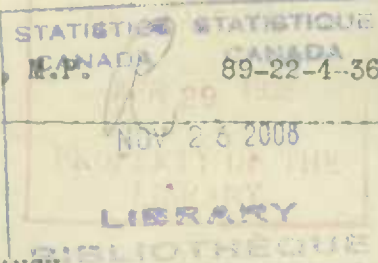


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DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
Census of Industry  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)  
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.

IRON AND STEEL AND THEIR PRODUCTS

FINAL SUMMARY STATISTICS, 1934

Final statistics on the iron and steel industries for 1934 indicate an increase of about 45 per cent over the output value for 1933. Production in 1934 was valued at \$308,303,352 compared with \$211,961,908 for the previous year, \$225,832,185 in 1932 and \$374,725,068 in 1931.

The improvement in 1934 was quite general with all of the industries participating except bridge and structural steel work which declined 14 per cent to \$4,700,143. The advances in output value for the other groups were: primary iron and steel, 57 per cent to \$29,101,463; castings and forgings, 45 per cent to \$35,128,086; boilers, tanks and engines, 45 per cent to \$6,485,814; agricultural implements, 64 per cent to \$8,817,756; machinery, 33 per cent to \$25,234,863; automobiles, 78 per cent to \$76,133,448; auto parts, 89 per cent to \$24,378,762; bicycles, 45 per cent to \$1,033,422; railway rolling stock, 15 per cent to \$34,352,911; wire and wire goods, 38 per cent to \$14,684,561; sheet metal products, 19 per cent to \$30,910,965; hardware and tools, 39 per cent to \$13,593,657; and miscellaneous iron and steel products, 18 per cent to \$2,910,095.

A total of 1,255 plants were in operation in 1934 compared with 1,291 in 1933 but capital employed declined \$32.8 millions to \$547,892,157. The average number of employees increased to 81,782 from 70,947 in 1933 and the payments in salaries and wages advanced to \$88,924,168 from \$69,482,730. The cost of materials was \$154,055,806 in 1934 and \$97,705,853 in 1933.

Canada's imports of iron and steel products showed a gain of 54 per cent over 1933. Foreign purchases in 1934 totalled \$93,615,090 in value compared with \$60,734,395 in the preceding year. Imports from the United Kingdom advanced \$2.9 millions to \$18,683,975; purchases from the United States increased \$29.2 millions to \$71,056,276, and shipments from other countries were higher by \$0.7 millions at \$3,874,839.

Exports also showed a substantial increase in 1934 to \$37,402,314 compared with \$22,182,952 in 1933. Shipments to the United Kingdom at \$8,987,922 were more than double the value of the 1933 sales to that country; sales to United States fell off to \$2,782,307 from \$4,070,426, but exports to other countries advanced to \$25,632,085 from \$13,788,466 in 1933.

Table 1 - PRINCIPAL STATISTICS OF THE MANUFACTURE OF IRON AND STEEL AND THEIR PRODUCTS,  
1933 and 1934.

