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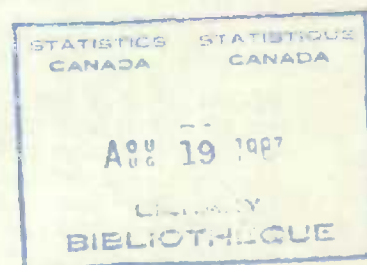
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CANADA

THE WIRE AND WIRE GOODS INDUSTRY 1958



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PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries classified to the **Iron and Steel Products** Major Group are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A — Annual

M — Monthly

S.C. — Special Compilation

Catalogue number	Title	Price
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or to the Queen's Printer, Ottawa, Canada.*

EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1958 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1958, are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies

for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value Added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished

goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Short Forms

Prior to 1949 all manufacturing firms, regardless of size, were required to complete a standard form annually covering all census details, but for later years an effort was made to ease the reporting burden for smaller firms which usually do not maintain regular records in the required detail. A modified or short form was introduced in 1949 asking for the total value of shipments only, or in industries with a large number of small firms, for total value of shipments and quantities and values of a few principal products. Using the ratio of value of shipments in the current year to value of shipments in the base year, 1948, estimates of other census data were made for each plant for inclusion in the regular compilations. In general, the cut-off point for short forms was set at \$50,000 gross value of shipments annually, but there were lower cut-offs for a number of industries in which the small firms accounted for a larger share of total shipments. About 40 per cent of the total number of establishments reported on the modified or short form. They accounted for less than 3 per cent of the total value. In 1958, to establish a new base year, the small firms were again asked to report data on employees, salaries and wages, and other principal statistics together with some detail on material and products.

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

WIRE AND WIRE GOODS INDUSTRY

1958

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 engaged chiefly in drawing iron and steel wire or in fabricating products from wire.

In 1958 the 150 factories in this industry were distributed, by provinces, as follows: Ontario, 79; Quebec, 39; British Columbia, 17; Alberta, 6; New Brunswick, 3; Manitoba, 3; Newfoundland, 2 and Nova Scotia 1.

Factory shipments in 1958 were valued at \$148,798,469, including plain and galvanized wire, barbed wire, wire fencing, wire nails, tacks, staples, screws, wire cloth, wire rope, bale ties, upholstering springs and other such commodities. In 1957 the factory shipments were reported at \$151,238,354 and in 1956 at \$160,458,338.

The 14 wire drawing plants which operated in 1958 employed 3,988 persons and the 136 establishments engaged only in the fabrication of wire goods had 5,231 workers. Shipments from the wire drawing plants were valued at \$79,451,099 and from the fabricating plants at \$69,347,370.

The total number of employees in all plants in 1958 was 9,219 of whom 5,487 were in Ontario and 2,964 in Quebec. Payments to the 2,096 salaried workers totalled \$10,952,811 and the 7,123 wage-earners were paid \$27,260,761, a total for salaries and wages of \$38,213,572. The 1957 payments amounted to \$39,359,509 and were paid to 9,832 employees.

Note: Prior to 1954, the cost of companies' "own make" materials such as wire rods, bars, nail and tack plate, etc., transferred from other departments or plants was not included in the total cost of materials used in the Wire and Wire Goods Industry. At the same time, of course no value was placed on shipments of these materials by the producing industry group. The normal practice for statistical purposes has been to consider shipments of this kind from one industry group to another as part of total sales of the producing industry and as materials by the consuming industry. The special treatment of companies' "own make" materials, therefore, constituted an exception which has affected the calculation of "value added" for the producing industry, in this case, the Primary Iron and Steel Industry, as well as the Wire and Wire Goods Industry which actually consumed these materials.

In order to bring the treatment of "own make" materials in line with usual statistical procedures, firms in 1954 and later years were asked to apply a value to such materials transferred to own fabricating plants and to include same in the total value reported as "Factory Shipments" by the producing industry and as "Materials" by the consuming industry. The effect on the Wire and Wire Goods Industry in 1954 and later years has been to increase the total cost of materials with, of course, a corresponding decline in the "value added" figure. For this reason, "value added" and "cost of materials" data shown in this report for 1954 and later years are not comparable with previous years—see Tables 1, 2, 5, 12 and 13 and footnote to Table 2.

TABLE 1. Principal Statistics of the Wire and Wire Goods Industry, Significant Years 1929 - 58, and by Provinces, 1957 and 1958

