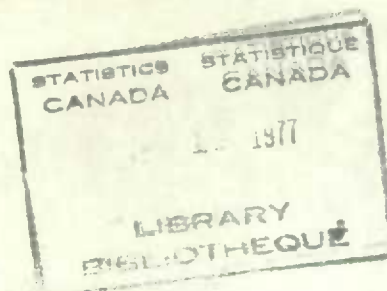


CATALOGUE No.

41-208

ANNUAL



HARDWARE, TOOL AND CUTLERY MANUFACTURERS 1960

Formerly Hardware Tools and Cutlery Industry.
Certain statistics have been transferred to 41-216
Wire and Wire Products Manufacturers. See
introductory text for details.

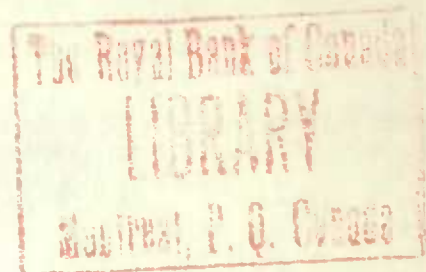
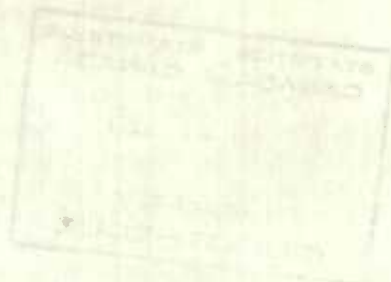
ANNUAL CENSUS OF MANUFACTURES

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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.

EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1960 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. Adoption of the revised Standard Industrial Classification for 1960 compilations has necessitated changes in titles of many reports in this annual series. The content of many industries has also been affected (see following note on Industrial Classification).

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 1960 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, ware-

housing 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 or 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 revised Standard Industrial Classification which has been introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. It incorporates changes considered desirable on the basis of experience in using the earlier classification as well as those which take account of changes in the structure of Canadian industries associated with the rapid developments of the past decade. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Many industries remain unchanged in the new classification but in many instances there have been substantial changes in content because of the shifting of establishments from one industry to another or in re-grouping of establishments. Where

changes have occurred the principal statistics for 1957, 1958 and 1959 have been re-compiled to provide data on a basis comparable with those for 1960.

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.

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. This practice was followed again in 1960.

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.

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*.

HARDWARE, TOOL AND CUTLERY MANUFACTURERS

1960

Data presented in this report under the heading of Hardware, Tool and Cutlery Manufacturers reflect implementation of the revised Standard Industrial Classification (SIC) which is being used by the Dominion Bureau of Statistics in its compilation of 1960 industry statistics—see item "Standard Industrial Classification" in the Explanatory Notes Section of this report. For statistical purposes the industry titled Hardware, Tool and Cutlery Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing edge and hand tools, cutlery and hardware. Important products of this industry are axes; chisels; dies and other metal working tools; hammers, shovels, hoes, rakes, files, saws, builders' hardware, marine hardware, non-electric razors and blades, table and kitchen cutlery and a miscellaneous group of products usually known under the term "hardware" and not elsewhere classified. This industry also includes establishments primarily engaged in manufacturing bits, drills and other cutting tools for machines or for power-driven hand tools. Establishments primarily engaged in the manufacture of sterling silver or silver plated cutlery are classified in Industry No. 382—Jewellery and Silverware Manufacturers, those primarily engaged in the manufacture of machine tools or of power-driven hand tools in Industry No. 315—Miscellaneous Machinery and Equipment Manufacturers, and those primarily engaged in manufacturing machinists' precision tools in Industry No. 381—Scientific and Professional Equipment Manufacturers.

In many instances, adoption of the new Standard Industrial Classification effected a radical shifting of manufacturing establishments as between industry groupings. Where this has occurred an attempt has been made to re-compile 1957, 1958 and 1959 data on the revised Standard Industrial Classification basis for the purposes of comparability. A significant element in the shift in the case of

Hardware, Tool and Cutlery Manufacturers was the transfer from this industry to Wire and Wire Products Manufacturers of establishments engaged in the manufacture of automatic screw machine products and fasteners such as bolts, nuts and rivets, etc. The revised series of Statistics in accordance with the new SIC is presented in table 1.

