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Published by Authority of Hon. H. H. Stevens, M.P.,
Minister of Trade and Commerce.

DOMINION BUREAU OF STATISTICS - CANADA
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Mining, Metallurgical and Chemical Branch
Chief: W. H. Losee, B.Sc.

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Table 2 - CAPITAL EMPLOYED, 1930 and 1931.

Provinces	Capital employed as represented by: Value of lands, buildings, fixtures, machinery and tools	Inventory value of materials, supplies, and finished products on hand and stocks in process	Cash, trading and operating accounts and bills receivable	TOTAL
	$	$	$	$
1930				
Prince Edward Island	151,541	154,660	61,443	367,644
Nova Scotia	1,400,080	474,161	426,867	2,301,108
New Brunswick	1,357,358	462,629	543,010	2,362,997
Quebec	13,651,425	4,930,362	5,361,729	23,943,516
Ontario	35,164,597	13,798,475	13,458,662	62,421,734
Manitoba	1,795,280	668,479	389,942	2,853,701
Saskatchewan	381,582	67,027	48,655	497,264
Alberta	974,696	433,014	225,799	1,633,509
British Columbia ...	2,303,544	779,878	853,294	3,936,716
C A N A D A	57,180,103	21,768,685	21,369,401	100,318,189
1931				
Prince Edward Island	158,526	165,662	49,681	373,869
Nova Scotia	1,553,805	431,117	474,792	2,459,714
New Brunswick	1,109,054	390,205	487,347	1,986,606
Quebec	12,865,750	4,892,682	6,410,485	24,168,917
Ontario	35,863,020	11,609,742	10,671,054	58,143,816
Manitoba	1,774,754	581,966	292,894	2,649,614
Saskatchewan	281,406	31,510	44,876	357,792
Alberta	818,060	403,251	202,043	1,423,354
British Columbia ...	2,287,247	864,172	662,217	3,813,636
C A N A D A	56,711,622	19,370,307	19,295,389	95,377,318

Table 3 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1930 and 1931.

Provinces	Average number of employees: On salaries		On wages			Salaries and Wages		
	Male	Female	Male	Female	TOTAL	Salaries	Wages	TOTAL
						$	$	$
1930								
Prince Edward Island	7	4	56	4	71	16,000	49,000	65,000
Nova Scotia	57	27	546	2	632	186,596	611,694	798,290
New Brunswick ...	54	25	464	4	547	173,261	486,935	660,196
Quebec	539	131	3,596	82	4,348	1,312,539	3,943,475	5,256,014
Ontario	1,012	384	11,563	196	13,155	3,237,288	13,271,625	16,508,913
Manitoba	53	10	342	...	405	138,876	419,218	558,094
Saskatchewan	9	1	47	1	58	20,480	64,786	85,266
Alberta	59	6	240	...	305	159,928	321,421	481,349
British Columbia.	122	19	834	3	978	329,958	1,128,181	1,458,139
C A N A D A ...	1,912	607	17,688	292	20,499	5,574,926	20,296,335	25,871,261
1931								
Prince Edward Island	5	4	69	4	82	14,500	50,725	65,225
Nova Scotia	47	18	452	1	518	152,293	484,190	636,483
New Brunswick ...	62	29	356	7	454	178,834	351,315	530,149
Quebec	439	89	3,002	60	3,590	1,016,672	3,010,656	4,027,328
Ontario	983	308	9,716	166	11,173	2,843,068	9,433,877	12,276,945
Manitoba	70	13	193	...	276	122,835	224,670	347,505
Saskatchewan	7	1	38	...	46	15,944	43,318	59,262
Alberta	39	6	173	...	218	106,548	190,973	297,521
British Columbia.	104	18	567	3	692	260,104	702,712	962,816
C A N A D A ...	1,756	486	14,566	241	17,049	4,710,798	14,492,436	19,203,234

Table 4 - WAGE-EARNERS, BY MONTHS, 1930 and 1931.

