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REPORT
on the
MANUFACTURING STATISTICS
of the
PROVINCE OF QUEBEC
1925

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

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DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

Dominion Statistician: R.E. Coats, B.A., F.S.S. (Hon.), F.R.S.C.
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MANUFACTURES OF QUEBEC

1925

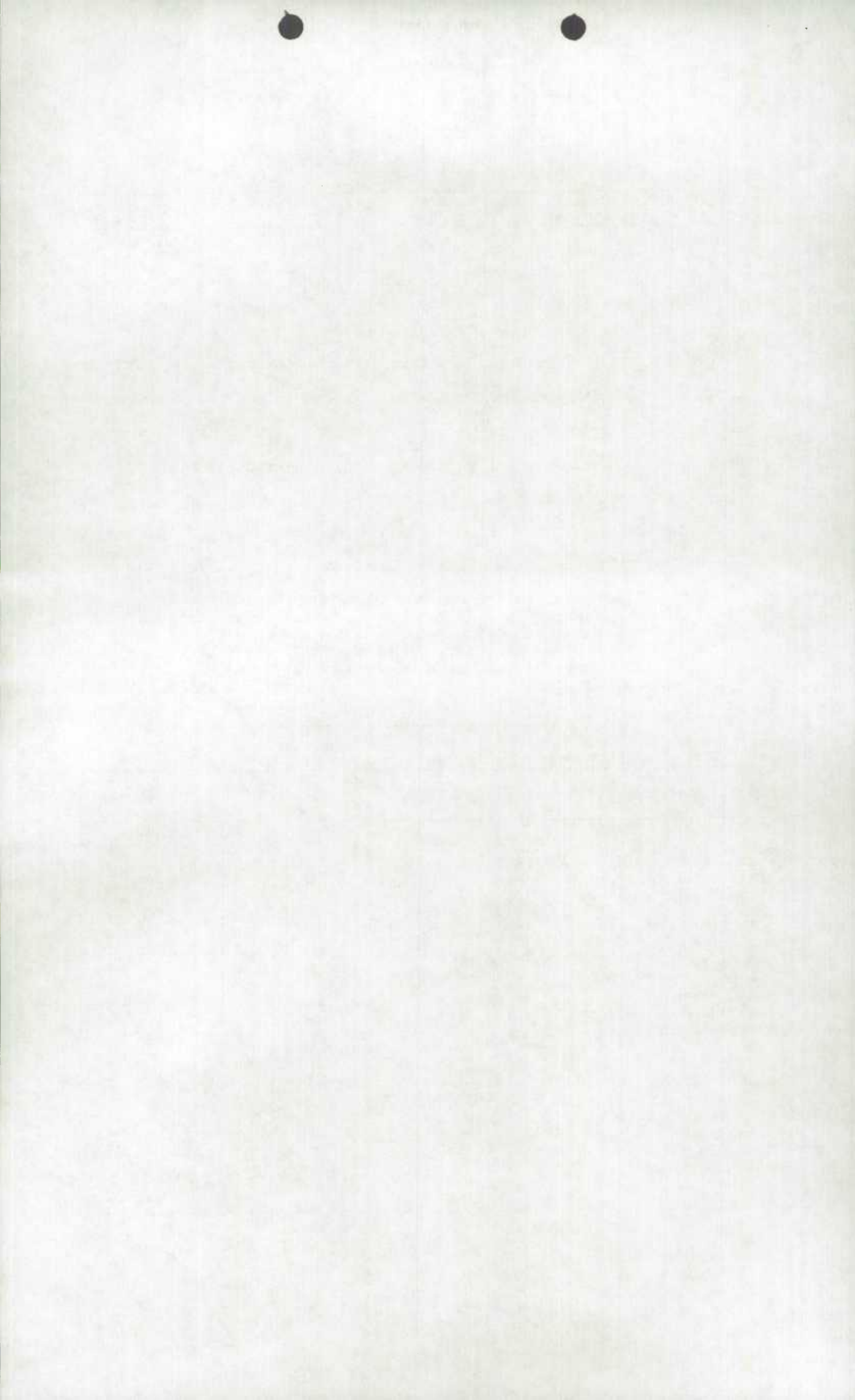
Ottawa, September 27th, 1927. A report on the manufacturing industries of the Province of Quebec is herewith presented for the calendar year 1925. A comparison of the principal industrial statistics for the years 1924 and 1925 is given in the summary table following and also the increase or decrease 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, 1925.
- Table 2. Principal statistics by groups of industries, 1924 and 1925.
- Table 3. Capital invested by groups of industries, 1925.
- Table 4. Fuel consumption by groups of industries, 1925.
- Table 5. Power installation by groups of industries, 1925.
- Table 6. Principal statistics of the cities and towns of the Province in order of value of production, 1925.

Principal Statistics, Province of Quebec, compared 1924 and 1925.

Principal Statistics		1924	1925	Increase / Decrease -
Establishments reporting	No.	6,847	6,995	/ 148
Capital invested	\$	1,044,113,969	1,136,033,133	/ 91,919,164
Employees on salaries -				
Male	No.	16,743	16,836	/ 93
Female	No.	4,139	4,068	- 71
Total salaries	\$	38,146,425	39,349,016	/ 1,202,591
Employees on wages -				
Male	No.	101,272	106,199	/ 4,927
Female	No.	39,498	41,142	/ 1,644
Total wages	\$	124,232,659	130,337,039	/ 6,104,180
Outside piece workers -				
Male	No.	235	729	/ 494
Female	No.	794	747	- 47
Total amount paid	\$	245,573	351,969	/ 106,396
Cost of fuel	\$	16,039,367	15,325,267	- 763,500
Primary Power Equipment	H.P.	1,827,307	1,835,901	/ 58,594
Cost of materials	\$	335,880,326	412,460,003	/ 26,579,177
Gross value of products	\$	776,232,244	820,565,757	/ 44,331,513
Net value of products	\$	390,351,418	406,103,754	/ 17,752,336



