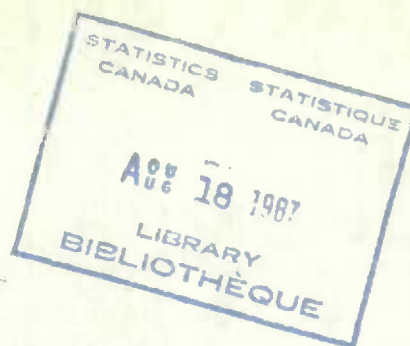


41-207

C.3

DOMINION BUREAU OF STATISTICS — DEPARTMENT OF TRADE AND COMMERCE
CANADA

FEB 18 1952



THE BRIDGE BUILDING AND STRUCTURAL STEEL INDUSTRY, 1950



Published by Authority of the Rt. Hon. C. D. Howe
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section
Industry and Merchandising Division
Dominion Bureau of Statistics
Ottawa

NOTICE

The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada—mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

For the purpose of annual compilation and publication, the manufacturing industries have been classified into major groups, prefaced by two reports of a general nature, as follows:

- I Summary Report on Manufacturing Industries
- II Manufacturing Industries by Geographical Distribution
- III Foods and Beverages
- IV Tobacco and Tobacco Products
- V Rubber Products
- VI Leather Products
- VII Miscellaneous Manufactures
- VIII Textiles
- IX Wood and Paper Products
- X Printing Trades
- XI Operations in the Woods
- XII Iron and Steel Products
- XIII Transportation Equipment
- XIV Non-ferrous Metal Products
- XV Electrical Apparatus and Supplies
- XVI Non-metallic Mineral Products
- XVII Products of Petroleum and Coal
- XVIII Chemicals and Allied Products

The present report belongs in Group XII, Iron and Steel Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A General Review, 25¢.
- B The Agricultural Implements Industry, 25¢.
- C The Boilers and Plate Work Industry, 25¢.
- D The Bridge Building and Structural Steel Industry, 25¢.
- E The Hardware, Tools and Cutlery Industry, 25¢.
- F The Heating and Cooking Apparatus Industry, 25¢.
- G The Machinery Industry, 25¢.
- H The Machine Shops Industry, 25¢.
- I The Iron Castings Industry, 25¢.
- J The Primary Iron and Steel Industry, 35¢.
- K The Sheet Metal Products Industry, 25¢.
- L The Wire and Wire Goods Industry, 25¢.
- M The Miscellaneous Iron and Steel Products Industry, 25¢.

THE BRIDGE BUILDING AND STRUCTURAL STEEL INDUSTRY, 1950

The value of work done by concerns in the Bridge Building and Structural Steel Work Industry amounted to \$82,003,268 in 1950 compared with \$75,692,231 in the previous year, an increase of 8.3 per cent.

This industry includes all concerns which were occupied chiefly in fabricating or erecting steel for bridges, buildings, etc., and in 1950 covered the operations of 33 plants, of which 14 were located in Ontario, 11 in Quebec, 3 in Alberta, 2 in Manitoba, 2 in British Columbia and 1 in Nova Scotia.

These firms gave employment to a total of 7,434 workers who were paid \$22,382,499 in salaries and wages. Fuel and electricity cost \$968,742, and expenditures for materials for use in manufacturing amounted to \$36,659,245.

The principal products were 146,940 tons of buildings at \$37,432,490; 57,429 tons of other structural work, such as bridges, transmission towers, etc., at \$15,249,173; plate and tank work at \$4,038,960 and mechanical work, including cranes, trolleys, etc., at \$1,832,471. Sales of plain material were worth \$11,053,501.

