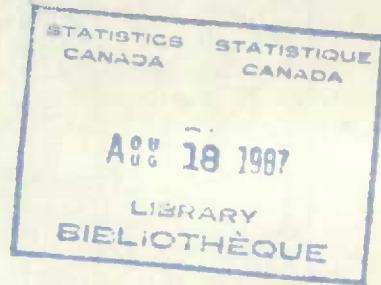


CATALOGUE No.

41-208

ANNUAL

SEP 29 1960



THE HARDWARE, TOOLS AND CUTLERY INDUSTRY

1958



Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division

September, 1960
6523-515

Price 50 cents

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
41-201	Iron and Steel Products — General Review (A).....	.50
42-202	The Agricultural Implements Industry (A) .....	.50
41-205	The Boilers and Plate Work Industry (A).....	.50
41-207	The Bridge Building and Structural Steel Industry (A) .....	.25
41-208	The Hardware, Tools and Cutlery Industry (A) .....	.50
41-209	The Heating and Cooking Apparatus Industry (A) .....	.50
42-208	The Machinery Industry (A) .....	.50
42-207	The Machine Shops Industry (A) .....	.50
41-210	The Iron Castings Industry (A) .....	.50
41-203	The Primary Iron and Steel Industry (A) .....	.75
41-213	The Sheet Metal Products Industry (A) .....	.50
41-216	The Wire and Wire Goods Industry (A) .....	.50
41-217	The Miscellaneous Iron and Steel Products Industry (A) .....	.50
41-001	Primary Iron and Steel (M)	per year 3.00
41-002	Steel Ingots and Pig Iron (Preliminary) (M).....	per year 1.00
41-003	Production of Pig Iron and Steel (M)	per year 1.00
41-004	Iron Castings and Cast Iron Pipes and Fittings (M)	per year 1.00
41-005	Stoves and Furnaces (M)	per year 1.00
41-006	Steel Wire and Specified Wire Products (M).....	per year 1.00
41-212	Scrap Iron and Steel (A) .....	.25
63-203	Farm Implement and Equipment Sales (A) .....	.50
64-202	Household Facilities and Equipment (A) .....	.50
43-006	Air Conditioning and Refrigeration Equipment (M).....	per year 1.00
(S.C.)	Sanitaryware (M)	per year 1.00
(S.C.)	Scrap Iron and Steel (M)	per year 1.00
(S.C.)	Domestic Water Tank Heaters (M)	per year 1.00
(S.C.)	Domestic and Farm Water Systems (M)	per year 1.00
(S.C.)	Builders' Hardware (M)	per year 1.00
(S.C.)	Heating Boilers and Radiators (M)	per year 1.00
(S.C.)	Domestic Range Boilers (M)	per year 1.00
(S.C.)	Cemented Tungsten Carbide (M)	per year 1.00
(S.C.)	Welding Electrodes (M)	per year 1.00
(S.C.)	Grinding Balls (A) .....	.25
(S.C.)	Fans, Unit Heaters and Ventilators (A) .....	.25
31-201	General Review of the Manufacturing Industries (A)	2.00
31-001	Inventories, Shipments and Orders in Manufacturing Industries (M)	per year 4.00
65-004	Trade of Canada — Exports (M)	per year 7.50
65-007	Trade of Canada — Imports (M)	per year 7.50

*Remittances should be in the form of cheque or money order,
made payable to the Receiver General of Canada and forwarded to
the Information Services Division, Dominion Bureau of Statistics,
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.
- P preliminary figures.

THE HARDWARE, TOOLS AND CUTLERY INDUSTRY

1958

Factory shipments in 1958 by establishments in the Hardware, Tools and Cutlery Industry in Canada amounted to \$158,197,433, a slight decrease from the \$159,653,914 reported in 1957.

A total of 430 plants, which were occupied chiefly in the manufacture of hardware, cutlery, hand tools and related products, were classified to this industry. Of these, 308 were located in Ontario, 89 in Quebec, 22 in British Columbia, 5 in Manitoba, 3 in Nova Scotia and 3 in Alberta. These firms gave employment to a total of 13,448 people who were paid \$51,129,187 in salaries and wages. Materials used in manufacturing processes cost \$55,935,832 and expenditures for fuel and electricity amounted to \$2,257,863.

Output included bolts, nuts, rivets, hardware, safety razors and blades, saws and parts, screw machine products, knives, axes, hatchets, spades,

forks, shovels, files, carpenter's tools, etc. Tables 5 to 13 give the total output in Canada from all industries, of some of the more important of these commodities.

Note: 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 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 1. Principal Statistics of the Hardware, Tools and Cutlery Industry, Significant Years 1929-58 and by Provinces, 1957 and 1958

Year and province	Establishments	Employees	Salaries and wages	Cost of fuel and electricity at works	Cost at plant of materials used ¹	Value added by manufacture ¹	Gross selling value of factory shipments
number							
1929	127	7,259	8,417,837	590,740	9,071,258	17,996,314	27,658,312
1933	145	4,256	3,643,838	331,301	3,003,383	6,427,282	9,761,966
1937	148	6,511	7,239,623	519,154	7,663,076	14,282,488	22,464,718
1939	154	6,756	7,590,826	527,626	7,385,636	15,082,162	22,995,424
1943	241	19,228	33,222,087	1,347,034	24,233,712	65,715,287	91,296,033
1946	276	15,868	27,259,296	1,320,846	22,823,598	48,915,105	73,059,549
1949	281	12,226	27,377,079	1,418,766	23,915,194	51,075,063	76,409,023
1954	379	13,264	42,207,529	1,843,959	40,147,473	77,271,555	118,483,115
1955	379	13,115	44,581,498	2,045,341	49,174,071	83,468,849	133,572,735
1956	392	14,614	51,857,827	2,200,955	60,033,290	98,882,470	158,406,440
1957							
Nova Scotia	3	50	107,349	10,486	109,769	205,402	332,666
Quebec	82	2,769	9,754,913	464,986	11,033,640	20,761,089	32,049,926
Ontario	304	10,424	40,200,557	1,762,262	44,718,124	72,541,686	118,170,199
Manitoba	5	56	143,570	8,848	96,123	216,420	319,293
Alberta	3	34	109,940	4,091	203,210	213,932	420,040
British Columbia	22	519	2,098,513	102,954	3,657,492	4,873,172	8,361,790
Canada	419	13,852	52,414,842	2,353,627	59,818,358	98,811,701	159,653,914
1958							
Nova Scotia	3	39	89,973	8,692	106,127	192,062	301,629
Quebec	89	2,972	10,244,304	472,461	12,761,810	20,808,959	33,756,608
Ontario	308	9,861	38,531,021	1,655,514	39,149,367	74,524,036	114,925,346
Manitoba	5	50	136,517	6,944	141,132	221,669	365,502
Alberta	3	32	118,443	3,905	241,307	219,211	471,316
British Columbia	22	494	2,008,929	110,347	3,536,089	4,697,719	8,377,032
Canada	430	13,448	51,129,187	2,257,863	55,935,832	100,663,656	158,197,433

¹ See note to text.

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. Inventories,¹ 1958

	Raw materials and supplies	Goods in process ²	Finished goods of own manufacture	Total
dollars				
Opening:				
Quebec	3,416,606	1,836,099	2,464,602	7,717,307
Ontario	12,340,841	6,404,018	10,518,158	29,263,017
British Columbia	909,299	525,581	403,355	1,838,235
Other provinces	147,258	13,476	60,595	221,329
Canada	16,814,004	8,779,174	13,446,710	39,039,888
Closing:				
Quebec	3,716,965	1,883,403	2,703,920	8,304,288
Ontario	11,086,245	6,630,923	10,694,824	28,411,992
British Columbia	884,022	568,692	327,367	1,780,081
Other provinces	113,009	17,633	59,040	189,682
Canada	15,800,241	9,100,651	13,785,151	38,686,043

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 Hardware, Tools and Cutlery Industry for the year under review are shown in the above table.