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost at plant of materials used ¹	Value added by manufacture ²	Gross selling value of factory shipments
	number				dollars		
1929	60	4,190	5,094,656	490,349	9,777,818	11,379,106	21,647,273
1932	71	2,923	2,913,312	437,541	3,591,238	6,378,434	10,407,213
1937	75	4,536	5,531,891	602,503	7,976,821	14,979,311	23,558,635
1939	76	4,523	5,684,938	621,476	7,262,999	17,178,904	25,063,379
1942	78	6,877	10,625,721	824,176	13,704,549	28,173,933	42,702,658
1946	97	6,140	11,130,686	893,986	12,528,160	26,711,743	40,133,889
1949	102	7,206	18,454,608	1,159,690	23,729,156	46,545,237	71,434,083
1954	126	8,731	29,771,559	1,646,036	55,200,513	50,235,245	105,900,500
1955	125	9,261	34,301,474	1,770,748	68,537,562	59,514,629	130,457,880
1956	133	10,195	39,801,217	2,136,471	89,906,441	72,529,912	160,458,338
1957							
Newfoundland	2	381	879,372	73,956	2,142,425	1,696,105	3,961,533
Nova Scotia	1						
New Brunswick	3	98	310,915	26,743	626,130	452,098	1,146,017
Quebec	36	3,037	12,030,295	687,653	27,131,666	20,564,157	47,998,835
Ontario	77	5,967	24,431,236	1,297,981	47,685,689	41,846,020	89,934,431
Manitoba	3	24	56,307	2,075	23,380	140,782	166,477
Alberta	4	22	97,198	7,547	276,958	339,245	638,363
British Columbia	15	403	1,554,186	65,030	3,766,547	3,615,039	7,392,698
Canada	141	9,832	39,359,509	2,160,985	81,652,795	68,653,446	151,238,354
1958							
Newfoundland	2	226	942,518	60,143	2,550,397	1,484,938	4,130,722
Nova Scotia	1						
New Brunswick	3	100	326,108	28,244	826,882	466,544	1,367,266
Quebec	39	2,964	11,876,721	658,659	28,301,394	19,027,497	48,501,134
Ontario	79	5,487	23,284,214	1,218,946	46,597,699	37,796,510	86,556,735
Manitoba	3	21	59,554	5,163	62,405	93,036	161,077
Alberta	6	33	148,412	8,127	744,851	430,081	1,185,475
British Columbia	17	388	1,576,045	81,910	3,552,298	3,368,128	6,896,060
Canada	150	9,219	38,213,572	2,061,192	82,635,926	62,666,734	148,798,469

¹ See note to text.

² See footnote 2 to Table 2.

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

TABLE 2. Principal Statistics, by Sub-Groups, 1957 and 1958

Year	Estab- lish- ments	Em- ployees	Salaries and Wages	Cost of fuel and electricity at works	Cost at plant of materials used ¹	Value added by manufacture ²	Gross selling value of shipments at works
	number				dollars		
1957							
Wire-drawing plants	15	4,238	18,755,353	1,448,984	49,943,701	22,565,618	73,446,679
Fabricating plants only	126	5,594	20,604,156	712,001	31,709,094	46,087,828	77,791,675
Totals	141	9,832	39,359,509	2,160,985	81,652,795	68,653,446	151,238,354
1958							
Wire-drawing plants	14	3,988	18,351,480	1,345,688	51,068,779	25,437,434	79,451,099
Fabricating plants only	136	5,231	19,862,092	715,504	31,567,147	37,229,300	69,347,370
Totals	150	9,219	38,213,572	2,061,192	82,635,926	62,666,734	148,798,469

¹ See note to text.

² Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in the finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

TABLE 3. Inventories,¹ 1958

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Quebec.....	6,117,137	343,899	5,313,214	11,774,250
Ontario.....	10,514,922	1,521,884	9,872,178	21,908,984
British Columbia	1,361,699	99,432	1,026,373	2,487,504
Other provinces	454,614	153,210	832,342	1,440,166
Canada.....	18,448,372	2,118,425	17,044,107	37,610,904
Closing:				
Quebec.....	6,058,881	350,342	4,793,187	11,202,410
Ontario.....	9,775,772	1,715,479	8,735,003	20,226,254
British Columbia	1,104,135	159,894	1,072,187	2,336,216
Other provinces	424,937	146,242	755,581	1,326,760
Canada.....	17,363,725	2,371,957	15,355,958	35,091,640

¹ (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Wire and Wire Goods Industry for the year under review are shown in the above table.

(c) The opening inventory for 1958 does not necessarily agree with the closing inventory for 1957, because of the addition of new plants, the transfer of plants to other industries and plants going out of business, etc. However, the value added figures for the previous year have not been recalculated to allow for the changes mentioned above.

TABLE 4. Products of the Wire and Wire Goods Industry, 1958

Product	Quantity made	Quantity shipped	Value of factory shipments
			\$
Section "A" - Wires			
(Total production, whether for sale or for further manufacture)			
Iron and steel wires:			
Plain wire (including welding wire but not welding rods)..... net ton	305,733	114,843	21,741,095
Galvanized wire	56,328	28,210	6,898,132
Other coated wire.....	2,397	2,148	642,017
Barbed wire.....	4,649	4,588	854,878
Cold-rolled flat wire of all sizes, qualities and finishes, including nut steel	1	1,534	550,741
Wire bale ties	3,430	3,557	989,382
Section "B" - Nails, Staples and Tacks			
Wire nails, iron and steel (all wire nails, including shoe rivets and other small sizes of wire nails)..... keg	1,659,325	1,658,129	16,364,801
Wire staples, iron and steel, of all kinds.....	27,219	25,861	300,423
Tacks, all kinds (all cut and wire tacks, including hob nails, clout nails, trunk nails and other small cut nails, but not cut shingle nails)..... lb.	2,219,474	2,356,440	880,264
Miscellaneous, including thumb tacks, upholstery nails, brass and copper nails, cut nails, aluminum nails and staples for paper stitching .....	...	...	1,539,810
Section "C" - Wire Fencing and Wire Netting			
Woven wire farm fence, steel..... ton	..	13,390	2,933,424
Woven wire lawn fence, steel.....	..	1,432	370,561
Woven wire chain link fabric, steel (including tonnage for industrial fences).....	..	7,135	1,863,531
Steel fence posts .....	..	4,313	677,005
Gates	No.	35,419	775,688
Snow fence .....	..	..	145,251
Welded or woven wire mesh, steel, for concrete reinforcement, or purposes other than fencing..... ton	..	30,942	6,513,504
Wire cloth:			
Fourdrinier wire cloth .....	..	..	10,072,508
Other wire cloth, including insect wire screening-steel, including stainless steel .....	...	...	3,200,011
Non-ferrous metal.....	..	..	969,644
Miscellaneous fencing and netting .....	..	..	386,811

See footnotes at end of table.