There were 312 establishments classified to Hardware, Tool and Cutlery Manufacturers in 1960; there being 64 in Quebec, 2 in Nova Scotia, 227 in Ontario, 4 in Manitoba, 2 in Alberta, and 13 in British Columbia. Employees in this industry numbered 8,794; salaries and wages totalled \$36,641,665; materials used in the manufacturing process cost \$34,109,569 and factory shipments were valued at \$105,436,671.

The principal products were safety razors and blades, steel table cutlery, axes and hatchets, spades, shovels and scoops, and other hand instruments, tools, dies, tips and blanks, builders' hardware, hand tools, etc. Tables 5 to 11 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 manufactures 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: Hardware, Tool and Cutlery Manufacturers by Provinces, 1957-60
 Basis: Standard Industrial Classification revised 1960

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture ¹	Value of factory shipments
	number				dollars		
1957							
Nova Scotia	61	1,917	6,537,867	291,144	7,119,952		22,913,240
Quebec							
Ontario	213	6,708	25,685,543	1,095,816	20,392,587		65,499,608
Manitoba	5	49	129,838	6,706	70,805		296,812
Alberta							
British Columbia	12	324	1,278,951	59,292	2,208,918		5,603,794
Canada	291	8,998	33,632,199	1,452,958	29,792,262		94,313,454
1958							
Nova Scotia	67	1,952	6,720,832	286,470	7,681,412		22,674,395
Quebec							
Ontario	219	6,418	25,164,825	1,027,523	19,802,663		66,197,033
Manitoba	5	44	129,882	4,913	134,193		363,750
Alberta							
British Columbia	11	339	1,383,243	53,828	2,432,671		6,289,464
Canada	302	8,753	33,398,782	1,372,734	30,050,939		95,524,642
1959							
Nova Scotia	67	1,926	7,166,434	289,146	8,384,385		25,631,727
Quebec							
Ontario	218	6,725	27,121,741	1,071,933	22,767,864		70,770,263
Manitoba	3	24	65,247	2,655	102,400		233,546
Alberta	3	40	164,152	4,400	162,632		399,250
British Columbia	12	455	1,815,555	66,809	2,559,671		6,815,233
Canada	303	9,170	36,333,129	1,434,943	33,976,952		103,850,019
1960							
Nova Scotia	66	1,689	7,292,952	312,819	8,895,461	16,759,774	25,834,095
Quebec							
Ontario	227	6,483	27,532,204	1,077,558	22,826,037	48,991,355	73,030,351
Manitoba	6	46	142,238	6,184	130,162	249,535	379,684
Alberta							
British Columbia	13	376	1,674,271	68,243	2,257,909	3,814,339	6,192,541
Canada	312	8,794	36,641,665	1,464,804	34,109,569	69,815,003	105,436,671

¹ The changeover to the new classification has delayed the recompilation of "value added" figures for the years prior to 1960 and same will not be available until the next issue of this report.

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 Hardware, Tool and Cutlery Manufacturers, 1960

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Quebec	2,483,652	1,254,605	1,844,233	5,582,490
Ontario	5,836,502	5,291,351	6,352,216	17,480,069
British Columbia	640,033	616,512	203,691	1,460,236
Other provinces	27,480	13,588	27,366	68,434
Canada	8,987,667	7,176,056	8,427,506	24,591,229
Closing:				
Quebec	2,648,188	1,219,843	2,010,736	5,878,767
Ontario	5,780,645	5,139,330	6,368,836	17,288,811
British Columbia	674,496	529,787	238,366	1,442,649
Other provinces	33,540	16,118	33,251	82,909
Canada	9,136,869	6,905,078	8,651,189	24,693,136