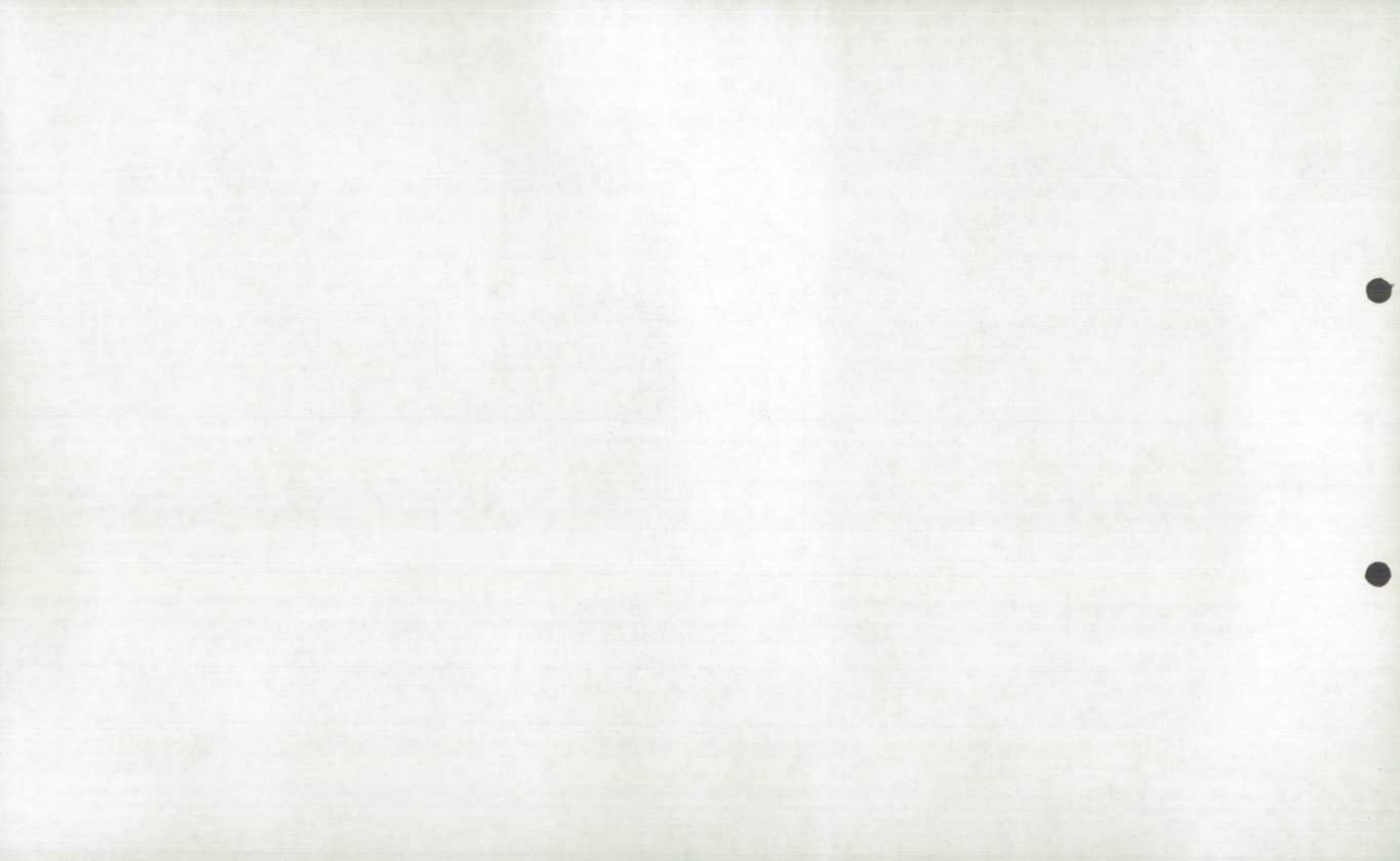
MANUFACTURES OF QUEBEC, 1925

Forty Leading Industries of Quebec

The principal statistics of the forty leading industries of the province of Quebec are presented in Table 1, for the calendar year 1925. The leading industry of Quebec in 1925 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 80.7 per cent of the total number of establishments reported for the province whilst capital investment was 85.7 per cent, employees 82.5 per cent, salaries and wages 83.5 per cent, cost of materials 80.1 per cent and value of production 82.0 per cent.

Table 1. Forty Leading Industries of the Province of Quebec, 1925.

