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DEPARTMENT OF TRADE AND COMMERCE

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CENSUS OF INDUSTRY

MINING, METALLURGICAL & CHEMICAL BRANCH

THE WIRE AND WIRE GOODS INDUSTRY

IN

CANADA

1937



OTTAWA
1939

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, 1937.

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 1937 there were 75 factories in this industry distributed by provinces as follows: Ontario, 42; Quebec, 20; British Columbia, 8; New Brunswick, 2; Nova Scotia, 1; and Manitoba, 2. In 1936 a total of 73 establishments reported in this group.

The average number of employees in 1937 was 4,536 of which 2,897 worked in plants in Ontario and 1,077 in Quebec. The 637 salaried employees were paid \$1,240,315 during the year and the 3,899 wage-earners were paid \$4,291,576, a total of \$5,531,891 for salaries and wages. In 1936 the number of employees was 3,806 and salaries and wages amounted to \$4,225,245.

Capital employed in 1937 was reported at \$27,633,569 of which \$16,979,016 represented the present value of lands, buildings and machinery, and \$10,654,553 the value of working capital such as inventories, cash, bills and accounts receivable, etc. About 56 per cent of this investment was in establishments in Ontario. In the previous year, 1936, the capital employed was given at \$ 25,729,266.

Factory sales in 1937 were valued at \$23,558,635 including plain and galvanized wire, barbed wire, wire fencing, wire nails, screws, wire cloth, wire rope, bale ties and such commodities. In 1936 the factory sales were reported at \$18,369,397 and in 1935 at \$16,235,678.

The 13 wire-drawing plants which operated in 1937 employed 2,902 workers to make goods valued at \$16,005,964 and the 62 establishments which were engaged only in fabricating wire goods employed 1,634 persons and made products worth \$7,552,671.

Imports of wire and wire goods of iron and steel amounted to \$3,622,596 in 1937, and exports were appraised at \$2,859,949.

TABLE 1 - PRINCIPAL STATISTICS OF THE WIRE AND WIRE GOODS INDUSTRY, 1926 - 1937.

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
		\$		\$	\$	\$	\$
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	16,725,868
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	26,533,675	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	16,235,078
1936	73	25,729,266	3,806	4,225,245	548,122	5,539,986	18,369,397
1937	75	27,633,569	4,536	5,531,891	602,503	7,976,821	23,558,635

% change 1937

from 1936 +2.7 + 7.4 +19.2 + 30.9 + 9.9 + 44.0 + 28.2

TABLE 2 - PRINCIPAL STATISTICS, BY SUB-GROUPS, 1936 and 1937.

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
		\$		\$	\$	\$	\$
1936 -							
Wire-drawing plants	13	19,275,433	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
1937 -							
Wire-drawing plants	13	20,316,156	2,902	3,561,955	507,554	4,286,169	16,005,964
Fabricating plants only.	62	7,317,413	1,634	1,979,936	94,949	3,690,652	7,552,671
TOTAL	75	27,633,569	4,536	5,531,891	602,503	7,976,821	23,558,635

TABLE 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1936 and 1937.

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
		\$		\$	\$	\$	\$
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	2,503,934
CANADA	73	25,729,266	3,806	4,225,245	548,122	5,539,986	18,369,397
1937 -							
Quebec	20	8,091,475	1,077	1,260,715	187,638	1,767,831	6,187,934
Ontario	42	15,569,736	2,897	3,534,759	320,210	4,712,181	12,928,443
British Columbia	8	1,404,111	160	207,028	14,992	875,191	1,415,979
Other provinces(x)	5	2,568,247	402	529,389	79,663	621,618	3,026,279
CANADA	75	27,633,569	4,536	5,531,891	602,503	7,976,821	23,558,635

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

TABLE 4 - CAPITAL EMPLOYED, BY PROVINCES, 1936 and 1937.

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
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
1937 -				
Quebec	5,290,272	1,932,690	868,513	8,091,475
Ontario	10,332,374	3,275,113	1,962,249	15,569,736
British Columbia ..	482,692	588,294	333,125	1,404,111
Other provinces	873,678	1,164,020	530,549	2,568,247
CANADA	16,979,016	6,960,117	3,694,436	27,633,569

TABLE 5 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1937.

