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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL & CHEMICAL BRANCH

THE WIRE AND WIRE GOODS INDUSTRY
IN
CANADA
1936



OTTAWA
1938

Price 15 cents

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

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ANNUAL INDUSTRY REPORT

IRON AND STEEL AND THEIR PRODUCTS GROUP

THE WIRE AND WIRE GOODS INDUSTRY, 1936.

This report presents statistics for the Wire and Wire Goods Industry which is a part of the iron and steel group and covers all establishments in Canada that were engaged chiefly in drawing iron and steel wire or in fabricating products from wire of iron or steel.

In 1936 there were 73 factories in this industry distributed by provinces as follows: Ontario, 43; Quebec, 17; British Columbia, 8; New Brunswick, 2; Nova Scotia, 1; and Manitoba, 2. In 1935 a total of 71 establishments reported in this group.

The average number of employees in 1936 was 3,806 of which 2,454 worked in plants in Ontario and 847 in Quebec. The 602 salaried employees were paid \$1,084,537 during the year and the 3,204 wage-earners were paid \$3,140,708, a total of \$4,225,245 for salaries and wages. In 1935 the number of employees was 3,477 and salaries and wages amounted to \$3,752,990.

Capital employed in 1936 was reported at \$25,729,266 of which \$16,682,962 represented the present value of lands, buildings and machinery, and \$9,046,304 the value of working capital such as inventories, cash, bills and accounts receivable, etc. About 57 per cent of this investment was in establishments in Ontario. In the previous year, 1935, the capital employed was given at \$24,346,325.

Factory sales in 1936 were valued at \$18,369,397 including plain and galvanized wire, barbed wire, wire fencing, wire nails, screws, wire cloth, wire rope, bale ties and such commodities. In 1935 the factory sales were reported at \$16,235,678 and in 1934 at \$14,684,561.

The 13 wire-drawing plants which operated in 1936 employed 2,552 workers to make goods valued at \$12,916,732 and the 60 establishments which were engaged only in fabricating wire goods employed 1,254 persons and made products worth \$5,452,665.

Imports of wire and wire goods of iron and steel amounted to \$2,605,565 in 1936, and exports were appraised at \$2,898,136.

TABLE 1 - PRINCIPAL STATISTICS OF THE WIRE AND WIRE GOODS INDUSTRY, 1921 - 1936.

Years	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of purchased materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
1921	44	17,009,872	2,988	3,215,234	319,835	7,455,336	14,784,891
1922	48	17,327,775	3,128	3,324,279	322,273	9,112,850	15,616,454
1923	48	18,388,722	3,313	3,782,605	608,810	10,722,141	19,991,525
1924	47	23,770,829	2,873	3,230,145	379,688	5,378,744	14,655,256
1925	52	19,015,655	2,996	3,451,405	399,065	7,329,688	16,223,924
1926	61	19,006,922	3,178	3,639,680	339,667	8,041,073	17,247,434
1927	58	23,595,273	3,154	3,736,677	363,772	7,453,352	16,725,865
1928	61	24,561,246	3,439	4,036,196	400,045	7,556,991	18,847,346
1929	60	37,528,215	4,190	5,094,656	490,349	9,777,818	21,647,273
1930	65	34,944,992	3,831	4,826,768	504,501	7,007,308	18,200,058
1931	67	28,665,440	3,417	3,761,808	473,909	5,291,121	14,191,850
1932	71	26,593,675	2,923	2,913,312	437,541	3,591,238	10,407,213
1933	72	28,667,338	2,724	2,678,413	434,115	3,332,040	10,511,900
1934	69	28,818,082	3,163	3,272,740	520,633	4,526,426	14,684,561
1935	71	24,346,325	3,477	3,752,990	522,386	5,075,080	16,235,678
1936	73	25,729,266	3,806	4,225,245	548,122	5,539,986	18,369,397

TABLE 2 - PRINCIPAL STATISTICS, BY SUB-GROUPS, 1935 and 1936.

Years	No. of plants	Capital employed	Average number of employees	Salaries and Wages	Cost of fuel and electricity at works	Cost of purchased materials at works	Gross selling value of products at works
1935 -		\$		\$	\$	\$	\$
Wire-drawing plants	14	18,464,564	2,325	2,507,707	447,578	2,848,827	11,393,522
Fabricating plants only	57	5,881,761	1,152	1,245,283	74,808	2,226,253	4,842,156
TOTAL.....	71	24,346,325	3,477	3,752,990	522,386	5,075,080	16,235,678
1936 -							
Wire-drawing plants....	13	19,375,433	2,552	2,821,203	462,563	3,005,350	12,916,732
Fabricating plants only	60	6,353,833	1,254	1,404,042	85,559	2,534,636	5,452,665
TOTAL.....	73	25,729,266	3,806	4,225,245	548,122	5,539,986	18,369,397

TABLE 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1935 and 1936.

