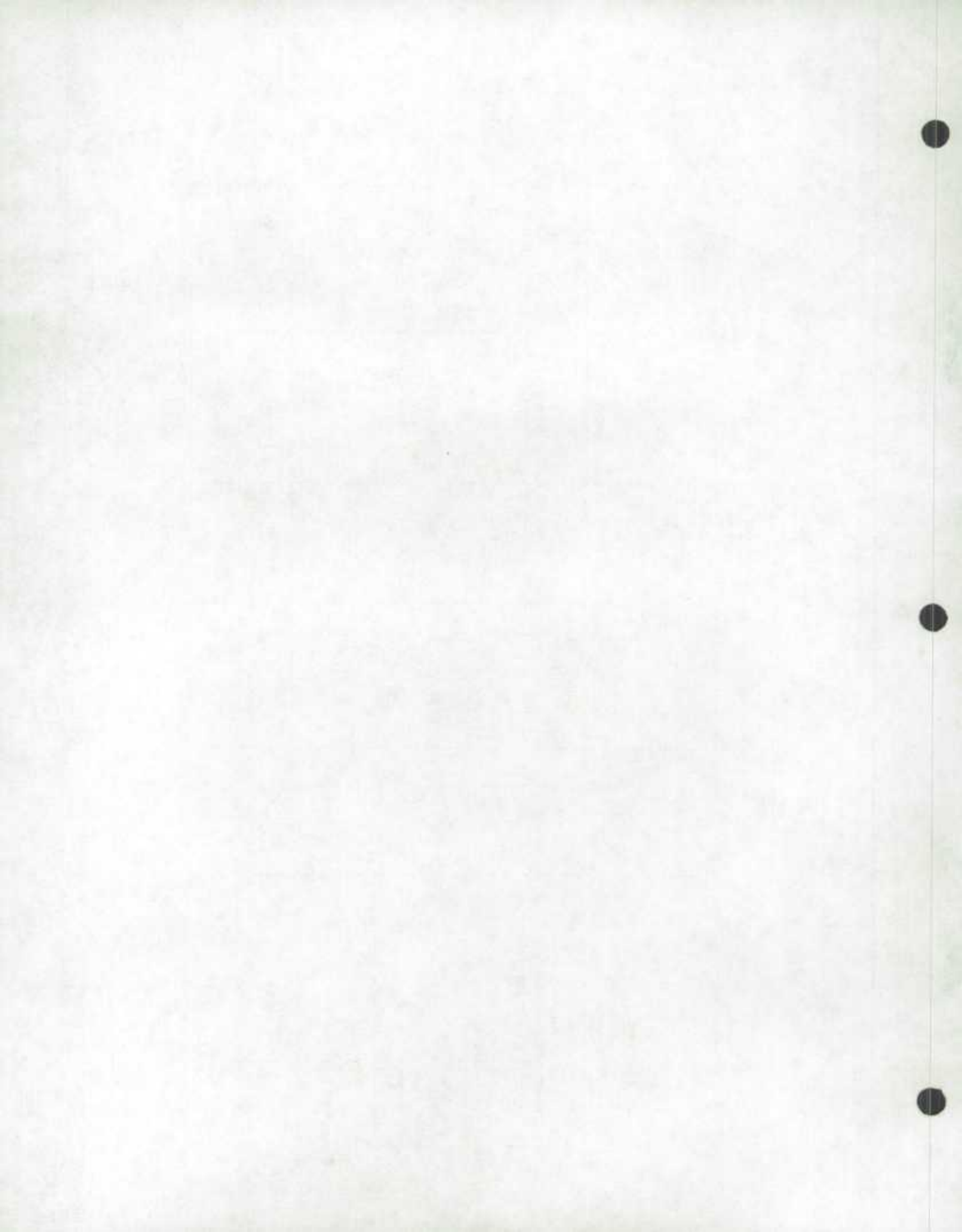


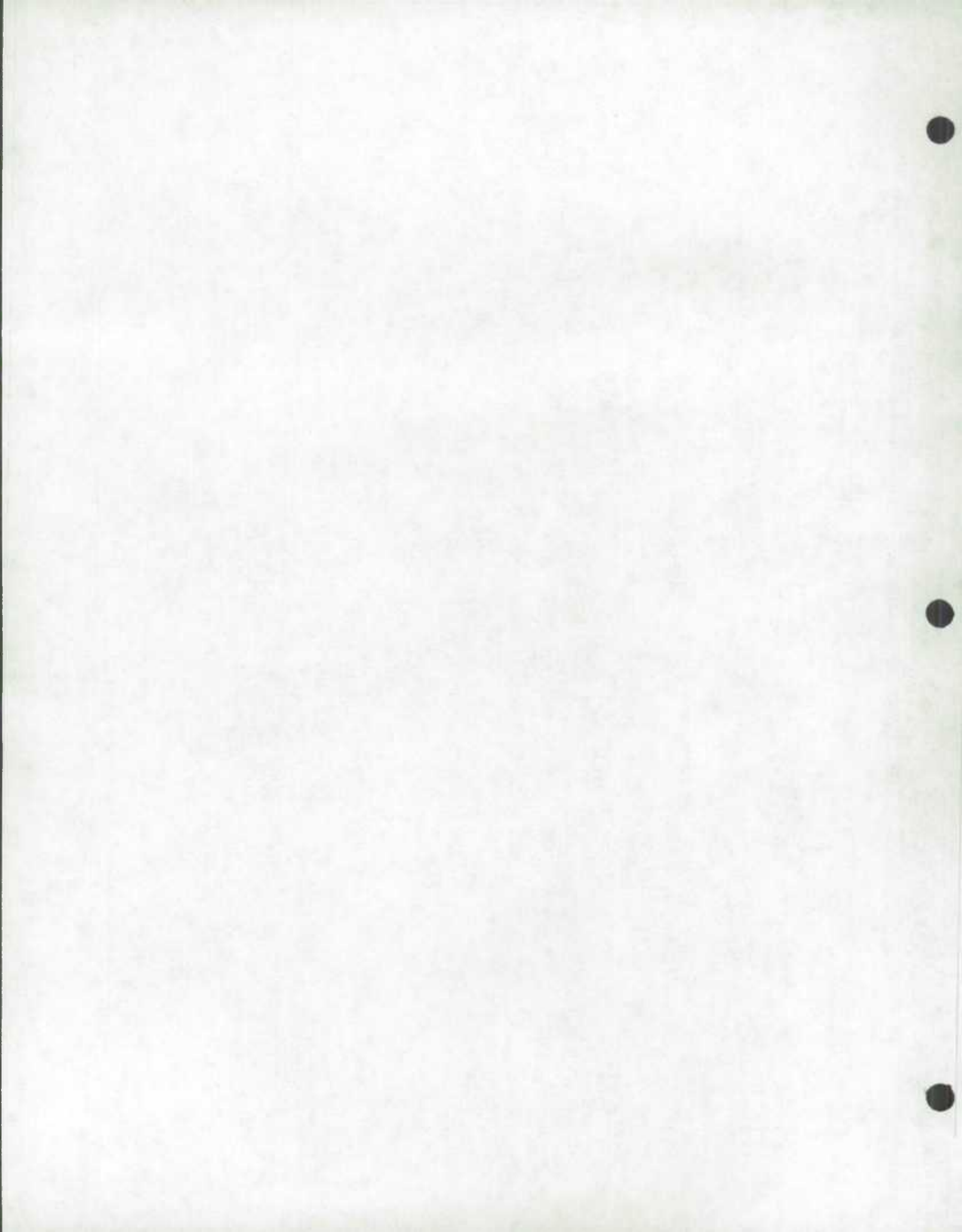
MANUFACTURES OF QUEBEC, 1924

Forty Leading Industries of Quebec - Cont'd.

Table 1. Forty Leading Industries of the Province of Quebec, 1924.

