

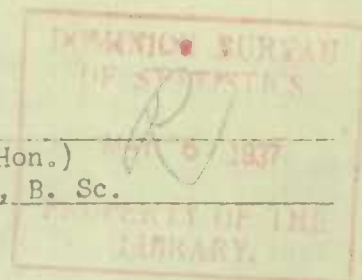
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DEPARTMENT OF TRADE AND COMMERCE  
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ANNUAL INDUSTRY REPORT

IRON AND STEEL AND THEIR PRODUCTS GROUP

THE BRIDGE BUILDING AND STRUCTURAL STEEL WORK INDUSTRY, 1935.

The value of work done by the concerns in the Bridge Building and Structural Steel Work Industry amounted to \$7,597,599 in 1935. This value compared with corresponding figures for earlier years as follows: \$4,700,143 in 1934; \$5,616,430 in 1932; \$7,335,013 in 1932 and \$22,170,215 in 1931.

This industry includes all works which were engaged chiefly in fabricating and erecting steel for bridges, buildings, etc., and in 1935 covered the operations of 18 establishments of which 9 were in Ontario, 4 in Quebec, 2 in British Columbia, 2 in Manitoba and 1 in Alberta.

Capital employed in 1935 totalled \$18,935,273 or one million less than in 1934, but the average number of workers was higher at 2,056 compared with 1,659 and payments in salaries and wages were greater at \$2,742,956 as against \$2,089,552 in 1934. The cost of materials used was given at \$3,901,609 in 1935 compared with \$2,765,535 in 1934.

The principal products in 1935 were: bridges, 2,834 tons at \$335,867; other structural work (buildings, transmission towers, etc.), 39,560 tons at \$4,559,698; plate and tank work, 3,410 tons at \$398,449 and mechanical work, 1,589 tons at \$250,846. Sales of plain material amounted to 26,253 tons at \$1,642,085.

The value of work in process at the end of the year was \$1,815,323 compared with \$604,124 at the end of 1934.

Table 1 - PRINCIPAL STATISTICS OF THE BRIDGE BUILDING AND STRUCTURAL STEEL WORK INDUSTRY, 1930 - 1935.

Years	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
1930 .....	13	28,922,351	4,943	8,686,062	336,392	12,549,435	26,055,733
1931 .....	21	27,469,351	4,421	7,143,544	333,933	9,132,721	22,170,215
1932 .....	18	24,872,219	2,193	3,635,213	240,236	4,109,142	7,385,013
1933 .....	18	22,905,185	1,433	2,002,483	155,721	1,306,451	5,616,430
1934 .....	18	19,947,521	1,659	2,089,552	170,764	2,765,535	4,700,143
1935 .....	18	18,935,273	2,056	2,742,956	131,024	3,901,609	7,597,599

Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1934 and 1935.

Years	No. of plants	Capital employed \$	Average number of employees	Salaries and wages \$	Cost of fuel and electricity at works \$	Cost of materials at works \$	Gross selling value of products at works \$
<b>1934</b>							
Quebec .....	4	5,685,381	632	861,361	89,240	1,020,618	1,429,783
Ontario .....	9	10,562,881	775	864,733	58,735	1,223,395	2,077,549
Manitoba .....	2)						
Alberta .....	1)	3,699,259	252	363,458	22,789	521,522	1,192,811
British Columbia	2)						
CANADA .....	18	19,947,521	1,659	2,089,552	170,764	2,765,535	4,700,143
<b>1935</b>							
Quebec .....	4	4,708,838	708	991,755	76,461	953,841	2,028,152
Ontario .....	9	10,299,684	953	1,225,768	71,137	1,601,574	3,426,721
Manitoba .....	2)						
Alberta .....	1)	3,926,751	395	525,433	33,426	1,346,194	2,142,726
British Columbia	2)						
CANADA .....	18	18,935,273	2,056	2,742,956	181,024	3,901,609	7,597,599

Table 3 - CAPITAL EMPLOYED, BY PROVINCES, 1934 and 1935.