Years	No. of plants	Capital employed	Average number of employees	Salaries and Wages	Cost of fuel and electricity at works	Cost of purchased materials at works	Gross selling value of products at works
1935 -		\$		\$	\$	\$	\$
Quebec.....	17	7,339,650	829	922,058	139,921	876,474	4,294,291
Ontario.....	41	14,131,714	2,205	2,301,948	295,190	3,190,917	8,782,023
British Columbia	9	1,216,980	127	158,269	11,706	590,344	988,767
Other provinces(x)	4	1,657,981	316	370,715	75,569	417,345	2,170,597
CANADA.....	71	24,346,325	3,477	3,752,990	522,386	5,075,080	16,235,678
1936 -							
Quebec.....	17	7,567,582	847	977,420	158,591	1,021,930	4,989,741
Ontario.....	43	14,719,117	2,454	2,661,452	303,335	3,432,636	9,836,840
British Columbia	8	1,352,373	131	163,982	12,301	615,369	1,038,832
Other provinces(x)	5	2,090,194	374	422,391	73,895	470,051	2,503,984
CANADA.....	73	25,729,266	3,806	4,225,245	548,122	5,539,986	18,369,397

(x) Includes data for 2 firms in New Brunswick, 1 in Nova Scotia, and 1 in Manitoba in 1935, and for 2 firms in New Brunswick, 1 in Nova Scotia and 2 in Manitoba in 1936.

TABLE 4 - CAPITAL EMPLOYED, BY PROVINCES, 1935 and 1936.

Provinces	Present value of lands, buildings, machinery and tools	Inventory value of materials on hand, stocks in process and finished products on hand	Operating capital (cash, bills and accounts receivable, pre- paid expenses, etc.	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
1935 -				
Quebec.....	5,213,814	1,232,236	893,600	7,339,650
Ontario.....	9,952,444	2,171,294	2,007,976	14,131,714
British Columbia.....	477,548	399,210	340,222	1,216,980
Other provinces.....	898,049	453,915	300,017	1,657,981
CANADA.....	16,541,855	4,262,655	3,541,815	24,346,325
1936 -				
Quebec.....	5,167,249	1,270,628	1,129,705	7,567,582
Ontario.....	10,138,120	2,207,055	2,373,942	14,719,117
British Columbia.....	505,124	448,941	398,308	1,352,373
Other provinces.....	872,469	747,124	470,601	2,090,194
CANADA.....	16,682,962	4,673,748	4,372,556	25,729,266

TABLE 5 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1936.

	Number of plants	Capital employed	Number of employees	Gross selling value of products at works
		\$		\$
1936 -				
(a) PRODUCTION				
Under \$5,000.....	15	141,514	32	45,814
\$5,000 to \$10,000.....	4	32,982	17	30,402
\$10,001 to \$25,000.....	13	204,931	75	187,152
\$25,001 to \$50,000.....	6	219,222	74	187,240
\$50,001 to \$100,000.....	8	757,411	154	564,466
\$100,001 to \$250,000.....	9	2,406,176	300	1,538,342
\$250,001 to \$500,000.....	9	4,146,158	666	3,517,804
\$500,001 to \$1,000,000...	4	4,925,617	814	2,975,514
Over \$1,000,000.....	5	12,895,255	1,674	9,322,663
TOTAL.....	73	25,729,266	3,806	18,369,397
(b) EMPLOYEES				
1 or 2.....	11	45,910	13	110,369
3 to 10.....	26	525,726	140	480,697
11 to 20.....	8	851,774	123	514,724
21 to 50.....	10	2,603,248	349	1,842,408
51 to 100.....	8	3,491,676	542	2,710,222
101 to 250.....	6	5,806,433	979	5,044,053
Over 250.....	4	12,404,499	1,660	7,666,924
TOTAL.....	73	25,729,266	3,806	18,369,397
(c) CAPITAL				
Under \$25,000.....	35	350,451	151	463,815
\$25,000 to \$100,000.....	10	614,540	168	530,943
\$100,001 to \$500,000.....	13	3,237,582	631	3,071,887
\$500,001 to \$1,000,000...	10	6,584,821	1,020	5,120,606
Over \$1,000,000.....	5	14,941,872	1,836	9,182,146
TOTAL.....	73	25,729,266	3,806	18,369,397

TABLE 6 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1935 and 1936.