TABLE 4. Products of the Wire and Wire Goods Industry, 1958 - Concluded

Product	Quantity made	Quantity shipped	Value of factory shipments
			\$
Section "D" - Wire Goods			
Steel wire rope or cable	ton	1	22,029
Twisted strand wire (including galvanized guy wire, wire clothes-lines, twisted bed strand)	"	1	6,636
Steel hoops, wire and other, for casks, barrels or kegs .....	..	..	..
Steel wire upholstering springs and constructions .....	..	..	10,396,479
Other steel wire springs (except bed springs) .....	..	..	4,050,103
Miscellaneous wire goods (including wire lacing, hairpins, tire braids, wire paper clips, wire guards, welding rods, etc.) .....	...	...	18,651,505
Section "E" - Fasteners and Miscellaneous			
Bolts and nuts, horseshoe calks, screws, perforated metals, etc. ....	..	..	18,110,168
Amount received for repair and custom work .....	...	...	602,300
Totals .....	...	...	148,798,469

¹ Not collected under this heading after 1951.

Note: Data given in the above table are for the Wire and Wire Goods Industry, which includes only the concerns engaged chiefly in drawing iron and steel wire or in fabricating products from wire. Figures for the individual items do not necessarily represent the total output for Canada as there may also have been an output by concerns classified to other industrial groups. See Tables 6-11 for total production in Canada of certain specified items.

TABLE 5. Materials¹ Used in the Wire and Wire Goods Industry, 1958

Material	Companies' own-make materials transferred from other departments or plants		Purchased materials and supplies	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Iron and steel:				
Bars	ton	13,303	1,573,898	1,656
Wire rods	"	174,320	22,918,172	147,667
Wire:				
Plain	"	261	50,179	59,828
Galvanized	"	8	2,177	21,023
Sheets	"	474	80,295	4,120
Strips	"	510	98,801	4,213
Pipe and tubing		—	1,102,270	—
Nail and tack plate	lb.	1,836,707	153,726	1,770,400
Other iron and steel		—	10,808	—
Stainless steel:				
Wire	lb.	—	—	324,610
Other forms	"	—	—	623,676
Non-ferrous metals:				
Aluminum:				
Castings	"	—	—	66,238
Sheet	"	—	—	179,741
Other forms	"	—	—	913,427
Brass and bronze	"	—	—	4,889,463
Copper:				
Sheet	"	—	—	44,242
Wire	"	—	—	147,046
Other forms	"	—	—	118,411
Lead	"	—	—	798,186
Tin	"	—	—	20,324
Zinc	"	—	—	8,313,558
All other non-ferrous metals		—	—	—
Acid, muriatic	lb.	—	—	2,483,442
Acid, sulphuric, 100%	"	1,570,000	28,596	16,364,780
Shipping containers and packing materials		—	—	—
All other materials		—	53,239	—
Total own-make materials		26,072,161	—	—
Total purchased materials		—	—	56,563,765
Total all materials		—	—	82,635,926

¹ See note to text.

TABLE 6. Total Production and Factory Sales of Steel Wire, 1954 - 58

Year		Plain wire	Galvanized wire	Barbed wire	Wire other coated
1954					
Quantity made	ton	254,922	60,560	7,947	1,666
Quantity sold	"	89,636	28,585	8,033	1,567
Income from sales	\$	13,943,424	6,076,003	1,220,068	451,936
1955					
Quantity made	ton	316,593	70,769	9,531	1,930
Quantity sold	"	114,718	34,568	9,101	1,936
Income from sales	\$	18,574,703	7,422,495	1,385,553	576,899
1956					
Quantity made	ton	366,486	73,154	6,671	2,121
Quantity sold	"	144,804	38,929	6,849	2,154
Income from sales	\$	25,302,207	8,717,868	1,168,052	673,724
1957					
Quantity made	ton	290,881	53,986	4,211	1,730
Quantity sold	"	127,029	28,935	4,443	1,958
Income from sales	\$	23,541,071	7,381,381	806,212	614,170
1958					
Quantity made	ton	305,733	56,328	4,649	2,397
Quantity sold	"	114,843	28,210	4,588	2,148
Income from sales	\$	21,741,095	6,898,132	854,878	642,017

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

TABLE 7. Total Production and Factory Sales of Steel Wire Fencing, 1954 - 58

Year	Quantity sold	Income from sales
	net ton	\$
1954		
Farm fence	12,431	2,548,615
Lawn fence	1,313	353,653
Chain link fabric	4,147	1,181,418
Totals	17,891	4,083,686
1955		
Farm fence	13,841	2,826,284
Lawn fence	1,292	353,216
Chain link fabric	5,311	1,632,303
Totals	20,444	4,811,803
1956		
Farm fence	12,968	2,631,760
Lawn fence	1,457	400,447
Chain link fabric	5,877	1,621,596
Totals	20,302	4,653,803
1957		
Farm fence	11,477	2,439,553
Lawn fence	1,384	381,089
Chain link fabric	6,084	1,704,089
Totals	18,945	4,524,731
1958		
Farm fence	13,390	2,933,424
Lawn fence	1,546	404,761
Chain link fabric	7,135	1,863,531
Totals	22,071	5,201,716

