

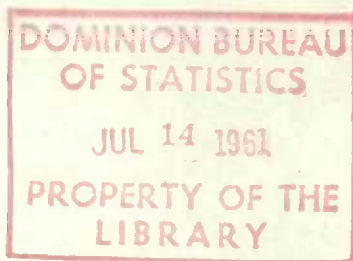
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THE WIRE AND WIRE GOODS INDUSTRY 1959



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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

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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.
- ^p preliminary figures.

EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1959 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 1959 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

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials 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*.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

The general request for the principal items of products on the short form for 1959 permitted a fairly complete compilation of the detailed quantities and values of commodity shipments. In the case of the detailed quantities and values of materials, fuel and electricity, however, and the monthly distribution of production workers, only the totals of data actually reported on the intermediate and long forms are contained in published reports and no attempt was made as in past years to estimate the generally small proportion of individual totals represented by detailed items omitted from the short forms.

The new approach has relieved an additional 12,000 establishments from filling out the regular long form. Establishments now receiving the short form number in excess of 20,000 and account for more than 54 per cent of the total number of establishments and a little more than 3 per cent of the total value of shipments.

THE WIRE AND WIRE GOODS INDUSTRY

1959

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 1959 the 151 factories in this industry were distributed, by provinces, as follows: Ontario, 80; Quebec, 38; British Columbia, 17; Alberta, 7; New Brunswick, 3; Manitoba, 3; Newfoundland, 2 and Nova Scotia 1.

Factory shipments in 1959 were valued at \$169,927,054, 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 1958 the factory shipments were reported at \$148,798,469 and in 1957 at \$151,238,354.

The 18 wire drawing plants which operated in 1959 employed 4,847 persons and the 133 establishments engaged only in the fabrication of wire goods had 5,663 workers. Shipments from the wire drawing plants were valued at \$95,502,262 and from the fabricating plants at \$74,424,792.

The total number of employees in all plants in 1959 was 10,510 of whom 6,102 were in Ontario and 3,590 in Quebec. Payments to the 2,406 salaried workers totalled \$12,883,427 and the 8,104 wage-earners were paid \$32,792,139, a total for salaries and wages of \$45,675,566. The 1958 payments amounted to \$38,213,572 and were paid to 9,219 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 1929-59, and by Provinces, 1958 and 1959

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
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	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
1959							
Newfoundland	2	190	868,032	68,313	2,158,095	1,111,164	3,244,848
Nova Scotia	1						
New Brunswick	3	92	337,085	31,542	737,803	422,530	1,182,442
Quebec	38	3,590	15,125,593	843,515	32,118,780	24,377,473	55,768,408
Ontario	80	6,102	27,037,412	1,405,566	57,073,439	41,584,194	99,209,053
Manitoba	3	22	62,802	5,604	65,118	97,632	168,277
Alberta	7	44	249,813	9,781	1,068,538	633,688	1,682,377
British Columbia	17	470	1,994,829	99,962	4,909,016	3,772,029	8,671,646
Canada	151	10,510	45,675,566	2,464,283	98,130,789	71,998,710	169,927,054

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, 1958 and 1959

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
1958	number		dollars				
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
1959							
Wire-drawing plants	18	4,847	23,738,898	1,618,486	63,417,964	33,252,990	95,502,262
Fabricating plants only	133	5,663	21,936,668	845,797	34,712,825	38,745,720	74,424,792
Totals	151	10,510	45,675,566	2,464,283	98,130,789	71,998,710	169,927,054

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 1959

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Quebec	6,522,881	458,792	5,663,725	12,645,398
Ontario	9,682,075	1,713,479	8,769,662	20,165,216
British Columbia	1,089,472	162,321	1,056,254	2,308,047
Other provinces	422,427	146,242	740,081	1,308,750
Canada	17,716,855	2,480,834	16,229,722	36,427,411
Closing:				
Quebec	6,616,466	533,433	7,160,446	14,310,345
Ontario	10,162,703	1,784,977	9,552,305	21,499,985
British Columbia	1,588,166	318,700	1,009,236	2,916,102
Other provinces	373,955	144,039	874,148	1,392,142
Canada	18,741,290	2,781,149	18,596,135	40,118,574