Provinces	AVERAGE NUMBER OF EMPLOYEES				TOTAL	Salaries	Wages	TOTAL
	On salaries		On wages					SALARIES
	Male	Female	Male	Female				AND WAGES
1935 -						\$	\$	\$
Quebec.....	129	28	599	73	829	320,883	601,175	922,058
Ontario.....	225	89	1,702	189	2,205	549,142	1,752,806	2,301,948
British Columbia...	24	3	100	...	127	51,360	106,909	158,269
Other provinces....	17	1	298	...	316	28,110	342,605	370,715
CANADA.....	395	121	2,699	262	3,477	949,495	2,803,495	3,752,990
1936								
Quebec.....	137	35	616	59	847	317,581	659,839	977,420
Ontario.....	259	119	1,880	196	2,454	677,378	1,984,074	2,661,452
British Columbia...	26	4	101	...	131	54,945	109,037	163,982
Other provinces....	20	2	352	...	374	34,633	387,758	422,391
CANADA.....	442	160	2,949	255	3,806	1,084,537	3,140,708	4,225,245

TABLE 7 - WAGE-EARNERS, BY MONTHS, 1935 and 1936. (on the 15th of each month or the nearest representative date)

Months	1935			1936		
	Male	Female	TOTAL	Male	Female	TOTAL
January.....	2,548	248	2,796	2,806	257	3,063
February.....	2,651	276	2,927	2,863	266	3,129
March.....	2,617	279	2,896	2,871	264	3,135
April.....	2,676	272	2,948	2,871	262	3,133
May.....	2,730	273	3,003	2,964	266	3,230
June.....	2,689	269	2,958	2,936	248	3,184
July.....	2,610	256	2,846	2,875	235	3,110
August.....	2,574	244	2,818	2,911	223	3,134
September.....	2,687	257	2,944	2,905	219	3,124
October.....	2,849	273	3,122	3,073	249	3,322
November.....	2,860	262	3,122	3,146	268	3,414
December.....	2,830	262	3,092	3,154	288	3,442
AVERAGE.....	2,699	262	2,961	2,949	255	3,204

TABLE 8 - WAGE-EARNERS IN MONTHS OF HIGHEST EMPLOYMENT, GROUPED ACCORDING TO REGULAR HOURS WORKED PER WEEK (OVERTIME NOT INCLUDED) 1936.

(Since the month of highest employment was not the same for each company, the data which are given in this table are not for any particular month, and the total is greater than the highest monthly figure shown in the previous table.)

Regular hours worked per week	Number of wage-earners	Regular hours worked per week	Number of wage-earners
40 hours or less.....	153	51 - 53 hours....	288
41-43 hours.....	39	54 hours.....	95
44 hours.....	490	55 hours.....	740
45-47 hours.....	118	56-59 hours.....	246
48 hours.....	400	60 hours or over.	489
49-50 hours.....	551	Total.....	3,609

TABLE 9 - FUEL AND ELECTRICITY USED, 1935 and 1936.

Kinds	Unit of measure	1 9 3 5		1 9 3 6	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian.	short ton	11,558	\$ 58,167	11,450	\$ 56,471
Imported.	short ton	15,809	95,711	18,029	108,316
Anthracite coal.....	short ton	145	1,830	162	1,935
Coke.....	short ton	5,307	24,675	5,928	29,223
Gasoline.....	Imp.gal.	4,385	1,133	3,628	1,101
Kerosene.....	Imp.gal.	1,062	200	1,263	243
Fuel oil.....	Imp.gal.	86,899	6,725	116,595	8,110
Wood.....	cord	396	1,602	382	1,606
Gas - Manufactured (x).....	M cu. ft.	334,739	58,579	477,709	72,238
Natural.....	M cu. ft.	16,984	7,993	38,984	7,402
Other fuel.....	xxx	...	844	...	972
Electricity purchased.....	K. W. H.	32,059,161	264,927	30,345,827	260,505
TOTAL.....	xxx	...	522,386	...	548,122

(x) Includes some gas delivered to the wire mills from the companies' own coke ovens.

TABLE 10 - POWER EQUIPMENT, 1935 and 1936.

	1 9 3 5		1 9 3 6	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines.....	2	320	2	320
Gasoline, gas and oil engines.....	4	64	4	60
Total Primary Equipment.....	6	384	6	380
Electric motors run by purchased power..	1,006	16,141	1,104	15,461
TOTAL.....	1,012	16,525	1,110	15,841
Electric motors run by power generated by the establishment.....	22	573	35	783
Total Electric Motors.....	1,028	16,714	1,139	16,244
Boilers.....	41	4,595	36	4,307

TABLE - 11 MATERIALS USED IN MANUFACTURING, 1936.