TABLE 1. Principal Statistics for The Bridge Building and Structural Steel Work Industry, 1946-1950

Year	Number of plants	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	Net ¹ value of production
			\$	\$	\$	\$	\$
1946.....	25	6,091	15,825,390	639,503	18,896,434	40,122,695	20,586,758
1947.....	26	7,178	16,132,591	724,861	22,160,375	52,559,258	29,674,022
1948.....	27	7,407	19,165,403	847,392	29,527,341	66,229,635	35,854,902
1949.....	29	7,149	18,576,533	802,391	30,936,308	75,692,231	43,953,532
1950.....	33	7,434	22,382,499	968,742	36,659,245	82,003,268	44,375,281
Per cent change 1950 from 1949	—	+ 4.0	+ 20.5	+ 20.7	+ 18.5	+ 8.3	+ 1.0

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.

1. Gross value less cost of materials, fuel and electricity.

TABLE 2. Principal Statistics, by Provinces, 1949 and 1950

Province	Number of plants	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
			\$	\$	\$	\$
1949						
Quebec.....	9	2,474	6,495,684	313,319	10,135,774	23,856,597
Ontario.....	13	3,198	8,222,580	308,579	13,424,700	33,686,786
Nova Scotia.....	1	1,477	3,858,269	180,493	7,375,834	18,148,848
Manitoba.....	2					
Alberta.....	2					
British Columbia.....	2					
Canada.....	29	7,149	18,576,533	802,391	30,936,308	75,692,231
1950						
Quebec.....	11	2,581	8,074,476	341,667	13,002,327	26,901,867
Ontario.....	14	3,080	9,189,273	401,769	15,249,175	33,521,670
Alberta.....	3	414	1,008,107	28,253	1,321,477	3,017,140
Nova Scotia.....	1	1,359	4,110,643	197,053	7,086,266	18,562,591
Manitoba.....	2					
British Columbia.....	2					
Canada.....	33	7,434	22,382,499	968,742	36,659,245	82,003,268

TABLE 3. Products Made in The Bridge Building and Structural Steel Work Industry, 1949 and 1950

Product	1949		1950	
	Quantity	Selling value at works	Quantity	Selling value at works
	tons	\$	tons	\$
Structural work:				
Buildings	139,707	32,900,717	146,940	37,432,490
Bridges	18,335	5,791,604	29,264	7,618,703
Transmission towers	19,436	4,334,092	16,451	3,911,811
All other	19,249	5,648,209	11,714	3,718,659
Plate and tank work, including tanks, hoppers, digesters, etc.	—	4,477,048	—	4,038,960
Mechanical work, including cranes, trolleys, etc.	—	1,133,532	—	1,832,471
Sales of plain material (channels, etc., unfabricated)	81,649	10,101,051	83,199	11,053,501
Custom work and repairs	—	206,785	—	808,180
Other products ¹	—	11,099,193	—	11,588,493
Total products	—	75,692,231	—	82,003,268

1. Includes miscellaneous machinery, boilers, barges, reinforcing steel, etc.

Note: Plate and tank work and some structural work was done also in other industries, particularly in the Boilers, Tanks and Platework Industry.

TABLE 4. Materials Purchased and Used, and Inventories at End of 1950 in The Bridge Building and Structural Steel Work Industry

Material	Stocks on hand January 1, 1950	Purchases 1950	Stocks on hand December 31, 1950	Total materials used 1950
Structural steel:				
Shapes, including channels, beams, columns, angles, tees and zeos	ton 94,258	195,391	81,532	208,117
	\$ 8,335,438	19,173,068	7,714,436	19,794,070
Plates and sheets	ton 27,123	66,328	24,227	69,224
	\$ 2,494,244	6,624,712	2,363,932	6,755,024
Miscellaneous, including bars, billets, slabs, rounds, squares and sheet piling	ton 16,843	31,806	15,236	33,413
	\$ 1,701,625	3,226,399	1,581,438	3,346,586
		Quantity	Cost at works	
			\$	
Other materials:				
Electrical apparatus and supplies		—		553,970
Other complete parts purchased (such as engines, boilers, instruments, castings, etc.)		—		1,038,563
Lumber	M bd. ft.	1,248		137,364
Other miscellaneous stores		—		5,033,668
Total materials and supplies		—		36,659,245