(c) The opening inventory for the current year may not necessarily agree with the closing inventory published the previous year, because of changes in the composition of the industry, such as the addition of new establishments, the disappearance of old ones, or the transfer of establishments to other industries for statistical purposes. The figure for value added by manufacture for the previous year does not need to be altered because of such changes in the composition of the industry.

² See note to text.

TABLE 3. Products Made in the Hardware, Tools and Cutlery Industry, 1957 and 1958

Item	1957		1958	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
Safety razors and blades, steel table cutlery, scissors, army knives, etc. ....	...	5,788,102	...	6,119,726
Hardware:				
Appliance .....	..	405,998	..	457,280
Automobile .....	..	2,977,909	..	2,518,392
Builders' and shelf .....	..	17,404,349	..	19,250,229
Furniture and cabinet .....	..	5,649,639	..	6,503,667
Trunk and suitcase .....	..	472,569	..	441,418
Other hardware .....	..	4,725,463	..	4,853,583
Hand implements:				
Axes and hatchets	406,348	881,048	323,530	722,065
Canthooks, peavies and pikepoles	—	247,391	—	196,024
Forks	263,649	468,061	216,428	481,122
Hoes	152,268	216,207	120,238	182,762
Rakes	313,585	504,088	131,802	213,479
Spades, shovels and scoops	759,564	1,660,699	889,253	1,917,386
Other hand implements .....	...	338,038	...	651,806
Tungsten carbide products:				
Tools, including masonry drills .....	..	1,656,488	..	1,180,325
Dies .....	..	291,270	..	368,243
Other products (tips or blanks and rock drill bits) .....	..	5,969,599	..	5,497,054
Tools, hand and small: ¹				
Automotive tools (hand and power-driven) .....	..	1,368,189	..	2,088,561
Carpenters' and mechanics', including files .....	..	7,214,255	..	6,874,538
Jigs and fixtures .....	..	2,946,832	..	2,421,891
Machine knives .....	..	1,866,901	..	1,396,780
Drills, taps, bits, reamers, punches and threading dies (including screw plates) .....	..	4,456,551	..	4,264,882
Milling cutters .....	..	1,268,951	..	813,327
Other tools .....	..	7,763,742	..	6,887,187

See footnote at end of table.

TABLE 3. Products Made in the Hardware, Tools and Cutlery Industry, 1957 and 1958 — Concluded

Item	1957		1958	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
Miscellaneous:	No.	\$	No.	\$
Bolts, nuts, rivets, washers, screws and allied products	31,879,591	..	27,010,778
Casters, other than glass	1,568,963	..	1,523,239
Dies for drawing, cutting or stamping ¹	11,041,795	..	12,629,135
Saws, metal-cutting; including circular, band and hacksaw blades (hand and power)	2,355,113	..	2,106,068
Saws, wood-cutting, and parts (see Table 6)	5,583,207	..	5,745,871
Received from custom and repair work	3,203,669	..	2,897,195
All other products	27,479,237	..	29,980,420
Totals	159,653,914	..	158,197,433

¹ Does not include tungsten carbide type since 1952.

Note: Data given in the above table are for the Hardware, Tools and Cutlery Industry which includes only the firms that make hardware, tools and cutlery as their main products. These articles were made also as minor products by firms in other industries. For total output figures, see Tables 5 to 13, inclusive.

TABLE 4. Materials Used in the Hardware, Tools and Cutlery Industry, 1957 and 1958

Material	1957		1958		
	Quantity	Cost at works	Quantity	Cost at works	
Iron and steel.		\$		\$	
Castings:					
Iron (Gray and malleable)	ton	2,322	759,041	2,371	920,115
Steel	"	701	277,266	484	190,761
Pig iron	"	1,345	75,041	1,291	84,750
Bars and rods	"	45,134	6,574,437	26,945	4,045,043
Plates	"	3,941	614,362	3,576	632,648
Sheets:					
Plain	"	12,497	1,911,028	13,355	2,114,868
Galvanized	"	412	74,591	325	50,798
Tin plate	"	1	337	2	2,020
Strip	"	8,258	1,680,122	7,821	1,695,791
Structural shapes	"	1,930	367,195	1,345	198,476
Wire	"	19,907	3,694,149	19,066	3,584,525
Alloy steel:					
Stainless:					
Billets, bars and rods		242,215	..	314,409	
Other stainless		420,888	..	463,920	
Other alloy and tool steel (including carbon, alloy and high-speed steels):					
Billets, bars and rods		4,621,317	..	5,720,163	
Other		1,887,825	..	1,705,435	
Scrap iron and steel:					
Purchased	ton	413	16,348	240	9,127
Own make	"	59	2,473	102	1,950
All other iron and steel .....		..	2,147,667	..	1,832,393
Non-ferrous metals:					
Aluminum:					
Castings	lb.	146,047	103,418	156,751	92,415
Sheet	"	536,803	261,722	539,118	268,552
Other	"	2,465,315	1,025,310	3,070,634	1,337,618
Bronze and brass	"	3,923,402	1,870,802	4,563,671	2,083,342
Copper:					
Sheet	"	47,915	26,768	23,692	13,284
Wire	"	79,545	45,042	41,324	22,823
Other forms	"	391,537	195,688	232,177	121,434
Lead	"	471,845	98,338	481,405	78,226
Nickel	"	85,496	54,689	64,012	43,966
Tin	"	193,989	194,635	190,183	192,208
Zinc	"	2,682,833	475,762	3,146,134	510,883
Other non-ferrous .....		..	176,496	..	179,493
Other materials:					
Handles .....		..	752,714	..	846,694
Paints, oils and varnishes .....		..	198,541	..	195,407
Lumber	M ft. b.m.	2,653	318,286	2,621	318,601
Shipping containers .....		..	2,003,219	..	1,986,208
Other materials .....		..	26,650,626	..	24,077,486
Totals .....		..	59,818,358	..	55,935,832

TABLE 5. Factory Shipments of Hardware, 1957 and 1958 (from All Industries)

	Selling value at works	
	1957	1958
dollars		
Builders' and shelf	18,080,000	19,787,000
Harness and saddlery	170,000	129,000
Pole line (except insulators)	11,988,000	12,303,000
Automobile	7,884,000	7,225,000
Furniture and cabinet	5,825,000	6,526,000
Trunk and suitcase	473,000	441,000
Other	4,707,000	5,024,000
Totals	49,128,000	51,437,000

TABLE 6. Factory Shipments of Wood-Cutting Saws, 1957 and 1958 (from All Industries)

	Selling value at works	
	1957	1958
dollars		
Power saws:		
Circular	1,436,000	1,405,000
Band	649,000	656,000
Drag and gang	52,000	60,000
Crosscut saws	164,000	175,000
Webb Saws	47,000	50,000
Hand-saws	504,000	530,000
Parts for above, including saw-teeth	1,350,000	1,340,000
Power chain saws ¹	9,746,000	7,170,000
Parts for power chain saws		
Totals	13,948,000	11,386,000

¹ Separate data on chain saws not available for publication.