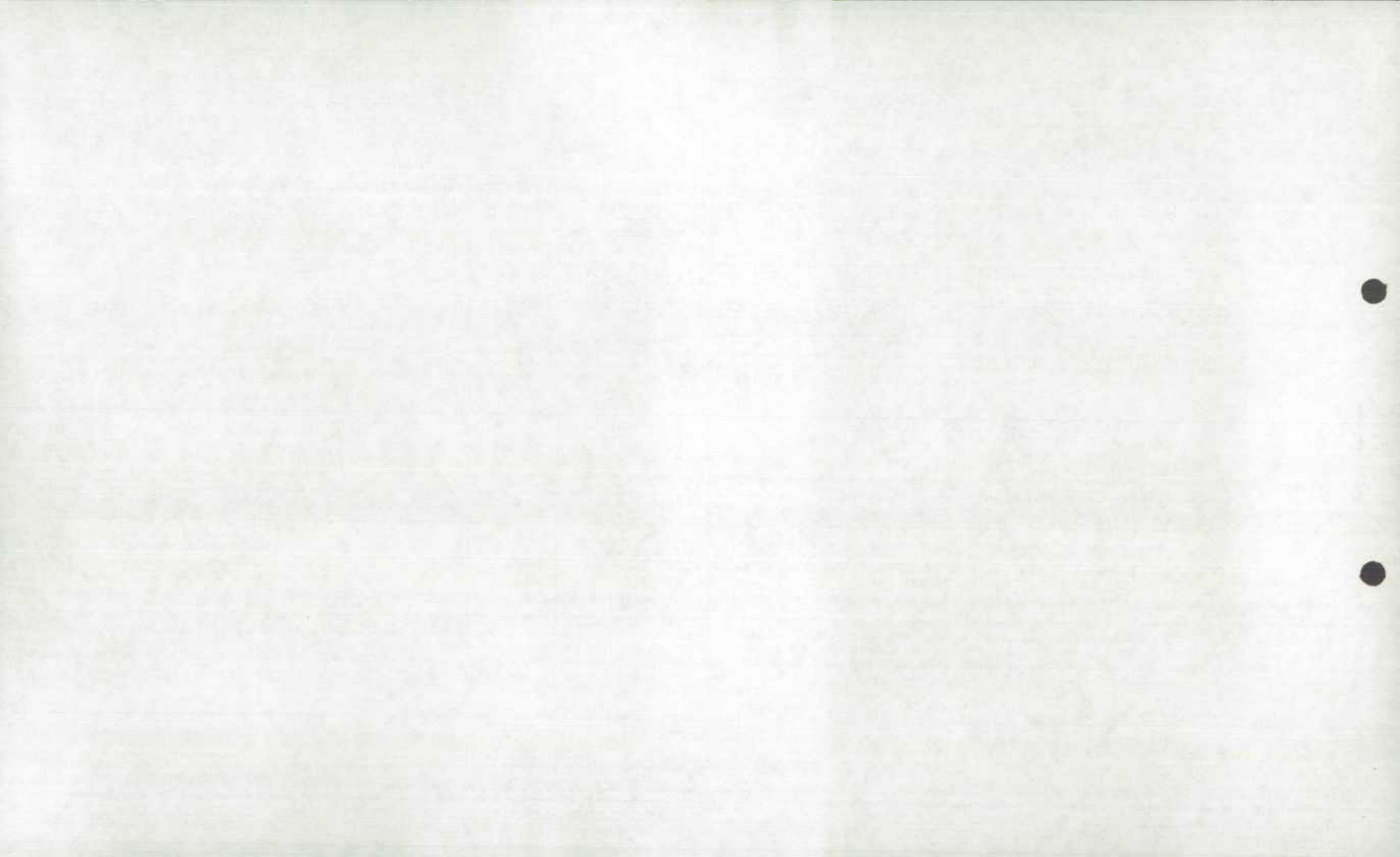
Industries	Estab- lish- ments	Capital	Employees	Salaries and Wages	Cost of Materials	Value of Products
	No.	\$	No.	\$	\$	\$
Pulp and paper	50	227,031,019	13,752	17,736,616	36,457,756	93,911,109
Cotton yarn and cloth	16	59,361,372	13,796	8,915,119	32,694,774	51,126,834
Cigars and cigarettes	46	28,411,777	5,140	4,640,637	13,226,623	39,406,058
Flour and grist mill products	392	11,260,728	995	1,171,623	28,300,232	32,250,490
Butter and cheese	1,599	8,095,199	2,161	1,510,891	26,026,053	30,658,717
Electric light and power	162	225,333,339	3,235	3,681,905	-	28,129,838
Railway rolling stock	9	35,640,048	9,636	12,781,591	14,331,642	27,816,287
Boots and shoes, leather	112	18,157,824	8,456	8,127,450	12,340,698	23,962,708
Slaughtering and meatpacking	20	8,321,688	1,771	2,116,818	19,000,276	23,385,450
Clothing, men's factory	112	15,981,021	6,848	6,648,724	12,621,405	23,218,979
Sawmills	984	37,548,860	6,063	4,572,383	14,724,377	22,802,029
Electrical apparatus and supplies	19	21,333,492	5,104	6,443,677	8,007,849	18,568,118
Bread and other bakery products	740	10,962,216	3,852	4,010,426	9,106,802	17,776,097
Breweries	9	20,705,026	1,670	2,016,824	6,450,449	17,461,266
Clothing, women's factory	172	7,780,757	4,379	4,184,711	9,818,713	16,619,894
Castings and forgings	67	20,967,600	3,749	4,294,256	5,385,356	15,569,672
Rubber goods (including footwear)	10	10,630,521	3,897	3,253,310	5,586,509	15,384,586
Tobacco, chewing, smoking and snuff	28	8,919,990	1,899	1,664,770	5,608,463	13,451,738
Printing and publishing	55	12,115,208	3,646	4,480,452	3,578,481	12,771,011
Machinery	25	17,516,138	3,267	4,213,980	4,442,057	10,469,144
Furnishing goods (men's)	62	8,138,084	3,645	2,187,462	5,270,424	9,747,050
Hosiery and knit goods	35	9,412,718	3,041	2,293,938	5,427,519	9,311,627



MANUFACTURES OF QUEBEC, 1925
Forty leading industries of Canada - Concluded

Industries	Estab- lish- ments	Capital	Employees	Salaries and Wages	Cost of Materials	Value of Products
	No.	¢	No.	¢	¢	¢
Paints and varnishes	17	11,856,253	1,073	1,329,513	5,402,905	9,217,135
Biscuits, confectionery and chewing gum	46	8,078,459	2,911	2,174,106	5,164,207	9,197,134
Explosives, ammunition, fireworks and matches	7	12,076,729	1,628	1,488,844	4,919,277	9,059,065
Petroleum products	4	9,677,552	676	979,712	6,710,109	8,667,838
Planing mills, sash and door factories	284	10,812,583	2,464	2,219,404	4,545,112	8,380,570
Printing and bookbinding	209	8,068,276	2,644	3,120,775	2,369,070	7,895,105
Sheet metal products	16	7,462,734	1,677	1,798,736	3,666,137	6,961,175
Gas, illuminating and fuel	4	6,999,625	1,124	1,425,271	2,161,354	6,441,871
Fur goods	76	5,815,861	1,224	1,307,179	3,809,738	6,415,263
Shipbuilding and repairs	5	14,894,674	2,162	2,394,291	1,960,657	5,475,585
Hats and caps	54	2,575,207	1,843	1,533,197	2,702,629	5,251,510
Bags, cotton and jute	3	2,138,788	298	278,570	4,602,347	5,149,029
Acids, alkalies, salts and compressed gases	10	8,362,333	608	811,473	1,377,794	4,953,172
Furniture and upholstery	63	4,029,946	1,850	1,850,033	1,684,677	4,748,071
Hardware and tools	23	10,218,338	1,315	1,365,733	1,370,123	4,599,059
Rolled iron, steel products, pig-iron, ferro- alloys, etc.	9	12,550,280	1,189	1,442,960	1,011,769	4,597,849
Dyeing, cleaning and laundry work	72	5,179,593	2,281	1,987,011	742,288	4,366,892
Glass products	10	5,845,085	1,360	1,466,105	1,457,927	4,189,038
Wire and wire goods	9	3,488,705	639	746,222	900,902	4,169,845
Total forty leading industries	5,645	973,755,646	138,968	140,666,683	334,965,480	673,533,908
Grand total all industries	6,995	1,136,033,133	168,245	169,686,055	412,460,003	820,563,757
Percentage of forty industries to total	80.7	85.7	82.5	83.5	80.1	82.0

