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DEPARTMENT OF TRADE AND COMMERCE
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MINING, METALLURGICAL & CHEMICAL BRANCH

THE WIRE AND WIRE GOODS INDUSTRY

IN

CANADA

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OTTAWA - CANADA

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ANNUAL INDUSTRY REPORT

IRON AND STEEL AND THEIR PRODUCTS

THE WIRE AND WIRE GOODS INDUSTRY, 1935.

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 1935 there were 71 factories in this industry distributed by provinces as follows: Ontario, 41; Quebec, 17; British Columbia, 9; New Brunswick, 2; Nova Scotia, 1; and Manitoba, 1. In 1934 a total of 69 establishments reported in this group.

The average number of employees in 1935 was 3,477 of which 2,205 worked in plants in Ontario and 829 in Quebec. The 516 salaried employees were paid \$949,495 during the year and the 2,961 wage-earners were paid \$2,803,495, a total of \$3,752,990 for salaries and wages. In 1934 the number of employees was 3,163 and salaries and wages amounted to \$3,272,740.

Capital employed in 1935 was reported at \$24,346,325 of which \$16,541,855 represented the present value of lands, buildings and machinery, and \$7,804,470 the value of working capital such as inventories, cash, bills and accounts receivable, etc. About 58 per cent of this investment was in establishments in Ontario. In the previous year, 1934, the capital employed was given at \$28,818,082.

Factory sales in 1935 were valued at \$16,235,678, including plain and galvanized wire, barbed wire, wire fencing, wire nails, screws, wire cloth, wire rope, bale ties and such commodities. In 1934 the factory sales were reported at \$14,684,561 and in 1933 at \$10,511,900.

The 14 wire-drawing plants which operated in 1935 employed 2,325 workers to make goods valued at \$11,393,522, and the 57 establishments which were engaged only in fabricating wire goods employed 1,152 persons and made products worth \$4,842,156.

Imports of wire and wire goods of iron and steel amounted to \$2,298,286 in 1935, and exports were appraised at \$2,842,875.

Table 1 - PRINCIPAL STATISTICS OF THE WIRE AND WIRE GOODS INDUSTRY, 1921 - 1935.

Years	No. of plants	Capital employed \$	Average number of em- ployees	Salaries and wages \$	Cost of fuel and electricity at works \$	Cost of purchased materials at works \$	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	19,991,528
1924	47	23,770,829	2,873	3,230,145	379,688	5,378,744	14,655,258
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	18,847,348
1929	60	37,528,215	4,190	5,094,656	490,349	9,777,818	21,647,272
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	10,407,212
1933	72	28,667,358	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

Table 2 - PRINCIPAL STATISTICS, BY SUB-GROUPS, 1934 and 1935.

Years	No. of plants	Capital employed \$	Average number of em- ployees	Salaries and wages \$	Cost of fuel and electricity at works \$	Cost of purchased materials at works \$	Selling value of products at works \$
<u>1 9 3 4 -</u>							
Wire-drawing plants	14	22,911,390	2,174	2,213,272	445,932	2,589,869	10,368,401
Fabricating plants							
only	55	5,906,692	989	1,059,468	74,701	1,936,557	4,316,180
TOTAL	69	28,818,082	3,163	3,272,740	520,633	4,526,426	14,684,581
<u>1 9 3 5 -</u>							
Wire-drawing plants	14	18,464,584	2,325	2,507,707	447,578	2,848,827	11,393,528
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

Table 3 - PRINCIPAL STATISTICS, BY PROVINCES, 1934 and 1935.

Years	No. of plants	Capital employed \$	Average number of em- ployees	Salaries and wages \$	Cost of fuel and electricity at works \$	Cost of purchased materials at works \$	Selling value of products at works \$
1934 -							
Quebec	15	8,219,653	736	713,327	158,280	854,705	4,016,012
Ontario	41	18,381,567	2,011	2,071,936	275,155	2,631,027	7,608,549
British Columbia ...	9	1,159,415	117	146,983	9,933	528,920	899,402
Other provinces (x) ..	4	1,057,447	299	340,494	77,265	511,774	2,160,598
CANADA	69	28,818,082	3,163	3,272,740	520,633	4,526,426	14,684,561
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

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

Table 4 - CAPITAL EMPLOYED, BY PROVINCES, 1934 and 1935.

