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Annual Industry ReportIron and Steel and Their Products GroupTHE BRIDGE BUILDING AND STRUCTURAL STEEL WORK INDUSTRY - 1948

The value of work done by concerns in the Bridge Building and Structural Steel Work Industry amounted to \$66,229,635 in 1948 compared with \$52,559,258 in the previous year, an increase of 26 per cent.

This industry includes all concerns which were occupied chiefly in fabricating or erecting steel for bridges, buildings, etc., and in 1948 covered the operations of 27 plants, of which 14 were located in Ontario, 8 in Quebec, 2 in British Columbia, 2 in Manitoba and 1 in Alberta.

These firms gave employment to a monthly average of 7,407 workers who were paid \$19,165,403 in salaries and wages. Fuel and electricity cost \$847,392 and expenditures for materials for use in manufacturing amounted to \$29,527,341.

The principal products were 15,303 tons of bridges at \$4,099,081; 151,621 tons of other structural work, such as buildings, transmission towers, etc., at \$35,268,093; plate and tank work at \$4,071,207 and mechanical work, including cranes, trolleys, etc., at \$1,568,904. Sales of plain material were worth \$9,986,316.

Table 1 - PRINCIPAL STATISTICS FOR THE BRIDGE BUILDING AND STRUCTURAL STEEL WORK INDUSTRY, 1944-1948

Year	Number of plants	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
			\$	\$	\$	\$
1944	22	8,784	19,409,905	878,640	23,936,307	58,409,746
1945	23	7,057	15,087,130	806,164	18,908,255	46,435,278
1946	25	6,091	12,825,390	639,503	18,896,434	40,122,695
1947	26	7,178	16,132,591	724,861	22,160,375	52,559,258
1948	27	7,407	19,165,403	847,392	29,527,341	66,229,635
Per cent change 1948 from 1947.	..	+3.2	+18.8	+16.9	+33.2	+26.0

Note: Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1947 and 1948

Province	Number of plants	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
			\$	\$	\$	\$
<u>1 9 4 7</u>						
Quebec	8	3,072	7,054,637	328,286	8,574,524	17,117,422
Ontario	13	2,990	6,690,835	293,224	8,512,537	22,197,113
Manitoba	2)					
Alberta	1)	1,116	2,387,119	103,351	5,073,314	13,244,723
British Columbia	2)					
CANADA	26	7,178	16,132,591	724,861	22,160,375	52,559,258

NOTE: This report was prepared in the Mining, Metallurgical and Chemical Section.

Bridge Building

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Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1947 and 1948 (Concluded)

Province	Number of plants	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
			\$	\$	\$	\$
<u>1 9 4 8</u>						
Quebec	8	2,995	8,051,346	355,860	9,840,394	21,050,132
Ontario	14	3,014	7,465,537	346,249	11,475,080	28,339,728
Manitoba	2)					
Alberta	1)	1,398	3,648,520	145,283	8,211,867	16,839,775
British Columbia	2)					
CANADA	27	7,407	19,165,403	847,392	29,527,341	66,229,635

Table 3 - PRODUCTS MADE IN THE BRIDGE BUILDING AND STRUCTURAL STEEL WORK INDUSTRY, 1947 and 1948

Product	<u>1 9 4 7</u>		<u>1 9 4 8</u>	
	Quantity	Selling value at works	Quantity	Selling value at works
	tons	\$	tons	\$
Structural work - Buildings	115,116	22,350,008	123,646	28,777,181
Bridges	8,098	1,955,464	15,303	4,099,081
Transmission towers	14,368	3,156,606	18,339	4,072,416
All other	17,179	4,013,788	9,636	2,418,496
Plate and tank work, including tanks, hoppers, digesters, etc. ....	...	3,269,317	...	4,071,207
Mechanical work, including cranes, trolleys, etc. ....	...	1,467,089	...	1,568,904
Sales of plain material (channels, etc., unfabricated)	78,447	7,895,886	86,310	9,986,316
Custom work and repairs .....	...	2,079,990	...	136,632
Other products (*) .....	...	6,371,110	...	11,099,402
TOTAL PRODUCTS .....	...	52,559,258	...	66,229,635

(*) Includes miscellaneous machinery, boilers, barges, reinforcing steel, etc.