Industries	No. of plants	Capital employed \$	Average number of em- ployees	Salaries and wages \$	Cost of materials at works \$	Selling value of products at works \$
<u>1933</u>						
Primary iron and steel .....	50	96,444,846	5,200	6,049,189	7,598,931	18,492,549
Castings and forgings	327	72,810,073	11,111	9,816,895	8,053,094	24,197,347
Boilers, tanks and engines .....	50	13,331,336	1,572	1,742,257	1,553,690	4,445,256
Agricultural imple- ments .....	40	63,903,380	3,039	3,047,501	2,215,031	5,326,416
Machinery .....	189	53,167,815	6,317	6,575,848	6,787,924	18,912,926
Automobiles .....	22	40,000,559	8,134	8,557,331	28,730,750	42,885,643
Automobile parts ....	83	16,975,182	3,776	3,569,483	6,034,155	13,001,185
Bicycles .....	3	2,035,493	236	247,054	276,816	712,524
Railway rolling stock	37	86,509,047	16,172	14,584,021	13,574,592	29,672,265
Wire and wire goods .	72	28,667,338	2,724	2,678,413	3,332,040	10,511,900
Sheet metal products.	172	53,851,889	6,000	6,033,783	13,828,178	25,963,828
Hardware and tools ..	145	24,701,400	4,256	3,643,838	3,003,383	9,761,966
Miscellaneous iron and steel .....	83	5,456,836	977	934,634	910,818	2,461,573
Bridge and structural steel .....	18	22,905,185	1,433	2,002,483	1,806,451	5,616,430
TOTAL .....	1,291	580,760,379	70,947	69,482,730	97,705,853	211,961,908
<u>1934</u>						
Primary iron and steel .....	51	90,079,004	7,400	9,009,512	12,673,398	29,101,463
Castings and forgings	337	71,187,589	13,116	13,199,126	12,141,691	35,128,086
Boilers, tanks and engines .....	51	14,202,122	2,047	2,291,422	2,432,907	6,485,814
Agricultural imple- ments	35	55,742,696	3,706	3,776,918	3,632,821	8,817,756
Machinery .....	198	53,311,396	7,526	8,265,101	10,391,964	26,072,269
Automobiles .....	21	34,520,938	9,674	12,938,933	52,693,074	76,133,448
Automobile parts ....	80	19,393,687	5,172	5,498,360	12,736,731	24,378,762
Bicycles .....	4	2,330,478	287	333,667	503,748	1,033,422
Railway rolling stock	37	82,897,836	16,095	16,312,271	16,756,285	34,352,911
Wire and wire goods .	69	28,818,082	3,163	3,272,740	4,526,426	14,684,561
Sheet metal products.	126	45,889,032	6,118	6,264,010	17,431,261	30,910,965
Hardware and tools ..	135	23,603,246	4,626	4,563,692	4,184,533	13,593,657
Miscellaneous iron and steel .....	93	5,968,530	1,193	1,108,864	1,185,432	2,910,095
Bridge and structural steel .....	18	19,947,521	1,659	2,089,552	2,765,535	4,700,143
TOTAL .....	1,255	547,892,157	81,782	88,924,168	154,055,806	308,303,352



Table 2 - PRINCIPAL STATISTICS, BY PROVINCES, 1933 and 1934.

Provinces	Number of plants	Capital employed \$	Average Number of em- ployees	Salaries and wages \$	Cost of materials at works	Selling Value products at works \$
<u>1 9 3 3</u>						
Prince Edward Island	5	501,679	78	58,677	96,773	246,512
Nova Scotia .....	34	29,585,518	1,728	1,822,835	3,882,683	7,585,662
New Brunswick	23	6,028,715	1,588	1,570,012	1,487,842	3,315,972
Quebec .....	263	120,720,921	17,136	15,750,454	16,376,835	43,223,689
Ontario .....	771	374,551,927	41,551	41,832,755	67,277,679	137,702,945
Manitoba .....	47	23,683,629	5,410	5,013,908	4,085,336	10,098,973
Saskatchewan .....	12	1,502,069	148	147,950	105,364	291,557
Alberta .....	26	9,437,472	1,890	1,724,319	1,330,338	3,185,864
British Columbia ...	110	14,748,449	1,418	1,561,820	3,063,003	6,310,734
TOTAL .....	1,291	580,760,379	70,947	69,482,730	97,705,853	211,961,908
<u>1 9 3 4</u>						
Prince Edward Island	6	502,025	81	63,082	111,620	233,924
Nova Scotia .....	35	27,204,893	2,309	2,622,382	4,141,221	10,229,261
New Brunswick .....	23	6,284,162	1,653	1,722,915	1,958,832	4,085,695
Quebec .....	262	115,494,593	18,862	18,866,428	23,320,193	53,922,917
Ontario .....	750	344,733,385	49,843	56,248,232	113,660,101	215,875,094
Manitoba .....	42	23,006,727	5,364	5,366,771	4,777,089	11,425,496
Saskatchewan .....	14	1,729,441	176	187,996	198,382	445,479
Alberta .....	25	9,682,248	1,900	1,918,787	1,617,500	3,821,606
British Columbia ...	98	19,254,683	1,594	1,927,575	4,270,868	8,263,880
TOTAL .....	1,255	547,892,157	81,782	88,924,168	154,055,806	308,303,352