Materials	Unit of measure	Materials made in producers' own works	Purchased Materials	
			Quantity	Cost at works
Iron and steel -				\$
Bars.....	short ton	428	393	22,069
Wire rods-basic open hearth.....	short ton	129,796	39,373	1,467,303
bessemer.....	short ton	...	113	4,376
other.....	short ton	7,517	24	3,118
Wire--plain.....	short ton	72,041	13,978	1,200,032
galvanized.....	short ton	14,368	6,404	514,456
other coated.....	short ton	54	2,260	312,938
Nail plate.....	lb.	1,250,928	...	...
Tack plate.....	lb.	1,523,263	1,766,367	58,006
Other iron and steel.....	...	...	...	286,239
Other metals-Copper bars, rods, sheets, etc..	lb.	66,000	600,108	74,596
Brass and bronze rods, sheets, etc.....	lb.	36,000	1,040,218	155,223
Lead.....	lb.	...	367,663	17,350
Tin.....	lb.	...	98,753	45,843
Zinc (spelter).....	lb.	...	3,782,272	166,431
All other metals.....	...	...	...	51,395
Other materials--Acid, muriatic, 20° Be.....	lb.	...	2,003,746	32,215
Acid, sulphuric, 66° Be...	lb.	...	12,025,306	97,153
Lumber.....	M ft.b.m.	...	1,450	57,747
Shipping containers.....	...	...	...	405,252
All other materials (specify main items)...	...	...	...	568,244
TOTAL.....	...	...	...	5,539,986

TABLE 12 - PRODUCTS MANUFACTURED, 1936.

NOTE -- Data for the items specified below represent, except where indicated by (x), the totals for Canada as well as for the wire and wire goods industry, according to returns to the Industrial Census for 1936. The mark (x) indicates that there was also a production in other industries (see footnote).

Products	Unit of measure	Quantity made	Quantity sold	Income from sales
<u>SECTION "A" - WIRES</u>				\$
(Total production, whether for sale or for further manufacture)				
Iron and Steel Wires -				
Plain wire.....	short ton	151,106	41,162	2,356,962
Galvanized wire.....	short ton	40,763	21,939	1,204,754
Other coated wire.....	short ton	5,436	4,175	471,876
Barbed wire.....	short ton	10,844	11,741	709,426
Cold rolled flat wire of all sizes, qualities and finishes...	short ton	1,403	997	130,117
Drawn welding rods or welding wire in coils, or in cut lengths, for gas or electric welding.....	short ton	1,312	1,226	162,563
Wire bale ties.....	short ton	4,975	4,897	365,964
<u>SECTION "B" - NAILS, STAPLES AND TACKS</u>				
Wire nails (all wire nails, including shoe rivets and other small sizes of wire nails).....	keg	1,186,847	1,222,343	3,922,333
Cut nails (all cut nails, and spikes cut from plate, including special large head cut shingle nails, but not including clout nails nor other small nails commonly classed as tacks.....	keg	15,495	15,816	99,883
Wire staples of all kinds.....	keg	30,955	35,566	141,152
Tacks (all cut and wire tacks, including hob nails, clout nails, trunk nails and other small cut nails, but not cut shingle nails)...	pound	2,719,207	2,618,509	300,598
<u>SECTION "C" - WIRE FENCING AND WIRE NETTING</u>				
Woven wire farm fence.....	short ton	9,793	8,910	726,983
Woven wire lawn fence.....	short ton	552	574	73,585
Woven wire chain link fabric.....	short ton	1,379	1,302	214,533
Woven wire poultry netting.....	short ton	1,132	1,132	228,784
Ornamental iron fencing.....	short ton	201	211	41,663
Steel fence posts.....	...	...	...	46,117
Gates.....	No.	13,785	13,309	66,098
Snow fence.....	short ton	1,142	1,147	92,534
Welded or woven wire mesh, for concrete reinforcement, or purposes other than fencing.....	short ton	138	138	27,225
Wire cloth of iron or steel including screen cloth.....	xxx	...	...	637,683

TABLE 12 - PRODUCTS MANUFACTURED, 1936. (concluded).