	Number of plants	Capital employed \$	Number of employees	Gross Selling value of products at works \$
1937 -		\$		\$
(a) PRODUCTION				
Under \$5,000	12	55,899	24	29,452
\$5,000 to \$10,000	4	19,764	18	30,688
\$10,001 to \$25,000	17	330,899	122	267,418
\$25,001 to \$50,000	7	236,224	92	269,296
\$50,001 to \$100,000	4	334,198	90	292,948
\$100,001 to \$250,000	12	2,534,878	460	2,267,446
\$250,001 to \$500,000	4	1,869,809	339	1,563,513
\$500,001 to \$1,000,000	8	5,121,587	779	5,352,965
Over \$1,000,000	7	17,130,311	2,612	13,484,904
TOTAL	75	27,633,569	4,536	23,558,635
(b) EMPLOYEES				
1 or 2	10	33,117	15	23,205
3 to 10	24	377,116	139	506,777
11 to 20	10	627,550	145	555,843
21 to 50	9	1,829,134	295	1,608,016
51 to 100	11	4,671,271	795	4,776,685
101 to 250	5	5,366,612	714	4,174,425
Over 250	6	14,728,769	2,433	11,913,834
TOTAL	75	27,633,569	4,536	23,558,635
(c) CAPITAL				
Under \$25,000	34	313,225	182	422,552
\$25,000 to \$100,000	11	629,017	201	634,999
\$100,001 to \$500,000	15	4,016,157	739	3,814,276
\$500,001 to \$1,000,000	9	6,256,422	1,099	6,331,670
Over \$1,000,000	6	16,418,748	2,315	12,355,138
TOTAL	75	27,633,569	4,536	23,558,635

TABLE 6 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1936 and 1937.

Provinces	AVERAGE NUMBER OF EMPLOYEES				TOTAL	Salaries	Wages	TOTAL
	On salaries		On wages					SALARIES
	Male	Female	Male	Female				AND WAGES
1 9 3 6 -						\$	\$	\$
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	34,653	387,758	422,391
CANADA	442	160	2,949	255	3,806	1,084,537	3,140,708	4,225,245
1 9 3 7 -								
Quebec	146	40	828	63	1,077	339,930	920,785	1,260,715
Ontario	284	116	2,247	250	2,397	798,617	2,736,142	3,534,759
British Columbia.	26	4	130	...	130	61,322	145,106	207,028
Other provinces .	19	2	381	...	402	39,846	489,543	529,389
CANADA	475	162	3,586	313	4,536	1,240,315	4,291,576	5,531,891

TABLE 7 - WAGE-EARNERS, BY MONTHS, 1926 AND 1937. (on the 15th of each month or the nearest representative date)

	1 9 3 6			1 9 3 7		
	Male	Female	TOTAL	Male	Female	TOTAL
January	2,806	257	3,063	3,365	325	3,690
February	2,863	266	3,129	3,334	314	3,648
March	2,871	264	3,135	3,472	329	3,801
April	2,871	262	3,133	3,606	332	3,938
May	2,964	266	3,230	3,670	333	4,003
June	2,936	248	3,184	3,648	311	3,959
July	2,875	235	3,110	3,553	292	3,850
August	2,911	223	3,134	3,514	262	3,776
September	2,905	219	3,124	3,655	305	3,960
October	3,073	249	3,322	3,742	320	4,062
November	3,146	268	3,414	3,751	318	4,069
December	3,154	288	3,442	3,620	316	3,936
AVERAGE	2,949	255	3,204	3,586	313	3,899

TABLE 8 - REGULAR HOURS WORKED PER WEEK (OVERTIME NOT INCLUDED) 1936 AND 1937.

Regular hours worked per week	Per cent of wage-earners		Regular hours worked per week	Per cent of wage-earners	
	1936	1937		1936	1937
40 hours or less .	4.2	6.6	51 - 53 hours	8.0	14.5
41 - 43 hours	1.1	0.7	54 hours	2.6	1.6
44 hours	13.6	9.0	55 hours	20.5	20.5
45 - 47 hours ...	3.3	4.4	56 - 59 hours	6.3	2.2
48 hours	11.1	12.9	60 hours or over ..	13.5	4.6
49 - 50 hours	15.3	23.0			

TABLE 9 - FUEL AND ELECTRICITY USED, 1936 AND 1937.

Kinds	Unit of measure	1 9 3 6		1 9 3 7	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian	short ton	11,450	56,471	12,187	61,351
Imported	short ton	18,029	108,316	20,636	127,546
Anthracite coal	short ton	162	1,935	661	4,418
Coke	short ton	5,928	29,223	1,962	12,306
Gasoline	Imp.gal.	3,628	1,101	8,989	2,264
Kerosene	Imp.gal.	1,263	243	1,433	272
Fuel oil	Imp. gal.	116,535	8,110	145,962	10,801
Wood	cord	382	1,606	424	1,736
Gas - Manufactured (x)	M cu. ft.	477,709	72,238	340,308	61,856
Natural	M cu. ft.	38,984	7,402	79,327	23,979
Other fuel	xxx	...	972	...	1,392
Electricity purchased	K. W. H.	30,345,827	260,505	35,368,908	294,582
TOTAL	xxx	...	548,122	...	602,503

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

TABLE 10 - POWER EQUIPMENT, 1936 AND 1937.