Table 3 - HISTORICAL SUMMARY OF THE MANUFACTURE OF IRON AND STEEL AND THEIR PRODUCTS,  
1917 - 1934

Years	Number of plants	Capital employed \$	Average number of em- ployees	Salaries and wages \$	Cost of materials at works \$	Selling value of products at works \$	Value added by manu- facturing \$
1917	1,409	576,814,790	144,413	135,426,469	343,634,834	693,872,364	347,472,731
1918	1,352	547,932,654	128,399	45,773,485	431,448,368	793,080,850	358,089,124
1919	1,360	541,791,187	88,300	102,328,199	228,351,993	489,756,971	261,404,978
1920	1,475	624,558,400	115,761	158,504,947	321,298,396	640,233,785	318,935,389
1921	1,135	575,680,424	77,077	98,363,983	194,703,391	382,398,084	187,694,693
1922	1,046	526,109,953	75,334	91,629,491	168,937,807	333,569,814	164,632,008
1923	1,000	552,272,800	88,071	115,453,809	256,417,991	465,959,547	209,541,556
1924	1,055	537,546,035	78,656	100,050,011	196,474,248	371,242,493	174,768,245
1925	1,075	567,912,477	90,125	117,642,470	206,337,132	411,378,640	205,041,508
1926	1,142	597,982,098	103,510	137,640,065	258,020,373	505,188,849	247,168,476
1927	1,148	638,914,893	106,293	143,351,174	261,102,679	525,921,839	264,819,160
1928	1,159	702,931,186	119,200	168,320,038	309,618,074	609,632,999	300,014,925
1929	1,169	754,989,105	132,281	186,928,700	384,925,660	738,012,980	353,087,320
1930	1,196	757,797,256	119,987	165,429,608	281,713,862	569,745,973	288,032,111
1931	1,243	676,270,362	96,927	120,759,931	170,754,686	374,725,068	203,970,382
1932	1,233	608,619,518	74,214	82,339,437	102,289,749	225,832,185	123,542,436
1933	1,291	580,760,379	70,947	69,482,730	97,705,853	211,961,908	114,256,055
1934	1,255	547,892,157	81,782	88,924,168	154,055,806	308,303,352	154,247,546

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Table 4 - THIRTY-FOUR PRODUCTS OF THE IRON AND STEEL INDUSTRIES, 1933 and 1934

Products	Unit	1933		1934	
		Quantity	Selling value at works \$	Quantity	Selling value at works \$
Autos and trucks .....	No.	65,852	38,630,463	116,852	70,030,474
Tin cans .....	-	-	11,602,245	-	14,685,699
Iron and steel pipe and tubing .....	S.tons	54,164	4,809,822	89,189	8,168,728
Iron castings (sold as such) .....	S.tons	51,449	5,122,545	79,386	7,226,796
Stoves and cooking plates .....	-	-	4,634,939	-	6,521,913
Steel bars sold .....	L.tons	72,686	4,009,108	116,372	6,502,664
Washing machines .....	No.	58,931	2,844,031	84,079	3,820,998
Steel rails sold .....	L.tons	69,052	2,899,750	88,023	3,660,274
Steel wire sold .....	S.tons	37,381	2,456,898	58,374	3,617,756
Wire nails and spikes sold .....	S.tons	37,168	2,498,894	53,223	3,395,322
Steel ingots and castings sold .....	L.tons	14,934	2,365,171	20,139	3,228,451
Galvanized sheets ....	S.tons	32,859	2,327,119	39,403	2,832,089
Wire rods sold (including chain rods) ..	L.tons	29,111	1,104,532	76,992	2,705,167
Bolts, nuts and rivets	-	-	1,774,001	-	2,674,040
Bridges and buildings, (structural steel erected) .....	S.tons	26,774	3,619,439	24,010	2,480,109
Car wheels .....	-	-	952,971	-	1,860,603
Pig iron sold .....	L.tons	76,507	1,402,903	97,440	1,856,284
Wire rope and cable ..	-	-	1,138,338	-	1,818,861
Screws and screw machine products ....	-	-	1,001,857	-	1,634,948
Boilers, heating and power .....	No.	7,886	1,120,450	9,030	1,598,939
Bottle caps, metal ...	-	-	1,329,184	-	1,560,127
Builders' hardware ...	-	-	1,113,618	-	1,452,810
Blooms, billets and slabs sold .....	L.tons	8,691	259,334	54,711	1,440,318
Chains, auto and other	-	-	734,626	-	1,210,514
Cold rolled and drawn steel shapes sold ...	L.tons	8,028	729,324	12,678	1,152,885
Grain binders .....	No.	6,317	815,380	7,253	1,122,829
Structural shapes sold	L.tons	15,974	740,200	23,258	1,104,324
Radiators, heating ...	-	-	624,300	-	1,081,500
Iron and steel pumps .	-	-	853,442	-	1,068,840
Rail fastenings sold .	L.tons	5,149	306,609	19,981	1,058,715
Kitchenware, vitreous enamelled .....	-	-	756,718	-	1,040,086
Furnaces, warm air ...	No.	10,455	738,968	13,569	950,426
Sanitaryware, cast iron, enamelled .....	-	-	703,998	-	914,489
Wire fencing sold ....	S.tons	7,329	695,078	9,453	859,049