Note:- Other leading industries of Quebec statistics of which cannot be given because there are fewer than three establishments in each industry are: Sugar Refineries, Aluminium products, Cement and Bridgebuilding.



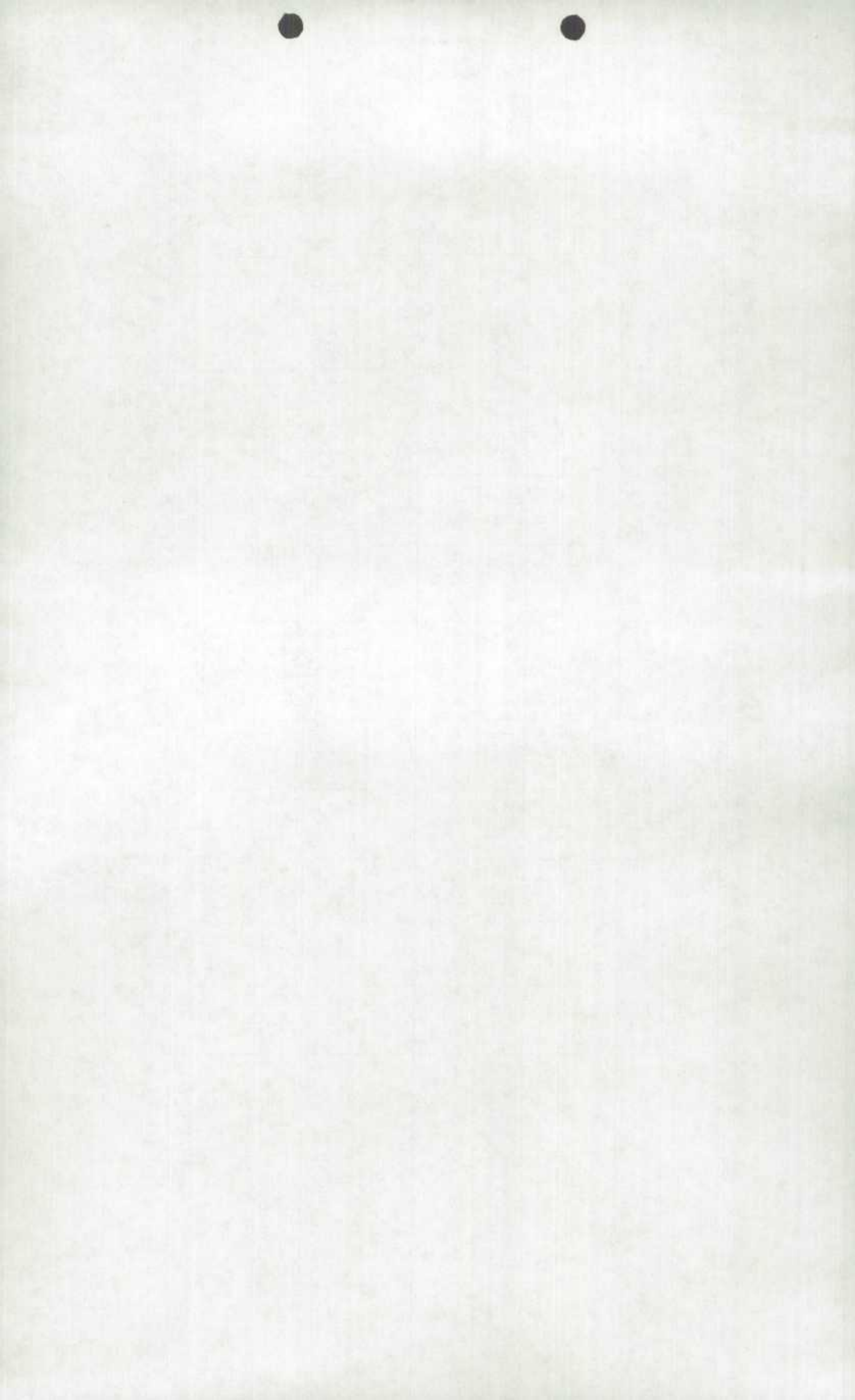
MANUFACTURES OF QUEBEC, 1925

Principal Statistics of Manufactures by Groups of Industries, 1924 and 1925

Table 2 shows the principal statistics of the nine groups into which all industry has been divided. The vegetable products group occupies first place during both years in value of production followed in order by the wood and paper, and textile groups. In employment the textile group in 1925 stood in first place with the wood and paper group second, the vegetable products group third and the iron and steel products group fourth. In capital investment the wood and paper group was first, the miscellaneous group which included the electric power industry was second, and the textile group third.

Table 2. Principal Statistics by Groups of Industries, Province of Quebec, 1924 and 1925.

