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DOMINION BUREAU OF STATISTICS - CANADA
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IRON AND STEEL AND THEIR PRODUCTS

THE BEIDGE BUILDING AND STRUCTURAL STEEL WORK INDUSTRY, 1932.

Value of work done in the Bridge and Structural Steel Industry in Canada amounted to \$7,385,013 in 1932. This industry includes the concerns which were engaged chiefly in fabricating and erecting structural steel for bridges, buildings, etc., and in 1932 covered the operations of 18 establishments. Ten of these works were in Ontario, 4 in Quebec, 1 in Manitoba, 2 in British Columbia, and 1 in Alberta. Production in the previous year, 1931, was valued at \$22,170,215 with 21 plants in operation.

Capital employed in 1932 was reported at \$24,872,219 of which \$15,800,484 represented the value of land, buildings, machinery and tools. An average of 2,193 workers were employed in this industry and their receipts in salaries and wages amounted to \$3,635,213. Expenditures for materials were reported at \$4,109,142 and the cost of fuel and electricity was given at \$240,236.

The principal products were bridges, 14,218 tons at \$1,721,215; structural work (buildings, transmission towers, etc.) 30,802 tons at \$3,243,325; plate and tank work, 4,062 tons at \$589,940; and mechanical work at \$355,397. The value of work in process at the end of the year was \$1,232,734.

Table 1 - PRINCIPAL STATISTICS OF THE BRIDGE AND STRUCTURAL STEEL WORK INDUSTRY IN

	CANADA,	1931 and 1	.932		
	Average			Selling	Value
of Capital	number	Salaries	Cost of	value of	added
ants employed	of em	and	materials	products	by manu
	ployees	wages	at, works	at works	facturing
\$		\$	\$	\$	\$
4 7,257,43	2 1,440	2,580,520	2,966,111	7,530,963	4,564,852
13,480,13	5 2,047	2,978,952	4,340,385	8,837,468	4,497,083
21 27,469,35	1 4,421	7,143,544	9,132,721	22,170,215	13,037,494
4 6,443,00	7 872	1,614,661	1,765,187	2,379,710	614,523
10 13,724,58	2 945	1,348,895	1,832,468	3,447,237	1,614,769
18 24,872,219	2,193	3,635,213	4,109,142	7,365,013	5,275,871
	4 7,257,435 1 13,480,13 21 27,469,35 4 6,443,000 10 13,724,58	Average number number ants employed of em ployecs 4 7,257,432 1,440 1 13,480,135 2,047 21 27,469,351 4,421 4 6,443,007 872 10 13,724,582 945	Average of Capital number Salaries ants employed of em and ployees wages 4 7,257,432 1,440 2,580,520 11 13,480,135 2,047 2,978,952 21 27,469,351 4,421 7,143,544 4 6,443,007 872 1,614,661 10 13,724,582 945 1,348,895	of Capital number Salaries Cost of ants employed of em and materials ployees wages at works 4 7,257,432 1,440 2,580,520 2,966,111 11 13,480,135 2,047 2,978,952 4,340,385 21 27,469,351 4,421 7,143,544 9,132,721 4 6,443,007 872 1,614,661 1,765,187 10 13,724,582 945 1,348,895 1,832,468	Average of Capital number Salaries Cost of value of ants employed of em and materials products at works \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

⁽x) Total for 1931 also includes 2 plants in Manitoba, 2 in British Columbia, 1 in New Brunswick and 1 in Alberta. Total for 1932 also includes 2 plants in British Columbia, 1 in Alberta and 1 in Manitoba.

Table 2 - CAPITAL EMPLOYED, BY PROVINCES, 1931 and 1932. Present value Inventory value Operating of land, build- of materials on Inventory capital (cash, ings, fixtures, hand, stocks in bills and TOTAL Provvalue of machinery. process, fuel and finished accounts re-CAPITAL inces tools and other supplies on EMPLOYED products on ceivable. equipment hand hand etc.) 1931 7,257,432 2,465,797 2,700 912,602 Quebec .. 3,876,333 Untario . 7,732,084 1,236,213 738,417 3,773,421 13,480,135 CANADA(x) 16,249,711 4,636,580 908,419 5,674,641 27,469,351 1932 1,800,091 101,191 934,382 6,443,007 Quebec .. 3,607,343 955,770 365,483 3,780,479 13,724,582 Ontario . 8,622,850 CANADA(x) 15,800,484 3,293,769 467,535 5,310,431 24.872,219 (x) See footnote to Table 1.