Provinces	Present value of land, buildings, fixtures, machinery, tools and other equipment \$	Inventory value of materials on hand, stocks in process, fuel and supplies on hand \$	Inventory value of finished products on hand \$	Operating capital (cash, bills and accounts receivable, etc.) \$	TOTAL CAPITAL EMPLOYED \$
<b>1934</b>					
Quebec .....	3,134,506	755,935	4,117	1,790,823	5,685,381
Ontario .....	6,442,475	995,598	125,899	2,998,909	10,562,881
Other provinces	2,841,942	567,057	1,119	289,141	3,699,259
CANADA ..	12,418,923	2,318,590	131,135	5,078,873	19,947,521
<b>1935</b>					
Quebec .....	2,879,865	746,294	...	1,032,679	4,708,838
Ontario .....	6,422,416	815,177	139,614	2,922,477	10,299,684
Other provinces	2,978,046	564,515	1,119	383,071	3,926,751
CANADA ..	12,280,327	2,125,986	140,733	4,338,227	18,935,273

Table 4 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1934 and 1935.

AVERAGE NUMBER OF EMPLOYEES								
Provinces	On salaries		On wages		TOTAL	Salaries	Wages	TOTAL SALARIES AND WAGES
	Male	Female	Male	Female				
						\$	\$	\$
<b>1934</b>								
Quebec .....	178	25	429	...	632	449,051	412,310	861,361
Ontario .....	197	27	551	...	775	366,423	498,305	864,733
Other provinces	88	11	153	...	252	177,202	186,256	363,458
CANADA ...	463	63	1,133	...	1,659	992,681	1,096,871	2,089,552
<b>1935</b>								
Quebec .....	224	29	455	...	708	524,800	466,955	991,755
Ontario .....	232	26	695	...	953	490,814	734,954	1,225,768
Other provinces	108	11	276	...	395	207,620	317,813	525,433
CANADA ...	564	66	1,426	...	2,056	1,223,234	1,519,722	2,742,956

Table 5 - WAGE-EARNERS, BY MONTHS, 1934 and 1935.

Months	1	9	3	4	1	9	3	5
	In shops	On erection	TOTAL		In shops	On erection	TOTAL	
January .....	726	241	967		820	224	1,044	
February .....	640	279	919		951	299	1,250	
March .....	610	257	867		1,038	350	1,388	
April .....	662	227	889		989	346	1,335	
May .....	849	266	1,115		1,131	278	1,409	
June .....	992	257	1,249		1,035	411	1,446	
July .....	1,065	239	1,304		1,250	415	1,665	
August .....	1,048	258	1,306		1,241	394	1,635	
September .....	1,039	217	1,256		1,248	365	1,613	
October .....	1,021	345	1,366		1,121	310	1,431	
November .....	919	342	1,261		1,125	377	1,502	
December .....	849	267	1,116		1,116	284	1,400	
AVERAGE .....	867	266	1,133		1,089	337	1,426	

Table 6 - FUEL AND ELECTRICITY USED, 1934 and 1935.

Kinds	Unit of measure	1	9	3	4	1	9	3	5
		Quantity		Cost at works		Quantity		Cost at works	
				\$				\$	
Bituminous coal - Canadian ...	short ton	4,906		31,054		4,555		29,291	
Imported ...	short ton	736		4,554		1,184		7,618	
Anthracite coal - Imported ...	short ton	58		864		59		725	
Coke .....	short ton	269		2,383		548		4,786	
Gasoline .....	Imp. gal.	15,068		3,729		22,351		4,902	
Kerosene .....	Imp. gal.	509		113		546		115	
Fuel oil .....	Imp. gal.	178,800		13,792		180,618		14,342	
Wood .....	cord	...		...		...		...	
Gas - Manufactured .....	M cu. ft.	10,875		6,692		15,391		8,586	
Natural .....	M cu. ft.	5,569		2,399		5,139		1,558	
Electricity purchased .....	K. W. H.	5,427,564		104,859		6,190,407		105,680	
Other fuel .....	xxx	...		325		...		3,421	
TOTAL .....	xxx	...		170,764		...		181,024	

Table 7 - POWER EQUIPMENT, 1934 and 1935.

	1	9	3	4	1	9	3	5
	Number of units		Total rated horse power		Number of units		Total rated horse power	
Steam engines and turbines .....	17		471		18		491	
Gasoline, gas and oil engines .....	20		774		22		834	
Total Primary Equipment .....	37		1,245		40		1,325	
Electric motors run by purchased power .....	1,337		27,321		1,566		26,196	
TOTAL .....	1,724		29,066		1,606		27,521	
Electric motors run by above primary units .....	...		...		83		1,056	
Total Electric Motors .....	1,687		27,821		1,649		27,252	
All boilers .....	71		4,341		71		4,316	



Table 8 - POWER EQUIPMENT SUB-DIVIDED BETWEEN IN USE AND IN RESERVE OR IDLE, 1935.