Months	1930 Male	1930 Female	1930 TOTAL	1931 Male	1931 Female	1931 TOTAL
January	17,985	326	18,311	14,548	274	14,822
February	18,866	329	19,195	15,493	274	15,767
March	19,007	328	19,335	15,951	276	16,227
April	19,101	327	19,428	16,131	266	16,397
May	19,120	337	19,457	15,476	253	15,729
June	18,658	338	18,996	15,008	245	15,253
July	17,762	290	18,052	14,101	219	14,320
August	17,427	292	17,719	13,658	205	13,863
September	17,214	288	17,502	13,928	213	14,141
October	17,032	314	17,346	13,825	228	14,053
November	16,356	307	16,663	13,651	225	13,876
December	15,866	306	16,172	12,997	218	13,215
A V E R A G E	17,688	292	17,980	14,566	241	14,807

Table 5 - NUMBER OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT, ACCORDING TO REGULAR HOURS WORKED PER WEEK, 1931 (Overtime not included)

Regular hours worked per week	Number of wage-earners	Regular hours worked per week	Number of wage-earners
40 hours or less	3,201	51 - 53 hours	233
41 - 43 hours	263	54 hours	1,433
44 hours	2,213	55 hours	1,326
45 - 47 hours	1,435	56 - 59 hours	287
48 hours	1,216	60 hours	584
49 - 50 hours	5,559	Over 60 hours	285

Table 6 - FUEL AND ELECTRICITY USED, 1930 and 1931.

Kinds	Unit of measure	1930 Quantity	1930 Cost at works	1931 Quantity	1931 Cost at works
			$		$
Bituminous coal - Canadian ..	short ton	21,063	124,270	21,231	119,091
Imported ..	short ton	166,413	639,687	95,216	514,661
Anthracite coal	short ton	1,420	13,868	960	8,536
Lignite coal	short ton	462	4,335	122	1,126
Coke	short ton	11,540	104,548	7,913	71,246
Gasoline	Imp. gal.	59,614	14,963	31,109	6,983
Kerosene	Imp. gal.	15,835	3,577	18,622	3,308
Fuel oil	Imp. gal.	3,792,386	291,612	3,298,915	170,681
Wood	cord	4,939	26,866	3,657	19,396
Gas - Manufactured	M cu.ft.	42,917	25,537	35,857	22,579
Natural	M cu.ft.	86,928	43,336	66,629	27,601
Other fuel	xxx	...	11,461	...	5,875
Electricity purchased	K.W.H.	73,138,393	817,767	68,375,855	721,489
T O T A L	xxx	...	2,121,827	...	1,692,572
Electricity generated for own use	K.W.H.	234,800	...	361,839	...

Table 7 - POWER EMPLOYED, 1930 and 1931.

Kinds	1930 Number of units	1930 Total horse power	1931 Number of units	1931 Total horse power
Steam engines and steam turbines	86	4,314	56	3,924
Gasoline, gas and oil engines	18	486	17	316
Hydraulic turbines or water wheels	8	357	6	178
Total primary power	112	5,157	79	4,418
Electric motors run by purchased power.	4,588	57,263	5,012	62,894
Total power employed	4,700	62,420	5,091	67,312
Electric motors run by primary power in same plant	90	1,280	86	1,207
Total electric motors	4,678	58,543	5,098	64,101
Boilers	169	16,406	172	16,757

Table 6 - MATERIALS USED, 1930 and 1931.