TABLE 8. Total Production and Factory Sales of Nails, Tacks and Staples, 1954-58

Year	Iron and steel wire staples	Iron and steel wire nails and spikes	Wire and cut tacks of all kinds
	kegs		lbs.
1954			
Quantity made	32,459	1,598,143	1,921,431
Quantity sold	28,124	1,505,837	2,051,754
Value of sales	\$ 279,849	12,124,580	601,554
1955			
Quantity made	31,213	1,788,919	1,962,196
Quantity sold	33,101	1,862,558	2,034,687
Value of sales	\$ 326,681	15,448,759	570,626
1956			
Quantity made	27,929	1,851,607	2,827,621 ¹
Quantity sold	27,315	1,723,217	2,701,429 ¹
Value of sales	\$ 283,315	16,547,899	896,568 ¹
1957			
Quantity made	18,988	1,382,635	2,475,193
Quantity sold	21,719	1,397,001	2,431,531
Value of sales	\$ 251,554	13,941,686	883,912
1958			
Quantity made	27,219	1,659,325	2,219,474
Quantity sold	25,861	1,658,129	2,356,440
Value of sales	\$ 300,423	16,364,801	880,264

¹ Revised.

Note: 1 keg=100 pounds.

TABLE 9. Total Production and Factory Sales of Steel Wire Rope and Cable, 1949-58
(from All Industries)

Year	Wire rope and cable			Twisted strand wire			Total value of sales
	Quantity made	Quantity sold	Income from sales	Quantity made	Quantity sold	Income from sales	
	tons		\$	tons		dollars	
1949	16,742	16,808	9,261,383	5,598	5,897	1,670,812	10,932,195
1950	16,519	17,877	10,150,355	6,775	6,848	1,781,802	11,932,157
1951	23,216	24,094	15,036,888	7,837	8,189	2,409,506	17,446,394
1952	¹	23,591	14,706,763	¹	9,013	2,815,099	17,521,862
1953	¹	18,694	13,284,965	¹	8,911	2,959,208	16,244,173
1954	¹	19,490	12,485,589	¹	7,938	2,665,951	15,151,540
1955	¹	22,629	14,193,471	¹	8,018	2,684,300	16,877,771
1956	¹	28,356	17,854,473	¹	10,582	3,952,831	21,807,304
1957	¹	27,172	18,439,274	¹	7,745	2,758,725	21,197,999
1958	¹	22,029	15,789,580	¹	7,536	2,828,853	18,618,433

¹ Not collected under this heading after 1951.

TABLE 10. Production and Factory Shipments of Steel Bale Ties and Shipments of Welded Wire Mesh, 1954-58

Year	Steel wire bale ties			Welded wire mesh	
	Quantity made	Quantity shipped	Value of shipments	Quantity shipped	Value of shipments
	tons		\$	tons	\$
1954	4,970	4,992	1,177,885	10,216	2,112,643
1955	4,725	4,732	1,096,849	15,755	3,260,361
1956	4,485	4,435	1,047,953	27,386	5,409,661
1957	3,468	3,466	920,476	24,060	4,880,149
1958	3,430	3,557	989,382	32,840	6,899,606

TABLE 11. Total Production¹ of Welding Rods,² 1954 - 1958 (from All Industries)

Year	Quantity	Value of sales
	tons	\$
1954	11,926	3,634,811
1955	13,126	4,329,488
1956	20,230	6,823,000
1957	20,199	7,675,000
1958	18,474	7,436,000

¹ Factory sales.² Includes only ferrous type gas and electric welding rod.

TABLE 12. Principal Statistics of the Wire and Wire Goods Industry in Canada, grouped according to Value of Factory Shipments, 1957 and 1958

Establishments reporting factory shipments	Establishments	Employees	Salaries and wages	Cost at plant of materials used ¹	Selling value of factory shipments
	number		dollars		
1957					
Under \$10,000	7	11	17,125	8,050	31,630
\$10,000 to \$24,999	20	64	117,130	102,244	332,274
\$25,000 to \$49,999	16	99	204,380	158,964	528,905
\$50,000 to \$99,999	20	189	521,547	670,854	1,480,967
\$100,000 to \$199,999	12	197	657,504	761,811	1,705,485
\$200,000 to \$499,999	23	613	2,034,893	3,687,079	7,421,244
\$500,000 to \$999,999	14	941	2,814,662	5,052,221	10,266,605
\$1,000,000 to \$4,999,999	21	3,997	15,966,307	29,168,693	61,729,946
\$5,000,000 and over	8	3,721	17,025,961	42,042,879	67,741,298
Totals	141	9,832	39,359,509	81,652,795	151,238,354
1958					
Under \$10,000	8	10	19,031	15,870	45,883
\$10,000 to \$24,999	21	58	133,824	138,775	382,007
\$25,000 to \$49,999	16	95	218,892	223,337	597,624
\$50,000 to \$99,999	19	138	416,892	643,539	1,298,084
\$100,000 to \$199,999	17	234	726,570	1,096,897	2,235,832
\$200,000 to \$499,999	25	670	2,312,232	4,141,958	8,275,943
\$500,000 to \$999,999	14	797	2,711,501	5,189,655	10,215,579
\$1,000,000 to \$4,999,999	21	3,377	13,787,156	25,316,945	51,692,547
\$5,000,000 and over	9	3,840	17,887,474	45,868,950	74,056,970
Totals	150	9,219	38,213,572	82,635,926	148,798,469

¹ See note to text.