Industries	Estab- lishments No.	Capital	Number of Employees	Salaries and Wages	Cost of Materials	Value of Products
Explosives, ammunition, fireworks, and matches	8	12,412,905	1,718	1,582,863	6,560,857	9,547,482
Furnishing goods, men's	55	8,350,903	3,448	2,095,753	5,116,549	9,672,430
Biscuits and confectionery	42	8,102,957	2,809	1,898,399	5,350,876	9,657,255
Paints and varnishes	14	11,214,324	1,077	1,308,947	5,485,204	8,925,660
Hosiery, knit goods, and gloves	31	8,382,326	2,557	1,921,907	4,663,087	8,440,688
Printing and bookbinding	198	7,774,807	2,696	3,249,388	2,379,338	7,971,052
Gas, illuminating and fuel	4	6,978,091	1,043	1,359,054	2,484,125	6,512,962
Acids, alkalies, salts and compressed gases	11	8,992,123	642	877,259	1,486,213	6,113,636
Steel and rolled products, pig-iron, ferro-alloys, etc.	9	13,907,174	1,476	1,705,150	1,294,095	5,260,236
Sheet metal products	12	6,255,030	1,422	1,342,946	2,418,003	4,992,596
Shipbuilding	5	14,457,324	1,924	2,507,140	1,147,851	4,704,956
Furniture and upholstering	67	3,731,294	1,940	1,850,415	1,563,441	4,520,343
Hardware and tools	23	9,449,979	1,291	1,325,214	1,185,546	4,443,718
Hats and caps	41	2,267,546	1,344	1,244,230	2,169,008	4,358,953
Dyeing, cleaning and laundry work	61	4,411,393	2,127	1,914,093	624,685	3,882,259
Bags, cotton and jute	4	1,995,722	296	256,406	3,356,586	3,809,003
Wire and wire goods	7	6,216,830	568	634,537	694,142	3,692,214
Soaps, washing compounds and toilet preparations	20	3,005,476	478	580,481	1,683,224	3,448,408
Glass, pressed and blown	3	5,155,361	989	1,126,797	1,019,037	3,418,687
Total, forty leading industries	5,482	878,278,331	131,927	132,891,938	308,652,878	631,092,668
Total, all industries	6,847	1,044,113,969	161,652	162,379,284	385,880,826	776,232,244
Percentage of leading industries to total	80.1	84.1	81.6	81.8	80.0	81.3