Materials	Unit of measure	1930 Quantity	1930 Cost at works	1931 Quantity	1931 Cost at works
			$		$
Iron and steel -					
Pig iron	long ton	149,012	3,316,296	114,670	2,617,203
Wrought iron bars	short ton)	5,336	308,394	1,960	107,288
Wrought iron skelp	lb.)			4,960,473	152,398
Malleable iron bars	short ton	3,629	237,956	3,437	146,683
Iron castings of all kinds	lb.	10,597,706	562,807	7,328,590	359,872
Steel -					
Castings	lb.	4,037,295	263,045	3,938,403	277,043
Ingots, blooms and billets	short ton	7,537	376,190	2,659	91,012
Bars and rods	lb.)			32,951,284	970,622
Plates	lb.)	138,464,333	4,261,972	10,151,237	258,675
Shafting	lb.)			1,063,362	62,351
Sheets, plain (black) ...	lb.)			14,516,907	513,718
Sheets, galvanized	lb.	80,000	4,000	7,510,672	282,104
Skelp	lb.	256,556,762	4,820,056	16,972,499	3,055,246
Structural shapes	lb.	8,026,000	298,139	6,120,191	208,970
Wire	lb.	...	...	4,136,655	127,203
Alloy steels	xx	...	670,468	...	263,042
Scrap iron and steel	short ton	112,356	1,674,364	107,233	1,094,419
Other iron and steel	xx	...	387,128	...	104,561
Other metals -					
Aluminium	lb.	223,451	41,710	212,012	45,353
Brass and bronze castings	lb.	1,207,960	243,035	615,148	126,045
Brass sheets, bars, etc.	lb.	426,916	75,961	316,349	41,714
Copper sheets, bars, etc.	lb.	1,715,657	309,780	720,196	152,927
Lead	lb.	225,672	13,669	209,223	10,224
Tin	lb.	134,206	33,920	86,532	22,605
Zinc	lb.	9,259,471	523,692	6,230,078	289,893
Babbitt metals and solders	lb.	169,664	43,253	89,525	23,116
Other metals	xx	...	88,950	...	41,165
Articles used for further manufacture -					
Parts for machines or vehicles	xx	...	605,862	...	405,267
Iron and steel pipe, tubes and fittings	xx	...	717,253	...	451,727
Bolts, nuts, rivets and screws	xx	...	496,295	...	298,332
Electrical goods	xx	...	1,005,172	...	635,977
Frit for enamelling	xx	...	...	...	178,790
Feldspar	xx	...	...	...	3,386
Paints, oils and varnishes ...	xx	...	143,680	...	96,632
Rubber and leather goods	xx	...	84,653	...	59,704
Other articles of this class .	xx	...	581,504	...	591,023
Other materials -					
Foundry coke (cupola) ...	short ton	664,905	724,698	50,287	553,333
Moulding sands	short ton	87,734	409,667	53,875	253,430
Plumbago	lb.	288,350	21,530	207,530	14,264
Other foundry facings ...	lb.	3,707,482	54,129	2,716,220	42,828
Patterns and models	xx	...	49,348	...	75,100
Lumber	M ft. b.m.	12,310	458,708	8,917	276,302
Firebrick	M	3,537	157,403	3,006	133,905
Fireclay	short ton	5,182	45,988	3,722	33,590
Cupola blocks	No.	...	20,121	120,106	15,667
Core oil	Imp. gal.	117,641	100,813	78,333	50,165
Core compound	lb.	...	24,584	...	29,138
Shipping containers	xx	...	169,206	...	110,943
All other materials	xx	...	3,837,203	...	2,843,093
T O T A L	xx	...	28,262,602	...	18,598,048

Table 9 - PRODUCTS MADE IN THE CASTINGS AND FORGINGS INDUSTRY, 1930 and 1931.

NOTE - Data given in this table cover only the output of the firms classified to the Castings and Forgings Industry. Figures for the individual items do not represent the total output in Canada as in nearly every case there was also a production in other industrial groups. For complete information on any commodity, refer to tables 10 - 13, or write to the Dominion Bureau of Statistics at Ottawa.