TABLE 7. Factory Shipments of Axes and Hatchets, 1949-58 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1949	621,012	746,752	1954	456,000	762,000
1950	629,000	867,000	1955	504,000	893,000
1951	552,000	1,031,000	1956	512,000	1,013,000
1952	613,000	1,047,000	1957	406,000	881,000
1953	494,000	815,000	1958	324,000	722,000

TABLE 8. Factory Shipments of Spades and Shovels, 1949-58 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1949	1,033,124	1,229,346	1954	871,000	1,255,000
1950	947,000	1,262,000	1955	1,054,000	1,695,000
1951	1,021,000	1,646,000	1956	1,134,000	2,182,000
1952	1,250,000	1,872,000	1957	815,000	1,733,000
1953	1,037,000	1,594,000	1958	1,158,000	2,438,000

TABLE 9. Factory Shipments of Forks, Rakes, Hoes and Peavies, 1949-58
(from All Industries)

Year	Forks		Rakes		Hoes		Peavies, canthooks and pike poles
	Number	Selling value at works	Number	Selling value at works	Number	Selling value at works	
		\$		\$		\$	
1949	462,003	583,471	208,086	175,044	215,766	193,775	237,466
1950	405,000	530,000	288,000	248,000	238,000	213,000	278,000
1951	308,000	398,000	188,000	193,000	204,000	185,000	405,000
1952	376,000	541,000	275,000	276,000	219,000	223,000	409,000
1953	310,000	459,000	299,000	310,000	243,000	256,000	368,000
1954	302,000	422,000	255,000	245,000	226,000	226,000	506,000
1955	281,000	418,000	296,000	313,000	211,000	225,000	487,000
1956	301,000	478,000	331,000	377,000	209,000	238,000	561,000
1957	264,000	468,000	314,000	504,000	153,000	216,000	302,000
1958	216,000	481,000	132,000	213,000	120,000	183,000	232,000

TABLE 10. Total Production and Factory Shipments of Nails, Tacks, and Staples, 1954-58
(from All Industries)

Year	Iron and steel wire staples	Iron and steel wire nails and spikes	Wire and cut tacks of all kinds	Iron and steel cut nails	
1954					
Quantity made		32,459	1,598,143	1,921,431	12,770
Quantity sold		28,124	1,505,837	2,051,754	13,634
Value of sales	\$	279,849	12,124,580	601,554	165,357
1955					
Quantity made		31,213	1,788,919	1,962,196	17,649
Quantity sold		33,101	1,862,558	2,034,687	17,647
Value of sales	\$	326,681	15,448,759	570,626	248,078
1956					
Quantity made		27,929	1,851,607	2,827,621	13,394
Quantity sold		27,315	1,723,217	2,701,429	13,808
Value of sales	\$	283,315	16,547,899	896,568	157,602
1957					
Quantity made		18,988	1,382,635	2,475,193	12,660
Quantity sold		21,719	1,397,001	2,431,531	12,032
Value of sales	\$	251,554	13,941,686	883,912	141,480
1958					
Quantity made		20,727	1,659,325	2,219,474	10,692
Quantity sold		25,861	1,658,129	2,356,440	12,311
Value of sales	\$	300,423	16,364,801	880,264	143,929

Note: 1 Keg = 100 pounds.

**TABLE 11. Factory Shipments of Small Tools,¹ 1957 and 1958
(from All Industries)**

	Selling value at works	
	1957	1958
dollars		
Carpenters' and mechanics', including files	7,214,000	6,875,000
Machine knives	1,867,000	1,397,000
Drills, taps, bits, reamers, punches, and threading dies (including screw-plates)	4,457,000	4,265,000
Milling cutters	1,269,000	813,000
Gauges (plugs, ring, snap, thread, etc.)	782,000	714,000
Other tools, jigs and fixtures	12,774,000	11,016,000
Totals	28,363,000	25,080,000

¹ Does not include pneumatic or electric tools.

**TABLE 12. Production¹ of Miscellaneous Steel Cutlery² 1949 - 58
(from All Industries)**

Year	Selling value at works	Year	Selling value at works
	\$		\$
1949	1,663,000	1954	2,308,000
1950	1,776,000	1955	2,568,000
1951	1,965,000	1956	3,245,000
1952	1,985,000	1957	2,757,000
1953	2,115,000	1958	2,622,000

¹ Factory shipments since 1952.

² Includes paring knives, bread-knives, army utility knives, scissors, unplated table cutlery, etc. Sterling silver and silver-plated ware not included.

**TABLE 13. Factory Shipments of Razor Blades, 1954 - 58
(from All Industries)**

	Factory shipments	
	Quantity sold	Selling value at works
	No.	\$
1954	174,308,000	3,589,000
1955	176,364,000	3,603,000
1956	180,149,000	3,803,000
1957	178,238,000	3,813,000
1958	184,262,000	4,180,000

TABLE 14. Principal Statistics, classified according to Type of Ownership, 1957 and 1958

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
1957					
Individual ownership	82	410	1,135,046	680,635	2,491,716
Partnerships	37	235	732,415	439,440	1,701,809
Incorporated companies	300	13,207	50,547,381	58,698,283	155,460,389
Totals	419	13,852	52,414,842	59,818,358	159,653,914
1958					
Individual ownership	82	382	1,182,169	712,041	2,477,327
Partnerships	38	276	867,146	366,860	1,756,373
Incorporated companies	310	12,790	49,079,872	54,856,931	153,963,733
Totals	430	13,448	51,129,187	55,935,832	158,197,433

TABLE 15. Principal Statistics of the Hardware, Tools and Cutlery Industry, in Canada, grouped according to Size of Establishment, 1957 and 1958

Establishments reporting value of factory shipments	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
1957					
Under \$10,000	30	42	72,264	39,022	146,204
\$10,000 to \$24,999	53	183	442,773	229,932	875,191
\$25,000 " \$49,999	57	337	942,507	438,762	1,994,068
\$50,000 " \$99,999	71	738	2,505,969	1,335,688	5,217,155
\$100,000 " \$199,999	61	1,024	3,778,671	3,079,472	8,778,023
\$200,000 " \$499,999	73	2,295	8,651,984	8,428,628	23,009,671
\$500,000 " \$999,999	37	2,148	8,100,280	10,658,489	26,143,722
\$1,000,000 " \$4,999,999	34	5,611	21,153,301	26,428,259	70,361,283
\$5,000,000 and over	3	1,454	6,668,799	9,180,106	23,128,597
Head offices	—	20	98,294	—	—
Totals	419	13,852	52,414,842	59,818,358	159,653,914
1958					
Under \$10,000	31	52	94,590	52,785	176,234
\$10,000 to \$24,999	56	188	493,122	285,481	988,664
\$25,000 " \$49,999	60	345	1,112,900	572,278	2,151,254
\$50,000 " \$99,999	72	751	2,582,740	1,384,084	5,173,561
\$100,000 " \$199,999	61	966	3,605,974	2,816,167	8,527,124
\$200,000 " \$499,999	72	2,115	8,163,168	7,282,614	21,397,354
\$500,000 " \$999,999	36	2,054	7,991,750	8,932,465	23,851,926
\$1,000,000 " \$4,999,999	39	5,667	21,486,126	27,638,584	77,885,714
\$5,000,000 and over	3	1,310	5,598,817	6,971,374	18,045,602
Totals	430	13,448	51,129,187	55,935,832	158,197,433

**TABLE 16. Employees and their Earnings in the Hardware, Tools and Cutlery Industry,
by Provinces, 1957 and 1958**

Province	Employees						Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total	
	Male	Female	Male	Female					
	number						dollars		
1957									
Quebec.....	420	200	1,862	287	2,769	2,962,125	6,792,788	9,754,913	
Ontario.....	1,561	797	7,033	1,033	10,424	11,214,208	28,986,349	40,200,557	
British Columbia	95	33	327	64	519	703,151	1,395,362	2,098,513	
Other provinces	19	7	105	9	140	81,753	279,106	360,859	
Canada.....	2,095	1,037	9,327	1,393	13,852	14,961,237	37,453,605	52,414,842	
1958									
Quebec.....	457	216	1,942	357	2,972	3,270,709	6,973,595	10,244,304	
Ontario.....	1,611	844	6,381	1,025	9,861	11,799,470	26,731,551	38,531,021	
British Columbia	111	37	276	70	494	810,539	1,198,390	2,008,929	
Other Provinces	22	6	85	8	121	71,900	273,033	344,933	
Canada.....	2,201	1,103	8,684	1,460	13,448	15,952,618	35,176,569	51,129,187	

TABLE 17. 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	8,046	1,366					
February	7,814	1,363					
March	7,783	1,342					
April.....	7,813	1,371					
May.....	7,837	1,361	737	35	8,574	1,396	9,970
June	7,914	1,397					
July	7,941	1,420					
August	8,044	1,416					
September	8,063	1,457					
October	8,015	1,486					
November	8,060	1,516					
December	8,031	1,486					
Average ²					8,684	1,460	10,144