NOTE - Data for the items specified below represent, except where indicated by (x), the totals for Canada as well as for the wire and wire goods industry, according to returns to the Industrial Census for 1935. The mark (x) indicates that there was also a production in other industries (see footnote)

Products	Unit of measure	Quantity made	Quantity sold	Income from sales
SECTION "D" - WIRE GOODS				\$
Steel wire rope or cable (x).....	short ton	4,737	6,224	1,761,680
Twisted strand wire (including galvanized guy wire, wire clothes lines, twisted bed strand.....)	short ton	511	510	98,883
Steel hoops, other than wire for casks, barrels or kegs.....	M count	3,150	2,064	53,066
Steel wire hoops for casks, barrels or kegs.....	M count	...	...	7,347
Steel wire upholstering springs(x).....	xxx	...	...	136,676
Other steel wire springs (except bed-springs.....)	xxx	...	...	1,372,942
Wire shapes of all kinds.....	xxx	...	...	175,298
Miscellaneous wire goods (including wire lacing, hair pins, tire braids, wire kitchenware, paper clips, wire guards, display stands, etc.).....	xxx	...	...	1,113,014
SECTION "E" - PRODUCTS OTHER THAN WIRE AND WIRE GOODS				
Bolts and nuts, horseshoe calks, screws, perforated metals, etc....	xxx	...	...	1,629,658
TOTAL.....	xxx	...	...	18,369,397

NOTE - Preliminary figures for wire, wire nails and wire fencing were issued earlier in the year. The above data are as finally revised and in some instances are slightly different from preliminary figures.

(x) The total production in Canada of steel wire rope and cable, in 1936, was \$2,292,379.

TABLE 13 - PRODUCTION AND FACTORY SALES OF STEEL WIRE, 1933 - 1936.

Years	Wire, plain	Wire, galvanized	Wire, other coated	Wire barbed
1933 - Quantity made.....	Tons 87,225	24,315	3,923	8,799
Quantity sold.....	Tons 15,931	9,802	3,242	8,406
Income from sales.....	\$ 1,093,654	573,849	293,817	495,578
1934 - Quantity made.....	Tons 117,708	34,378	4,193	12,564
Quantity sold.....	Tons 28,254	14,864	3,475	11,781
Income from sales.....	\$ 1,665,718	914,006	326,746	711,286
1935 - Quantity made.....	Tons 146,434	41,543	4,987	14,167
Quantity sold.....	Tons 35,422	19,974	3,551	12,254
Income from sales.....	\$ 2,035,886	1,144,580	373,442	738,158
1936 - Quantity made.....	Tons 151,106	40,763	5,436	10,844
Quantity sold.....	Tons 41,162	21,939	4,175	11,741
Income from sales.....	\$ 2,356,962	1,204,754	471,876	709,426

NOTE - Figures on quantity made include the amounts made and used in subsequent processes in the same plants such as the manufacture of nails, screws, galvanized wire, etc.

TABLE 14 - PRODUCTION AND FACTORY SALES OF WIRE FENCING, 1933 - 1936.

Years	Quantity made	Quantity sold	Income from sales
	Tons	Tons	\$
1933 - Farm fence.....	5,510	6,045	515,604
Lawn fence.....	490	512	61,123
Chain link fabric.....	759	772	118,351
TOTAL for 1933.....	6,759	7,329	695,078
1934 - Farm fence.....	7,250	7,890	637,445
Lawn fence.....	450	595	68,836
Chain link fabric.....	828	968	152,768
TOTAL for 1934.....	8,528	9,453	859,049
1935 - Farm fence.....	8,618	8,313	680,169
Lawn fence.....	559	541	68,580
Chain link fabric.....	976	951	173,924
TOTAL for 1935.....	10,153	9,805	922,673
1936 - Farm fence.....	9,793	8,910	726,983
Lawn fence.....	552	574	73,585
Chain link fabric.....	1,379	1,302	214,533
TOTAL for 1936.....	11,724	10,786	1,015,101

TABLE 15 - PRODUCTION AND FACTORY SALES OF NAILS, TACKS AND STAPLES, 1933 - 1936.

Years	Wire staples	Wire nails and spikes	Wire and cut tacks	Cut nails
1933 - Quantity made	lb. 2,939,053	74,492,131	2,081,257	...
Quantity sold.....	lb. 3,015,026	74,336,418	1,917,597	851,047
Value of sales.....	\$ 108,642	2,498,894	259,443	45,994
1934 - Quantity made.....	lb. 4,165,900	106,241,700	2,110,102	1,233,800
Quantity sold.....	lb. 3,984,400	108,445,700	2,131,743	1,259,700
Value of sales.....	\$ 147,316	3,395,322	261,953	68,485
1935 - Quantity made.....	lb. 4,098,000	104,651,700	2,426,762	1,526,600
Quantity sold.....	lb. 4,075,900	104,529,200	2,385,665	1,499,100
Value of sales.....	\$ 151,552	3,348,810	285,139	99,371
1936 - Quantity made.....	lb. 3,095,500	118,684,700	2,719,207	1,549,500
Quantity sold.....	lb. 3,556,600	122,234,300	2,618,509	1,581,600
Value of sales.....	\$ 141,152	3,922,333	300,598	99,883

TABLE 16 - PRODUCTION OF STEEL WIRE ROPE AND CABLE, 1931 - 1936.

