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ANNUAL INDUSTRY REPORT

IRON AND STEEL AND THEIR PRODUCTS GROUP

THE MACHINE SHOPS INDUSTRY, 1941

The Machine Shops Industry includes all independent machine shops which are occupied chiefly or solely in custom machining or repair work, and which have gross yearly income in excess of \$5,000 each. Small shops which do less than \$5,000 worth of business each in a year are not included, nor are the shops which are operated in connection with factories, mines, paper mills etc.; the former are included in the Census of Merchandising and Services, and the latter are covered by the general reports submitted by concerns in these industries. Machine shops which make a regular line of products for sale are classed as manufacturing plants and included in the appropriate industries.

A total of 238 establishments were included in this industry in 1941, there being 94 in Ontario, 48 in Quebec, 36 in British Columbia, 19 in Alberta, 14 in Nova Scotia, 12 in Manitoba, 9 in Saskatchewan, 5 in New Brunswick and 1 in Prince Edward Island.

An average of 2,926 workers were employed in these shops in 1941 and the value of work done amounted to \$10,077,765.

This industry was not included in the Census of Manufactures prior to 1941.

Table 1 - PRINCIPAL STATISTICS, BY PROVINCES, 1940 and 1941

Province	Number of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross value of work done
		\$		\$	\$	\$	\$
<u>1940</u>							
Prince Edward Island .....	1)						
Nova Scotia ....	10)	349,479	141	204,042	8,963	135,425	491,982
New Brunswick ..	4	138,150	56	66,245	4,026	66,613	211,051
Quebec .....	45	1,579,995	549	691,947	33,507	305,845	1,451,584
Ontario .....	81	1,733,196	674	832,779	38,402	433,334	1,714,391
Manitoba .....	11	257,564	82	104,401	5,719	63,733	214,659
Saskatchewan ...	8	112,539	37	39,449	4,353	25,060	97,802
Alberta .....	20	526,365	167	194,613	12,886	127,603	446,223
British Columbia	26	564,511	191	272,251	11,571	222,171	621,068
CANADA .....	206	5,261,799	1,897	2,405,727	119,427	1,379,784	5,248,760

<u>1941</u>							
Prince Edward Island .....	1)						
Nova Scotia ....	14)	590,778	305	458,961	18,932	312,121	1,039,457
New Brunswick ..	5	204,771	99	162,503	6,708	140,377	331,649
Quebec .....	48	2,466,035	997	1,611,073	52,514	724,463	3,624,295
Ontario .....	94	2,428,781	918	1,267,040	54,350	684,013	2,858,647
Manitoba .....	12	377,533	122	180,932	7,617	61,156	558,307
Saskatchewan ...	9	142,757	42	44,127	4,796	21,453	109,838
Alberta .....	19	531,151	158	231,272	19,293	177,756	587,019
British Columbia	36	820,274	285	424,659	17,512	343,337	968,553
CANADA .....	238	7,612,080	2,926	4,380,567	181,722	2,464,676	10,077,765

Table 2 - CAPITAL EMPLOYED, BY PROVINCES, 1940 and 1941

Province	Present value of lands, buildings, machinery, tools and other equipment	Inventory value of materials, supplies and finished products on hand and stocks in process	Operating capital (cash, bills and accounts receivable, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<u>1940</u>				
Prince Edward Island .....				
Nova Scotia ....	114,841	32,457	202,181	349,479
New Brunswick ..	61,450	20,200	56,500	138,150
Quebec .....	940,575	177,004	462,416	1,579,995
Ontario .....	1,137,931	239,642	355,623	1,733,196
Manitoba .....	145,128	40,731	71,705	257,564
Saskatchewan ...	86,172	8,934	17,433	112,539
Alberta .....	373,077	69,767	83,521	526,365
British Columbia	346,769	61,369	156,373	564,511
CANADA ....	3,205,943	650,104	1,405,752	5,261,799



Table 2 - CAPITAL EMPLOYED, BY PROVINCES, 1940 and 1941 (Concluded)

Province	Present value of lands, buildings, machinery, tools and other equip- ment	Inventory value of materials, sup- plies and finished products on hand and stocks in process	Operating cap- ital (cash, bills and accounts re- ceivable, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<u>1 9 4 1</u>				
Prince Edward Island .....				
Nova Scotia .....	279,517	43,075	268,186	590,778
New Brunswick ..	122,998	25,888	55,885	204,771
Quebec .....	1,344,251	280,691	841,093	2,466,035
Ontario .....	1,556,755	260,913	611,113	2,428,781
Manitoba .....	210,687	60,913	105,933	377,533
Saskatchewan ...	96,282	10,070	36,405	142,757
Alberta .....	407,114	68,608	105,429	581,151
British Columbia	511,814	103,896	204,564	820,274
CANADA .....	4,529,418	854,054	2,228,608	7,612,080