TABLE 13. Principal Statistics classified according to Type of Ownership - 1957 and 1958

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used ¹	Selling value of factory shipments
	number		dollars		
1957					
Individual ownership	34	152	359,124	349,601	1,008,570
Partnerships	17	227	666,775	2,658,949	3,854,154
Incorporated companies	90	9,453	38,333,610	78,644,245	146,375,630
Totals	141	9,832	39,359,509	81,652,795	151,238,354
1958					
Individual ownership	35	158	398,593	577,700	1,253,639
Partnerships	17	245	761,707	3,483,746	4,779,008
Incorporated companies	98	8,816	37,053,272	78,574,480	142,765,822
Totals	150	9,219	38,213,572	82,635,926	148,798,469

¹ See note to text.

TABLE 14. Employees and their Earnings in the Wire and Wire Goods Industry, 1957 and 1958

Province	Employees					Earnings			
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total	
	Male	Female	Male	Female					
1957	number					dollars			
Newfoundland	}	26	3	252	—	281	138,889	740,483	879,372
Nova Scotia		14	2	82	—	98	72,211	238,704	310,915
New Brunswick		456	196	2,220	165	3,037	3,155,512	8,874,783	12,030,295
Quebec		946	390	4,105	526	5,967	6,717,491	17,713,745	24,431,236
Ontario		7	—	15	2	24	20,900	35,407	56,307
Manitoba		6	1	15	—	22	44,117	53,081	97,198
Alberta		91	33	231	48	403	636,452	917,734	1,554,186
British Columbia									
Canada		1,546	625	6,920	741	9,832	10,785,572	28,573,937	39,359,509
1958	number					dollars			
Newfoundland	}	23	3	200	—	226	125,070	817,448	942,518
Nova Scotia		14	2	84	—	100	69,974	256,134	326,108
New Brunswick		442	191	2,176	155	2,964	3,278,708	8,598,013	11,876,721
Quebec		922	397	3,745	423	5,487	6,900,075	16,384,139	23,284,214
Ontario		6	—	15	—	21	23,762	35,792	59,554
Manitoba		7	2	24	—	33	62,785	85,627	148,412
Alberta		63	24	257	44	388	492,437	1,083,608	1,576,045
British Columbia									
Canada		1,477	619	6,501	622	9,219	10,952,811	27,260,761	38,213,572

TABLE 15. Production Workers, by Months, 1958

Month	Establishments reporting monthly detail ¹		Establishments not reporting monthly detail ¹		All establishments		
	Male	Female	Male	Female	Male	Female	Total
	number						
January	6,046	541					
February	5,990	537					
March	6,038	567					
April	6,164	571					
May	6,429	594	184	44	6,613	638	7,251
June	6,450	587					
July	6,356	552					
August	6,524	575					
September	6,488	595					
October	6,347	592					
November	6,496	661					
December	6,584	662					
Average²					6,501	622	7,123

¹ The number of production workers by months was generally collected only for establishments reporting value of shipments of \$100,000 and over. For smaller establishments, only the number employed during the last pay period of May, 1958 was collected.

² The average for establishments generally reporting shipments of less than \$100,000 was estimated by using average annual earnings data from the large establishments in conjunction with reported payrolls for the small establishments.

TABLE 16. Capital and Repair Expenditures in the Wire and Wire Goods Industry, 1954-58

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	thousands of dollars						
1954	826	2,443	3,269	708	3,570	4,278	7,547
1955	3,169	4,241	7,410	725	3,377	4,102	11,512
1956	2,354	6,176	8,530	972	4,889	5,861	14,391
1957	4,419	6,555	10,974	1,085	5,571	6,656	17,630
1958	703	3,782	4,485	657	4,651	5,308	9,793

Note: Figures for the current year are preliminary.

TABLE 17. Imports of Steel Wire and Specified Wire Products, 1957 and 1958

Item	1957		1958		
	Quantity	Value	Quantity	Value	
		\$		\$	
Wire					
Wire of iron or steel; barbed fencing, coated or not	cwt.	87,892	671,083	92,743	705,678
Wire of iron and 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 .1857 inch in thickness	"	6,202	100,920	4,355	96,896
Wire of iron or steel, coated with zinc or spelter, n.o.p.....	"	72,374	827,512	96,089	1,086,499
Wire of iron or steel, single or several, coated, n.o.p., covered with any material, including cable so covered	"	11,353	399,901	15,083	443,672
Wire rope for rigging of ships and vessels	"	126	2,839	620	15,687
Wire rope for well drilling	"	—	127,665	8,073	151,042
Wire of iron or steel, twisted, braided or stranded, including wire rope or cable, coated or not, n.o.p.....	"	90,080	1,963,159	94,321	2,099,713
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 the manufacture of mattresses, cushions or upholstery	"	6,005	60,905	27,457	291,812
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 the manufacture of corset clasps, steels, wires and dress stays	"	1,984	95,787	2,167	100,550
Wire of steel, valued at not less than 2½ cents per pound, for the manufacture of wire rope	"	357,572	4,150,459	301,969	3,611,370
Wire of steel, single, not covered, in coils, for trolling in bona fide deep sea or inland commercial fishing operations, n.o.p.	—	—	246,594	—	382,714
Wire, of rust or acid resisting steel, twisted or stranded, for commercial fishing operations	—	—	16,527	—	21,329
Wire, steel, for the manufacture of machine card clothing.....	cwt.	79	2,962	57	2,399
Wire of steel, n.o.p.	"	163,045	2,315,936	233,649	3,032,670
Wire or welded 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.	—	—	210,732	—	236,365
Wire cloth of iron or steel	—	—	571,425	—	455,896
Wire netting of iron or steel	—	—	242,813	—	604,546
Woven or welded wire fencing of iron or steel, coated or not, n.o.p.	—	—	79,370	—	103,152
Woven netting of iron or steel, coated, for use on fur farms	—	—	47,050	—	47,252
Wire screens, doors and windows	—	—	209,400	—	151,525
Cellulose acetate film reinforced with wire mesh.....	—	—	43,912	—	32,064
Welding rods or welding wires of all kinds	cwt.	145,709	4,055,207	124,321	3,814,637
Welded wire fabric, for concrete or other reinforcing	"	26,357	293,508	24,785	211,585
Nails, spikes and tracks					
Cut nails, of iron or steel, coated or not	cwt.	4,119	104,755	5,554	145,833
Railway spikes and other spikes, of iron or steel, coated or not, n.o.p.	"	998	11,102	—	1
Tacks of all kinds, n.o.p.	lb.	50,791	20,487	66,596	24,005
Wire roofing nails of all sizes and wire nails one inch or more in length, of iron or steel, coated or not.....	cwt.	268,253	2,091,879	300,893	2,350,394
Wire nails less than one inch in length, and nails and brads, n.o.p., of iron or steel, coated or not	lb.	370,234	116,029	253,056	86,785