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 18. Capital and Repair Expenditures in the Hardware, Tools and Cutlery Industry, 1954-58

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Con- struction	Machinery and equipment		Con- struction	Machinery and equipment		
thousands of dollars							
1954	2,549	4,343	6,892	526	2,070	2,596	9,488
1955	2,642	4,151	6,793	664	2,736	3,400	10,193
1956	3,368	5,609	8,977	711	3,074	3,785	12,762
1957	2,007	4,535	6,542	736	2,623	3,359	9,901
1958P.....	1,412	3,641	5,053	420	2,242	2,662	7,713

TABLE 19. Imports of Specified Items of Hardware, Tools and Cutlery, 1957 and 1958

Item	1957		1958		
	Quantity	Value	Quantity	Value	
Forks, pronged	doz.	7,240	\$ 85,177	8,050	\$ 77,511
Rakes, n.o.p.	"	29,192	170,534	37,116	199,788
Scythes	"	3,440	50,466	4,022	66,796
Sickles or reaping-hooks	"	1,142	8,358	2,393	17,775
Hoes	"	3,152	32,768	3,604	27,231
Post hole diggers and parts	No.	3,910	133,800	3,189	233,736
Spades and shovels, of iron or steel, n.o.p.	doz.	10,316	130,387	9,072	120,747
Knives and forks, table, of steel, n.o.p.		—	1,258,424	—	1,625,770
Pen-knives, jack-knives and pocket-knives of all kinds		—	527,892	—	583,525
Razors, n.o.p., and parts		—	278,699	—	227,663
Safety razor blades	doz.	2,285,995	185,671	2,458,738	187,784
Scissors and shears, n.o.p.		—	1,170,765	—	1,215,480
Knives, butcher and kitchen		—	414,045	—	600,544
All other knives, n.o.p.		—	433,901	—	444,772
Spoons		—	396,251	—	456,685
Hinges and butts, of iron or steel, coated or not: hinge and butt blanks, of iron or steel	lb.	2,455,495	\$ 950,977	3,244,076	\$ 1,057,983
Nuts and bolts with or without threads; washers, rivets, of iron or steel, coated or not; nut and bolt blanks, of iron or steel	"	20,391,818	6,679,449	18,797,480	5,586,103
Machine and other screws, n.o.p., of iron or steel		—	2,369,668	—	1,913,892
Wood screws of iron or steel		—	229,671	—	255,951
Fish-hooks for deep sea or lake fishing, not smaller in size than No. 2.0, not for sportsmen's purposes		—	95,034	—	112,009
Hardware, viz;—builders', cabinet makers', upholsterers', and carriage hardware, n.o.p.		—	3,869,862	—	4,391,819
Locks, n.o.p.		—	720,439	—	784,601
Skates of all kinds, roller or other, and parts thereof	pair	158,533	265,061	165,898	292,133
Anvils and vises		—	467,840	—	398,561
Augers, bits and drills		—	2,783,324	—	2,234,671
Axes	doz.	12,617	143,892	10,795	132,410
Files, manicure		—	51,145	—	49,058
Files, n.o.p., and rasps	doz.	136,787	605,807	119,107	592,820
Hacksaw blades		—	223,986	—	259,079
Saws, n.o.p.		—	624,569	—	586,060
Wrenches		—	2,980,795	—	2,773,363
Adzes, cleavers, hatchets, screw-drivers, planes, spokeshaves, chisels, mallets, metal wedges, sledges, hammers, crowbars, cantdogs, track tools, picks, mattocks; eyes or polls for the same		—	1,812,877	—	1,723,881
Engineers', surveyors', draftsmen's, machinists' or metal-workers' precision tools and measuring instruments, and parts, as enumerated in tariff items 431c and 431d		—	7,084,642	—	6,626,857
Tools for use in machines		—	9,898,234	—	10,336,263
Tools, n.o.p.		—	9,550,166	—	9,028,427

TABLE 20. Exports of Specified Items of Hardware, Tools and Cutlery, 1957 and 1958

Item	1957		1958	
	Quantity	Value	Quantity	Value
Garden and farm tools		\$ 99,226		\$ 60,893
Spades and shovels, and parts doz.	1,606	34,164	1,813	37,687
Razors and razor blades of all kinds	—	4,774	—	8,284
Cutlery, n.o.p., not plated	—	5,685	—	9,733
Bolts and nuts of iron and steel cwt.	21,415	377,194	61,453	1,049,117
Locks of iron or steel	—	6,366	—	2,465
Screws of iron and steel	—	10,850	—	17,462
Ice skates pair	957,922	1,477,916	857,880	1,208,020
Hardware, n.o.p.		581,760	—	725,067
Axes doz.	2,805	76,443	1,482	39,449
Files and rasps "	393,492	1,168,111	373,561	1,132,115
Saws, n.o.p. (except power-operated)	—	326,600	—	181,277
Taps and dies	—	454,844	—	326,736
Wrenches	—	83,040	—	38,458
Tools, n.o.p.	—	793,367	—	401,174

TABLE 21. Fuel and Electricity Used in the Hardware, Tools and Cutlery Industry, 1958

Kind	Quantity	Cost value at factory
1. Establishments reporting commodity detail: ¹		\$
Bituminous coal (a) From Canadian mines	ton	2,188
(b) Imported	"	8,469
Anthracite coal	"	483
Coke (for fuel only)	"	419
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	379,057
Fuel oil - including kerosene or coal oil	"	3,673,243
Wood	cords	3,754
Gas (a) Liquefied petroleum gases (propane)	Imp. gal.	277,947
(b) Other manufactured gas	M cu. ft.	8,773
(c) Natural gas	"	855,457
Other fuel		—
Electricity purchased	kwh.	69,354,601
Steam purchased		—
2. Establishments not reporting commodity detail: ¹		
Total cost of fuel .....		...
Electricity purchased		66,942
63,118		
3. All establishments:		
Total cost of fuel .....		...
Total cost of electricity		1,233,981
Total cost of fuel and electricity		1,023,882
		2,257,863

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 22. Total Horsepower Rating of Equipment in Use or Available for Use in the Hardware, Tools and Cutlery Industry, at End of 1958

Type of equipment	Driving generators	Not driving generators
	horsepower	
A. Prime movers:		
Gasoline, gas and oil engines, other than diesel engines	—	173
Total	—	173
B. Electric motors (one-quarter horsepower and over)	—	55,389

List of Firms in the Hardware, Tools and Cutlery Industry, 1958

Note: This is not intended to be a complete list of concerns which made hardware, tools and cutlery. It is a list of the companies which were occupied chiefly in making these items, but there may have been firms in other industries which made same as minor products of their operations.