Products	Unit of measure	1930 Quantity	1930 Selling value at works	1931 Quantity	1931 Selling value at works
			$		$
Boilers -					
Heating -					
Cast iron sectional boilers - hot water and steam	No.	12,928	1,383,171	11,856	1,233,697
Steel firebox, locomotive type.	No.	21	23,301	13	20,321
Horizontal return tubular	No.	20	9,565	10	5,795
Steel water - tube	No.	64	44,650	63	34,172
Power -					
Horizontal return tubular	No.	21	11,395	32	38,559
Steel firebox, locomotive type.	No.	2	2,497	...	...
Firetube, vertical type	No.	45	14,876	39	15,034
Boilers, other, and parts	xx	...	98,575	...	94,552
Automobile parts	xx	...	4,589,134	...	2,591,606
Castings -					
Aluminium	lb.	230,993	129,473	58,614	24,271
Grey iron	lb.	122,892,092	6,401,206	96,438,121	4,741,711
Malleable iron	lb.	31,004,874	2,345,012	22,821,378	1,683,048
Steel	lb.	2,121,424	110,755	1,325,956	59,611
Brass	lb.	1,058,773	362,580	800,853	294,470
Copper	lb.	26,884	8,689	15,170	4,728
Other castings	lb.	2,655,511	155,978	...	43,371
Cooking and Heating Apparatus -					
Furnaces, warm air, coal or wood	No.	25,446	1,650,109	15,246	1,090,716
Stoves and ranges, coal or wood.	No.	149,429	4,553,553	99,683	3,100,523
Gas and coal, combinations	No.	(1)		3,418	266,850
Gas and electric, combinations .	No.	3,901	282,407	389	30,167
Coal and electric, combinations	No.	..(1)	...	1,014	93,313
Gas cooking stoves and ranges ..	No.	40,128	1,448,844	31,530	1,135,776
Electric cooking stoves and ranges	No.	24,886	1,490,501	19,693	1,355,555
Electric cooking plates and grills	No.	(1)		8,072	31,913
Gas cooking plates	No.	(1)		6,833	45,563
Water tank heaters, gas	No.)	23,057	392,727	20,748	250,024
Water tank heaters, electric	No.)			2,575	32,326
Grate bars	lb.	1,385,713	77,161	831,002	54,264
Registers and grills, air	xx	...	234,816	...	144,710
Oil burners	No.	3,066	444,136	6,501	306,413
Radiators - direct type	xx)		2,739,252	...	1,898,127
Radiators - concealed type	xx)			...	100,763
Steam traps	xx	...	282,187	...	82,702
Stove parts	xx	...	615,497	...	521,176
Furnace parts	xx	...	41,915	...	146,171
Other heating equipment	xx	...	2,595,964	...	1,184,333
Engines, gasoline	No.	542	114,019	252	87,294
Engines, other, and parts	xx	...	4,693	...	100,713
Forgings	lb.	34,616,906	2,994,414	21,320,829	1,588,987
Hardware, builders'	xx	...	290,461	...	206,951
Hardware, other	xx	...	596,129	...	355,274
Machinery -					
Agricultural implements	xx	...	209,116	...	33,609
Bakers' mixing machines	No.	93	40,417	33	12,277
Bakers' ovens	No.	298	154,876	314	167,559
Other bakers' machinery	xx	...	2,250	...	15,325
Dairy and cheese factory equipment	xx	...	7,767	...	14,836
Flour and grist mill machinery ..	xx	...	12,809	...	39,730
Hoisting machinery	xx	...	125,544	...	136,779
Mining machinery.....	xx	...	285,127	...	79,112
Printing machinery	xx	...	26,595	...	13,885
Pulp and paper machinery	xx	...	181,841	...	87,972

Table 9 - PRODUCTS MADE IN THE CASTINGS AND FORGINGS INDUSTRY IN CANADA, 1930 and 1931. concluded