¹ Classification discontinued after January 1, 1958.

TABLE 18. Exports of Steel Wire and Specified Wire Products, 1957 and 1958

Item	1957		1958	
	Quantity	Value	Quantity	Value
		\$		\$
Wire, barbed of iron or steel	cwt. —	—	29	310
Wire cable and wire rope of iron and steel	—	230,065	—	183,988
Wire screen of iron	—	203,327	—	204,036
Woven wire fencing of iron and steel	—	4,567	—	7,187
Wire of iron and steel, n.o.p.	—	87,633	—	65,925
Nails, wire	cwt. 6,477	78,333	5,469	67,409
Tacks of all kinds, of iron and steel	" 3,400	73,934	3,214	74,172
Nails and brads of iron and steel, n.o.p.	" 1,659	22,275	1,308	22,694

TABLE 19. Fuel and Electricity Used in the Wire and Wire Goods Industry, 1958

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: ¹		
Bituminous coal (a) From Canadian mines	tons 5,613	75,557
(b) Imported	" 8,739	113,535
Anthracite coal	" 2,755	32,407
Coke (for fuel only)	" 77	1,937
Gasoline (including gasoline used in cars and trucks)	Imp. gal. 201,057	78,075
Fuel oil including kerosene or coal oil	" 2,645,768	318,171
Wood (cords of 128 cubic feet of piled wood)	cords 358	4,080
Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gal. 100,876	25,454
(b) Other manufactured gas	M cu. ft. 616,170	246,652
(c) Natural gas	" 205,059	177,446
Other fuel	" —	2,552
Electricity purchased	kwh. 100,643,061	876,725
Steam purchased .....	..	65,530
Totals	—	2,018,121
2. Establishments not reporting commodity detail: ¹		
Total cost of fuel .....	...	22,182
Total cost of electricity .....	..	20,889
3. All establishments:		
Total cost of fuel .....	...	1,163,578
Total cost of electricity .....	...	897,614
Total cost of fuel and electricity .....	...	2,061,192

¹ Data on the quantity and value of the different kinds of fuel and on the quantity of electricity purchased were generally not collected for establishments reporting value of shipments of less than \$100,000. Only the total cost of fuel and the total cost of electricity were collected for these establishments.

TABLE 20. Total Horsepower Rating of Power Equipment in Use or Available for Use in the Wire and Wire Products Industry at the End of 1958

	Driving generators	Not driving generators
	horsepower	
A. Prime movers:		
Steam engines	—	50
Steam turbines	—	22
Gasoline, gas and oil engines, other than diesel engines	44	670
Totals	44	742
B. Electric motors (one-quarter horsepower and over)	—	59,781

Directory of Firms in the Wire and Wire Goods Industry, 1958

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 plants that manufacture wire of iron or steel or wire goods as their chief products. Producers of copper wire and cable for electrical purposes have been classified to the Electrical Apparatus and Supplies Industry.