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 1959 does not necessarily agree with the closing inventory for 1958, 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, 1959

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	360,874	146,271	27,557,523
Galvanized wire..... "	62,269	31,695	7,587,034
Other coated wire..... "	4,450	4,336	1,278,729
Barbed wire..... "	3,755	3,393	632,162
Cold-rolled flat wire of all sizes, qualities and finishes, including nut steel..... "		3,003	1,087,775
Wire bale ties..... "	3,255	3,286	889,408
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	1,527,192	1,481,101	15,230,229
Wire staples, iron and steel, of all kinds..... "	26,434	27,042	318,592
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.	2,264,247	2,042,335	742,686
Miscellaneous, including thumb tacks, upholstery nails, brass and copper nails, cut nails, aluminum nails and staples for paper stitching.....	...	...	2,035,564
Section "C" - Wire Fencing and Wire Netting			
Woven wire farm fence, steel..... ton	..	15,522	3,248,376
Woven wire lawn fence, steel..... "	..	1,248	347,207
Woven wire chain link fabric, steel (including tonnage for industrial fences)..... "	..	7,458	1,953,343
Steel fence posts..... "	..	4,864	752,913
Gates..... No.	..	27,259	561,894
Snow fence..... "	..	..	186,766
Welded or woven wire mesh, steel, for concrete reinforcement, or purposes other than fencing..... ton	..	43,235	9,063,847
Wire cloth:			
Fourdrinier wire cloth..... "	..	..	10,301,669
Other wire cloth, including insect wire screening-steel, including stainless steel..... "	..	..	3,266,475
Non-ferrous metal..... "	..	..	1,110,071
Miscellaneous fencing and netting..... "	..	..	139,074

See note at end of table.

TABLE 4. Products of the Wire and Wire Goods Industry, 1959 - Concluded

Product	Quantity made	Quantity shipped	Value of factory shipments
			\$
Section "D" - Wire Goods			
Steel wire rope or cable	ton ..	23,853	16,986,582
Twisted strand wire (including galvanized guy wire, wire clothes-lines, twisted bed strand)	" ..	7,011	2,584,852
Steel wire upholstering springs and constructions .....	" ..	..	11,782,858
Other steel wire springs (except bed springs) .....	" ..	..	4,261,467
Miscellaneous wire goods (including wire lacing, hairpins, tire braids, wire paper clips, wire guards, welding rods, etc.) .....	... ..	...	20,014,445
Section "E" - Fasteners and Miscellaneous			
Bolts and nuts, horseshoe calks, screws, perforated metals, etc. ....	..	..	25,383,257
Amount received for repair and custom work .....	... ..	...	622,256
Totals .....	... ..	...	169,927,054

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, 1959

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 21,207	2,532,730	4,102	573,765
Wire rods	" 249,614	33,588,795	122,913	14,954,524
Wire:				
Plain	" -	-	59,447	13,827,060
Galvanized	" -	-	22,653	5,557,528
Sheets	" 75	10,412	6,553	1,206,458
Strips	" 539	96,526	7,098	1,359,992
Pipe and tubing	" ..	1,036,569	..	110,862
Nail and tack plate	lb. 2,260,398	165,314	1,727,207	154,059
Other iron and steel	" ..	7,983	..	598,908
Stainless Steel:				
Wire	lb. -	-	367,468	505,544
Other forms	" -	-	584,831	312,982
Non-ferrous metals:				
Aluminum:				
Castings	" -	-	93,669	66,177
Sheet	" -	-	52,739	30,946
Other forms	" -	-	1,093,472	464,025
Brass and bronze	" -	-	5,263,714	3,294,470
Copper:				
Sheet	" -	-	39,635	21,657
Wire	" -	-	165,364	62,823
Other forms	" -	-	110,357	39,806
Lead	" -	-	928,039	100,942
Tin	" -	-	26,018	26,821
Zinc	" -	-	9,147,777	1,111,276
All other non-ferrous metals	" -	-	..	204,722
Acid, muriatic	lb. -	-	2,220,842	67,091
Acid, sulphuric, 100%	" 1,317,556	24,287	16,482,793	261,947
Shipping containers and packing materials	" -	-	-	2,063,992
All other materials ²	" -	56,652	-	13,633,144
Total own-make materials	-	37,519,268	-	-
Total purchased materials	-	-	-	60,611,521
Total all materials	-	-	-	98,130,789

¹ See note to text.