TABLE 5. Employees, Salaries and Wages, by Provinces, in The Bridge Building and Structural Steel Work Industry, 1949 and 1950

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female		\$	\$	\$
1949								
Quebec	560	125	1,782	7	2,474	2,435,694	4,059,990	6,495,684
Ontario	461	120	2,600	17	3,198	2,009,459	6,213,121	8,222,580
Other provinces	279	50	1,137	11	1,477	1,116,489	2,741,780	3,858,269
Canada	1,300	295	5,519	35	7,149	5,561,642	13,014,891	18,576,533
1950								
Quebec	586	130	1,857	8	2,581	3,074,958	4,999,518	8,074,476
Ontario	576	136	2,344	24	3,080	2,538,773	6,650,500	9,189,273
Alberta	68	14	330	2	414	259,729	748,378	1,008,107
Other provinces	235	43	1,077	4	1,359	1,115,392	2,995,251	4,110,643
Canada	1,465	323	5,608	38	7,434	6,988,852	15,393,647	22,382,499

List of Firms in The Bridge Building and Structural Steel Work Industry, 1950

Name of Firm	Location of Plant
Nova Scotia:	
Robb Engineering Works Limited	51 La Planche St., Amherst
Quebec:	
B & H Metal Industries Co. Ltd.	4650 Notre Dame St. E., Montreal
Canadian Structural Steel Works Co. Ltd.	4600-17th Ave., Rosemount (Montreal)
Dominion Structural Steel Limited	6894 Clanranald Ave., Montreal
Dominion Bridge Co. Ltd.	Lachine
Eastern Canada Steel & Iron Works Limited	Lesage Ave., Quebec
Leeds' Bridge and Iron Works Ltd.	45 Seigneur St., Montreal
Lord & Company Ltd.	4700 Iberville St., Montreal
Mackinnon Structural Steel Company Limited	Sherbrooke
Modern Metal Works Reg'd	266-10th Ave., Sherbrooke
Standard Structural Steel Ltd.	6333 St. Lawrence, Montreal
Steel Constructors Limited	2075 Haig Ave., Montreal
Ontario:	
The Canadian Bridge Company Limited	1218 Walker Road, Walkerville
Central Bridge Company Limited	300 West St., Trenton
Disher Steel Construction Co. Limited	80 Commissioners St., Toronto
Dominion Bridge Company Limited	1139 Shaw St., Toronto
Dominion Bridge Company Limited	Charlevoix St., Eastview
Eansor, T.J., & Sons Limited	300 Pitt St. E., Windsor
Hamilton Bridge Company Limited	231-233 Bay St. N., Hamilton
Hepburn, John T., Limited	914-948 Dupont St., Toronto
Leeds Bridge and Iron Works Limited	Mill St., Gananoque
London Steel Construction Co., Limited	48 Burslem St., London
Sarnia Bridge Co. Limited	251 Campbell St., Sarnia
Sault Structural Steel Company Limited	Wilde Ave., Sault Ste. Marie
Standard Iron & Steel Works	3402 Dundas St. W., Toronto
Standard Steel Construction Co. Division of United Steel Corporation Ltd.	Port Robinson
Manitoba:	
Dominion Bridge Company, Limited	Dublin Ave., Winnipeg
Winnipeg Bridge Company, Limited	153 Aubert St., St. Boniface
Alberta:	
Dominion Bridge Company Limited	803-24th Ave. S.E., Calgary
Standard Iron & Engineering Works, Limited	120th St. and 107th Ave., Edmonton
Western Metal Fabricators Ltd.	2nd Ave & 15th St. S., Lethbridge
British Columbia:	
Dominion Bridge Co. Ltd.	Boundary Road, Burnaby
Western Bridge and Steel Fabricators Ltd.	145 W. 1st Ave., Vancouver

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010655664