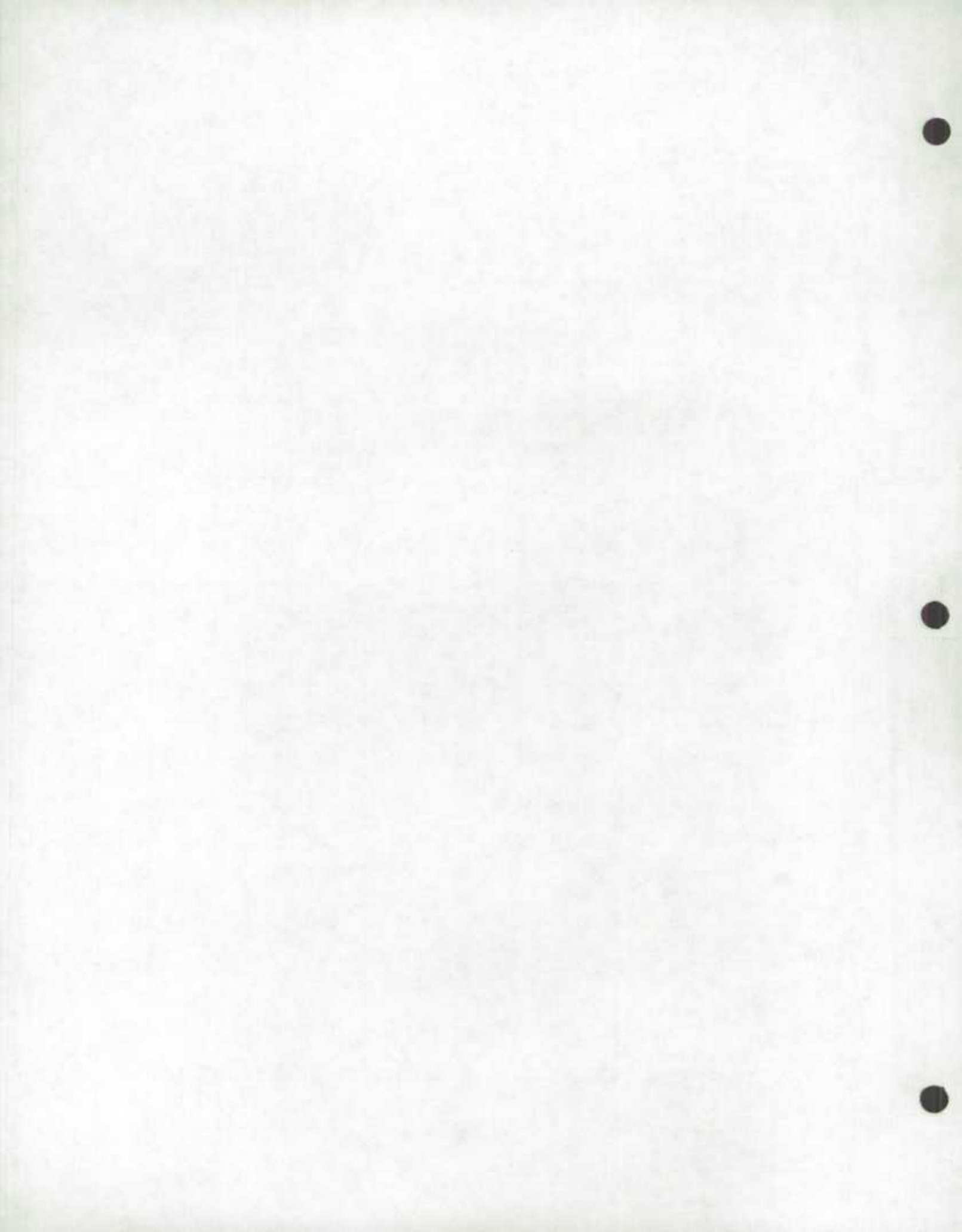
Capital Investment

The statistics of capital investment in the manufacturing industries of the province of Quebec are presented in Table 3, for the calendar year 1924 by groups of industries. The statistics are given under two main heads - Fixed capital which includes land, buildings, machinery and tools and working capital which includes (a) materials and stocks on hand, fuel and miscellaneous supplies on hand and (b) cash, trading and operating accounts and bills receivable. The total capital investment which in 1922 amounted to \$970,019,442 advanced to \$1,009,898,982 in 1923 and to \$1,044,113,969 in 1924. The increase in 1922-3 was \$39,879,540 or 4.1 per cent and in 1923-4 the increase was \$34,214,987 or 3.4 per cent.

The wood and paper group stands first in total capital investment with \$306,317,345 or 29.3 per cent with the miscellaneous group which includes electric power plants in second place with \$193,174,254 or 18.5 per cent. Textiles and textile products stand third, vegetable products fourth and iron and its products fifth followed in order by animal products, non-metallic mineral products, chemicals and allied products and non-ferrous metal products. The average capital investment per establishment for the past three years shows a continued steady growth. In 1922 the average capital per establishment was \$130,907. In 1923 it had increased to \$141,403 an increase of \$10,496 per establishment or 8 per cent and in 1924 it had further increased to \$152,492 an increase over 1923 of \$11,089 or 7.84 per cent.

Table 3. Capital invested in Groups of Industries in Quebec, 1924.

Groups of Industries	Fixed Capital	Working Capital		Total Capital
	Land, buildings, machinery and tools	Materials & stocks on hand, fuel & miscellaneous supplies	Cash, trading and operating accounts and bills receivable	
	\$	\$	\$	\$
Vegetable products	62,608,290	34,336,329	25,539,929	122,484,548
Animal products	27,247,852	15,163,641	11,500,458	53,911,951
Textiles and textile products	67,769,941	35,089,299	27,927,056	130,786,296
Wood and paper products	222,431,037	51,624,116	32,262,192	306,317,345
Iron and its products	58,586,976	21,825,287	28,235,271	108,647,534
Non-ferrous metal products	17,557,871	9,365,627	5,493,781	32,417,279
Non-metallic mineral products	39,273,076	8,352,776	4,740,794	52,366,646
Chemicals and allied products	24,356,457	9,715,094	9,976,565	44,048,116
Miscellaneous industry products	172,376,595	6,748,195	13,509,464	193,174,254
Totals Quebec	692,708,095	192,220,364	159,185,510	1,044,113,969