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, prepaid expenses, etc. \$	TOTAL CAPITAL EMPLOYED \$
1934				
Quebec	6,040,592	1,416,834	762,227	8,219,653
Ontario	13,359,959	2,126,178	2,895,430	18,381,567
British Colum- bia	491,298	377,364	290,753	1,159,415
Other provinces	892,549	95,950	68,948	1,057,447
CANADA	20,784,398	4,016,326	4,017,358	28,818,082
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 Colum- bia	477,548	399,210	340,222	1,216,980
Other provinces	898,049	459,915	300,017	1,657,981
CANADA	16,541,855	4,262,655	3,541,815	24,346,325

Table 5 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1935.

	Number of plants	Capital employed \$	Number of employees	Selling value of products at works \$
(a) PRODUCTION				
Under \$5,000	11	50,159	18	30,102
\$5,000 to \$10,000	9	50,810	35	65,961
\$10,001 to \$25,000	12	197,674	84	192,693
\$25,001 to \$50,000	8	346,831	87	276,697
\$50,001 to \$100,000	5	711,860	121	368,339
\$100,001 to \$250,000	8	2,140,582	234	1,293,000
\$250,001 to \$500,000	10	4,419,865	663	3,582,072
Over \$500,000	8	16,428,544	2,235	10,426,814
TOTAL	71	24,346,325	3,477	16,235,678

Table 5 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1935. (concluded)

	Number of plants	Capital employed \$	Number of employees	Selling value of products at work \$
(b) EMPLOYEES				
1 or 2	10	46,421	14	30,382
3 to 10	26	427,010	143	472,265
11 to 20	8	1,161,526	118	606,835
21 to 50	9	2,466,503	330	1,921,861
51 to 100	8	2,752,568	422	1,958,595
101 to 250	6	6,318,806	956	5,560,658
Over 250	4	11,173,491	1,494	5,685,082
TOTAL	71	24,346,325	3,477	16,235,678
(c) CAPITAL				
Under \$25,000	33	252,084	143	353,220
\$25,000 to \$100,000	9	507,152	124	518,033
\$100,001 to \$500,000	17	4,601,735	694	3,520,418
\$500,001 to \$1,000,000	7	4,838,234	900	3,833,029
Over \$1,000,000	5	14,147,120	1,616	8,010,978
TOTAL	71	24,346,325	3,477	16,235,678

Table 6 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1934 and 1935.

Provinces	AVERAGE NUMBER OF EMPLOYEES					Salaries	Wages	TOTAL SALARIES AND WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				

Table 7 - WAGE-EARNERS, BY MONTHS, 1934 and 1935 (on the 15th of each month or the nearest representative date)

Months	1 9 3 4			1 9 3 5		
	Male	Female	TOTAL	Male	Female	TOTAL
January	2,264	208	2,472	2,548	248	2,796
February	2,426	216	2,642	2,651	276	2,927
March	2,530	235	2,765	2,617	279	2,896
April	2,556	269	2,825	2,676	272	2,948
May	2,687	254	2,941	2,730	273	3,003
June	2,588	217	2,805	2,689	269	2,958
July	2,493	201	2,694	2,610	236	2,846
August	2,413	206	2,619	2,574	244	2,818
September	2,455	205	2,660	2,687	257	2,944
October	2,497	206	2,703	2,849	273	3,122
November	2,551	204	2,755	2,860	262	3,122
December	2,314	212	2,526	2,830	262	3,092
AVERAGE	2,483	221	2,704	2,699	262	2,961

Table 8 - FUEL AND ELECTRICITY USED, 1934 and 1935.