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

TABLE 3. Factory Shipments: Hardware, Tool and Cutlery Manufacturers, 1960

Item	1960	
	Quantity	Value of factory shipments
	No.	\$
Safety razors and blades, steel table cutlery, scissors, army knives etc. ....	...	7,909,067
Hardware:		
Appliance .....	...	586,519
Automobile .....	...	1,153,585
Builders' and shelf .....	...	19,185,986
Furniture and cabinet .....	...	6,119,224
Trunk and suitcase .....	...	230,543
Other hardware .....	...	5,374,433
Hand implements:		
Axes and hatchets	300,566	690,822
Canthooks, peavies and pikepoles	75,427	300,041
Spades, shovels and scoops	853,084	1,670,972
Other hand implements .....	...	1,334,472
Tungsten carbide products:		
Tools, including masonry drills .....	...	1,441,371
Dies .....	...	528,017
Other products (tips or blanks and rock drill bits) .....	...	1,849,540
Tools, hand and small: ¹		
Automotive tools (hand and power-driven) .....	...	1,702,673
Carpenters' and mechanics', including files .....	...	8,784,452
Jigs and fixtures .....	...	2,551,995
Machine knives .....	...	1,920,503
Drills, taps, bits, reamers, punches and threading dies (including screw plates) .....	...	3,463,125
Milling cutters .....	...	752,037
Other tools .....	...	1,357,284
Miscellaneous:		
Bolts, nuts, rivets, washers, screws and allied products .....	...	1,559,181
Casters, other than glass .....	...	1,165,104
Dies for drawing, cutting or stamping ¹ .....	...	12,434,756
Saws, metal-cutting; including circular, band and hacksaw blades (hand and power) .....	...	2,233,432
Saws, wood-cutting, and parts (see Table 6) .....	...	8,009,270
Received from custom and repair work .....	...	2,345,929
All other products .....	...	8,782,338
Totals .....	...	105,436,671

¹ Does not include tungsten carbide type since 1952.

Note: Data given in the above table are for Hardware, Tool and Cutlery Manufacturers 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 11, inclusive.

TABLE 4. Materials Used; Hardware, Tool and Cutlery Manufacturers, 1960

Material	1960	
	Quantity	Cost at works
	No.	\$
Iron and steel:		
Castings:		
Iron (Gray and malleable)	ton 1,299	386,513
Steel	" 416	137,679
Pig iron	" 126	8,165
Bars and rods	" 13,015	1,864,216
Plates	" 3,264	582,266
Sheets:		
Plain	" 4,719	775,013
Galvanized	" 10	2,246
Tin plate	" 2	464
Strip	" 8,450	2,066,073
Structural shapes	" 193	35,418
Wire	" 2,612	559,299
Alloy steel:		
Stainless:		
Billets, bars and rods	" ..	145,595
Other stainless	" ..	293,860
Other alloy and tool steel (including carbon, alloy and high-speed steels):		
Billets, bars and rods	" ..	2,917,559
Other	" ..	1,597,816
Scrap iron and steel:		
Purchased	ton -	-
Own make	" 60	1,240
All other iron and steel .....	...	957,110
Non-ferrous metals:		
Aluminum:		
Castings	lb. 137,486	83,509
Sheet	" 378,742	189,090
Other	" 1,097,390	487,829
Bronze and brass	" 2,466,592	1,135,391
Copper:		
Sheet	" 74,600	40,625
Wire	" 700	400
Other forms	" 86,680	45,687
Lead	" 21,000	3,034
Nickel	" 26,232	26,887
Tin	" 600	792
Zinc	" 3,367,900	679,258
Other non-ferrous .....	...	23,035
Other materials:		
Handles	" ..	707,646
Paints, oils and varnishes	" ..	92,784
Lumber	M ft. b.m. 871	84,846
Shipping containers	" ..	1,601,695
Other materials ¹	" ..	16,576,529
Totals .....	...	34,109,569

¹ No detailed information on materials used was collected from firms generally reporting value of shipments of less than \$100,000. The total value of materials used by these firms was \$1,685,869 and this amount is included in "Other materials."

TABLE 5. Factory Shipments of Hardware, 1959 and 1960 (from All Industries)

	Selling value at works	
	1959	1960
	dollars	
Builders' and shelf	21,518,000	19,942,000
Harness and saddlery	132,000	119,000
Pole line (except insulators)	12,251,000	11,146,000
Automobile	6,117,000	5,999,000
Furniture and cabinet	6,812,000	6,238,000
Trunk and suitcase	282,000	231,000
Other	5,529,000	6,003,000
Totals	52,641,000	49,678,000

TABLE 6. Factory Shipments of Wood-Cutting Saws, 1959 and 1960 (from All Industries)

	Selling value at works	
	1959	1960
	dollars	
Power saws:		
Circular	1,648,000	1,527,000
Band	753,000	755,000
Drag and gang	70,000	60,000
Crosscut saws	180,000	134,000
Webb saws	32,000	28,000
Hand-saws	703,000	753,000
Parts for above, including saw-teeth	1,569,000	1,421,000
Power chain saws ¹	5,172,000	7,164,000
Parts for power chain saws	3,423,000	4,556,000
Totals	13,550,000	16,398,000

¹ Represents value of 64,828 chain saws shipped in 1959, and 99,048 in 1960.