	1 9 3 6		1 9 3 7	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	2	320	2	307
Gasoline, gas and oil engines	4	60	5	63
Total Primary Equipment	6	380	7	370
Electric motors run by purchased power.	1,104	15,461	1,308	17,918
TOTAL	1,110	15,841	1,315	18,288
Electric motors run by power generated by the establishment	35	783	33	943
Total Electric Motors	1,139	16,244	1,346	18,861
Boilers	36	4,307	34	4,044

TABLE 11 - MATERIALS USED IN MANUFACTURING, 1937.

Materials	Unit of measure	Materials made in producers' own works	Purchased Materials	
			Quantity	Cost at works
Iron and steel -				\$
Bars	short ton	523	493	33,708
Wire rods-basic open hearth	short ton	133,547	52,635	2,318,310
bessemer	short ton	...	778	30,678
other	short ton	8,121	...	...
Wire - plain	short ton	85,666	18,215	2,068,799
galvanized	short ton	18,142	5,220	548,379
other coated	short ton	250	4,044	383,325
Nail plate	lb.	1,417,578	85,533	9,532
Tack plate	lb.	1,704,602	2,544,467	88,030
Other iron and steel	...	...	...	333,855
Other metals -				
Copper bars, rods, sheets, etc.	lb.	...	727,470	114,264
Brass and bronze rods, sheets, etc.	lb.	...	1,501,053	265,768
Lead	lb.	...	659,632	44,882
Tin	lb.	...	94,141	51,941
Zinc (spelter)	lb.	...	6,050,855	358,095
All other metals	...	...	...	52,603
Other materials -- Acid, muriatic, 20° Bé	lb.	...	2,017,518	31,292
Acid, sulphuric, 66° Bé.	lb.	...	13,196,534	105,122
Lumber	M ft.b.m.	...	1,765	76,904
Shipping containers	..	...	...	455,201
All other materials	..	...	...	605,133
TOTAL	...	...	...	7,976,821

TABLE 12 - PRODUCTS MANUFACTURED, 1937.

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 1937. 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 "A" - WIRES				
(Total production, whether for sale or for further manufacture)				
Iron and Steel Wires				
Plain wire	short ton	171,230	38,939	2,838,008
Galvanized wire	short ton	46,589	21,422	1,622,986
Other coated wire	short ton	5,978	4,842	544,415
Barbed wire	short ton	12,643	12,781	860,213
Cold rolled flat wire of all sizes, qualities and finishes	short ton	1,927	1,469	199,415
Drawn welding rods or welding wire in coils, or in cut lengths, for gas or electric welding	short ton	1,754	1,619	237,781
Wire bale ties	short ton	5,932	6,315	509,011
SECTION "B" - NAILS, STAPLES AND TACKS				
Wire nails (all wire nails, including shoe rivets and other small sizes of wire nails)	Keg	1,247,984	1,202,246	4,386,569
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	18,772	17,448	128,347
Wire staples of all kinds	keg	33,383	34,275	147,418
Tacks (all cut and wire tacks, including hob nails, clout nails, trunk nails and other small cut nails, but not cut shingle nails)	pound	2,193,014	2,287,584	358,668
SECTION "C" - WIRE FENCING AND WIRE NETTING				
Woven wire farm fence	short ton	11,306	10,909	988,572
Woven wire lawn fence	short ton	650	516	77,153
Woven wire chain link fabric	short ton	1,736	1,746	333,417
Woven wire poultry netting	short ton	1,540	1,462	300,552
Ornamental iron fencing (x)	short ton	172	210	24,693
Steel fence posts .....	...	...	...	79,440
Gates	No.	18,700	17,240	122,196
Snow fence (x)	short ton	1,259	1,410	126,636
Welded or woven wire mesh, for concrete reinforcement, or purposes other than fencing (x)	short ton	500	471	76,351
Wire cloth of iron or steel, including screen cloth .....	...	...	...	805,761