Groups of Industries	Estab- lish- ments No.	Capital \$	Employees on Salaries		Salaries \$	Employees on Wages		Wages \$	Cost of Materials \$	Value of Products \$
			Male No.	Female No.		Male No.	Female No.			
<u>1924</u>										
Vegetable products	1,278	122,484,548	2,674	480	6,000,988	12,010	7,026	14,601,386	93,984,526	172,173,085
Animal products	2,022	53,911,951	1,498	393	3,713,583	11,276	5,229	12,958,295	60,528,450	91,528,442
Textiles and textile products	538	130,786,296	2,230	890	5,746,494	14,370	20,130	24,089,562	79,363,616	139,053,142
Wood and paper products	2,178	306,317,345	4,197	825	8,278,105	28,792	2,600	30,869,505	69,240,505	160,415,161
Iron and its products	173	108,647,534	1,868	373	4,378,884	17,436	793	20,314,287	34,689,703	75,053,108
Non-ferrous metals and products	61	32,417,279	1,112	362	2,587,497	4,010	1,310	5,770,151	12,446,889	27,138,813
Non-metallic mineral products	213	52,366,646	468	218	1,335,936	5,143	920	5,987,297	10,304,845	31,209,924
Chemicals and allied products	129	44,048,116	833	214	2,278,146	3,057	1,142	3,575,680	18,722,758	36,253,426
Miscellaneous industries	255	193,134,254	1,863	384	3,226,792	5,178	348	6,066,696	6,599,534	43,407,143
Total Quebec Groups	6,847	1,044,113,969	16,743	4,139	38,146,425	101,272	39,498	124,232,859	385,880,826	776,232,244
<u>1925</u>										
Vegetable products	1,363	127,209,794	2,604	500	6,211,000	12,862	7,352	15,667,282	104,544,989	186,985,950
Animal products	2,060	54,081,384	1,451	368	3,486,328	10,889	5,025	12,609,929	67,949,303	96,274,813
Textiles and textile products	594	133,560,460	2,229	895	5,799,345	16,193	21,820	26,184,787	85,476,103	144,620,183
Wood and paper products	2,048	317,981,514	3,736	780	8,663,184	28,181	2,732	30,319,846	70,219,326	166,089,588
Iron and its products	195	111,758,425	2,166	370	5,156,891	18,890	855	22,478,724	32,460,122	77,394,080
Non-ferrous metal products	77	34,459,187	1,233	378	2,893,506	4,579	1,355	6,496,050	13,875,495	32,469,871
Non-metallic mineral products	246	57,745,167	682	164	1,475,768	5,588	585	6,357,482	13,071,091	34,531,531
Chemicals and chemical products	140	43,671,393	903	215	2,411,142	3,018	1,038	3,421,690	16,679,967	34,799,853
Miscellaneous industries	272	255,565,809	1,832	398	3,251,852	5,999	380	6,801,249	8,183,607	47,397,888
Total Quebec Groups	6,995	1,136,033,133	16,836	4,068	39,349,016	106,199	41,142	130,337,039	412,460,003	820,563,757



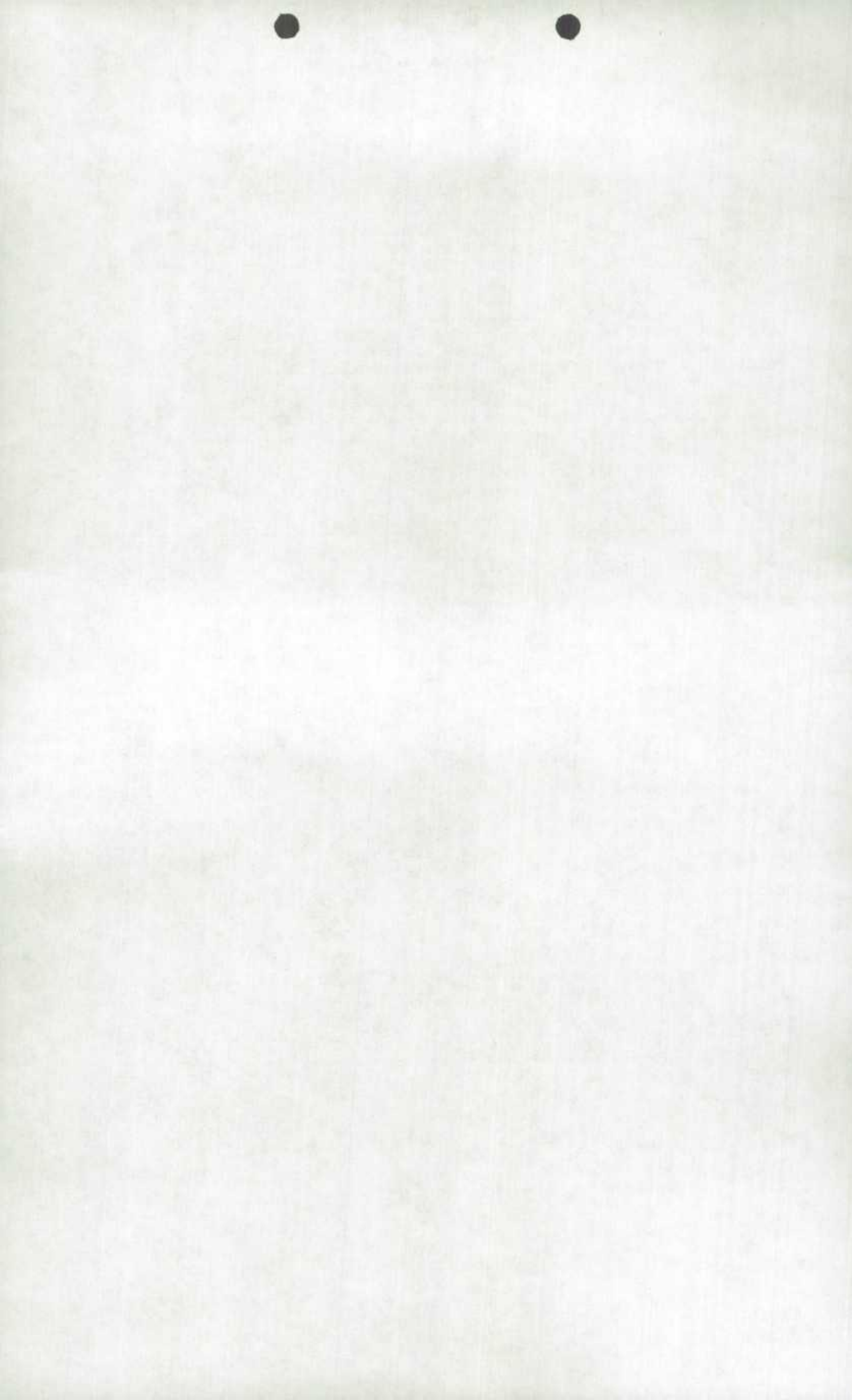
Capital Investment

The statistics of capital investment in the manufacturing industries in the province of Quebec are presented in Table 3, for the calendar year 1925 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 1923 amounted to \$1,009,892,982 advanced to \$1,044,113,969 in 1924 and to \$1,136,033,133 in 1925. The increase in 1923-4 was \$34,214,989 or 3.4 per cent and in 1924-5 the increase was \$91,919,164 or 8.1 per cent.