² No detailed information on materials used was collected from firms generally reporting value of shipments of less than \$300,000. The total value of materials used by these firms was \$3,761,803 and this amount is included in "all other materials".

TABLE 6. Total Production and Factory Sales of Steel Wire, 1955 - 59

Year		Plain wire	Galvanized wire	Barbed wire	Wire other coated
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	"	114,643	28,210	4,588	2,148
Income from sales	\$	21,741,095	6,898,132	854,878	642,017
1959					
Quantity made	ton	360,874	62,269	3,755	4,450
Quantity sold	"	146,271	31,695	3,393	4,336
Income from sales	\$	27,557,523	7,587,034	632,162	1,278,729

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, 1955 - 59

Year	Quantity sold	Income from sales
	net ton	\$
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
1959		
Farm fence	15,522	3,248,376
Lawn fence	1,327	370,907
Chain link fabric	7,458	1,953,343
Totals	24,307	5,572,626

TABLE 8. Total Production and Factory Sales of Nails, Tacks and Staples, 1952-59

Year	Iron and steel wire staples	Iron and steel wire nails and spikes	Wire and cut tacks of all kinds
	kegs		lbs.
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
1959			
Quantity made	26,434	1,527,192	2,264,247
Quantity sold	27,042	1,481,101	2,042,335
Value of sales	\$ 318,592	15,230,229	742,686

¹ Revised.

Note: 1 keg = 100 pounds.

TABLE 9. Total Production and Factory Sales of Steel Wire Rope and Cable, 1950-59
(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	
1950	16,519	17,677	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
1959	¹	23,853	16,986,582	¹	8,511	3,084,852	20,071,434

¹ Not collected under this heading after 1951.

TABLE 10. Production and Factory Shipments of Steel Bale Ties and Shipments of Welded Wire Mesh, 1955-59

Year	Steel wire bale ties			Welded wire mesh	
	Quantity made	Quantity shipped	Value of shipments	Quantity shipped	Value of shipments
	tons		\$	tons	\$
1955	4,725	4,732	1,096,849	15,755	3,260,361
1956	4,485	4,425	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
1959	3,255	3,286	889,408	44,979	9,423,594

TABLE 11. Total Production¹ of Welding Rods,² 1955 - 1959 (from All Industries)

Year	Quantity	Value of sales
	tons	\$
1955	13,126	4,329,488
1956	20,230	6,823,000
1957	20,199	7,675,000
1958	18,474	7,436,000
1959	21,777	8,460,000

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, 1958 and 1959

Establishments reporting factory shipments	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used ¹	Selling value of factory shipments
	number			dollars	
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 " 49,999	16	95	218,892	223,337	597,624
50,000 " 99,999	19	138	416,892	643,539	1,298,084
100,000 " 199,999	17	234	726,570	1,096,897	2,235,832
200,000 " 499,999	25	670	2,312,232	4,141,958	8,273,943
500,000 " 999,999	14	797	2,711,501	5,189,655	10,215,579
1,000,000 " 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
1959					
Under \$10,000	9	12	18,785	22,513	46,061
\$ 10,000 to \$ 24,999	18	47	103,265	93,177	284,135
25,000 " 49,999	12	67	152,011	194,816	455,177
50,000 " 99,999	24	217	592,657	752,334	1,725,150
100,000 " 199,999	14	179	474,035	992,033	1,795,274
200,000 " 499,999	27	761	2,735,235	4,125,520	8,488,977
500,000 " 999,999	16	316	3,324,020	5,683,870	11,661,509
1,000,000 " 4,999,999	22	3,657	15,441,008	28,685,961	56,565,522
5,000,000 and over	9	4,654	22,834,550	57,580,565	88,905,249
Totals	151	10,510	45,675,566	98,130,789	169,927,054

¹ See note to text.