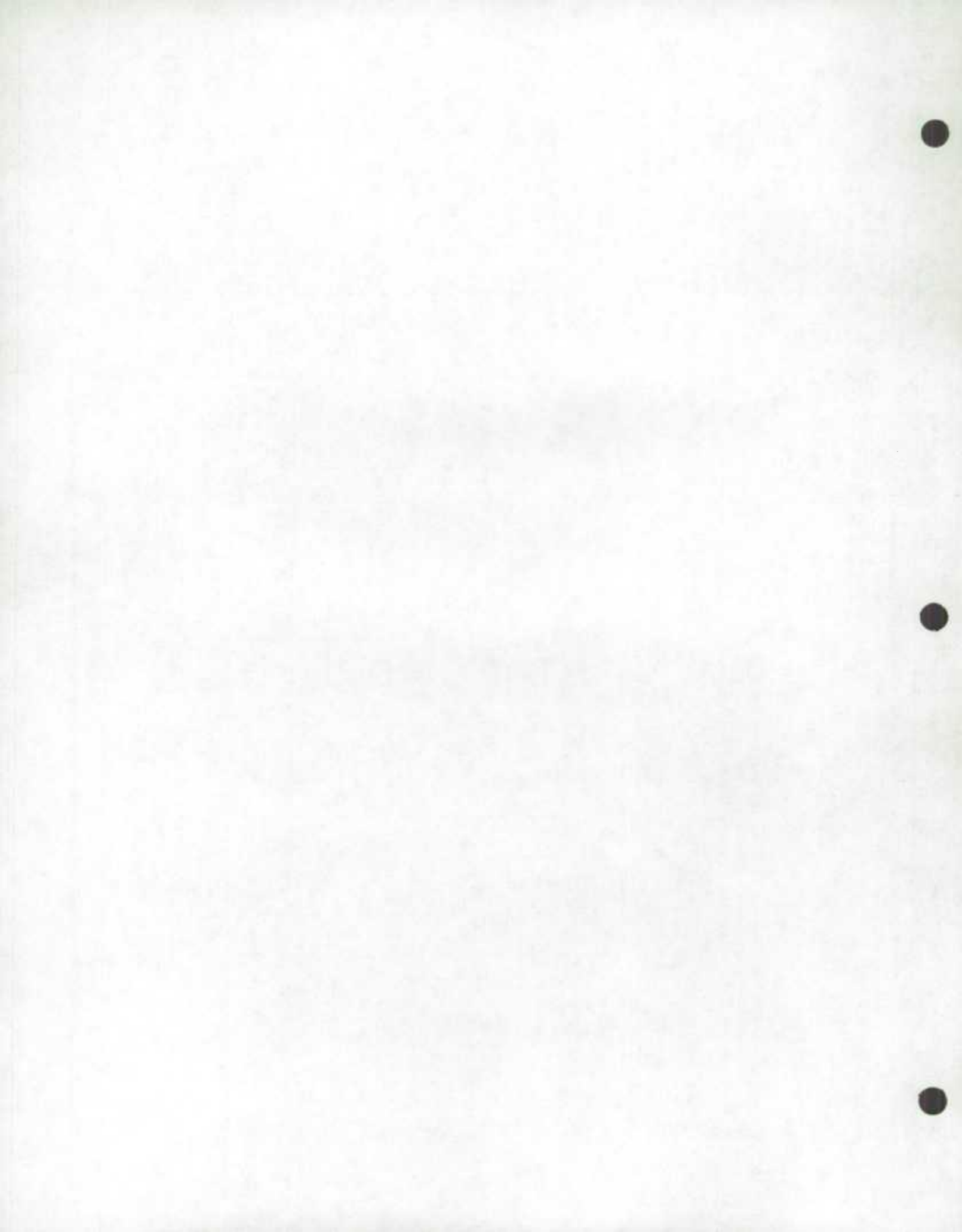
Fuel Consumption

The quantity and the cost value at the works of the various classes of fuel consumed by the industries of the Province of Quebec during the calendar year 1924 are shown in Table 4. The total cost of all fuel amounted to \$16,089,367 and of this total \$11,510,976 or 71.5 per cent represented the cost of coal of all kinds. Oil for fuel stands second in importance with an outlay of \$1,957,217 or over 12 per cent of the total cost. Gas and wood take third and fourth places with expenditures of \$874,774 and \$831,943 respectively, followed in order by coke (\$443,839), other miscellaneous fuels (\$316,522) and gasoline (\$154,096).

The consumption of fuel by groups shows the wood and paper group with a total expenditure of \$6,320,145 as the largest consumer. Next in order is the non-metallic group with \$3,432,992, the vegetable products group with \$1,707,021 and the iron and steel group with \$1,458,156.

Table 4. Fuel Consumption by Groups of Industries, 1924.

Industrial Groups	Bituminous Coal	Anthracite Coal	Lignite Coal	Coke	Gasoline	Oil	Wood	Gas	Other Fuel	Total
Vegetable products	55,005	170,756	6,257	76,819	27,600	253,705	211,066	97,350	6,371	1,707,021
Animal products	310,395	69,174	2,406	1,460	20,253	7,311	274,752	6,347	8,977	413,075
Textiles and textile products	1,075,379	127,565	3,259	11,703	20,504	16,476	9,499	19,140	7,826	1,291,431
Food and paper	4,475,100	802,899	4,731	11,322	31,614	560,506	202,821	30,495	200,977	6,320,145
Iron and steel products	872,528	163,895	-	64,195	21,196	313,243	17,768	38,139	7,190	1,458,156
Non-ferrous metal products	160,712	33,283	250	13,401	947	64,042	655	24,025	574	257,869
Non-metallic mineral products	1,675,056	59,454	120	228,941	16,604	707,604	103,569	639,252	2,390	3,432,992
Chemicals and allied products	373,462	84,511	33	30,207	6,154	21,658	3,936	14,229	9,340	543,550
Miscellaneous industries	124,325	48,235	-	5,791	9,134	12,672	3,877	5,797	73,277	203,108
Total	9,934,146	1,559,772	17,056	443,839	154,096	1,957,217	831,943	874,774	316,522	16,089,367



