

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY

MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

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IRON AND STEEL AND THEIR PRODUCTS

FINAL SUMMARY STATISTICS, 1943

According to final data compiled from the Census of Industry reports for 1943, the production value of iron and steel and their manufactures amounted to \$2,575,976,547 at factory prices. This value was 22 per cent over the final total for 1942.

The values by industries for 1943 were as follows, in millions of dollars: pig iron, ferro-alloys, steel and rolled products, \$223.9; iron castings, \$75.5; heating and cooking apparatus, \$27.6; boilers, tanks and platework, \$37.4; farm implements, \$56.9; machinery, \$152.4; automobiles, \$352.2; automobile parts, \$175.1; bicycles, \$3.4; aircraft, \$246.0; shipbuilding, \$376.6; railway rolling stock and parts, \$159.2; wire and wire goods, \$41.1; sheet metal products, \$96.9; hardware, cutlery and tools, \$91.3; bridge and structural steel work, \$72.5; machine shop, \$23.2; and miscellaneous iron and steel products, \$364.7.

The distribution of this production by provinces was as follows: Ontario had \$1,480.5 millions; Quebec, \$674.0; Nova Scotia, \$80.0; Manitoba, \$41.9; British Columbia, \$254.6; New Brunswick, \$18.9; Saskatchewan, \$10.1; Alberta, \$14.9; and Prince Edward Island, \$0.9 millions.

In 1943 a total of 2,044 factories operated in this group. These works, representing a capital investment in Canada of \$1,852.5 millions, employed a monthly average of 435,744 people who were paid \$833.4 millions for salaries and wages. Materials used in manufacturing processes cost \$1,131.9 millions and fuel and electricity cost \$47.3 millions.

Imports of iron and its products totalled \$420.2 millions in 1943 compared with \$377.8 millions in 1942, and exports amounted to \$723.8 millions against \$472.8 millions in 1942. The United States supplied 98 per cent of the 1943 imports and took 7 per cent of the exports, while the United Kingdom provided 2 per cent of the imports and took 33 per cent of the exports.

Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF IRON AND STEEL AND THEIR PRODUCTS, 1942

Industry	Number of plants	Capital employed	Average number of em- ployees	Salaries and Wages	Cost of materials at works (x)	Gross sell- ing value of products at works
		\$		\$	\$	\$
Pig iron, ferro- alloys, steel and rolled products	61	205,804,671	33,245	60,874,818	110,551,516	232,105,755
Iron castings ..	201	59,342,833	16,867	28,671,888	30,330,276	81,341,609
Heating and cook- ing apparatus .	77	20,641,557	6,150	8,970,326	11,015,944	28,105,255
Boilers, tanks and plate work.	40	20,690,481	5,127	9,284,344	12,039,830	27,455,999
Farm implements.	35	57,405,110	11,853	18,479,771	17,409,396	44,678,078
Machinery	255	122,587,591	27,354	47,707,573	52,950,771	159,371,788
Automobiles ..	6	143,442,197	24,403	52,281,941	239,544,621	324,772,681
Automobile parts	101	76,029,153	21,010	37,011,834	112,061,012	184,499,499
Bicycles	8	3,711,300	748	1,504,288	1,458,129	3,393,698
Aircraft	42	90,527,920	44,886	76,334,141	46,252,255	151,554,598
Shipbuilding ..	79	125,048,259	50,132	92,188,814	73,325,151	242,138,127
Railway rolling stock and parts	35	124,513,549	31,682	59,333,662	81,833,797	156,070,617
Wire and wire goods	78	36,279,072	6,877	10,625,721	13,704,549	42,702,658
Sheet metal products	185	77,108,793	16,597	24,269,001	58,883,664	110,442,259
Hardware, cutlery and tools	227	54,368,983	15,706	25,238,486	22,757,199	82,307,758
Bridge and struc- tural steel ..	22	46,787,155	9,117	19,028,055	28,528,769	63,383,569
Machine shops ..	311	9,735,840	4,243	6,733,361	3,178,181	14,199,745
Miscellaneous iron and steel.	168	172,190,553	34,912	60,792,877	70,135,177	164,298,544
TOTAL	1,931	1,446,215,017	360,909	639,330,901	985,960,237	2,112,822,237

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

(x) Does not include fuel and electricity costing \$42,437,666 in 1942.