Table 3. EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1931 and 1932. Salaries and wages Average number of employees Prov-Un salaries Un wages TOTAL TOTAL inces Male Female Male Female Salaries Wages \$ \$ \$ 1931 384 47 1,009 1,440 1,180,878 1,399,642 2,580,520 Quebec .. 394 2,047 2,978,952 Untario . 45 1,608 982,016 1,996,936 CANADA(x) 954 120 3,347 4,421 2,660,122 4,483,422 7,143,544 1932 27 785,590 187 658 872 829,071 1,614,661 Quebec ... 000 Untario . 228 32 685 945 603,383 745,512 1,348,895 CANADA(x) 532 1,589 2.195 1,667,514 1,967,699 3,635,213

Table 4 -	WAGE_EARNERS,	BY MON	HS, 1	931 a	nd 193	20
		1.	9	3	1	

(x) See footnote to Table 1.

18DIG 4 - WAGE-EARING	M. D.I. MON		ma rasko				
	1	9 3	1	1	9 3	2	
Months	In	On		In	On		
	shops	erection	TOTAL	shops	erection	TOTAL	
January	2,945	681	3,626	1,793	436	2,229	
February	2,910	51.1	3,421	1,808	545	2,353	
March	2,814	494	3,308	1,687	485	2,172	
April	2,849	647	3,496	1,437	560	1,997	
May occosos	2,892	811	3,703	1,408	497	3,,905	
June	2,862	81.7	3,679	1,229	451	1,680	
July	2,913	798	3,711	1,112	498	1,610	
August	2,822	788	3,610	946	31.0	1,256	
September	2,609	796	3,405	875	229	1,104	
October	2,305	693	2,998	791	259	1,050	
November	2,205	550	2,755	793	156	949	
December	1,950	469	2,419	545	205	748	
AVERAGE	2,675	672	3,347	1,202	387	1,589	

Table 5	- T	GTAL C	J.F	WAGE-EARNERS	IN	MUNTHS	OF	HIGHEST	EMPLOYMENT,	ACCORDING	TO	REGULAR

HOURS	JF WORK.	PER WEEK	(Uvertime not included)		
	Numbe	er of		Numbe	r of
Regular hours	wage e	earners	Regular hours	wage e	arners
per week	1931	1932	per week	1931	1932
			,		
40 hours or less	468	769	51 - 53 hours	38	10
41 - 43 hours	9	3	54 hours	44	000
44 hours	792	975	55 hours	13	18
45 47 hours	180	87	56 - 59 hours	20	21
48 hours	14	1	60 hours	61	4
49 - 50 hours	2,553	396	Over 60 hours	23	113

Table 6 FUEL AND ELECTRICIT	Y USED, 1931	and 1932.			
		1 9	3 1	1 9	3 2
Kinds	Unit of		Cost at		Cost at
	measure	Quantity	works	Quantity	works
			\$		\$
Bituminous coal - Canadian	short ton	8,222	53,272	7,148	45,909
Imported	short ton	4,436	23,332	2,924	15,409
Anthracite coal Imported	short ton	1.34	1,932	80	1,222
Lignite coal - Canadian	short ton	000	000	000	000
Imported	short ton	000	000	000	000
Coke	short ton	630	6,356	228	1,761
Gasoline	Imp. gal.	39,187	8,267	15,058	3,494
Kerosene	THE STATE OF THE S	730	124	355	59
Fuel oil	Imp. gal.	418,613	31,335	244,823	17,950
Wood	cord	37	240	000	000
Gas - Manufactured	M cu.ft.	20,697	13,998	9,187	6,790
Natural	M cuoft.	63,842	14,968	19,756	8,986
Electricity purchased	K.W.H.	11,056,003	175,954	7,017,336	140,492
Other fuel	XX	200	205	000	164
TOTAL	xx	_ 9.0.3_	333,983	000	240,236