Power Equipment in Industries of the Province of Quebec

The statistics of power equipment installed in the manufacturing industries of the Province of Quebec are shown by groups of industries for the calendar year 1924 in Table 5. Power developed by steam increased by 3,315 h.p. and by water 152,395 h.p., whilst internal combustion engines decreased by 3,995 h.p. Electric motors in industry are of two classes: the first being those driven by purchased power and the second those driven by power generated by the establishment. In 1924 there was an increase in the first class of 19,545 h.p. or 5.6 per cent as compared with the preceding year and in the second class the increase was 9,529 h.p. or 7.4 per cent. The cost of electricity purchased during 1924 for lighting, heating and power amounted to \$11,684,790.

Table 5. Power Equipment in the Province of Quebec, 1924.

Groups of Industries	Steam engines and turbines h.p.	Internal combustion engines h.p.	Hydraulic turbines or water wheels h.p.	Total primary power h.p.	Electric motors		Total electric motors h.p.	Total power equipment for manufacturing purposes h.p.
					operated by purchased power h.p.	operated by owned power h.p.		
1. Vegetable products	11,612	1,455	16,201	29,268	30,061	6,128	36,209	59,349
2. Animal products	2,570	1,250	429	4,257	10,310	483	10,793	14,567
3. Textiles and textile products	8,436	102	15,796	24,334	36,500	11,911	48,411	60,834
4. Wood and paper products	92,807	5,033	195,244	293,084	181,662	104,060	285,742	474,766
5. Iron and steel products	14,388	210	1,816	16,416	53,037	5,030	58,117	69,503
6. Non-ferrous metal products	6,025	-	52,350	58,375	3,976	8,070	12,046	62,351
7. Non-metallic mineral products	5,416	265	4	5,689	20,165	1,751	29,976	33,074
8. Chemicals and allied products	3,678	134	6,310	10,222	10,379	1,283	12,362	20,601
9. Miscellaneous industry products	33,095	292	953,987	987,374	12,510	5	12,515	987,374 1/
Total	178,227	8,853	1,242,139	1,429,019	366,710	139,461	506,171	1,783,219 1/

1/ Exclusive of purchased power in the miscellaneous industry group, totalling 12,510 h.p.