Name	Address
Nova Scotia:	
Blenkhorn & Sons Ltd.	Canning
Morrison, H.K. & Sons	R.R. No. 2, Mount Uniacke
Starr Manufacturing Works Limited	Dartmouth
Quebec:	
A.B.C. Tool & Die & Mfg. Co. Reg'd.	2381 Des Carrières, Montreal
Acme Mold & Die	6031 De Normanville St., Montreal
Active Tooling Reg'd.	1190 Drummond, Montreal
Aero Mechanique Ltée	1 Rue Dery, Beauport
Boisvert, J.R., & Cie Ltée	Grandes Piles
Bristol Cutlery Co.	333 Broadway, Montreal
Brunner & Lay, Canada Ltd.	P.O. Box 681 Dorval Station
Canada Sealing Devices Reg'd.	3595 Monselet Rd., Montreal N.
Canadian "Cinch" Anchoring Systems Ltd.	2095 Madison Ave., Montreal
Canadian Cutting Dies Reg'd.	694 Des Saules Est., Quebec
Canadian Die Works Reg'd.	1007A St. Elizabeth St., Montreal
Canadian Tool Engr. Co.	254 Queen St., Montreal
Canadian Tube & Steel Products	5870 St. Patrick St., Montreal
Canadian Wire, Die Works Ltd.	2825 Jacques-Hertel, Montreal
Canuel, Onezime	St. Ulric, Co. Matane
Capitol Industries Ltd.	5680 Fulham St., Montreal
Carrier, Lucien	2470 Ave. St. Joseph, St. Hyacinthe
City Steel Rule Dies	11085 Leblanc, Montreal N.
Denman Engraving Reg'd.	360 Recollet St., Montreal
D'Errico Tool & Die	2940 - 36th St. Ville St. Michel
Diacan Co. Reg'd.	772 Ogilvy Avenue, Montreal
Die-makers Ltd.	8275 Durocher St., Montreal
Dominion Lock Co. Ltd.	7301 Decarie Blvd., Montreal
Engineering Products of Canada, Ltd.	5035 Ontario St. E., Montreal
Esty Limited	Wheeler St. Bedford
Evans Rule Investments Ltd.	5653 Pare St. Montreal
Forrest, J.A., Engr.	1050 Chemon Cote, Montreal
Fuller Tool Co. Ltd.	940 Cote de Liesse, Montreal
Furniss Clarke & Co. Limited	6625 St. Lawrence, Montreal
Gardner Steel Limited	98 Fourteenth St., Noranda
Gillette of Canada, Ltd.	1450 Cote de Liesse Road, Town of Mount Royal
Glo-Hill Cutlery Company Ltd.	425 River St., Verdun
G.R.S. Tool & Die Inc.	4230 Hogan St., Montreal
Hamelin Engraving Reg'd.	4591 Brebeuf St., Montreal
Ideal Builders Hardware Corp.	9 Brooke Ave., Montreal 6
Industrial Screw Machine Works Ltd.	8203 Casgrain St., Montreal
Industrial Stampings, Limited	Bromptonville
Jude Tooling & Machining Co.	679 St. Remi, Montreal
La Compagnie Des Scies "Champion" Ltée	764 St. Vallier Ouest, Quebec
Lassonde Cutlery of Canada Ltd.	1500 Laframboise St., St. Hyacinthe
Laurentian Metal Products Company Limited	40 Montcalm St., Hull
Le Page Brothers Company	1540 Craig St. E., Montreal
London Steel Rule Die Company Ltd.	141A Metropolitan Blvd. Montreal
Mahon Hardware Mfg. Co. Limited	5010 St. Patrick St., Montreal
Maple Leaf Cutlery Co. Ltd.	11341 Sherbrooke St. E. Montreal East
Materials Engineering Co.	635 Mercille Ave., St. Lambert
Mayer Sealing Devices Reg'd.	11425 Cherrier St., Montreal East
Mercil & Frère Engr.	27 rue St-Georges, Fort Chamby
Metal Rousseau Metal Inc.	St. Jean, Port Joli, Co. de L'Islet
Metal Works Ltd.	425 River St., Verdun
Metro Engineering Company Ltd.	55 Milton Ave., Ville St. Pierre
Monarch Punch & Die Enrg. Co. Ltd.	5721A St. Denis St., Montreal
Montfield Metal Products Ltd.	970 St. Georges St., Montreal
Montreal Die Works Ltd.	4216 Gascon Ave., Montreal
Montreal Hardware Mfg. Co., Limited	2567 Notre Dame St. E., Montreal
Montreal Steel Rule Dies	1362 Jean Talon St. E., Montreal
North Star Engineering Products	5748 Decarie Blvd., Montreal
Pal Blade Corp., Ltd.	2055 Desjardins Ave., Montreal
Peterhill Engineering Co.	282 Ontario St. W., Montreal
Precision Automatic Mach., Prod. Reg'd.	2291 Louis Veuillot, Montreal
Precision Steel Rule Dies Ltd.	7192 Grand St., Montreal
Preci-Tools Ltd.	1070 Bleury St., Montreal
Production Tools & Mfg. Reg'd.	4690 De Mobile, Montreal
Quebec Moulds & Dies Inc.	18 Commercial St., Lévis
Quebec Steel Products Ltd.	45 St. Joseph St., Lachine

List of Firms in the Hardware, Tools and Cutlery Industry, 1958 - Continued

Name	Address
Quebec - Concluded:	
Rapid Bit Co.	5236 Angers St., Montreal
Rapid Steel Rule Die	5954 St. Hubert, Montreal
Raymond Manufacturing Co. Ltd.	1000 Sherbrooke St., Lachine
Reliable Engraving Co.	360 Le Moyne St., Montreal
Richard, A., Ltée	11 Jacques Cartier, Berthierville
Safety Equipment Co. Ltd.	2115 Old Orchard, Montreal
Sandvik Canadian Limited	5675 Royal Mount Ave., Montreal
Sido Limited	555 Blvd. Boivin, Granby
Simonds Canada Saw Co. Limited	595 St. Remi St., Montreal
Stanley Tool Co. of Canada, Limited	Roxton Pond
Steel Rule Dies, Reg'd	716 St. James St. W., Montreal
St. Martin Die Casting Co. Ltd.	2 Rue St. Gilbert, St. Marc Des Carrières
Swecan Saw Co.	6967 Rue De Gaspe, Montreal
Threepoint Products	15 Ontario St. W., Montreal
Tool & Die Precision Works Ltd.	703 Notre Dame St. W., Montreal 3
Triplex Engineering Co. Ltd.	9810 St. Urbain St., Montreal
Union Twist Drill Co.	Rock Island, Stanstead
Unique Sash Balance Co. Ltd.	4070 Namur St., Montreal
Universal Die & Tool Mfg. Limited	2125 East Ste. Catherine St., Montreal
Universal Stamping & Die Works Inc.	5 Courcelette, Quebec
Villeray Metallic Industries Ltd.	9180 Blvd. St. Laurent, Montreal
Vulcan Machine Works	161 Belanger St., St. Jérôme
Walters Axe Co. Ltd.	85 Front St., Hull
Whitehouse, A.E., Fastenings Ltd.	970 St. George St., Montreal
Ontario:	
Accurate Tool & Die Works	1244A Dufferin St., Toronto
Ace Tool & Mfg. Co.	1287 Windsor Ave., Windsor
Acro Machine & Tool Company Limited	427 Birchmount, Scarborough
Action Engineering Co.	572 Pierre Ave., Windsor
Advance Machine & Tools Co. Ltd.	1160-1164 Albert Rd., Windsor
Advance Metal Industries Ltd.	139 Dundas St., Kitchener
Advanced Wire Die Ltd.	81 Carling St., London
Aerometal Products & Design Limited	195 Bentworth Ave., Toronto
Aladdin Industries (Canada) Ltd.	1401 Queensway, Toronto
Amalgamated Tool & Die Company	7 Wabash Ave., Toronto 3
Amerock Cabinet Hardware Ltd.	Meaford
Animal Trap Co. of America	Ellen Ave., Niagara Falls
Applied Engineering	51 Cranfield Rd., Toronto
Arrow Tools Ltd.	1501 Crawford Ave., Windsor
Asco Mfg. Ltd.	50-52 Metcalfe St., Toronto 3
Ascot Tool Co.	120 Ascot Ave. (rear), Toronto 10
Ashman Industries Limited	644 Main St. W., Hamilton
Automatic Screw Machine Products Limited	1171 Queen St. W., Toronto
Barker-Thorne Ltd.	120 Tycos Dr., Toronto 19
Bathurst Tool & Machine Ltd.	578 Front St., Toronto
Beasant, C.W.	127 Manville Rd., Toronto
Bennett & McPhee	1230 Dundas St. E., Toronto
Bertram, John & Sons Co. Ltd.	Hatt St., Dundas
Beswick Tool & Die	1701 Shepherd St. E., Windsor
Black & Decker Mfg. Co. Ltd.	Perth St., Brockville
Bluejet Canada Limited	23 Racine Rd., Rexdale
Bolton Die Company	3245 Byng Dr., Windsor
Bond Engineering Works Limited	16 Munition St., Toronto 2
Border Tool & Die Ltd.	2946 Walker Rd., Windsor
Bowman, Joe P.	292 Murray St., Brantford
Brant Engineering & Tool Co. Ltd.	38 Elgin St., Brantford
Brasier, Frank & Co.	3487 Dundas St. W., Toronto
Brasier Products Ltd.	6 Cross St., Dundas
Breen Wire Products Ltd.	13 Blackburn St., Toronto 8
Bryant Pattern & Mfg. Co. Ltd.	225 Eugenie St., Sandwich W.
Brydon Brass Mfg. Co. Ltd.	Rexdale Blvd., Weston
Budd Machine Tool Co. Ltd.	825 Tecumseh Blvd. W., Windsor
Burgess Machine & Tool Ltd.	1039A Wallace St., Wallaceburg
Burke-Thumm Ltd.	14 Breadalbane St., Toronto 5
Burrell-Gardner Tool Co. Ltd.	729 Caron, Windsor
Calmore Manufacturing Co.	123 Manville Rd., Scarborough
Canada Casters Limited	344 Dundas St., Woodstock
Canada Foundries & Forgings, Limited	Water St. W., Brockville
Canada Illinois Tools Limited	75 Scarsdale Rd., Don Mills
Canada Tool Co.	145 Beverly, Galt
Canadian Advance Car Mover Co., Ltd.	145 Ross St., Welland
Canadian Desmond-Stephen Mfg. Co. Ltd.	252 Gibson Ave. N., Hamilton
Canadian Engineering & Tool Co. Ltd., (Plant # 1)	920 Mercer St., Windsor