Years	Wire rope and cable	Twisted strands, clothes lines, etc.	TOTAL
	\$	\$	\$
1931.....	1,851,855	218,490	2,070,345
1932.....	1,136,549	162,057	1,298,606
1933.....	1,138,338	98,250	1,236,588
1934.....	1,818,861	84,544	1,903,405
1935.....	1,971,742	168,449	2,140,191
1936.....	2,292,379	98,883	2,391,262

TABLE 17 - PRODUCTION OF STEEL BALE TIES, 1931 - 1936.

Years	Quantity Made	Quantity Sold	Income from Sales
	lb.	lb.	\$
1931	7,096,511	7,166,350	281,327
1932	5,789,700	5,753,348	225,862
1933	6,995,804	7,133,939	276,805
1934	10,042,000	10,560,000	396,806
1935	8,732,000	8,746,000	335,263
1936	9,950,000	9,794,000	365,964

TABLE 18 - IMPORTS INTO CANADA AND EXPORTS OF WIRE AND WIRE GOODS, 1936.

(From "The Trade of Canada, Calendar Year 1935", published by the Dominion Bureau of Statistics at Ottawa)

Items	Quantity	Value
		\$
<u>IMPORTS</u>		
Wire of iron or steel:- barbed fencing, coated or not..cwt.	8,007	34,853
Wire of iron or steel, coated with zinc or spelter, curved or not, in coils .144 or .092 inch in diameter with tolerance not to exceed .004 inch, and not for use in telegraph or telephone lines.....cwt.	5,639	12,921
Wire of iron or steel, drawn flat or cold rolled flat after drawing, coated or not, n.o.p., not more than .25 inch in width and less than .1875 inch in thickness.....cwt.	421	5,560
Wire of iron or steel, coated with zinc or spelter, n.o.p.cwt.	8,263	20,104
Wire of iron or steel, single or several, covered with any material including cable so covered; coated, n.o.p.....xxx	...	19,768
Wire rope for use exclusively for rigging of ships and vessels.....cwt.	174	2,188
Wire of iron or steel, twisted, braided or stranded including wire rope or cable, coated or not, n.o.p.....xxx	...	213,098
Wire of steel, spring, not less than .40 per cent, by weight of carbon, .128, .116, .104 and .092 inch in diameter, with tolerance not to exceed .003 inch, for use exclusively in the manufacture of mattresses, cushions or upholstery.....cwt.	61	198
Wire of steel, flat or woven flat, including steel strip in the coil, coated or not; .064 inch in thickness or thinner with tolerance not to exceed .002 inch, for use exclusively in the manufacture of corset clasps, steels, wires and dress stays.....cwt.	3,326	49,557
Wire of iron or steel, valued at not less than 2 3/4 cents per pound, for use exclusively in the manufacture of wire rope.....cwt.	128,230	829,720
Wire of steel, single, not covered, in coils, for use exclusively in trolling in deep sea or inland commercial fishing operations.....xxx	...	1,806
Wire, steel, when imported by manufacturers of machine card clothing for use exclusively in the manufacture of machine card clothing in their own factories.....cwt.	76	2,416
Wire of iron or steel, coated with zinc or spelter, curved or not, in coils, not more than .144 inch and not less than .080 inch in diameter, with tolerance not to exceed .004 inch, when imported by manufacturers of barbed fencing wire or of wire fencing for use exclusively in the manufacture of barbed fencing wire or of wire fencing, in their own factories.....cwt.	914	2,618

TABLE 18 - IMPORTS INTO CANADA AND EXPORTS OF WIRE AND WIRE GOODS, 1936 - (concluded).