MANUFACTURES OF QUEBEC, 1924.

Principal Statistics of Cities and Towns of Quebec, 1924.

Table 6 shows the principal industrial statistics for all cities and towns in the province whose production exceeded one million dollars in 1924. The total gross value of production of the 36 urban centres amounted to \$663,743,585 in a total for the entire province of \$776,232,244, representing approximately 86 per cent. The manufactured products of the City of Montreal represented 57.4 per cent of the total for the province.

Table 6. Principal Statistics of 36 Cities and Towns in order of value of production, 1924.

City or Town	Establishment	Capital	Employees	Salaries and Wages	Cost of Materials	Value of Products
	No.	\$	No.	\$	\$	\$
Montreal	1,560	469,354,640	86,648	94,725,516	224,134,382	444,852,084
Quebec	224	42,168,804	8,795	7,798,341	12,565,194	29,362,009
Three Rivers	45	50,319,218	5,365	5,524,074	12,052,500	28,903,467
Shawinigan Falls	19	41,435,414	2,566	3,266,978	7,231,065	21,205,310
Valleyfield	19	10,423,820	2,706	1,613,604	3,913,786	11,169,992
Sharnbrooks	65	20,156,462	3,243	3,143,729	5,242,781	10,881,569
Grand Marc	10	55,823,235	1,277	2,219,526	2,916,700	10,444,949
Lachine	22	14,783,060	2,279	2,788,494	3,821,347	10,152,330
Hull	39	15,638,376	2,590	2,262,534	5,262,343	10,056,907
Granby	25	8,390,884	2,348	1,902,028	3,090,279	8,717,270
St. Hyacinthe	48	8,315,516	2,679	1,742,476	4,391,159	7,913,440
Magog	16	6,134,994	1,246	783,309	5,950,783	7,490,754
Kanogami	3	14,809,445	1,175	1,662,511	2,777,852	7,396,127
St. Jean	20	5,800,444	1,997	1,829,130	2,733,443	5,574,864
East Angus	4	16,478,402	808	1,073,567	2,606,469	4,936,246
Beloeil	7	4,560,006	274	363,976	3,465,297	4,762,152
St. Jerome	25	4,418,651	1,464	1,154,205	1,840,304	4,718,545
Drummondville	14	6,977,534	1,185	851,209	2,773,402	4,047,804
La Tuque	7	8,085,037	601	916,833	1,647,473	3,892,666
Victoriaville	19	3,380,808	1,001	761,046	1,067,413	3,189,502
Buckingham	14	2,485,745	430	414,069	1,188,565	2,559,971
Joliette	29	1,652,768	638	416,811	1,055,768	2,072,864
Sorel	17	2,686,310	1,003	662,320	710,470	1,729,708
Coaticook	23	1,994,562	587	389,099	1,031,552	1,726,122
Windsor	5	2,134,964	422	499,007	712,824	1,715,367
Verdun	6	1,383,041	541	418,184	988,268	1,635,199
Beauharnois	8	2,451,602	380	408,953	673,941	1,568,838
Jonquias	8	1,724,783	253	312,891	589,698	1,475,000
Barthier	8	3,598,262	351	280,632	576,458	1,410,661
Mariville	9	1,035,859	298	329,432	930,481	1,317,331
Cowansville	11	1,333,420	413	370,830	502,609	1,219,328
Chicoutimi	16	9,460,175	421	387,488	474,810	1,193,193
Bromptonville	3	362,072	261	231,102	730,628	1,181,560
Leuzon	5	3,650,859	325	403,535	198,754	1,173,004
Rock Island	17	2,073,233	341	317,323	504,934	1,052,223
St. Rami	11	548,098	129	80,804	733,220	1,045,229

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