Products	Unit of measure	1930 Quantity	1930 Selling value at works	1931 Quantity	1931 Selling value at works
			$		$
Machinery - continued					
Road making machinery	xx	...	136,235	...	44,499
Ships' machinery and fittings	xx	...	197,840	...	175,510
Woodworking machinery	xx	...	170,784	...	100,156
Water wheels and turbines	xx	...	44,261	...	53,286
All other machinery	xx	...	311,601	...	223,638
Machinery parts	xx	...	144,540	...	210,683
Pipe and tubing -					
Cast iron soil pipe and fittings	lb.	35,141,206	1,256,233	21,334,478	661,332
Other cast iron pipe and fittings	lb.	128,607,601	3,329,840	150,240,952	3,371,150
Malleable iron pipe and fittings	lb.	10,087,388	1,217,418	7,477,421	687,008
Wrought iron pipe and fittings	lb.	8,696,470	453,357	4,562,234	238,229
Steel pipe and fittings	lb.	217,075,969	9,615,347	137,884,419	6,218,968
Other pipe and tubing	lb.	4,501,508	450,543	6,126,026	680,076
Pumps -					
Piston, power, other than steam.	No.	1,634	311,429	335	213,214
Centrifugal	No.	324	51,303	...	80,940
Hand	No.	6,548	30,602	2,525	12,940
Other pumps	xx	...	1,350	...	94,476
Tanks -					
Steel plate	xx	(1)		...	48,964
Sheet steel - Pressure	xx	...	503,309	...	102,915
Sheet steel - Storage	xx	466	48,974	...	193,381
Other Products -					
Bolts, nuts and rivets	lb.	12,442,833	763,790	1,172,651	439,474
Brakeshoes	xx	...(1)	...	...	140,873
Cars, dump, mine (narrow gauge).	No.	67	8,147	...	9,888
Chains, other than auto	lb.	7,427,463	593,021	4,037,835	360,249
Enamelled sanitaryware	xx	...	2,507,348	...	2,183,413
Gears	xx	...	41,696	...	41,233
Horseshoe calks	lb.	747,250	79,275	1,049,800	86,547
Hydrants	No.	1,404	108,504	1,696	114,235
Iron work	xx	...	117,365	...	85,913
Lawn mowers	No.	15,455	110,536	13,514	95,645
Plumbers' goods (iron)	lb.	...	37,899	8,133,000	462,330
Patterns and models	xx	...	125,207	...	117,682
Railway track equipment	xx	...	94,434	...	25,993
Scrap iron and steel	lb.	33,326,651	170,046	16,161,157	62,076
Stampings	lb.	...	119,924	1,751,785	116,348
Structural steel shapes (fabricated only)	short ton	(1)		1,839	216,123
Tools	xx	...	397,671	...	280,673
Valves, iron	lb.	17,888	256,746	...	220,076
Valves, brass or bronze	xx	...	260,848	...	107,644
Receipts from custom work and repairs	xx	...	4,396,619	...	3,321,757
All other products (2)	xx	...	8,183,645	...	3,858,785
TOTAL	xx	...	74,233,671	...	51,455,296

(1) Not separately specified in 1930.
(2) Includes products of 1 or 2 firms such as steel barrels, superheaters, blower systems, chains, culverts, elevators, range boilers, etc.

Table 10 - PRODUCTION OF STOVES IN CANADA, 1931.

NOTE - These figures represent the total Canadian output regardless of the industry in which produced.

Types	Number	Selling value at works
		$
Coal and wood cook stoves and ranges, all styles	57,129	2,400,809
Coal and wood heating stoves (including all heaters, circulators, Quebec, box, oak, Franklyn, globe or laundry)	44,224	827,014
Combination for gas and coal	3,418	266,850
Combination for gas and electric	125	10,950
Combination for coal and electric	1,583	150,727
Gas cooking stoves and ranges (not combinations) including all styles with ovens	31,530	1,135,776
Electric cooking stoves and ranges (over 35 amperes) all styles with ovens	26,441	1,903,765
Electric rangettes including cord attachment and oven as one unit	4,049	69,556
Electric cooking plates and grills	62,168	167,897
Gas cooking plates	7,127	46,153
TOTAL	...	6,979,497

Table 11 - TOTAL PRODUCTION OF WATER HEATERS IN CANADA, 1931.

NOTE: - These figures represent the total Canadian output regardless of the industry in which produced.

Types	Number	Selling value at works
		$
Electric water heaters -		
Circulating type	7,579	79,144
Immersion type	5,472	24,796
Storage tank type	260	10,287
Gas water heaters -		
Automatic type	4,705	120,126
Non-automatic type	16,043	129,898
TOTAL	34,059	364,251

Table 12 - TOTAL PRODUCTION IN CANADA OF BOILERS, ENGINES, TANKS AND FABRICATED STRUCTURAL SHAPES, 1931.

NOTE:- Figures in this table represent the total production in the iron and steel group regardless of the particular industries in which produced. Data are subject to slight revision upon further examination of the individual schedules.