List of Firms in the Hardware, Tools and Cutlery Industry, 1958 — Continued

Name	Address
Ontario — Continued:	
Canadian Engineering & Tool Company Limited	6th Line at Cross Ave., Oakville
Canadian General Electric Co. Ltd.	1199 Lansdowne Ave., Toronto
Canadian Koebel Diamond Tools, Ltd.	18th St. & Towns Road, New Toronto
Canadian Landis Machine Co. Ltd.	Welland
Canadian Lock Co. Ltd.	111 Richmond St. E., Toronto
Canadian Tap & Die Co. Ltd.	27 York Place, Galt
Canadian Thermos Products Ltd.	2040 Eglinton Ave. East, Toronto
Canadian Warren-Pink Limited	Ontario & Carleton Sts., St. Catharines
Center Tool & Mould Co. Ltd.	1573 McDougall Ave., Windsor
Chapat Engineering & Sales Co. Ltd.	25 Sawyer Rd., Hamilton
Charlton, J.J., Co. Ltd.	33 Sheppard Ave. W., Willowdale
Cochrane Tool & Design Ltd.	201 Ashtonbee Rd., Toronto
College Tool and Die	88 Ossington Ave., Toronto
Collison-Goll Limited	971 Weston Rd., Toronto
Colonial Tool Company Limited	1691 Walker Rd., Windsor
Coppick J.T. Industries	377 Munster Ave., Toronto
Coventry Gauge & Tool Co. (Canada) Ltd.	518 Evans Ave., Toronto
Craig Bit Company, Limited	180-9th St., North Bay
Crescent Tool & Die Ltd.	955 Assumption St., Windsor
Crowdertrack Ltd.	1614 Southdown Rd., Clarkson
Custom Die Makers Ltd.	175 Munro St., Toronto
Dafew Tool & Mfg. Co. Ltd.	85 Northline Rd., Toronto
Darnell Corp. of Canada, Ltd.	105-30th St., Toronto 14
D. & D. Steel Pule Die Carton Co.	1122 Castlefield Ave., Toronto
Delhi Die & Mfg. Co. Ltd.	170 East St., Delhi
Densmore Tool & Die Works Ltd.	1 Chestnut St., St. Catharines
Dillon Mfg. Co.	82 Ontario St., Toronto
Disco Ltd.	433 Comstock Rd., Scarborough
Do All Company of Canada Ltd., The	35 Clarkson Ave., Toronto 10
Dominion Brass Products Ltd.	65 Saultier St., Toronto
Dominion Screw Company, Ltd.	395 Weston Rd. S., Toronto
Dominion Twist Drill, Limited	1880 Assumption St., Windsor
Doherty Industries Ltd.	371 Ryding St., Toronto
Dooley Tool & Die	Rear 885 Broadview Ave., Toronto
Draper Mfg. Co. of Canada, Ltd.	Petrolia St., Petrolia
Dreher, J., Estate	127 Moore Ave., Waterloo
Dyer & Kerst, Limited	63 Duchess St., Toronto
Eagle Tool & Engineering	217 Henry St., Brantford
Economy Die Makers	56 Esplanade St., Toronto
Elan Tool & Die Ltd.	381 Park Ave. W., Chatham
Electromac Ltd.	985 St. Luke Rd., Windsor
Elliott, G.T.	338 Dundas St., Woodstock
"El-Mech" Tools Ltd.	569 Southworth St. S., Welland
Emmons Tool & Die Co. Ltd.	19 Bertrand Ave., Scarborough
E.T.F. Tools Limited	21 Woodburn Ave., St. Catharines
Extrusion Machine Co.	67 Blake, Toronto 6
F.B. Tool and Die Ltd.	237 North Vine St., St. Catharines
F.D.R. Tool and Machine Co.	1496 Concession Rd., Preston
Ferguson Tools Ltd.	8 Ripley Ave., Toronto 3
Ferrum Metal Mfg. Co.	68 Densley Ave., Toronto
Firth Brown Tools, (Canada) Ltd.	115 Dundas St., Galt
Flaherty Manufacturing Co. Ltd.	76-78 Wellington St. N., Hamilton
Flint Mfg. & Sales Ltd.	199 Ashtonbee Rd., Scarborough
Fowler, J.H.	R.R. 2 St. Thomas
Frank Tool & Die Co. Ltd.	Grahams Lane, Burlington
Franklin Metal Products	202 Pelham Rd., St. Catharines
Frazer Tool Engineering Co.	Galt
Freeway Washer Co.	122 Judge Rd., Toronto
Fruitland Tool & Mfg.	De Witts Rd., Fruitland
Furniture Hardware Ltd.	15 Ingram Dr., Toronto 3
Galt Metal Products Co.	161 Samuelson St., Galt
Galt Knife Company Limited	99 State St., Galt
Galt Wood Tool & Machine Co. Ltd.	20 Hobson St., Galt
Gilliam Components Co.	20 Sumach St., Toronto
Glen Purvis Tool & Die Co. Ltd.	300 Merritt Ave., Chatham
Globe Stamping Company Ltd.	232 Madison Ave., Kitchener
Gouger Saw Chain Co.	519 Parkdale Ave. N., Hamilton
Gray Forgings & Stampings, Limited	710 St. Clares Ave., Toronto
Hahn Brass Company, Ltd.	Waterloo St., New Hamburg
Hall & Pickles Canada Ltd.	1266 Kipling Ave. N., Rexdale
Hard Metal Fabricators Limited	731 Runnymede Rd., Toronto
Harmac Engineering	Uxbridge, Ont.
Hay, Peter, Knife Co. Limited	43 Victoria Ave., Galt
Hercules Tool & Die Limited	1695 Turner Rd., Windsor
Hi-Grade Die & Tool Co. Ltd.	Box 563, R.R. No. 1, Welland