TABLE 7. Factory Shipments of Axes and Hatchets, 1952 - 60 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1952	613,000	1,047,000	1957	406,000	881,000
1953	494,000	815,000	1958	324,000	722,000
1954	456,000	762,000	1959	310,000	705,000
1955	504,000	893,000	1960	325,000	780,000
1956	512,000	1,013,000			

TABLE 8. Factory Shipments of Spades and Shovels, 1952 - 60 (from All Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
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
1954	871,000	1,255,000	1959	1,106,000	2,420,000
1955	1,054,000	1,695,000	1960	1,055,000	2,072,000
1956	1,134,000	2,182,000			

TABLE 9. Factory Shipments of Forks, Rakes, Hoes and Peavies, 1952 - 60 (from All Industries)

Year	Forks		Rakes		Hoes		Peavies, canthooks and pike poles
	Number	Selling value at plant	Number	Selling value at plant	Number	Selling value at plant	
		\$		\$		\$	\$
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
1959	148,000	275,000	282,000	514,000	139,000	253,000	224,000
1960	167,000	293,000	255,000	473,000	116,000	312,000	309,000

TABLE 10. Factory Shipments of Small Tools,¹ 1959 and 1960 (from All Industries)

	Selling value at plant	
	1959	1960
	dollars	
Carpenters' and mechanics', including files	8,212,000	8,784,000
Machine knives	1,680,000	1,921,000
Drills, taps, bits, reamers, punches, and threading dies (including screw-plates)	3,459,000	3,463,000
Milling cutters	842,000	752,000
Gauges (plugs, ring, snap, thread, etc.)	1,192,000	1,009,000
Other tools, jigs and fixtures	12,964,000	13,233,000
Totals	28,349,000	29,162,000

¹ Does not include pneumatic or electric tools.

TABLE 11. Factory Shipments of Miscellaneous Steel Cutlery¹ 1952-60 (from All Industries)

Year	Selling value at plant	Year	Selling value at plant
	\$		\$
1952	1,985,000	1957	2,757,000
1953	2,115,000	1958	2,622,000
1954	2,308,000	1959	2,518,000
1955	2,568,000	1960	2,249,000
1956	3,245,000		

¹ Includes paring knives, bread-knives, army utility knives, scissors, unplated table cutlery, etc. Sterling silver and silver-plated ware not included.

TABLE 12. Principal Statistics, classified according to Type of Ownership, Hardware, Tool and Cutlery Manufacturers, 1957 and 1960

Type	Estab-lish-ments	Em-ployees	Salaries and wages	Cost at plant of materials used	Value of factory shipments
	number		dollars		
1957					
Individual ownership	53	271	726,736	345,619	1,485,301
Partnerships	27	193	614,705	338,821	1,342,854
Incorporated companies	211	8,534	32,290,758	29,107,822	91,485,299
Totals	291	8,998	33,632,199	29,792,262	94,313,454
1960					
Individual ownership	58	234	757,296	473,540	1,654,173
Partnerships	16	85	339,768	104,701	683,695
Incorporated companies	238	8,475	35,544,601	33,531,328	103,098,803
Totals	312	8,794	36,641,665	34,109,569	105,436,671

**TABLE 13. Principal Statistics, grouped according to Size of Establishment,
Hardware, Tool and Cutlery Manufacturers, 1957 and 1960**