Kinds	Unit of measure	1 9 3 4		1 9 3 5	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian	short ton	10,404	51,956	11,558	58,167
Imported	short ton	20,428	113,406	15,809	95,711
Anthracite coal	short ton	254	2,519	145	1,830
Coke	short ton	6,874	26,497	5,307	24,675
Gasoline	Imp. gal.	1,420	420	4,385	1,133
Kerosene	Imp. gal.	1,103	219	1,062	200
Fuel oil	Imp. gal.	96,421	7,227	86,899	6,725
Wood	cord	363	1,468	396	1,602
Gas - Manufactured (x)	M cu. ft.	285,347	48,004	334,739	58,579
Natural	M cu. ft.	19,463	8,945	16,984	7,993
Other fuel	xxx	...	600	...	844
Electricity purchased	K. W. H.	24,679,365	259,372	32,059,161	264,927
TOTAL	xxx	...	520,633	...	522,386

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

Table 9 - POWER EQUIPMENT, 1934 and 1935.

	1 9 3 4		1 9 3 5	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	8	400	2	320
Gasoline, gas and oil engines	2	42	4	64
Total Primary Equipment	10	442	6	384
Electric motors run by purchased power ..	997	17,321	1,006	16,141
TOTAL	1,007	17,763	1,012	16,525
Electric motors run by power generated by the establishment	27	631	22	573
Total Electric Motors	1,024	17,952	1,028	16,714
Boilers	38	5,165	41	4,595

Table 10 - MATERIALS USED IN MANUFACTURING, 1935.

Materials	Unit of measure	Materials made in producers' own works	Purchased Materials	
			Quantity	Cost at works
Iron and steel -				
Bars	short ton	377	508	25,780
Wire rods	short ton	125,987	39,429	1,438,469
Wire - plain	short ton	78,705	9,328	1,061,815
galvanized	short ton	21,221	7,224	520,923
other	short ton	597	1,703	254,591
Nail plate	lb.	670,000	...	...
Tack plate	lb.	1,923,011	1,344,022	40,205
Other iron and steel	xxx	...	...	327,113

Table 10 - MATERIALS USED IN MANUFACTURING, 1935. (concluded)

Materials	Unit of measure	Materials made in producers' own works	Purchased Materials	
			Quantity	Cost at
				works
				\$
Other metals				
Copper bars, rods, sheets, etc.....	lb.	...	437,359	47,322
Brass and bronze rods, sheets, etc..	lb.	...	917,741	125,086
Lead	lb.	...	445,203	17,926
Tin	lb.	...	95,025	47,896
Zinc	lb.	...	4,344,823	184,277
All other metals	xx	...	...	19,939
Other materials				
Acid, muriatic, 20° Be	lb.	...	2,370,068	40,813
Acid, sulphuric, 66° Be	lb.	...	9,978,706	90,608
Lumber	M ft.B.M.	...	1,307	46,415
Shipping containers	xx	...	...	341,507
All other materials	xx	...	...	444,395
TOTAL	xx	...		5,075,080

Table 11 - PRODUCTS MANUFACTURED, 1935.

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 "A" - WIRES

(Total production, whether for sale or for further manufacture)

Iron and Steel Wires -

Plain wire	short ton	146,434	35,422	2,035,886
Galvanized wire	short ton	41,543	19,974	1,144,580
Other coated wire	short ton	4,987	3,551	373,442
Barbed wire	short ton	14,167	12,254	738,158
Cold rolled flat wire of all sizes, qualities and finishes	short ton	1,018	677	87,065
Drawn welding rods or welding wire in coils, or in cut lengths, for gas or electric welding	short ton	1,132	1,092	132,313
Wire bale ties	short ton	4,366	4,373	335,263