List of Firms in the Hardware, Tools and Cutlery Industry, 1958 — Continued

Name	Address
Ontario — Continued:	
H. & J., Precision Industries	The Kingsway, Peterborough
Hollymade Hardware Mfg. Co.	22 Ripley Ave., Toronto 3
Horland Engineering Co.	1 Beaufort St., London
Imperial Tool & Die Ltd.	Martin Grove Rd. N., Rexdale
Index Machine & Tool	7 Eugenie, Windsor
Industrial Tool	Bloor St. W., Oshawa
International Engineering Co.	289 Sumach St., Toronto
International Hardware Co. of Can. Ltd.	180 Coleman St., Belleville
Irwin Bender Tool Co. Ltd.	2696 St. Clair Ave. W., Toronto 9
James Bros. Hardware Ltd.	Foster St., Perth
Jardine, A.B., & Co., Limited	Guelph Ave., Hespeler
J. & C. Tool & Die Ltd.	1197 Laurendeau, Windsor
J. & J. Tool & Mold Ltd.	1195 Westcott Rd., Windsor
Jessop Steel of Canada Ltd.	Wallaceburg
Jobborn Manufacturing Ltd.	11 Brock St. E., Hamilton
Jones Shovel Company Limited	King St., Gananoque
KBM Tool & Manufacturing Co. Ltd.	131 Wendell Ave., Toronto
Kelmar Products	158 Queenslea Ave., Weston
Kendan Mfg. Ltd.	2918 Walker Rd., Windsor
Kennametal Tools & Manufacturing Co., Limited	371 Sherman Ave. N., Hamilton
Kot Tool & Die Co.	29 Morley St., Hamilton
Krawczyk, L.	115 Melrose, Kitchener
Lacelle Tool & Die Works	3368 Dufferin St., Park Rd., Toronto 19
Laodore & Company Ltd.	354 Chilver Rd., Walkerville
Lake Simcoe Industries Ltd.	Box 100, Beaverton
Larsen & Shaw Limited	Peter and Scott Sts., Walkerton
Law & Anderson Limited	3822 Sandwich St. W., Windsor
Lawrence Engineering Co.	Bishop St., Preston
Leadercraft Ltd.	2091 Dufferin St., Toronto
Ledco Limited	161 Ottawa St. S., Kitchener
Leepo Machine Products Ltd.	69 Lauzon Rd., Riverside
Legge, G.H., Tool Engineering	60 Pollock St., Galt
Lift Lock Hardware Industries Ltd.	900 Water St. N., Peterborough
Little Metal Products	1184 Queen St., Preston
Lufkin Rule Co. of Canada Ltd., The	164 Innisfil St., Barrie
M. & B. Precision Products Ltd.	Petrie St., St. Catharines
M.S. & T. Co.	2352 Midland Ave. Agincourt
Machine Specialties	1360 Danforth Ave., Toronto 6
Mainline Tool & Die	582 Eight Line N., Oakville
Mallett Machine & Tool Works	103 Walnut Ave., Toronto
Mallory Hardware Products Ltd.	Blenheim
Maple Leaf Tool & Die Co.	40 Wellington Ave., Oshawa
Maple Machine & Tool Co.	11 Oakland Ave., Weston
Marples & Tough Ltd.	21 Jutland Rd., Toronto
Marshall Tool & Die	Main St., Lucan
Marton Mfg. Co.	163 Riverside Drive E., Windsor
Master Steel Rule Dies	Rear 4 Bartlett Ave., Toronto
McKinney-Skillcraft Ltd.	2-4 Bond St., St. Catharines
Metalair Products	11 Jutland Rd., Toronto 18
Micro Machine & Tool Co. Ltd.	121 McCormack Ave., Toronto 9
Minogue, R.J., & Co. Ltd.	1399 Hammond St., North Bay
Moczik Tool & Die Works of Canada Ltd.	R.R. No. 1, Chatham
Modern Caster Co. Ltd.	4652 Yonge St., Willowdale
Moeller Mfg. Co. (Canada) Ltd.	1760 Valley Way, Niagara Falls
Monarch Master Manufacturing Ltd.	731 Runnymede Rd., Toronto
Morrow Screw & Nut Co. Ltd.	Thames St., Ingersoll
Nack Industries Co. Ltd.	42 Ossington Ave., Toronto
National Cutlery Limited	29 Medulla Ave., Toronto 18
National Hardware Specialties Ltd.	Dresden
National Socket Screw Mfg. Co. Ltd.	Beamsville
National Tool Distributors Ltd.	641 Bishop St., Preston
Newark Tool & Machine Ltd.	44 Advance Rd., Toronto 18
Nicholson File Co. of Canada Ltd.	Highway No. 2, Port Hope
Nickleson Tool & Die Co. Ltd.	1562 Windsor Ave., Windsor
Nortex Tool & Die Co. Ltd.	1250 Birchmount Rd., Scarborough
No-So Drapery Enterprise Ltd.	34 Rosemount Ave., Toronto
Oliver, A.H., Machinery Co.	177-179 Cedar St. E., Orillia
Omark Industries Ltd.	165 York Rd., Guelph
Ontario Die Company Limited	119 Roger St., Waterloo
Ontario Mould & Die Co.	117 Cheever, Hamilton
Onward Mfg. Co. Limited	1027 King St. E., Kitchener
Oregon Saw Chain Ltd.	165 York Rd., Guelph
Owen Sound Die & Engineering	1515-2nd Ave. E., Owen Sound
Oxford Precision Products Ltd.	Dundas St. E., Woodstock
Paragon Metal Industries Ltd.	193 King E., Toronto

List of Firms in the Hardware, Tools and Cutlery Industry, 1958 - Continued

Name	Address
Ontario - Continued:	
Park Machine Knives Ltd.	165 Barton St. W., Hamilton
Parmenter & Bulloch Mfg. Co. Limited	Clarence St., Gananoque
Peerless Engineering Ltd.	132 Brandon Ave., Toronto
Perkins, Frank, Co.	201 Sophia St., S. Prescott
Plymouth Machinery Mfg. Co. Ltd.	229 Plymouth Rd., Welland
Plymouth Tool & Die Stampings Ltd.	59 Crockford Blvd., Scarborough
Porter, H.K. Co. (Canada) Ltd.	125 McDonald Blvd., Acton
Power, C.J., Automatic Tools Ltd.	Ajax
Precise Gauge Mfg. Co.	108 McDougal St., Windsor
Precision Machine Co.	1620 Barton St. E., Hamilton
Precision Products	1168-76 Wyandotte St. E., Windsor
Preston-Noelting, Ltd.	163 King St., Stratford
Preston Tool & Die Co.	315 Schlueter St., Preston
Progressive Tool & Stamping Co.	755 Dundas St. E., Toronto
Proto Tools of Canada Ltd.	Oxford St. E., London
Radomski H.R. & Co.	189 Church St., Toronto
Ramset Fasteners Ltd.	11-15 LaPlante Ave., Toronto
R. & G. Engineering	629 Richmond St. W., Toronto 3
Reliable Tool and Mfg. Co.	Ormond St., Thorold
Reliance Tool & Die Castings Ltd.	217 Henry St., Brantford
Remington Arms of Canada Ltd.	36 Queen Elizabeth Blvd., Toronto 18
Rice Tool & Die Company Ltd.	2247 Harold Rd., Burlington
Richards-Wilcox Canadian Co. Ltd.	Terrace St., London
Rich Tool & Die Ltd.	1191 Bathurst St., Toronto 4
Rixson, Oscar C. Co. (Canada) Ltd.	43 Racine Rd., Rexdale
Roberts & Deacon Saw Co.	172 Princess St., Hamilton
Robertson, P.L., Mfg. Co. Ltd.	Bronte St., Milton
Rockiron Company Limited	67 Junction Rd., Sudbury
Rural Tool & Die	R.R. # 1, Gormley
Russell Tool & Die Co.	Industrial St., Chatham
Salco Corporation Ltd.	88 Fourteenth St., New Toronto
Sands Tool Ltd.	35 Carlaw Ave., Toronto
Schick (Canada) Ltd.	487-493 Adelaide St. W., Toronto
Schick Safety Razor Co.	149 Bartley Dr., Toronto 16
Schwebler Tool & Die	1386 Concession Rd. N., Preston
Seco Tool Co. Limited	90 Sherbourne St., Toronto 2
Semtec Ltd.	1505 Crawford Ave., Windsor
Shanfield Industries Limited	42 Park Lawn Road, Toronto
Shurly-Dietrich-Atkins Company, Limited	17 Glebe St., Galt
Sigma Tools	96 Crockford Blvd., Scarborough
Simpson, A.G., Co. Ltd.	773 Warden Ave., Scarborough
Smit, J.K. & Sons of Canada, Limited	81 Tycos Drive, Toronto 19
Snap-on Tools of Canada, Ltd.	41 Cranfield Rd., Toronto 16
Stanley Works of Canada, Limited	Imperial St., Hamilton
Star Expansion Industries Ltd.	1061 The Queensway, Toronto 14
Star Tools Limited	309 Pharmacy Ave., Toronto 13
St. Clair Tool & Die Ltd.	Wallaceburg
S.T. & D. Mfg. Co.	94 Grey St., Brantford
Steel Company of Canada, Limited	Colborne St. W., Brantford
Steel Company of Canada, Limited	Windermere Ave., Swansea
Steel Master Tool Company Ltd.	6500 Tecumseh Rd. E., Windsor
Steel Rule Dies	725 Hamilton Rd., London
Stewart Warner Corporation of Canada Limited	349 McDonald Ave., Belleville
Sunnen Products Company Limited	23 Grand Avenue E., Chatham
Superior Machine & Tool Co.	285 Inshes Ave., Chatham
Taylor Die & Tool Mfg. Co. Ltd.	625 Princess St., London
Taylor, J.A.M., Tool Co. Limited	59 Queen St. E., Galt
Techno Tool & Die Limited	385 Salter, Windsor
Thomson (Canada) Rivet Co. Ltd.	290-4th St., Gananoque
Titan Tool & Die	452 Charles St., Sandwich West
Tools and Hardware Ltd.	112 Peter St. S., Orillia
Toronto Lock Manufacturing Co. Limited	Paterson Place, Toronto
Toronto Metal Specialities	80 Raleigh Ave., Toronto 13
Toronto Screw Machine Products Ltd.	124 Manville Rd., Scarborough
Toronto Tool & Stamping Co.	1311 Queen St. E., Toronto
Tru-Mold Engineering	40 Brydon Dr., Rexdale
United Tool & Die Co.	373 Munster Ave., Toronto
Universal Engineering & Tool Works	82 Dundas St., London
Universal Engraving	301 King St. W., Toronto
Universal Tool & Die Co.	40 Milford St., Toronto
Upper Canada Mfg. Ltd.	242 Birmingham, New Toronto
Vannatter, H.E. Ltd.	41 Dundas St., Wallaceburg
Vanstone, E.G., and Son Ltd.	126 Atlantic Ave., Toronto
Venco Metals Limited	347 Church St., Mimico
Vicom & Co. (Canada) Ltd.	c/o Norman Rogers Airport, Kingston