TABLE 12 - PRODUCTS MANUFACTURED, 1937 - (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 1937. 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	8,652	8,709	2,490,720
Twisted strand wire (including galvanized guy wire, wire clothes lines, twisted bed strand)	short ton	1,483	1,454	293,285
Steel hoops, wire and other, for casks, barrels or kegs .....	...	...	...	64,634
Steel wire upholstering springs (including auto cushions) .....	...	...	...	1,252,890
Other steel wire springs (except bed-springs) .....	...	...	...	794,279
Wire shapes of all kinds (x) .....	...	...	...	207,001
Miscellaneous wire goods (including wire lacing, hair pins, tire braids, wire kitchenware, paper clips, wire guards, display stands, etc. ....)	...	...	...	1,414,963
SECTION "E" - PRODUCTS OTHER THAN WIRE AND WIRE GOODS				
Bolts and nuts, horseshoe calks, screws, perforated metals, etc. (x) .....	...	...	...	2,273,261
TOTAL .....	...	...	...	23,558,635

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 1937 was \$3,134,073; of welded or woven wire mesh \$447,696; and of snow fence \$ 188,313

TABLE 13 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF STEEL WIRE, 1936 - 1937.

Years	Wire, plain	Wire galvanized	Wire other coated	Wire, barbed
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	\$ 1,665,713	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
1937 - Quantity made	Tons 171,230	46,589	5,978	12,643
Quantity sold	Tons 38,939	21,422	4,842	12,781
Income from sales	\$ 2,838,008	1,622,986	544,415	860,213

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 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF WIRE FENCING, 1934 - 1937.

Years	Quantity made	Quantity sold	Income from sales
	Tons	Tons	\$
1934 - Farm fence	7,250	7,890	637,445
Lawn fence	450	595	68,336
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	73,535
Chain link fabric	1,379	1,302	214,533
TOTAL for 1936	11,724	10,786	1,015,101
1937 - Farm fence	11,306	10,909	988,572
Lawn fence	650	516	77,153
Chain link fabric	1,736	1,746	333,417
TOTAL for 1937	13,692	13,171	1,399,142

TABLE 15 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF NAILS, TACKS AND STAPLES, 1934 - 1937.

Years		Wire staples	Wire nails and spikes	Wire and cut tacks	Cut nails
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
1937 - Quantity made	lb.	3,338,300	124,798,400	2,193,014	1,877,200
Quantity sold	lb.	3,427,500	120,224,600	2,287,584	1,744,800
Value of sales	\$	147,418	4,386,569	358,668	128,347

TABLE 16 - TOTAL PRODUCTION IN CANADA (FROM ALL INDUSTRIES) OF STEEL WIRE ROPE AND CABLE, 1931 - 1937.

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
1937	3,134,073	293,285	3,427,358

TABLE 17 - TOTAL PRODUCTION IN CANADA AND FACTORY SALES OF STEEL BALE TIES, 1931-1937.

Years	Quantity Made Lb.	Quantity Sold Lb.	Income from Sales \$
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	276,305
1934	10,042,000	10,560,000	396,806
1935	8,732,000	8,746,000	335,263
1936	9,350,000	9,794,000	365,964
1937	11,864,000	12,630,000	509,011

TABLE 18 - IMPORTS INTO CANADA AND EXPORTS OF WIRE AND WIRE GOODS, 1937.

(From "The Trade of Canada, Calendar Year 1937", 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.	3,381	\$ 14,214
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	8,132	25,585
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 .1375 inch in thickness ... cwt.	401	4,751
Wire of iron or steel coated with zinc or spelter, n.o.p. cwt.	9,486	30,369
Wire of iron or steel, single or several, covered with any material including cable so covered; coated, n.o.p. ...	...	23,171
Wire rope for use exclusively for rigging of ships and vessels	144	1,565
Wire of iron or steel, twisted, braided or stranded including wire rope or cable, coated or not, n.o.p. ....	...	268,774
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. ...	...
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. 2,716	47,000
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. 208,640	1,392,535
Wire of steel, single, not covered, in coils, for use exclusively in trolling in deep sea or inland commercial fishing operations .....	...	2,796
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. 94	2,765
Wire of iron or steel, coated with zinc or spelter, curved or not, in coils, not more than .144 inch and not less than .030 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. 2,231	11,386
Wire of iron and steel, n.o.p.	cwt. 31,297	312,673

TABLE 18 - IMPORTS INTO CANADA AND EXPORTS OF WIRE AND WIRE GOODS, 1937 -(concluded).