The wood and paper group stands first in total capital investment with \$317,981,514 or 27.9 per cent with the miscellaneous group which includes electric power plants in second place with \$255,565,809 or 22.5 per cent. Textiles and textile products stand third, vegetable products fourth and iron and its products fifth followed in order by non-metallic mineral products, animal products, chemicals and allied products and non-ferrous metal products. The average capital investment per establishment for the past four 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; in 1924 it had increased to \$152,492 an increase over 1923 of \$11,089 or 7.84 per cent; in 1925 it had further increased to \$162,407 an increase of \$9,915 per establishment or 6.5 per cent.

Table 3. Capital invested by Groups of Industries in Quebec, 1925.

Groups of Industries	Fixed Capital	Working Capital		Total Capital
	Land, buildings machinery and tools	Materials and stocks on hand, fuel and miscellaneous supplies	Cash, trading and operating accounts and bills receivable	
	\$	\$	\$	\$
Vegetable products	65,806,366	35,505,708	25,897,720	127,209,794
Animal products	27,010,114	15,260,093	11,811,177	54,081,384
Textiles and textile products	69,507,263	33,753,257	30,299,940	133,560,460
Wood and paper products	229,753,164	51,706,454	36,521,896	317,981,514
Iron and its products	66,886,259	23,283,025	21,584,141	111,758,425
Non-ferrous metal products	18,529,162	9,422,568	6,507,457	34,459,187
Non-metallic mineral products	42,940,593	9,587,292	5,217,282	57,745,167
Chemicals and allied products	24,562,860	10,585,713	8,522,820	43,671,393
Miscellaneous industry products	232,379,896	6,264,703	16,921,210	255,565,809
Totals, Quebec	777,375,677	195,573,813	163,283,643	1,136,033,133



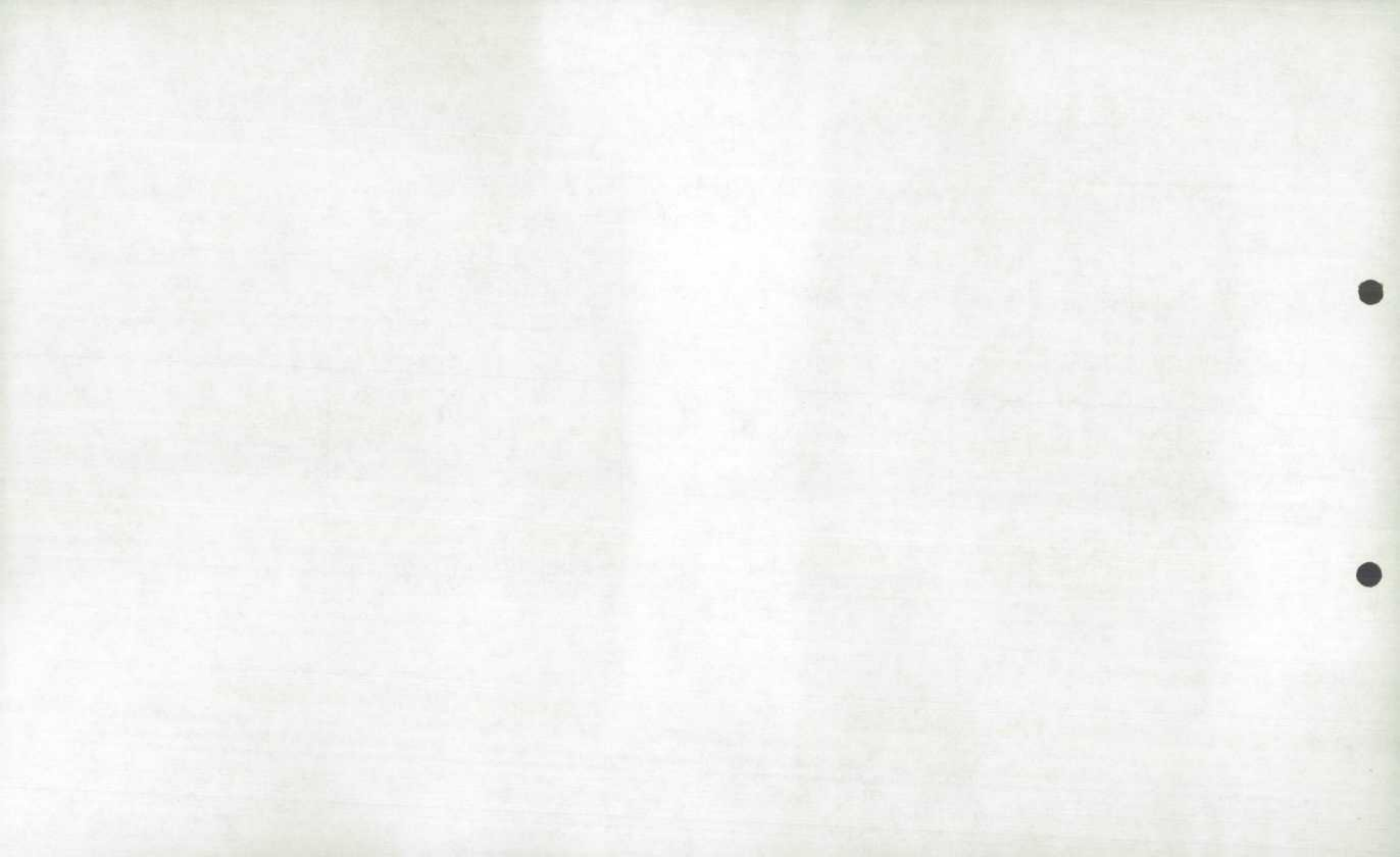
Fuel Consumption

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 1925 are shown in Table 4. The total cost of all fuel amounted to \$15,325,867 and of this total \$10,658,153 or 60.9 per cent represented the cost of coal of all kinds. Oil for fuel stands second in importance with an outlay of \$2,675,833 or 17.4 per cent of the total cost. Wood and coke take third and fourth places with expenditures of \$804,469 and \$478,830 respectively, followed in order by gas (\$363,286), gasoline (\$179,227) and other miscellaneous fuels (\$166,014).