Table 3 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1940 and 1941

TABLE 5 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1940 and 1941								
Province	Average Number of Employees					Salaries	Wages	TOTAL
	On Salaries		On Wages		TOTAL			SALARIES and WAGES
	Male	Female	Male	Female				
						\$	\$	\$
<u>1 9 4 0</u>								
Prince Edward Island .....	13	6	122	...	141	30,850	173,192	204,042
Nova Scotia .....	6	3	46	1	56	12,269	53,976	66,245
New Brunswick ..	126	16	406	1	549	214,336	477,611	691,947
Quebec .....	121	25	525	3	674	228,747	604,032	832,779
Ontario .....	15	2	65	...	82	33,840	70,561	104,401
Manitoba .....	8	2	25	2	37	13,220	26,229	39,449
Saskatchewan ...	34	2	130	1	167	56,936	137,677	194,613
Alberta .....	49	11	131	...	191	94,453	177,798	272,251
British Columbia								
CANADA .....	372	67	1,450	8	1,897	684,651	1,721,076	2,405,727
<u>1 9 4 1</u>								
Prince Edward Island .....	23	9	271	2	305	52,151	406,810	458,961
Nova Scotia .....	10	4	84	1	99	24,201	138,302	162,503
New Brunswick ..	182	29	778	8	997	395,324	1,215,749	1,611,073
Quebec .....	139	39	713	27	918	295,572	971,468	1,267,040
Ontario .....	30	5	86	1	122	51,938	128,994	180,932
Manitoba .....	11	1	28	2	42	17,687	26,440	44,127
Saskatchewan ...	28	3	127	...	158	57,542	173,730	231,272
Alberta .....	63	11	210	1	285	125,988	298,671	424,659
British Columbia								
CANADA .....	486	101	2,297	42	2,926	1,020,403	3,360,164	4,380,567

Table 4 - WAGE-EARNERS, BY MONTHS, 1940 and 1941

Month	1 9 4 0			1 9 4 1		
	Male	Female	TOTAL	Male	Female	TOTAL
January .....	1,225	7	1,232	1,814	13	1,827
February .....	1,257	6	1,263	1,946	16	1,962
March .....	1,234	6	1,240	2,041	17	2,058
April .....	1,279	6	1,285	2,057	23	2,080
May .....	1,295	6	1,301	2,220	34	2,254
June .....	1,331	6	1,337	2,306	35	2,341
July .....	1,546	6	1,552	2,384	44	2,428
August .....	1,627	6	1,633	2,520	44	2,564
September .....	1,614	7	1,621	2,598	54	2,652
October .....	1,646	7	1,653	2,554	70	2,624
November .....	1,766	7	1,773	2,672	66	2,738
December .....	1,662	6	1,668	2,610	69	2,679
AVERAGE .....	1,457	6	1,463	2,297	42	2,339

Table 5 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1940 and 1941 (In one week of month of highest employment; overtime included)

Hours worked per week	Number of wage-earners		Hours worked per week	Number of wage-earners	
	1940	1941		1940	1941
30 hours or less ....	151	228	51-54 hours .....	276	496
31-43 hours .....	111	135	55 hours .....	64	121
44 hours .....	279	208	56-64 hours .....	326	695
45-47 hours .....	129	178	65 hours and over ...	365	775
48 hours .....	283	236	Total .....	2,139	3,247
49-50 hours .....	155	175	Total wages paid in week .....	\$ 56,217	108,174

Table 6 - FUEL AND ELECTRICITY USED, 1940 and 1941

Kind	Unit of measure	1 9 4 0		1 9 4 1	
		Quantity	Value	Quantity	Value
			\$		\$
Bituminous coal - Canadian	ton	1,442	10,045	2,223	17,520
Imported	ton	480	4,127	553	5,677
Anthracite coal .....	ton	549	6,317	592	6,873
Lignite coal .....	ton	126	666	73	317
Coke .....	ton	214	2,393	321	3,852
Gasoline .....	Imp.gal.	79,714	19,533	134,130	47,032
Kerosene .....	Imp.gal.	1,244	300	1,836	361
Fuel oil .....	Imp.gal.	24,960	2,170	27,886	2,491
Wood .....	cord	327	2,012	518	3,780
Gas - Manufactured .....	M cu.ft.	2,216	2,492	6,014	3,766
Natural .....	M cu.ft.	7,076	2,913	8,733	3,599
Other fuel .....	...	...	193	...	...
Electricity purchased ....	K.W.H.	2,711,271	66,266	3,390,268	86,454
TOTAL .....	...	...	119,427	...	181,722

Table 7 - POWER EQUIPMENT, 1940 and 1941

	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
<u>1 9 4 0</u>				
Steam engines and steam turbines	1	15	...	...
Diesel engines .....	4	106	...	...
Gasoline, gas and oil engines ..	17	509	2	30
Total Primary Power Equipment	22	630	2	30
Electric motors run by purchased power .....	831	3,114	23	153
TOTAL .....	853	3,744	25	183
Stationary boilers .....	9	173	...	...
<u>1 9 4 1</u>				
Steam engines and steam turbines	2	35	1	15
Diesel engines .....	3	61	1	35
Gasoline, gas and oil engines ..	30	1,013	5	95
Total Primary Power Equipment	35	1,109	7	145
Electric motors run by purchased power .....	1,275	4,035	46	167
TOTAL .....	1,310	5,144	53	312
Stationary boilers .....	13	291	1	15



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