TABLE 13. Principal Statistics classified according to Type of Ownership - 1958 and 1959

Type	Estab-lish-ments	Employees	Salaries and wages	Cost at plant of materials used ¹	Selling value of factory shipments
1958	number		dollars		
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
1959					
Individual ownership	34	169	399,259	590,279	1,283,501
Partnerships	16	290	957,177	3,856,640	5,144,592
Incorporated companies	101	10,051	44,319,130	93,683,870	163,498,961
Totals	151	10,510	45,675,566	98,130,789	169,927,054

¹ See note to text.

TABLE 14. Employees and their Earnings in the Wire and Wire Goods Industry, 1958 and 1959

Province	Employees					Earnings			
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total	
	Male	Female	Male	Female					
1958	number					dollars			
Newfoundland	}	23	3	200	—	226	125,070	817,448	942,518
Nova Scotia									
New Brunswick		14	2	84	—	100	69,974	256,134	326,108
Quebec		442	191	2,176	155	2,964	3,278,708	8,598,013	11,876,721
Ontario		922	397	3,745	423	5,487	6,900,075	16,384,139	23,284,211
Manitoba		6	—	15	—	21	23,762	35,792	59,554
Alberta		7	2	24	—	33	62,785	85,627	148,412
British Columbia		63	24	257	44	388	492,437	1,083,608	1,576,045
Canada		1,477	619	6,501	622	9,219	10,952,811	27,260,761	38,213,572
1959	number					dollars			
Newfoundland	}	21	2	167	—	190	117,153	750,879	868,032
Nova Scotia									
New Brunswick		17	2	73	—	92	85,158	251,927	337,085
Quebec		538	243	2,597	212	3,590	4,122,182	11,003,411	15,125,593
Ontario		1,042	419	4,138	503	6,102	7,831,204	19,206,208	27,037,412
Manitoba		6	—	16	—	22	25,467	37,335	62,802
Alberta		10	2	32	—	44	115,844	133,969	249,813
British Columbia		76	28	315	51	470	586,419	1,408,410	1,994,829
Canada		1,710	696	7,338	766	10,510	12,883,427	32,792,139	45,675,566

TABLE 15. Production Workers, by Months, 1959

Month	Establishments reporting monthly detail ¹	
	Male	Female
January	6,371	690
February	6,470	690
March	6,602	708
April	6,693	688
May	6,852	688
June	6,996	705
July	6,675	661
August	6,862	676
September	6,953	729
October	6,972	753
November	6,757	671
December	6,805	709
Average for establishments reporting monthly detail	6,752	679
Average estimated for small establishments ²	586	87
Average for all establishments	7,338	766

¹ The number of production workers, by months, was collected only for establishments generally reporting value of shipments of \$300,000 and over.

² For establishments generally reporting value of shipments of less than \$300,000, no data on number of workers were collected. Average was estimated by using change in value of shipments to arrive at value of payroll which was then used in conjunction with estimated average earnings to arrive at number of workers.

TABLE 16. Capital and Repair Expenditures in the Wire and Wire Goods Industry, 1955 - 59

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						
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	878	3,947	4,825	707	4,744	5,451	10,276
1939 ^P	2,221	5,636	7,857	772	5,343	6,115	13,972