SECTION "B" - NAILS, STAPLES AND TACKS

Wire nails (all wire nails, including shoe rivets and other small sizes of wire nails), keg		1,046,517	1,045,292	3,348,810
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	15,266	14,991	99,371
Wire staples of all kinds	keg	40,980	40,759	151,552
Tacks (all cut and wire tacks, including hob nails, clout nails, trunk nails and other small cut nails, but not cut shingle nails)	pound	2,426,762	2,385,665	285,139

Table 11 - PRODUCTS MANUFACTURED, 1935. (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 "C" - WIRE FENCING AND WIRE NETTING				
Woven wire farm fence	short ton	8,618	8,313	680,169
Woven wire lawn fence	short ton	559	541	68,580
Woven wire chain link fabric	short ton	976	951	173,924
Woven wire poultry netting and fence ..	short ton	1,207	1,210	210,345
Ornamental iron fencing	short ton	190	182	35,195
Steel fence posts	short ton	1,050	1,150	102,163
Gates	number	11,729	12,057	61,147
Welded or woven wire mesh, for concrete reinforcement, or purposes other than fencing (x)	short ton	150	149	24,168
Wire cloth of iron or steel including screen cloth	xxx	...	...	638,692
SECTION "D" - WIRE GOODS				
Steel wire rope or cable (x)	short ton	5,649	5,747	1,599,038
Twisted strand wire (including galvanized guy wire, wire clothes lines, twisted bed strand (x)	short ton	477	459	93,449
Steel wire hoops for casks, barrels or kegs	M count	1,753	753	7,418
Steel wire upholstering springs (x) ...	xxx	...	...	729,800
Other steel wire springs (except bed-springs)	xxx	...	...	490,417
Wire shapes of all kinds	xxx	...	...	173,596
Miscellaneous wire goods (including wire lacing, hair pins, tire braids, wire kitchenware, paper clips, wire guards, display stands, etc.)	xxx	...	...	803,492
SECTION "E" - PRODUCTS OTHER THAN WIRE AND WIRE GOODS				
Bolts and nuts, horseshoe calks, screws, perforated metals, etc.	xxx	...	...	1,612,506
TOTAL	xxx	...	...	16,235,678

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 welded or woven wire mesh for concrete reinforcement was \$84,605 in 1935 and of steel wire rope and cable, \$1,942,568, and of twisted strands, \$168,449.

Table 12 - PRODUCTION AND FACTORY SALES OF STEEL WIRE, 1929 - 1935.

Years		Wire, plain	Wire, galva- nized	Wire, other coated	Wire, barbed
1929	- Quantity made	Tons 155,680	42,290	6,207	12,659
	Quantity sold	Tons 39,458	22,182	5,299	10,376
	Income from sales	\$ 2,647,578	1,832,446	512,810	700,262
1930	- Quantity made	Tons 148,505	47,235	4,896	8,844
	Quantity sold	Tons 30,170	18,884	3,949	8,360
	Income from sales	\$ 2,007,276	1,381,815	393,689	535,131
1931	- Quantity made	Tons 110,866	31,290	4,015	4,372
	Quantity sold	Tons 21,278	13,172	3,439	6,233
	Income from sales	\$ 1,446,997	853,049	305,660	376,291
1932	- Quantity made	Tons 86,931	26,056	3,524	8,060
	Quantity sold	Tons 15,439	9,522	2,691	6,770
	Income from sales	\$ 1,079,958	602,541	251,299	411,202
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	495,678
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

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 13 - PRODUCTION AND FACTORY SALES OF WIRE FENCING, 1929 - 1935.

Years		Quantity made Tons	Quantity sold Tons	Income from sales \$
1929	.....	29,076	28,588	2,855,427
1930	.....	27,453	24,984	2,457,446
1931	.....	17,185	17,964	1,702,771
1932	.....	9,742	10,030	949,175
1933	- Farm fence	5,510	6,045	515,604
	Lawn fence (x)	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

(x) Includes some ornamental wire fencing.

Table 14 - PRODUCTION AND FACTORY SALES OF NAILS, TACKS AND STAPLES, 1929 - 1935.