Items	Quantity	Value
<u>IMPORTS - concluded</u>		\$
Woven or wire fencing of iron or steel, from wire not more than .144 inch and not less than .030 inch in diameter with tolerance not to exceed .004 inch; wire fencing of iron or steel, coated, or not, n.o.p. ....	...	7,771
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 ....	...	133,831
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 ....	...	83,992
Wire screens, doors and windows ....	...	8,356
Tacks of all kinds lb.	26,057	7,942
Wire roofing nails of all sizes and wire nails one inch or more in length, of iron and steel, coated or not cwt.	2,354	11,700
Wire nails less than one inch in length, and nails and brads, n.o.p., of iron and steel, coated or not lb.	63,157	11,063
Pins, manufactured from wire of any metal, n.o.p. lb.	343,224	121,634
Spring beard and latch needles M	2,481	36,315
Needles of any material or kind, n.o.p. ....	...	284,983
Furniture springs ....	...	24,641
Wood screws of iron and steel ....	...	17,911
Machine and other screws, n.o.p., iron and steel ....	...	155,582
Brass wire, n.o.p. lb.	357,177	99,174
Wire cloth or woven wire of brass, n.o.p. ....	...	32,985
Copper wire, n.o.p. lb.	37,576	6,831
Copper wire cloth or woven wire of copper ....	...	7,523
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.	52,682	6,148
Wire, single or several, covered with any material, including cable so covered, n.o.p. ....	...	149,621
Wire, tinsel, for the manufacture of braids, cords, tassels, ribbons or trimmings ....	...	37,201
Wire, twisted, braided or stranded, including wire rope and wire cable, coated or not, n.o.p. ....	...	32,340
Wire of all kinds, n.o.p. ....	...	168,362
Nails and tacks, brass and copper ....	...	4,133
Screws, wood, machine or other, of brass, copper or other metal, n.o.p. ....	...	20,417
Cages, bird, squirrel and rat, of wire and metal parts thereof ....	...	14,551
TOTAL IMPORTS OF WIRE AND WIRE GOODS ....	...	3,622,596
<u>EXPORTS</u>		
Wire, barbed, of iron and steel cwt.	33,201	108,300
Wire, woven fencing, of iron and steel ....	...	66,612
Wire, other, of iron and steel, n.o.p. ....	...	797,761
Nails, wire cwt.	158,125	469,968
Nails, brads, spikes and tacks of iron and steel, of all kinds, n.o.p. cwt.	71,330	291,517
Needles, of all kinds ....	...	688,957
Copper wire and cable, insulated ....	...	436,834
TOTAL EXPORTS OF WIRE AND WIRE GOODS ....	...	2,859,949

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1937.

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

Bostitch-Canada Ltd.

Confederation Building, Montreal

Canadian Staples Ltd.

504 St. Lawrence Blvd., Montreal

(x) Canadian Tube & Steel Products Ltd.

5900 St. Patrick Street, Montreal

Central Wire & Iron Works Co.

380 Dorchester St. W., Montreal

City Wire & Iron Products Co.

4215 Drolet Street, Montreal

Dominion Wire Rope and Cable Co. Ltd.

St. Joseph St., Lachine

General Wire Works

3342 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.

993 St. Lawrence Blvd., Montreal

Notre Dame Wire Works

1455 Notre Dame St. E., Montreal

Peck Rolling Mills Ltd.

851 Mill St., Montreal

(x) St. Lawrence Wire Co. Ltd.

2084 Moreau St., Montreal

Security Fence Co. Ltd.,

2651 St. Catherine St. E., Montreal

(x) Steel Company of Canada, Ltd.

2320 Notre Dame St. W., Montreal

(x) Steel Company of Canada, Ltd.

75 St. Joseph St., Lachine

Steele Heddle Co. of Canada, Ltd.

6259 Notre Dame St. E., Montreal

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.

700 Erie St., Stratford

Brown Wire Specialty Co.

12 George St., Hamilton

Bull Dog Lacer Co. of Canada, Ltd.

81 Cannon St. W., Hamilton

Canada Tack and Nail Co. Ltd.

Morrisburg

Cooper Bros. & Wilson

4 Kelvin Ave., Toronto

Dominion Tack & Nail Co. Ltd.

431 Dundas St., Galt

Donald Ropes & Wire Cloth Co.

180-186 King William St., Hamilton

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, 1937.
(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
Hollup Corporation Ltd.	107 Atlantic Ave., Toronto
Isard Le Fèvre Mfg. Co. Ltd.	500 King St. W., Toronto 2
Keenan Fence Co.	17th St. E., Owen Sound
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
(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
Windsor Fence & Wire Products	969 Howard Ave., Windsor
Young, L.A., Industries of Canada, Ltd.	187 Geary Ave., Toronto, and 1441 McDougall Ave., Windsor

MANITOBA

Phoenix Mfg. Co. Ltd.	674 Taché 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, Limited	1004 Mainland St., Vancouver
Wright's Canadian Ropes Ltd.	Granville Island, Vancouver

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