Table 2 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF IRON AND STEEL AND THEIR PRODUCTS, 1943

Industry	Number of plants	Capital employed	Average number of em- ployees	Salaries and Wages	Cost of materials at works (x)	Gross sell- ing value of products at works
		\$		\$	\$	\$
Pig iron, ferro- alloys, steel and rolled products	63	235,386,238	34,222	65,654,468	101,413,794	223,951,059
Iron castings .	198	60,193,907	15,916	28,727,856	26,677,705	75,479,138
Heating and cook- ing apparatus .	72	20,176,358	6,326	10,119,094	10,382,209	27,645,874
Boilers, tanks and plate work.	38	25,122,738	5,469	11,086,571	16,270,970	37,365,932
Farm implements.	37	61,820,335	14,065	24,597,880	25,213,399	56,952,569
Machinery	256	123,621,515	28,239	52,818,044	48,685,844	152,359,576
Automobiles ..	5	139,610,450	24,265	57,569,265	248,652,602	352,229,955
Automobile parts	101	78,194,016	21,631	40,328,567	89,986,643	175,074,983
Bicycles	8	4,064,999	733	1,442,731	1,543,280	3,369,040
Aircraft	45	228,616,099	69,529	126,826,708	60,448,010	246,028,586
Shipbuilding ..	87	241,992,825	75,847	153,595,336	123,317,336	376,560,974
Railway rolling stock and parts	34	125,160,005	30,495	59,442,679	83,069,419	159,156,587
Wire and wire goods	80	36,044,940	6,674	10,993,311	12,717,237	41,117,308
Sheet metal products	191	77,846,582	16,955	26,577,908	48,922,922	96,923,991
Hardware, cutlery and tools	241	62,873,901	19,228	33,222,087	24,233,712	91,296,033
Bridge and struc- tural steel ..	22	39,458,775	10,974	23,175,872	24,014,652	72,515,834
Machine shops .	405	15,820,936	6,609	11,395,002	4,649,965	23,251,034
Miscellaneous iron and steel.	161	276,501,433	48,567	95,810,305	181,658,309	364,698,074
TOTAL	2,044	1,852,506,052	435,744	833,383,684	1,131,858,008	2,575,976,547
Per cent change, 1943 from 1942 .	+6	+28	+21	+30	+15	+22

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

(x) Does not include fuel and electricity costing \$47,350,427 in 1943.

Final Iron and Steel

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Table 3 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF IRON AND STEEL AND THEIR PRODUCTS, BY PROVINCES, 1942 and 1943

Province	Number of plants	Capital employed	Average number of em- ployees	Salaries and Wages	Cost of materials at works	Gross sell- ing value of products at works
		\$		\$	\$	\$
<u>1 9 4 2</u>						
Prince Edward Island	5	625,767	128	115,793	275,900	529,273
Nova Scotia ..	64	72,185,240	13,823	23,514,189	26,995,338	59,694,095
New Brunswick ..	36	17,140,874	4,285	7,179,144	5,805,840	17,454,306
Quebec	410	317,497,333	87,107	153,705,227	178,166,303	446,133,739
Ontario	1,049	903,994,790	204,759	363,366,242	691,284,500	1,354,797,857
Manitoba	84	35,188,008	10,457	16,766,744	14,003,543	38,467,226
Saskatchewan ..	31	4,564,342	1,324	2,243,524	3,812,401	6,170,238
Alberta	61	12,142,245	2,497	3,919,010	3,204,441	9,164,743
British Columbia and Yukon	191	82,876,418	36,529	68,521,028	62,411,971	180,410,760
CANADA	1,931	1,446,215,017	360,909	639,330,901	985,960,237	2,112,822,237
<u>1 9 4 3</u>						
Prince Edward Island	6	794,139	239	336,562	314,348	901,436
Nova Scotia ..	71	100,313,536	20,392	36,309,282	29,650,246	79,993,879
New Brunswick ..	37	18,336,234	4,824	8,725,990	5,599,072	18,930,490
Quebec	424	490,619,715	120,658	228,977,493	305,671,337	674,027,880
Ontario	1,119	1,040,217,975	222,680	429,810,324	689,611,416	1,480,540,197
Manitoba	85	36,722,558	10,478	18,131,628	15,837,538	41,933,150
Saskatchewan ..	30	8,606,535	2,124	3,683,719	5,425,127	10,065,800
Alberta	61	17,923,802	4,175	7,433,330	4,624,647	14,955,614
British Columbia and Yukon ...	211	138,971,558	50,174	99,975,356	75,124,277	254,628,101
CANADA	2,044	1,852,506,052	435,744	833,383,684	1,131,858,008	2,575,976,547