Years		Wire staples	Wire nails and spikes	Wire and cut tacks	Cut nails
1929	Quantity made	lb. 5,581,206	123,310,135	3,302,918	NOT AVAILABLE
	Quantity sold	lb. 5,262,159	109,303,615	3,312,529	
	Value of sales	\$ 200,768	3,833,020	413,450	
1930	Quantity made	lb. 4,586,029	95,535,327	2,564,906	1,461,917
	Quantity sold	lb. 4,556,718	96,005,481	2,513,136	1,493,217
	Value of sales	\$ 175,564	3,337,002	328,284	80,924
1931	Quantity made	lb. 5,675,672	79,615,265	2,184,123	...
	Quantity sold	lb. 5,814,520	86,175,314	2,238,046	1,588,339
	Value of sales	\$ 146,011	2,976,732	289,437	80,274
1932	Quantity made	lb. 5,258,712	68,435,413	1,330,428	...
	Quantity sold	lb. 5,165,437	67,363,738	1,893,956	915,356
	Value of sales	\$ 117,615	2,239,121	238,656	46,564
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	106,445,700	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

Table 15 - PRODUCTION OF STEEL WIRE ROPE AND CABLE, 1929 - 1935.

Years	Wire rope and cable	Twisted strands, clothes lines, etc.	TOTAL
	\$	\$	\$
1929	2,912,002		2,912,002
1930	2,542,761		2,542,761
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	1,942,568	168,449	2,111,017

Table 16 - PRODUCTION OF STEEL BALE TIES, 1929 - 1935.

Years	Quantity Made	Quantity Sold	Income from Sales
	lb.	lb.	\$
1929	9,735,957	9,549,025	341,884
1930	8,827,312	8,818,174	335,545
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

Table 17 - IMPORTS INTO CANADA AND EXPORTS OF WIRE AND WIRE GOODS, 1935.

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

Items	Quantity	Value
		\$
IMPORTS		
Wire of iron or steel:- barbed fencing, coated or not ... cwt.	11,982	55,372
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.	1,459	4,184
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.	222	3,288
Wire of iron or steel, coated with zinc or spelter, n.o.p. cwt.	8,262	22,255
Wire of iron or steel, single or several, covered with any material including cable so covered; coated, n.o.p. xx	...	38,874
Wire of iron or steel, twisted, braided or stranded including wire rope or cable, coated or not, n. o. p. xx	...	113,487
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.	3,122	50,181
Wire of iron or steel, valued at not less than 2½ cents per pound, for use exclusively in the manufacture of wire rope cwt.	114,319	730,700
Wire of steel, single, not covered, in coils, for use exclusively in trolling in deep sea or inland commercial fishing operations xx	...	2,601
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.	29	746
Wire of iron and steel, n. o. p. cwt.	12,786	165,343
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	...	7,192
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	...	95,639
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	...	71,734
Wire screens, doors and windows xx	...	3,686
Tacks of all kinds lb.	23,982	7,306
Wire roofing nails of all sizes and wire nails one inch or more in length, of iron and steel, coated or not cwt.	2,426	8,356
Wire nails less than one inch in length, and nails and brads, n. o. p., of iron and steel, coated or not lb.	43,410	6,802
Pins, manufactured from wire of any metal, n. o. p. lb.	321,558	116,072
Spring beard and latch needles M	2,527	27,654
Needles of any material or kind, n. o. p. xx	...	227,211
Furniture springs xx	...	17,384
Wood screws of iron and steel xx	...	4,596

Table 17 - IMPORTS INTO CANADA AND EXPORTS OF WIRE AND WIRE GOODS, 1935 (concluded).