Table 4 - MATERIALS PURCHASED AND USED, AND INVENTORIES AT END OF 1948 IN THE BRIDGE BUILDING AND STRUCTURAL STEEL WORK INDUSTRY

Material	Unit of measure	Stocks on hand January 1, 1948	Purchases 1948	Stocks on hand December 31, 1948	Total Materials Used 1948
<u>Structural Steel -</u>					
Shapes, including channels, beams, columns, angles, joists, tees and sees	ton	75,712	185,737	66,206	195,243
	\$	5,656,088	15,546,263	5,474,661	15,727,690
Plates and sheets	ton	25,039	60,555	18,061	67,533
	\$	1,849,718	5,323,034	1,540,200	5,632,552
Miscellaneous, including bars, billets, slabs, rounds, squares and sheet piling	ton	13,335	35,405	15,526	33,214
	\$	1,139,193	3,121,947	1,428,614	2,832,526

Quantity	Cost at Works
	\$

Other Materials -

Electrical apparatus and supplies	...	553,679
Other complete parts purchased (such as engines, boilers, instruments, castings, etc.) ...	...	1,080,923
Lumber	M bd.ft.	129,781
Other miscellaneous stores .....	...	3,570,190
TOTAL MATERIALS AND SUPPLIES..	...	29,527,341

Table 5 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, IN THE BRIDGE BUILDING AND STRUCTURAL STEEL WORK INDUSTRY, 1947 and 1948

Province	Average Number of Employees					Salaries	Wages	Total Salaries and Wages
	On Salaries		On Wages		Total			
	Male	Female	Male	Female				
<hr/>								
<u>1 9 4 7</u>								
Quebec	512	134	2,416	10	3,072	3,244,456	3,810,181	7,054,637
Ontario	473	117	2,386	14	2,990	1,764,355	4,926,480	6,690,835
Other provinces	237	60	816	3	1,116	825,418	1,561,701	2,387,119
CANADA	1,222	311	5,618	27	7,178	5,834,229	10,298,362	16,132,591
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<u>1 9 4 8</u>								
Quebec	523	135	2,328	9	2,995	2,506,413	5,544,933	8,051,346
Ontario	487	125	2,387	15	3,014	1,934,972	5,530,565	7,465,537
Other provinces	245	50	1,095	8	1,398	968,634	2,679,886	3,648,520
CANADA	1,255	310	5,810	32	7,407	5,410,019	13,755,384	19,165,403

LIST OF FIRMS IN THE BRIDGE BUILDING AND STRUCTURAL STEEL WORK INDUSTRY - 1948

Name of Firm	Location of Plant
<u>Quebec -</u>	
Dominion Structural Steel Limited	6894 Clanranald Ave., Montreal
Dominion Bridge Co. Ltd.	Lachine
MacKinnon Structural Steel Company Limited	Sherbrooke
Eastern Canada Steel & Iron Works Limited	Lesage Ave., Quebec
Lord & Company Ltd.	4700 Iberville St., Montreal
Canadian Structural Steel Works Co. Ltd.	4600 - 17th Ave., Rosemount (Montreal)
Standard Structural Steel Ltd.	6333 St. Lawrence, Montreal
Steel Constructors Limited	2075 Haig Ave., Montreal
<u>Ontario -</u>	
The Canadian Bridge Company Limited	1218 Walker Road, Walkerville
Hamilton Bridge Company Limited	231-233 Bay St. N., Hamilton
Sault Structural Steel Company Limited	Wylde Ave., Sault Ste. Marie
Sarnia Bridge Co. Limited	251 Campbell St., Sarnia
Dominion Bridge Company Limited	1139 Shaw St., Toronto
Dominion Bridge Company Limited	Charlevoix St., Eastview
Disher Steel Construction Co. Limited	80 Commissioners St., Toronto
Standard Steel Construction Co. Division of United Steel Corporation, Ltd.	Port Robinson
Central Bridge Company Limited	300 West St., Trenton
T. J. Eansor & Sons Limited	300 Pitt St. E., Windsor
London Steel Construction Co. Limited	48 Burslem St., London
Standard Iron & Steel Works	3402 Dundas St. W., Toronto
Leeds Bridge and Iron Works Limited	Mill St., Gananoque
Wilson Engineering & Fabricating Co.	87 Jackson St. E., Hamilton
<u>Manitoba -</u>	
Dominion Bridge Company, Limited	Dublin Ave., Winnipeg
Winnipeg Bridge Company Limited	153 Aubert St., St. Boniface
<u>Alberta -</u>	
Dominion Bridge Company Limited	803 - 24th Ave. S.E., Calgary
<u>British Columbia -</u>	
Dominion Bridge Co. Ltd.	275 West First Ave., Vancouver
Western Bridge and Steel Fabricators Ltd.	145 W. 1st Ave., Vancouver



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