Name	Address
Newfoundland:	
Daw's Nail and Hardware Ltd.	Bay Roberts
United Nail & Foundry Co. Ltd. ¹	Hamilton Ave., St. John's
Nova Scotia:	
Dominion Steel & Coal Corp. Ltd., Dominion Iron and Steel Division ¹	Sydney
New Brunswick:	
New Brunswick Wire Fence Co. Ltd.	402 Main St., Moncton
Dominion Steel and Coal Corp. Ltd. James Pender Division ¹	320 Charlotte St., Saint John
Grand Falls Industries Ltd.	Grand Falls
Quebec:	
Anglo-Canadian Wire Rope Co. Ltd.	125 Rockfield Ave., Lachine
Artistic Wire Works Limited	8152 Drolet St., Montreal
Beaver Wire Mfg. Co.	8058 St. Hubert, Montreal
Belanger, J.A.	Rivière Bleue
Canadian Blank Book Company	8530 Esplanade, Montreal 14
Canadian Staples Limited	6705 Upper Lachine Rd., Montreal 28
Canadian Weldrods Mfg. Co. Ltd.	8551 - 9th. Ave., Ville St. Michel
Champion Tire Chain Co. Ltd.	2457 Des Carriers St., Montreal 24
Christie, George, Canada, Limited	2106 Bellefeuille St., Three Rivers
City Wire & Iron Products Co.	1584 Laurier Ave., E., Montreal
Cogan Wire and Metal Products Limited	2245 de la Salle Ave., Montreal 4
Croname (Canada) Ltd.	50 Taylor St. E., Waterloo
Dominion Steel & Coal Corporation Limited	1150 Marie Victorin Blvd., Ville Jacques Cartier
Dominion Steel & Coal Corporation Limited ¹	5870 St. Patrick St., Montreal
Dominion Wire Rope Limited	175 St. Joseph St., Lachine
Eddy Metal Products Reg'd.	2331 Provencal, Montreal 24
Foster Springs Limited	200 St. Antoine St. N., Granby
Hops-Koch Products Reg'd	5835 Sherbrooke W., Montreal
Johnson Wire Works Ltd., The	530 de Courcelles St., Montreal 30
Jones Lamp Frame Co.	5549 - 11th Ave., Rosemount, Montreal
Laramée Wire Works	956 Maisonneuve, Montreal
Laurentian Wire Products Reg'd.	9221 St. Lawrence Blvd., Montreal
Maxwell Wire Products Ltd.	5000 Brock St., Montreal
Mercury Wire & Nail Co. Ltd.	3000 Rue St. Prosper, St. Hyacinth
Modern Wire Works Reg'd.	3600 Ruskin, Ville St. Michel
New York Wire Works Ltd.	5555 Notre Dame St. E., Montreal
No-Sag Spring Co. Ltd.	297 Taschereau Blvd., Montreal
Nucleonic - Electric Equipment & Development Company	913 Ontario St. East, Montreal
Ontario Wire Works Mfg. Limited	4166 Parthenais St., Montreal 24
Pennsylvania Wire Products	1361 Notre Dame St. E., Montreal 24
Sivaco Wire and Nail Co. ¹	Marleville
Steel Company of Canada Ltd. ¹	2320 Notre Dame St. W., Montreal
Steel Company of Canada Ltd. ¹	75 St. Joseph St., Lachine
Steel Heddle Co. of Canada, Limited	310 St. Hubert St., Granby
Superior Wire & Paper Products Ltd.	9600 St. Lawrence Blvd., Montreal 14
United Shoe Machinery Co. of Canada, Ltd.	2610 Bennett Ave., Montreal 4
Wallace Barnes, The, Co. Limited	Valois
Webster & Horsfall (Canada) Ltd. ¹	3350 Bellefeuille St., Three Rivers
World Wide Staple Co. Inc.,	2624 Villieray St., Montreal
Ontario:	
Andrews Wire Works of Canada Ltd.	Watford
Armour Art Craft	298 A King St. E., Toronto 2
Artcraft Shoppe	155 George St., Toronto 2
Argos Mfg. Co.	Stoney Creek
Atlas Spring Products Limited	108 Brandon Ave., Toronto 4
Beaverton Specialties Limited	Beaverton
Bennett Wire Products Co.	349 Huron St., Toronto 5

¹ Wire-drawing plants.