	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines ...	18	491	...	...
Gasoline, gas and oil engines.	19	759	3	75
Total Primary Equipment ....	37	1,250	3	75
Electric motors run by purchased power .....	1,518	25,008	48	1,138
TOTAL .....	1,555	26,258	51	1,213
Electric motors run by above primary units .....	83	1,056	...	...
Total Electric Motors.	1,601	26,064	48	1,188
All boilers .....	67	3,944	4	372

Table 9 - MATERIALS USED, 1934 and 1935.

Materials	1	9	3	4	1	9	3	5
	Quantity		Cost at		Quantity		Cost at	
	Tons		\$		Tons		\$	
Structural steel -								
Shapes, including channels, beams, columns, angles, joists, tees and zees .....	26,209		1,153,377		36,914		1,700,252	
Plates and sheets .....	15,661		710,655		24,638		1,199,187	
Miscellaneous, including bars, billets, slabs, rounds, squares and sheet piling .....	5,493		271,104		7,622		387,434	
Other materials -								
Electrical apparatus and supplies	...		51,507		...		20,126	
Other complete parts purchased, including engines, boilers, etc.	...		220,317		...		231,815	
Lumber ..... M ft. b.m.	331		15,918		330		11,106	
Other materials .....	...		342,657		...		351,689	
TOTAL .....	...		2,765,535		...		3,901,609	

Table 10 - PRODUCTS MADE, 1934 and 1935.

Products	1	9	3	4	1	9	3	5
	Quantity		Selling value		Quantity		Selling value	
	Tons		\$		Tons		\$	
Bridges .....	3,173		422,715		2,634		335,867	
Structural work (buildings, transmission towers, etc.) .....	20,837		2,057,394		39,560		4,559,698	
Plate and tank work .....	2,379		312,753		3,410		398,449	
Mechanical work, including cranes, trolleys, etc. ....	1,223		310,560		1,589		250,846	
Sales of plain material .....	18,512		1,189,839		26,253		1,642,085	
Custom work and repairs .....	...		99,142		...		110,647	
Other products .....	...		307,740		...		300,007	
TOTAL .....	...		4,700,143		...		7,597,599	
Value of work in process at end of year .....	...		604,124		...		1,815,323	

DIRECTORY OF FIRMS IN THE BRIDGE BUILDING AND STRUCTURAL STEEL WORK INDUSTRY, 1935.

<u>Names of Firms</u>	<u>Location of Plants</u>
Canadian Bridge Company Limited	Walkerville, Ont.
Canadian Structural Steel Works Co. Ltd.	4600 Seventeenth Ave., Rosemount, Montreal, P. Q.
Dominion Bridge Co. Ltd.	Lachine, P. Q., McKay St., Eastview, Ont., 1139 Shaw St. and 289 Sorauren Ave., Toronto, Ont., Dublin Ave., Winnipeg, Man., 803 - 24th Ave. S. E., Calgary, Alta., 275 First Ave. W., Vancouver, B.C.
Disher Steel Construction Co. Ltd.	80 Commissioners St., Toronto, 2, Ont.
Eansor, T. J., & Sons, Limited	300 Pitt St. E., Windsor, Ont.
Eastern Canada Steel & Iron Works Ltd.	Lesage Ave., Quebec, P. Q.
Hamilton Bridge Co. Limited	Depew St. and Caroline St. N., Hamilton, Ont.
London Structural Steel Co. Ltd.	48 Burslem St., London, Ont.
Mackinnon Steel Corporation, Ltd.	Industrial St., Sherbrooke, P.Q.
Sarnia Bridge Co., Ltd.	251 Campbell St., Sarnia, Ont.
Standard Steel Construction Co. Ltd.	Port Robinson, Ont.
Western Bridge Co. Ltd.	195 First Ave. W., Vancouver, B. C.
Winnipeg Bridge Co. Ltd.	153 Aubert St., St. Boniface, Man.

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