The consumption of fuel by groups shows the wood and paper group with a total expenditure of \$5,660,381 as the largest consumer. Next in order is the non-metallic group with \$3,157,683, the vegetable products group with \$1,906,978 and the iron and steel group with \$1,678,851.

Table 4. Fuel Consumption by Groups of Industries, 1925.

Industrial Groups	Bituminous Coal	Anthracite Coal	Lignite Coal	Coke	Gasoline	Oil	Wood	Gas	Other Fuel	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Vegetable products	900,573	147,659	6,100	80,449	44,604	359,982	235,950	120,758	4,903	1,906,978
Animal products	236,818	46,097	2,034	5,461	9,086	13,353	330,600	3,449	15,082	661,980
Textiles and textile products	1,014,453	127,786	1,488	17,665	31,339	31,402	9,763	17,190	11,823	1,262,909
Wood and paper	3,925,851	844,501	1,565	5,858	32,675	652,993	99,078	31,098	66,762	5,660,381
Iron and steel products	931,208	103,137	63	50,548	25,151	464,081	17,098	39,041	48,224	1,678,551
Non-ferrous metal products	153,674	38,039	-	34,033	4,275	52,349	1,458	27,953	369	312,150
Non-metallic mineral products	1,585,860	45,733	394	234,713	17,816	1,066,765	104,968	96,195	5,239	3,157,683
Chemicals and allied products	319,137	76,880	39	42,190	6,410	20,817	2,050	15,384	5,664	488,571
Miscellaneous industry products	141,641	7,428	-	7,963	7,871	14,091	3,504	6,218	7,948	196,664
TOTAL	9,209,215	1,437,260	11,683	478,880	179,227	2,675,833	804,469	363,286	166,014	15,325,867



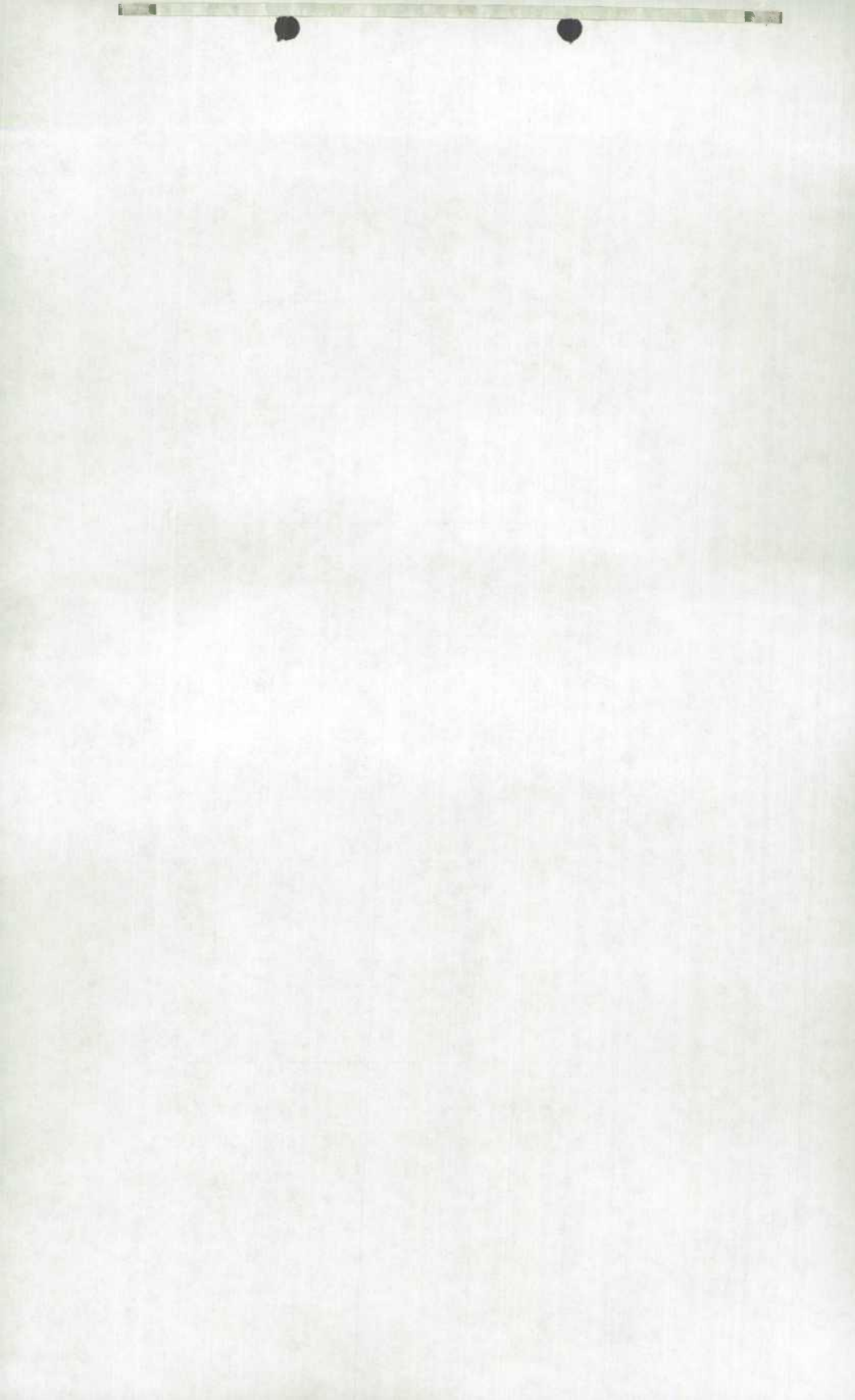
Power Equipment in Industries of the Province of Quebec

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 1925 in Table 5. Power developed by steam increased by 2,076 h.p., by water 454,780 h.p. and internal combustion engines by 26 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 1925 there was an increase in the first class of 105,736 h.p. or 22.4 per cent as compared with the preceding year and in the second class the increase was 2,167 h.p. or 1.5 per cent. The total available horse power for manufacturing purposes in 1925 was 2,345,286, an increase over 1924 of 562,067 h.p. or 31.5 per cent. The cost of electricity purchased during 1925 for lighting, heating and power amounted to \$13,733,919.