Items	Quantity	Value
		\$
<u>IMPORTS - concluded.</u>		
Machine and other screws, n. o. p., iron and steel	xx ...	103,928
Brass wire, n. o. p.	1b. 420,637	91,200
Wire cloth or woven wire of brass, n. o. p.	xx ...	27,055
Copper wire, n. o. p.	1b. 16,271	5,566
Copper wire cloth or woven wire of copper	xx ...	3,242
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	1b. 14,036	1,950
Wire, single or several, covered with any material including cable so covered, n. o. p.	xx ...	102,022
Wire, tinsel, for the manufacture of braids, cords, tassels, ribbons or trimmings	xx ...	34,457
Wire, twisted, braided or stranded, including wire rope and wire cable, coated or not, n. o. p.	xx ...	17,718
Wire of all kinds, n. o. p.	xx ...	102,799
Nails and tacks, brass and copper	xx ...	1,531
Screws, wood, machine or other, of brass, copper or other metal, n. o. p.	xx ...	13,037
Cages, bird, squirrel and rat, of wire and metal parts, thereof	xx ...	15,138
TOTAL IMPORTS OF WIRE AND WIRE GOODS	xx ...	2,298,286
<u>EXPORTS</u>		
Wire, barbed, of iron and steel	cwt. 46,413	134,762
Wire, woven fencing, of iron and steel	xx ...	43,017
Wire, other, of iron and steel, n. o. p.	xx ...	857,870
Nails, wire	cwt. 141,272	381,665
Nails, brads, spikes and tacks of iron and steel, of all kinds, n. o. p.	cwt. 78,480	301,720
Needles and pins of all kinds	xx ...	654,289
Copper wire and cable, insulated	xx ...	469,552
TOTAL EXPORTS OF WIRE AND WIRE GOODS	xx ...	2,842,875

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1935.

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.

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>NOVA SCOTIA</u>	
(x) Dominion Steel and Coal Corp. Ltd.	Sydney
<u>NEW BRUNSWICK</u>	
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

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1935. (continued)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>QUEBEC -</u>	
Anglo-Canadian Wire Rope Co. Ltd.	Fairview Ave., Lachine
Canadian Staples Ltd.	1015 St. Alexander St., Montreal
(x) Canadian Tube & Steel Products Ltd.	5900 St. Patrick St., Montreal
Central Wire & Iron Works Co.	1158 St. Urbain St., Montreal
City Wire & Iron Products Co.	4215 Drolet St., Montreal
Dominion Wire Rope 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
(x) New York Wire Works Ltd.	1003 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
<u>ONTARIO -</u>	
Andrews Wire Works of Canada	Watford
Artcraft Shoppe	60 Colborne St., Toronto
Brown Wire Specialty Co.	10 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 Horse Nail Co	54 Duke St., Toronto
Cooper Bros. & Wilson	305 King St. E., Toronto
Dominion Tack & Nail Co.	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
(x) Frost Steel & Wire Co. Ltd.	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 Pevre 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., 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

DIRECTORY OF FIRMS IN THE WIRE AND WIRE GOODS INDUSTRY IN CANADA, 1955 (concluded)

<u>Names of Firms</u>	<u>Location of Plants</u>
<u>ONTARIO</u> -- concluded.	
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 Ave., St. Catharines
Wallace Barnes Co. Ltd.	274 Sherman Ave. N., Hamilton
Waterloo Spring Co.	51 William St., Waterloo
Western Wire & Nail Co. Ltd.	100 St. George St., London
Wigham & Co.	Stoney Creek
Young, L. A., Industries of Canada, Ltd.	1025 McDougall Ave., Windsor
<u>MANITOBA</u> --	
Phoenix Mfg. Co. Ltd.	674 Tache St., St. Boniface
<u>BRITISH COLUMBIA</u> --	
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
Freeman & Son	137 Powell St., Vancouver
Industrial Wire & Iron Works	156 Fourth Ave. W., Vancouver
Morrison Steel & Wire Co. Ltd.	Granville Island, Vancouver
Pacific Wire Ltd.	1250 Richards St., Vancouver
Wrights Canadian Ropes Ltd.	Granville Island, Vancouver

(x) Wire-drawing plants.

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