List of Firms in the Hardware, Tools and Cutlery Industry, 1958 - Concluded

Name	Address
Ontario - Concluded:	
Victoria Engineering Company	347 Church St., Mimico
Viking Engine & Tool Company Limited	310 Bartlett Ave., Toronto
Wahl Clipper Corp. of Canada Ltd.	3967 Walker Rd., Windsor
Wahl Mfg. Co. of Canada	80 Orfus Rd., Toronto
Walker Machine & Tool Ltd.	3988 Riberdy Rd., Sandwich E.
Wallaceburg Engineering Co. Ltd.	208 Wallace St., Wallaceburg
Wallaceburg Tool & Mfg. Co. Ltd.	Wallaceburg
Ward, Alfred, & Son, Limited	44 Cathcart St., Hamilton
Warren Automatics	185 Crescent St., Peterborough
Wasco Valve Seat Co. Ltd.	Irwin and Gordon Sts., Essex
Waterloo Metal Stampings Ltd.	63 William St., Waterloo
Welland Vale Mfg. Co. Ltd.	St. Catharines
Welland Vale Mfg. Co. Ltd.	Hamilton
Wentworth Mould & Die Co. Ltd.	99 Burton St., Hamilton
Werner Metal Products	Oak Hill Dr., Brantford
Wesson Cutting Tools Ltd.	93 Judge Rd., Toronto
Weston Machine & Tool Limited	179 Main St. N., Weston
Wheatley Manufacturing Ltd.	2536 Dougall Rd., Windsor
Wheel Trueing Tool Co. of Canada, Ltd.	575 Langlois Ave., Windsor
Whitby Malleable Iron & Brass Co. Ltd.	Brock St., Whitby
Whitby Metal Products	Watson St., E., Whitby
Wickman, A.C., Limited	1425 Queensway, Toronto 14
Wiens Screw Products Limited	1355 Plains Road, Burlington
Wild, J.W., Co. Ltd.	24 Taber Rd., Rexdale
Willow Manufacturing Company Ltd.	21 Sable St., Toronto
Will Tools Ltd.	2444 Haines Road, Dixie
Windsor Tool & Die Ltd.	1680 Kildare Rd., Windsor
Wright Aluminum Co., Limited	2891 Dufferin St., Toronto
Wright, C.E., Company	Cross Ave., Oakville
Wright Tool Co.	21 West Ave. N., Hamilton
Y.W. Small Parts Ltd.	496 Queen St. E., Toronto
Yale & Towne Mfg. Co.	Yale Crescent, St. Catharines
Young, G.R., Screw Machine Products Limited	26 Six Point Rd., Toronto
Zettel Mfg. Ltd.	170 Borden Ave. S., Kitchener
Zowie Products	12 Ashland Ave., Toronto
Manitoba:	
Card Bros. Mfg. Co.	1399 Erin St., Winnipeg
Dyck, J.L.	455 Edison Ave., Winnipeg 5
Klassen Brothers	421 Edison Ave. N., East Kildonan, Winnipeg
Kropp Tool & Die Works	1096 McPhillips St., Winnipeg
Microdat of Canada Ltd.	362 Furby St., Winnipeg
Alberta:	
Barnard Tool & Die Works	212-50th Ave. S.E., Calgary
Smit-Connors, J.K., Ltd.	5406-43 St., Red Deer
Stamco Specialty Tool & Mfg. Co. Ltd.	10012-106th Ave., Edmonton
British Columbia:	
Ace Tool & Engineering Ltd.	920 Clark Dr., Vancouver
Basco Mfg. Co. Ltd.	Campbell River
B.C. Diesel Service Engineers Ltd.	1330 Francis St., Vancouver 6
Bigio Manufacturing Co.	1362 Franklin St., Vancouver
Capilano Metal Products Ltd.	1342 Pemberton St., North Vancouver
Cascade Saw & Tool Co. Ltd.	314 Columbia St. E., New Westminster
Cosmos Engineering Ltd.	648 E. 5., Vancouver
Diamond Abrasive Wheels Ltd.	1291 Parker St., Vancouver 6
Dunn's Sharp Edge Service	112 Main St., Vancouver
Kennametal of Canada, Limited	1818 Blanchard St., Victoria
Metal & Wood Products, Ltd.	1000 Parker St., Vancouver 6
Modern Engineering Co. Ltd.	1695 W. 5th Ave., Vancouver
Nygran Industries Ltd.	5935 E. Hastings, North Burnaby
Pacific Bolt Manufacturing Co. Ltd.	450 South West Marine Dr., Vancouver 14
Port Metal Products Ltd.	2117 William St., Vancouver
Schlage Lock Co. of Canada Ltd.	1290 Marine Dr., N., Vancouver
Shurly-Dietrich-Atkins Co. Ltd.	1642 Pandora St., Vancouver
Spear & Jackson (B.C.) Ltd.	6700 Rumble St., South Burnaby
Stuart Die Casting Co. Ltd.	1270 Boundary Rd., Burnaby
Tungbide Products Ltd.	1157 Richards St., Vancouver 3
Viking Manufacturing Co. Ltd.	1671 East Hastings St., Vancouver
Weiser Lock Company of Canada Ltd.	7374 Hawthorn Ave., S. Burnaby