Directory of Firms in the Wire and Wire Goods Industry, 1958 - Continued

Name	Address
Ontario - Concluded:	
Bohne Industries Ltd.	1149-53 Queen St. W., Toronto 3
Bostitch-Canada Ltd.	55 Main St., Mimico, Toronto 14
Brown Wire Specialty Co.	150 Chatham St., Hamilton
Canada Wire & Cable Co. Ltd.	37 Union St., Smiths Falls
Canadian Rockweld Co.	46 North Line Rd., Toronto 16
Canadian Safety Fences	9 Noble St., Toronto
Canadian Spring Co.	2784 Dundas St. W., Toronto 9
Canadian Wire Specialties Co.	3370 Dufferin St., Toronto 19
Capital Wire Cloth and Mfg. Co. Ltd.	Hinton Ave., Ottawa 3
City Wire Works Co.	1082 Queen St. W., Toronto 3
Diamond Hard Company	99A Coleman Ave., Toronto
Dominion Chain Company Limited	800 Bender Ave., Niagara Falls
Dominion Fasteners Limited	686 Parkdale Avenue N., Hamilton
Dominion Steel & Coal Corp. Limited ¹	1020 Martin Grove Road, Etobicoke
Dominion Tack & Nail Company Limited	431 Dundas St., Galt
Donald Ropes & Wire Cloth Limited	180 King William St., Hamilton
Ferrier Wire Goods Company	22 Mulock Ave., Toronto 9
Fitzgerald-McAvoy Wire Goods	21 Haas Rd., Rexdale
Florists' Wire Works	364 Broadview Ave., Toronto 8
Frey, Otto G.	262 Poyntz Ave., Willowdale
Frost Steel & Wire Company Limited ¹	250 Lottridge St. N., Hamilton
G. W. Wire Specialties	48 Cannon St. East, Hamilton
Garden City Wire Works Co.	66 Pelham Rd., St. Catharines
General Spring Products Ltd.	60 Ottawa St. S., Kitchener
Gerrard Company Ltd.	140 Hunter St. E., Hamilton
Gibb Manufacturing Co. Ltd.	1 Seneca Ave., Port Credit
Globe Spring and Cushion Co. Limited	47 Davies Ave., Toronto
Greening, B., Wire Co. Ltd. ¹	55 Queen St., Hamilton
Griplock of Canada, Limited	151 Birge St., Hamilton
Hamilton Wire Designs	R.R. 3, Guelph
Hamilton Wire Products Limited	304 Gage Ave. N., Hamilton
Hi-Beck Precision Spring Co.	741 Woodward Ave., Hamilton
Hollup Corporation Limited	719 King St. W., Toronto 2B
Hughes, L.G.	180 Robert St. (rear), Toronto
Hyde Spring & Wire (Canada) Ltd.	366 Grand River Ave., Brantford
Imperial Wire Specialty	217 Lambton Ave., Toronto 4
Isard-Lefevre Mfg. Co. Ltd.	45 Dickens St., Toronto 8
Kelson Spring Products	108 Brandon Ave., Toronto 4
Kitchener Spring Co. Limited	34 Bridgeport Rd., Waterloo
Largo Manufacturing Co.	152A King St. E., Toronto 2
Lundy Steel Products, Limited	Dunnville
Marcus Spring-Company Ltd.	71 Ossington Ave., Toronto 3
Marshall Specialty Co. Ltd.	874 Weston Rd., Toronto 9
May, Bruce, Manufacturing	330 Coleman St., Belleville
McKinnon Columbus Chain Limited	Ontario St., St. Catharines
Mills Steel Products Ltd.	663 Woodward Ave., Hamilton
National-Standard Company Canada Ltd.	133 Woolwich St., Guelph
Neat Clip Manufacturers	416 Richmond Rd., Ottawa 3
Niagara Wire Weaving Co. Ltd.	Robinson St., Niagara Falls
No-Sag Spring Company Limited	Industrial Rd., London
Otamarc Manufactures Ltd.	71 Ossington Ave., Toronto 3
Perrin Industries Limited	468 Wellington St. West, Toronto
Pritchard, E. W., And Sons	99 Torrens Ave., Toronto 6
Rice Wire Products	Rear 834 Yonge St., Toronto 2
Steel Company of Canada Limited ¹	834 Wellington St. N., Hamilton
Steel Company of Canada Limited ¹	Strathearne Ave., Hamilton
Steele Brothers	47 Johnston St., Guelph
Steele's Wire Springs Limited	33 Baker St., Guelph
Stockton Wire Products Ltd.	Newport St., Brantford
Superior Wire Works	128 Vine St., Toronto
Swan Piper and Co., Limited	426 Cannon St. E., Hamilton
Toronto Wire Works Co.	2108 Dundas St. W., Toronto 3
Tyler, W.S., Co. of Canada, Ltd.	Kensington Ave., St. Catharines
Universal Wire & Iron Works	2991 Bathurst St., Toronto 12
Wallace Barnes Company Limited	274 Sherman Ave. N., Hamilton
Wallbank, P.J. Mfg. Co.	Plattsville
Waterloo Spring Co. Ltd.	102 Breithaupt St., Kitchener
Wilkinson, John	46 Kelly St., Hamilton
Windsor Fence & Wire Limited	2249 S. Cameron Blvd., Windsor
Wiresmith Manufacturing Co.	434 Dundas St. E., Toronto 2
Yonge Hanger & Wire Products Ltd.	164 Mulock Ave., Toronto 9
Young Spring & Wire Corp. of Canada, Ltd.	1441 McDougall Ave., Windsor

¹ Wire-drawing plants.

Directory of Firms in the Wire and Wire Goods Industry, 1958 — Concluded

Name	Address
Manitoba:	
Nolin-Hunter Mfg. Co.	376 Bertrand St., St. Boniface
Pheonix Mfg. Co. Ltd.	455 Provencher Ave., St. Boniface
Wire & Metal Specialty Co.,	70 Marion St., Norwood, Winnipeg
Alberta:	
Alberta Wire Works	9116-71 Ave., Edmonton
Anchor Wire Products Limited	66th. Ave. & Centre St. South, Calgary
Gates Forming Accessories Ltd.,	1221-2nd. Ave. A North, Lethbridge
Irving Wire Products Ltd.	66th Ave. & 1st S.W., Calgary
Soldan Fence Products	9935-75th Avenue, Edmonton
Soroy Upholstery Springs	10344-97th St., Edmonton
British Columbia:	
Advance Wire Products	1668 West 2nd Ave., Vancouver 19
B.C. Anchor Fence Co. Ltd.	1031 Pender St. W., Vancouver 1
B.C. Wire & Steel Works Ltd.	1328-73rd Avenue W., Vancouver 14
B.R.C. Weldmesh Limited	3157 Grandview Highway, Vancouver 12
British Ropes Canadian Factory Limited	3185 Grandview Highway, Vancouver 12
Butler, E.A., Mfg. & Eng. Limited	32,778 Trans Canada H'W'Y., Abbotsford
Capital Wire Cloth Western Limited	Annacis Industrial Estate, Annacis Island, New Westminster
Chamberlain Spring Co. Ltd.	1214 Seymour St., Vancouver 2
Henry, O.J., Co.	654 W. 7th Ave., Vancouver 10
Industrial Wire & Iron Works	138 E. Fourth Ave., Vancouver 10
Morrison Steel & Wire Co. Ltd. ¹	Granville Island, Vancouver 9
No-Sag Spring Co. Ltd.	Richmond
Simplex Wire & Machine Works	842 Powell St., Vancouver 4
West Coast Wire Works Limited	8183 Manitoba St., Vancouver 15
Western Wire Products Ltd.	1018 Burnaby St., Vancouver 5
Western Wirecraft Co.	1903 W. 1st Ave., Vancouver
Wright's Canadian Ropes Limited	350 S. E., Marine Drive, Vancouver

¹ Wire-drawing plants.

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