	Number	Total sq.ft.of heating surface	Total horse power	Total selling value at plant
				$
Boilers -				
Heating -				
Cast iron sectional hot water and steam ..	11,858	...	...	1,234,156
Steel firebox - locomotive type	63	25,874	2,451	57,510
Horizontal return tubular	59	21,179	1,944	34,943
Steel water tube	236	49,407	4,896	110,654
Steel, welded	230	86,871	9,349	176,989
Power--				
Water tube - horizontal type	53	71,105	6,970	168,863
Water tube - vertical type	9	14,770	1,473	70,202
Water tube - bent tube type	14	43,497	4,350	118,145
Horizontal return tubular	105	79,547	7,539	147,053
Marine type - internally fired	6	3,728	373	11,978
Marine type - water tube	8	27,481	2,748	57,963
Steel firebox - locomotive type	24	7,603	763	24,893
Firetube - vertical type	184	20,328	1,985	56,461
Type not specified	25	...	...	34,391
Total Boilers	12,874	...	...	2,304,201

Table 12 - TOTAL PRODUCTION IN CANADA OF BOILERS, ENGINES, TANKS AND FABRICATED STRUCTURAL SHAPES, 1931. concluded.

NOTE:- Figures in this table represent the total production in the iron and steel group regardless of the particular industries in which produced. Data are subject to slight revision upon further examination of the individual schedules.

	Number	Total sq.ft.of heating surface	Total horse power	Total selling value at plant
				$
Engines -				
Steam	...	...	...	26,047
Steam turbine	7	...	...	13,697
Gasoline - automobile	55,966	...	...	...
Gasoline - marine type	2,121	...	...	480,846
Gasoline - stationary	100	...	...	28,960
Gasoline - aeroplane and hand car	210	...	...	160,300
Gasoline - type not specified	402	...	...	125,543
Gas and oil	...	...	...	97,389
Locomotives, new	26	...	...	1,897,493
Tanks -				
Steel plate - Oil storage	...	...	...	1,226,826
Other	...	...	...	265,618
Sheet steel - Pressure	...	...	...	209,470
Storage	...	...	...	668,651

Table 13 - TOTAL PRODUCTION IN CANADA OF CERTAIN IRON AND STEEL PRODUCTS, 1930 and 1931.

NOTE:- Figures given in this table represent the total Canadian production regardless of the industry in which produced. Figures are subject to slight revision on further examination of the individual schedules.

Products	Unit of measure	1930 Quantity	1930 Selling value at works	1931 Quantity	1931 Selling value at works
			$		$
Barrels and drums, steel	xx	...	1,080,345	...	564,518
Bolts, nuts and rivets	lb.	77,431,473	4,665,922	40,581,631	2,650,441
Casters	xx	...	176,372	...	146,269
Castings (sold as such) -					
Aluminium	lb.	254,555	134,644	167,767	40,538
Brass and bronze	lb.	19,506,231)		4,753,742)	
Copper	lb.	77,055)	5,097,421	104,040)	1,872,386
Other non-ferrous metals	lb.	2,823,853)		2,504,100)	
Grey iron	ton	63,642	6,627,453	50,149	4,923,865
Malleable iron	ton	15,502	2,345,012	11,411	1,683,048
Iron, kind not specified	ton	35,752	2,795,648	22,593	1,885,545
Steel, direct	long ton	47,810	7,991,167	31,142	5,151,191
Kind not specified	xx	...	170,250	...	56,466
Hardware - Automobile	xx	...	...	...	257,369
Casket	xx	...	171,545	...	156,444
Carriage and saddlery	xx	...	128,518	...	213,658
Builders'	xx	...	2,845,674	...	2,350,483
Pole line	xx	...	814,094	...	457,888
Other	xx	...	652,724	...	544,042
Lawn mowers	No.	38,073	266,418	32,110	228,670
Nails and spikes, wire	lb.	96,005,481	3,337,002	86,175,314	2,975,732
Screws and screw machine products	xx	...	1,859,068	...	1,315,242
Skates	xx	...	354,331	...	424,247
Staples, wire	lb.	4,556,718	175,564	3,814,520	146,011
Tacks, cut and wire	lb.	2,513,136	328,284	2,238,046	289,437
Tools, other -					
Axes	No.	561,596	529,052	261,564	231,894
Drills of all kinds	xx	...	345,640	...	210,099
Machine knives	xx	...	169,897	...	151,733
Taps, stocks and dies	xx	...	493,119	...	218,088
Other, not specified separately	xx	...	2,433,828	...	1,660,880

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