Table 7 POWER EQUIPMENT, 1931 and 1932.	1 9 3 Number of	1 Total rated	1 9 Number of	3 2 Total rated
	units	horse power	wits	horse power
Steam engines and turbines	11	547 549 1,096	17 11 28	471 549 1,020
TOTAL		27.765 28.861	1.619	27,073 28,09 3
Electric motors run by power generated in same plant		537		570
Boilers	59	4,075	60	3,730



	Table	8	MATERIALS	USED.	1931	and 1932	
--	-------	---	-----------	-------	------	----------	--

	1 9	3 1	1, 9	3 2
Materials		Cost at		Cost at
	Quantity	works	Quantity	works
	Tons	\$	Tons	\$
otructural steel -				
Shapes, including channels, beams, columns,				
angles, joists, tees and zees	94,21.2	4,379,759	44,102	1,969,613
Plates and sheets	37,954	1,684,495	20,425	867,121
Miscellaneous, including bars, billets,				
slabs, rounds, squares and sheet piling	22,570	1,021,128	7,922	372,680
ther materials -				
Electrical apparatus and supplies	Q 3 0	287,214	000	79,767
Other complete parts purchased, including				
engines, boilers, etc.	0.50	599,200	00)	30,430
Lumber M ft. B.M.	2,881	102,363	356	15,138
Other materials	200	1,058,562	000	774,393
TUTAL	900	9,132,721	900	4,109,142

Table 9 -	PRODUCTS	MADE. 1	931	and 19	32.

		9 3 1	1 9	3 2
Products		Selling valu	е	Selling value
	Quantity	at works	Quantity	at works
	Tons	\$	Tons	\$
Bridges	45,061	6,335,641	14,218	1,721,215
Structural work (buildings, transmission				,
towers, etc.)	69,269	9,055,131	30,802	3,243,325
Plate and tank work	7,063	900,059	4,062	589,940
Mechanical work, including cranes, trolleys, e	tc	1,780,857	000	355,397
Sales of plain material	000	1,728,580	15,115	1,021,633
Custom work and repairs	4 5 0	389,569	010	103,794
uther products (x)	0,00	1,980,378	900	349,709
TOTAL				7,385,013
Value of work in process at end of year	040			1,232,734
(x) Includes head gates, ornamental ironwork.		aning plants.		

DIRECTORY OF FIRMS IN THE BRIDGE BUILDING AND STRUCTURAL STEEL WORK INDUSTRY, 1932.

Name of Firm

Canadian Bridge Co. Ltd.

Dominion Bridge Co. Ltd.

Location of Plant

11	11	51	11	
11	91	31	11	
H	31	- 11	- 11	
11	21	11	11	
Disher	Steel Con	astri	actio	on Co. Ltd.
Eansor	, T.J., &	Son	s, Lt	id.
Easter	n Canada	tee]	L &]	Iron Works Ltd.
Hamilto	on Bridge	Coo	Ltd.	,
London	Structure	al St	teel	Co. Ltd.
Mackin	non Steel	Corp	porat	tion, Ltd.
Reid &	Brown Sta	ructi	iral.	Steel & Iron Works, Ltd.
Sarnia	Bridge Co	o, Li	td.	
	rd Steel (tion Co.
Wester	n Bridge (Co. I	itd.	

Canadian Structural Steel Works Co. Ltd.

Walkerville, Ont.

4600 Seventeenth Ave., Rosemont, Montreal, P.
Lachine, P.Q.
Ottawa (Eastview), Ont.
1139 Shaw St. and 289 Sorauren Ave., Toronto
Dublin Ave., Winnipeg, Man.
803 24th Ave. S.E., Calgary, Alberta
275 First Ave. W., Vancouver, B.C.
80 Commissioners St., Toronto, Ont.
300 Pitt St. E., Windsor, Ont.
Lesage Ave., Quebec, P.Q.
Caroline St., Hamilton, Ont.
Burslem St., London, Ont.
Sherbrooke, P.Q.
Efleet St. W., Toronto, Ont.
251 Campbell St., Sarnia, Ont.
Port Robinson, Ont.
195 - 1st Ave. W., Vancouver, B.C.