Items	Quantity	Value
<u>IMPORTS - concluded.</u>		
Wire of iron and steel, n.o.p. ....cwt.	17,007	\$ 171,351
Woven or wire fencing of iron or steel, from wire not more than .144 inch and not less than .080 inch in diameter with tolerance not to exceed .004 inch; wire fencing of iron or steel, coated or not, n.o.p. xx	...	7,713
Woven or welded wire fencing of iron or steel coated or not, n.o.p.; wire cloth or wire netting of iron or steel, coated or not. xx	...	90,332
Woven netting of iron or steel, coated, made from wire of 17 gauge or heavier with meshes not smaller than one inch and not larger than two inches, with specially strengthened joints, when for use exclusively on fur farms. xx	...	87,957
Wire screens, doors and windows. xx	...	4,202
Tacks of all kinds. lb.	27,093	8,332
Wire roofing nails of all sizes and wire nails one inch or more in length, of iron and steel, coated or not. ....cwt.	1,522	5,776
Wire nails less than one inch in length, and nails and brads, n.o.p., of iron and steel, coated or not. ....lb.	40,523	7,112
Pins, manufactured from wire of any metal, n.o.p. ....lb.	307,027	109,295
Spring beard and latch needles. M	2,060	26,884
Needles of any material or kind, n.o.p. ....xx	...	268,525
Furniture springs. ....xx	...	17,634
Wood screws of iron and steel. ....xx	...	9,047
Machine and other screws, n.o.p., iron and steel. ....xx	...	125,773
Brass wire, n.o.p. ....lb.	317,258	72,634
Wire cloth or woven wire of brass, n.o.p. ....xx	...	38,857
Copper wire, n.o.p. ....lb.	21,055	5,017
Copper wire cloth or woven wire of copper. ....xx	...	6,263
Wire of brass, zinc, iron or steel, screwed or twisted, flattened or corrugated, for use in connection with nailing machines to manufacture boots and shoes. ....lb.	46,474	4,884
Wire, single or several, covered with any material including cable so covered, n.o.p. ....xx	...	99,938
Wire, tinsel, for the manufacture of braids, cords, tassels, ribbons or trimmings. ....xx	...	30,637
Wire, twisted, braided or stranded, including wire rope and wire cable, coated or not, n.o.p. ....xx	...	27,918
Wire of all kinds, n.o.p. ....xx	...	156,546
Nails and tacks, brass and copper. ....xx	...	804
Screws, wood, machine or other, of brass, copper or other metal, n.o.p. ....xx	...	14,146
Cages, bird, squirrel and rat, of wire and metal parts thereof. ....xx	...	13,181
TOTAL IMPORTS OF WIRE AND WIRE GOODS. ....xx	...	2,605,565
<u>EXPORTS</u>		
Wire, barbed, of iron and steel. ....cwt.	44,319	134,882
Wire, woven fencing, of iron and steel. ....xx	...	40,571
Wire, other, of iron and steel, n.o.p. ....xx	...	950,660
Nails, wire. ....cwt.	122,284	325,718
Nails, brads, spikes and tacks of iron and steel, of all kinds, n.o.p. ....cwt.	103,378	358,462
Needles and pins of all kinds. ....xx	...	618,054
Copper wire and cable, insulated. ....xx	...	469,789
TOTAL EXPORTS OF WIRE AND WIRE GOODS. ....xx	...	2,898,136

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1936.

NOTE - This is not intended to be a complete list of concerns which manufacture wire and wire goods in Canada but is merely a list of the firms which the Bureau has classified to the Wire and Wire Goods Industry. This industry includes only the plants that manufactured wire or wire goods of iron or steel as their chief products. Producers of copper wire and cable for electrical purposes have been classified to the Electrical Apparatus and Supplies Industry.

Names of Firms

Location of Plants

NOVA SCOTIA

(x) Dominion Steel and Coal Corp. Ltd. Sydney

NEW BRUNSWICK

New Brunswick Wire Fence Co. Ltd. 402 Main St., Moncton
(x) Dominion Steel and Coal Corp. Ltd.
(James Pender & Co. Ltd) 320 Charlotte St., Saint John

QUEBEC

Anglo-Canadian Wire Rope Co. Ltd.	Fairview Ave., Lachine
Belanger, J.A.	Riviere Bleue
Canadian Staples Ltd.	1015 St. Alexander St., Montreal
(x) Canadian Tube & Steel Products Ltd.	5900 St. Patrick St., Montreal
Central Wire & Iron Works Co.	380 Dorchester St. W., Montreal
City Wire & Iron Products Co.	4215 Drolet St., Montreal
Dominion Wire Rope and Cable Co. Ltd.	St. Joseph St., Lachine
Gauthier Wire Works	1556 Sanguinet St., Montreal
General Wire Works	3842 St. Lawrence St., Montreal
Hump Hairpin Mfg. Co. of Canada, Ltd.	Ste. Anne St., St. Hyacinthe
Macdonald Metal Products Co. Ltd.	Taylor St., Waterloo
New York Wire Works Ltd.	1002 St. Dominique St., Montreal
(x) St. Lawrence Wire Co. Ltd.	2084 Moreau St., Montreal
Security Fence Co. Ltd.	2651 St. Catherine St. E., Montreal
Peck Rolling Mills Ltd.	851 Mill St., Montreal
(x) Steel Company of Canada, Ltd.	2320 Notre Dame St. W., Montreal
(x) Steel Company of Canada, Ltd.	75 St. Joseph St., Lachine
United Shoe Machinery Co. of Canada, Ltd.	2610 Bennett Ave., Montreal