TABLE 17. Imports of Steel Wire and Specified Wire Products, 1958 and 1959

Item	1958		1959		
	Quantity	Value	Quantity	Value	
		\$		\$	
Wire					
Wire of iron or steel; barbed fencing, coated or not	cwt.	92,743	705,678	162,602	1,091,872
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	"	4,355	96,896	5,733	169,043
Wire of iron or steel, coated with zinc or spelter, n.o.p.	"	96,089	1,086,499	163,362	1,598,921
Wire of iron or steel, single or several, coated, n.o.p., covered with any material, including cable so covered	"	15,083	443,672	11,186	363,599
Wire rope for rigging of ships and vessels	"	620	15,687	684	12,462
Wire rope for well drilling	"	8,073	151,042	2,408	36,824
Wire of iron or steel, twisted, braided or stranded, including wire rope or cable, coated or not, n.o.p.	"	94,321	2,099,713	103,497	2,348,129
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	"	27,457	291,812	4,915	42,547
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	"	2,167	100,550	2,809	134,292
Wire of steel, valued at not less than 2½ cents per pound, for the manufacture of wire rope	"	301,969	3,611,370	412,738	4,748,251
Wire of steel, single, not covered, in coils, for trolling in bona fide deep sea or inland commercial fishing operations, n.o.p.	—	—	382,714	—	347,452
Wire, of rust or acid resisting steel, twisted or stranded, for commercial fishing operations	—	—	21,329	—	1
Wire, steel, for the manufacture of machine card clothing	cwt.	57	2,399	—	1
Wire of steel, n.o.p.	"	233,649	3,032,670	195,092	2,602,429
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.	—	—	236,365	—	223,397
Wire cloth of iron or steel	—	—	455,896	—	575,144
Wire netting of iron or steel	—	—	604,546	—	538,368
Woven or welded wire fencing of iron or steel, coated or not, n.o.p.	—	—	103,152	—	143,376
Woven netting of iron or steel, coated, for use on fur farms	—	—	47,252	—	57,050
Wire screens, doors and windows	—	—	151,525	—	163,695
Cellulose acetate film reinforced with wire mesh	—	—	32,064	—	38,189
Welding rods or welding wires of all kinds	cwt.	124,321	3,814,637	141,690	4,417,534
Welded wire fabric, for concrete or other reinforcing	"	24,785	211,585	48,962	371,780
Nails, spikes and tracks					
Cut nails, of iron or steel, coated or not	cwt.	5,554	145,833	4,519	157,141
Tacks of all kinds, n.o.p.	lb.	66,596	24,005	126,718	39,361
Wire roofing nails of all sizes and wire nails one inch or more in length, of iron or steel, coated or not	cwt.	300,893	2,350,394	388,513	2,889,031
Wire nails less than one inch in length, and nails and brads, n.o.p., of iron or steel, coated or not	lb.	253,056	86,785	394,616	113,681

¹ Classification discontinued after January 1, 1959.

TABLE 18. Exports of Steel Wire and Specified Wire Products, 1958 and 1959

Item	1958		1959	
	Quantity	Value	Quantity	Value
		\$		\$
Wire, barbed of iron or steel..... cwt.	29	310	245	2,110
Wire cable and wire rope of iron and steel.....	—	183,988	—	357,573
Wire screen of iron.....	—	204,036	—	378,456
Woven wire fencing of iron and steel.....	—	7,187	—	17,822
Wire of iron and steel, n.o.p.	—	65,925	—	3,108,530
Nails, wire..... cwt.	5,469	67,409	20,821	319,891
Tacks of all kinds, of iron and steel..... "	3,214	74,172	3,237	68,506
Nails and brads of iron and steel, n.o.p. "	1,308	22,694	20,766	246,358

TABLE 19. Fuel and Electricity used in the Wire and Wire Products Industry, 1959

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: ¹		
Bituminous coal:		
(a) From Canadian mines..... ton	7,809	96,422
(b) Imported..... "	8,044	103,485
Anthracite coal..... "	3,683	46,807
Coke..... "	22	511
Gasoline (including gasoline used in cars and trucks)..... Imp. gal.	208,583	76,550
Fuel oil including kerosene or coal oil..... "	3,472,965	393,286
Wood..... cord	360	3,060
Gas (a) Liquefied petroleum gases..... Imp. gal.	152,212	36,355
(b) Other manufactured gas..... M cu. ft.	574,184	213,587
(c) Natural gas..... "	373,302	257,905
Other fuel.....	...	2,504
Electricity purchased..... kwh.	121,072,870	975,667
Steam purchased.....	..	120,113
2. Estimate for establishments for which no data were collected: ²		
Cost of fuel and electricity.....	...	138,031
3. All establishments:		
Total cost of fuel and electricity.....	...	2,464,283

¹ Establishments generally reporting value of shipments of \$300,000 and over.² Establishments generally reporting value of shipments of less than \$300,000.