Table 5. Power Equipment in the Province of Quebec, 1925.

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 purchased power h.p.		
Vegetable products	11,794	1,531	15,065	28,390	33,082	5,895	38,977	61,472
Animal products	2,853	1,045	201	4,099	11,443	99	11,542	15,542
Textiles and textile products	8,809	42	15,946	24,797	38,709	11,696	50,405	63,506
Wood and paper products	91,024	4,504	196,173	291,701	267,255	106,865	374,120	558,956
Iron and steel products	16,978	992	1,030	19,000	61,379	6,420	67,799	80,379
Non-ferrous metal products	6,025	-	51,150	57,175	4,507	8,763	13,270	61,682
Non-metallic mineral products	5,423	259	4	5,686	32,483	202	32,685	38,169
Chemicals and allied products	3,731	34	6,380	10,145	10,527	1,688	12,215	20,672
Miscellaneous industry products	33,666	272	1,410,970	1,444,908	13,061	-	13,061	1,444,908 1/
TOTAL	180,303	8,679	1,696,919	1,885,901	472,446	141,628	614,074	2,345,286 1/

1/ Exclusive of purchased power in the miscellaneous industry group totalling 13,061 h.p.



MANUFACTURES OF QUEBEC, 1925

Principal Statistics of Cities and Towns of Quebec, 1925.

Table 6 shows the principal industrial statistics for 38 cities and towns in the province whose production exceeded one million dollars in 1925. The total gross value of production of the 38 urban centres amounted to \$683,189,289 in a total for the entire province of \$820,563,757, representing approximately 83 per cent. The manufactured products of the City of Montreal represented 56.09 per cent of the total for the province.

Table 6. Principal Statistics of 38 Cities and Towns in order of value of production, 1925.

City or Town	Estab- lish- ment	Capital	Em- p- loyees	Salaries and Wages	Cost of Materials	Value of Products
	No.		\$	No.	\$	\$
Montreal	1,661	517,209,355	90,584	98,441,694	233,287,050	460,252,357
Three Rivers	44	55,781,869	5,628	5,670,467	13,740,304	32,734,025
Quebec	186	22,727,190	7,211	5,797,071	11,791,517	22,856,514
Shawinigan Falls	18	51,943,757	2,512	3,220,515	7,986,773	22,155,879
Sherbrooke	70	19,194,927	3,656	3,475,949	6,064,507	12,162,114
Hull	36	13,633,808	2,136	2,194,565	5,741,130	10,767,244
Valleyfield	22	10,508,528	2,778	2,151,589	3,944,271	10,275,019
Grand'mère	11	53,514,062	1,394	2,014,736	2,902,453	9,851,374
Lachine	24	14,659,068	1,902	2,820,709	4,902,376	9,727,809
Granby	28	8,698,575	2,207	1,890,162	3,789,907	8,368,742
Magog	15	5,987,107	1,352	844,784	5,687,167	7,135,822
St. Hyacinthe	46	8,112,854	2,225	1,569,670	3,978,410	7,102,470
St. John	25	31,055,581	2,229	2,227,455	3,187,936	6,516,498
St. Jerome	25	4,539,793	1,527	1,245,354	2,025,877	5,349,254
East Angus	5	16,231,190	764	969,594	2,500,926	5,194,489
Donnacoona	3	9,659,316	501	845,293	1,499,261	4,666,530
Drummondville	18	7,674,189	1,280	1,029,267	3,009,194	4,645,394
La Tuque	8	8,021,448	581	874,022	2,053,444	4,435,374
Beloeil	7	3,964,109	241	301,072	2,659,415	4,356,168
Victoriaville	24	3,668,214	983	675,784	1,248,210	3,501,413
Chicoutimi	15	10,541,859	606	571,291	831,985	2,835,426
Port Alfred	3	8,154,531	404	480,323	1,072,722	2,578,735
Joliette	35	2,264,554	654	433,996	1,330,063	2,311,042
Berthier	8	3,654,684	417	352,913	589,521	2,093,348
Sorel	16	2,661,719	1,197	977,576	745,264	2,037,790
Buckingham	14	3,035,357	389	417,585	904,854	2,007,105
Windsor	6	2,695,856	490	594,354	860,130	1,992,500
Beauharnois	8	3,331,114	410	373,394	707,531	1,834,094
Coaticook	25	1,852,694	625	403,635	1,049,473	1,720,532
Chandler	3	3,728,351	351	357,495	745,354	1,623,720
Lauzon	5	3,927,696	380	438,031	466,233	1,597,300
Jonquiere	10	1,695,252	254	319,241	620,655	1,500,289
Cowansville	11	1,452,517	471	390,430	601,729	1,278,500
Marieville	10	1,009,945	318	312,462	706,159	1,215,639
Verdun	10	784,891	758	363,754	651,845	1,192,725
Bromptonville	3	426,099	275	232,708	603,024	1,184,142
Longueuil	7	2,422,157	346	518,911	144,258	1,086,655
Rock Island	17	2,035,990	352	303,697	468,058	1,075,260
Total, 38 leading Cities and Towns	2,482	922,460,206	140,388	146,101,548	335,499,016	683,189,289

Note: The towns of Kenogami, Montreal East and Foster with a total production of \$19,395,491 are not included in the totals for the province having less than three establishments reporting.

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