ONTARIO

Andrews Wire Works of Canada Ltd.	Watford
Artcraft Shoppe	60 Colborne St., Toronto
Ayr Tack & Nail Co. Ltd.	Ayr
Brown Wire Specialty Co.	16 George St., Hamilton
Bull Dog Lacer Co. of Canada, Ltd.	81 Cannon St. W., Hamilton
Canada Tack and Nail Co. Ltd.	Morrisburg
Canada Wire and Iron Goods Co.	180 King William St., Hamilton
Capewell Manufacturing Co.	54 Duke St., Toronto
Cooper Bros. & Wilson	4 Kelvin Ave., Toronto
Dominion Tack & Nail Co. Ltd.	431 Dundas St., Galt
Empire Wire Works	35 Church St., Toronto
Ferrier Wire Goods Co.	22 Mulock Ave., Toronto
Fitzgerald-McAvoy Wire Goods	782 King St. W., Toronto

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1948
(concluded)

Names of Firms

Location of Plants

ONTARIO - Concluded.

(x) Frost Steel & Wire Co. Ltd.	250 Lottridge St. N., Hamilton
(x) Graham Nail & Wire Products, Ltd.	7 Fraser Ave., Toronto 2
(x) Greening, B., Wire Co. Ltd.	Queen and Napier Sts., Hamilton
Hamilton Wire Products Ltd.	11 Whitfield Ave., Hamilton
Hipkin & Sons	105 Simcoe St., Toronto
Isard Le Fèvre Mfg. Co. Ltd.	500 King St. W., Toronto 2
Keenan Fence Co.	17th St. E., Owen Sound
Key, W. R., & Co.	48 George St., Toronto
Kitchener Spring Co. Ltd.	34 Bridgeport Rd., Waterloo
(x) Laidlaw Bale Tie Co. Ltd.	Birmingham St., Hamilton
Lundy Steel Products, Ltd.	Dunnville
MacPherson, J. A.	Iona Station
National Standard Co. of Canada Ltd.	133 Woolwich St., Guelph
Ontario Ornamental Iron & Wire Works Co.	77 York St., (rear), Toronto
Port Hope Mat & Mfg. Co.	94 Cavan St., Port Hope
Rice, H. E., Wire Works	99 Spadina St., Toronto
(x) Robertson, P. L., Mfg. Co. Ltd.	Bronte St., Milton
Sarnia Fence Co. Ltd.	241 S. Christina St., Sarnia
Servos & Bateman	138 Ferguson Ave., N., Hamilton
(x) Steel Company of Canada, Ltd.	334 Wellington St. N., Hamilton
Steele Brothers Ltd.	121 Macdonnell St. E., Guelph
Steele's Wire Springs	33 Baker St., Guelph
Superior Wire Works	1216 Dundas St. W., Toronto
Tyler, W. S., Co. of Canada, Ltd.	Kensington Place, St. Catharines
Wallace Barnes Co. Ltd.	274 Sherman Ave. N., Hamilton
Waterloo Spring Co.	51 William St. E., Waterloo
Western Wire & Nail Co. Ltd.	100 St. George St., London
Wigham & Co.	Stoney Creek
Young, L.A., Industries of Canada, Ltd.	187 Geary Ave., Toronto, and 1025 McDougall Ave., Windsor

MANITOBA

Phoenix Mfg. Co. Ltd.	674 Tache St., St. Boniface
Stitchell Edward	514 Notre Dame St., Winnipeg

BRITISH COLUMBIA

Artistic Wire & Iron Works	336 First Ave. E., Vancouver
B. C. Anchor Fence Co. Ltd.	1031 Pender St. W., Vancouver
British Ropes Canadian Factory Ltd.	Granville Island, Vancouver
Clifford Wire Works	1217 Wharf St., Victoria
Industrial Wire & Iron Works	156 Fourth Ave. W., Vancouver
(x) Morrison Steel & Wire Co. Ltd.	Granville Island, Vancouver
Pacific Wire Ltd.	1004 Mainland St., Vancouver
Wrights' Canadian Ropes Ltd.	Granville Island, Vancouver

(x) Wire-drawing plants.

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