Directory of Firms in the Wire and Wire Goods Industry, 1959

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., (Sydney works) ¹	Sydney
New Brunswick:	
New Brunswick Wire Fence Co. Ltd.	402 Main St., Moncton
Dominion Steel and Coal Corp. Ltd. (Pender works) ¹	320 Charlotte St., Saint John
Grand Falls Industries Ltd.	Grand Falls
Quebec:	
Aluminum Industries Ltd.	1150 Marie Victorin Blvd., Ville Jacques Cartier
Anglo-Canadian Wire Rope Co. Ltd.	125 Rockfield Ave., Lachine
Artistic Wire Works Limited	8152 Drolet St., Montreal
Beaver Wire Mfg. Co.	2211 rue Champlain, Montreal
Belanger, J.A.	Rivière Bleue
Canadian Blank Book Company	8530 Esplanade, Montreal 14
Canadian Staples Limited ¹	6705 Upper Lachine Rd., Montreal 28
Cantis, Paul	7399 Ave de Lorimier, Montreal
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 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
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. ¹	3000 Rue St. Prosper, St. Hyacinth
Modern Wire Works Reg'd.	6613 Papineau Ave., Montreal
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	5701 Cote St. Paul, 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	Marieville
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. ¹	2625 Duchesne, St. Laurent
United Shoe Machinery Co. of Canada, Ltd.	2610 Bennett Ave., Montreal 4
Wallace Barnes, The, Co. Limited	119 Hymus Blvd., Pointe Claire
Webster & Horsfall (Canada) Ltd. ¹	3350 Bellefeuille St., Three Rivers
World Wide Staple Co. Inc.,	231A Cremazie Blvd. West, Montreal
Ontario:	
Andrews Wire Works of Canada Ltd.	Watford
Armour Art Craft	298A King St. E., Toronto 2
Artcraft Shoppe	155 George St., Toronto 2
Atlas Nail & Wire Company	1 Adam St., Kitchener
Atmos Mfg. Co.	Stoney Creek
Beaverton Specialties Limited	Beaverton
Bennett Wire Products Co.	349 Huron St., Toronto 5
Bonne Industries Ltd.	1149-53 Queen St. W., Toronto 3

¹ Wire-drawing plants.

Directory of Firms in the Wire and Wire Goods Industry, 1959 - Continued

Name	Address
Ontario - Concluded:	
Bostitch (Toronto) Ltd.	55 Main St., Mimico, Toronto 14
Bull Dog Lacer Co. of Canada Ltd.	14 Ferguson Ave., 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
Ergon Wire & Steel Products	500 Greenwood Ave., Toronto
Ferrier Wire Goods Company	22 Mulock Ave., Toronto 9
Fitzgerlad-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	428 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 Clamp & Stampings Ltd.	150 Chatham St., Hamilton
Hamilton Wire Designs	R.R. 3, Guelph
Hamilton Wire Products Company Ltd.	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.	152 A King St. E., Toronto 2
Lundy Steel Products, Limited	Dunnville
Marcus Spring-Company Ltd.	71 Ossington Ave., Toronto 3
Marshall Specialty Co. Ltd.	390 Alliance Ave., Toronto
May, Bruce, Manufacturing	39 Dussek 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
Steel 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
Wiresmith Manufacturing Co.	196 Adelaide St. West, Toronto
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, 1959 - 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	6907 - 104th St., Edmonton
Anchor Wire Products Limited	66th. Ave. & Centre St. South, Calgary
Atlas Ty and Supply Co. Ltd.	3005 - 26th Ave. S.W., Calgary
Gates Forming Accessories Ltd.,	438 - 11th Ave. S.E., Calgary
Irving Wire Products Ltd. ¹	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	Grandville 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.	1101 Union St., Vancouver
Wright's Canadian Ropes Limited	350 S.E., Marine Drive, Vancouver

¹ Wire-drawing plants.

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