Establishments reporting value of factory shipments	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Value of factory shipments
	number		dollars		
1957					
Under \$10,000	17	25	42,950	18,400	79,011
\$ 10,000 to \$ 24,999	42	158	374,543	179,823	727,057
25,000 " 49,999	37	234	656,501	283,996	1,333,355
50,000 " 99,999	50	522	1,869,983	953,875	3,706,903
100,000 " 199,999	44	741	2,741,957	1,878,817	6,186,614
200,000 " 499,999	51	1,631	6,099,923	5,470,981	16,273,276
500,000 " 999,999	29	1,835	7,083,432	7,165,859	20,502,491
1,000,000 " 4,999,999	21	3,832	14,664,616	13,840,511	45,504,747
Head office	—	20	98,294	—	—
Totals	291	8,998	33,632,199	29,792,262	94,313,454
1960					
Under \$10,000	16	29	43,257	32,776	95,629
\$ 10,000 to \$ 24,999	36	117	329,948	159,730	659,547
25,000 " 49,999	47	233	781,281	519,371	1,715,099
50,000 " 99,999	48	457	1,647,836	826,361	3,377,822
100,000 " 199,999	54	859	3,520,845	2,041,560	7,476,030
200,000 " 499,999	60	1,647	6,769,113	6,685,768	18,884,025
500,000 " 999,999	27	1,575	7,054,347	6,862,754	19,192,622
1,000,000 " 4,999,999	24	3,877	16,495,038	16,981,249	54,035,897
5,000,000 and over					
Totals	312	8,794	36,641,665	34,109,569	105,436,671

**TABLE 14. Employees and their Earnings: Hardware, Tool and Cutlery Manufacturers,
by Provinces, 1959 and 1960**

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
1959								
Quebec	253	135	1,246	277	1,911	2,178,262	4,964,766	7,143,028
Ontario	1,048	529	4,404	744	6,725	8,050,639	19,071,102	27,121,741
British Columbia	89	36	238	92	455	682,018	1,133,537	1,815,555
Other provinces	21	4	54	—	79	63,150	189,655	252,805
Canada	1,411	704	5,942	1,113	9,170	10,974,069	25,359,060	36,333,129
1960								
Quebec	259	115	1,252	242	1,868	2,060,496	5,195,861	7,256,357
Ontario	1,034	543	4,200	706	6,483	8,631,148	18,901,056	27,532,204
British Columbia	84	34	186	72	376	684,283	989,988	1,674,271
Other provinces	18	2	46	1	67	48,336	130,497	178,833
Canada	1,395	694	5,684	1,021	8,794	11,424,263	25,217,402	36,641,665

TABLE 15. Production Workers, by Months: Hardware, Tool and Cutlery Manufacturers, 1960

Month	Establishments reporting monthly detail ¹		Establishments reporting quarterly detail ²	
	Male	Female	Male	Female
January	4,227	946		
February	4,290	950		
March	4,200	950	863	73
April	4,249	893		
May	4,180	889		
June	4,185	879	952	69
July	4,089	865		
August	4,138	904		
September	4,071	916	860	62
October	4,018	918		
November	4,017	912		
December	3,981	888	769	55
Average for establishments reporting monthly detail			4,137	909
Average for establishments reporting quarterly detail			287	22
Average estimated for small establishments ³			681	45
Average for all establishments			5,105	976

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

² The number of production workers, by quarters, was collected only for establishments generally reporting value of shipments between \$100,000 and \$300,000.

³ For establishments generally reporting value of shipments of less than \$100,000, 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. Fuel and Electricity Used: Hardware, Tool and Cutlery Manufacturers, 1960

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: ¹		
Bituminous coal (a) From Canadian mines	ton	1,849
(b) Imported	"	4,821
Anthracite coal	"	175
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	174,232
Fuel oil including kerosene or coal oil	"	1,996,586
Wood	cord	34
Gas (a) Liquefied petroleum gases	Imp. gal.	88,359
(b) Natural gas	M cu.ft.	161,452
Other fuel .....	...	854
Electricity purchased	kwh.	41,116,953
Steam purchased .....	...	13,324
2. Establishments reporting group detail: ²		
Cost of fuel .....	...	108,849
Cost of electricity .....	...	87,912
3. Estimate for establishments for which no data were collected: ³		
Cost of fuel and electricity .....	...	122,769
4. All establishments:		
Total cost of fuel and electricity .....	...	1,454,504

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

² Establishments generally reporting value of shipments between \$100,000 and \$300,000.

³ Establishments generally reporting value of shipments of less than \$100,000.

TABLE 17. Imports of Specified Items of Hardware, Tools and Cultery, 1959 and 1960

Item	1959		1960		
	Quantity	Value	Quantity	Value	
		\$		\$	
Forks, pronged	doz.	9,606	100,291	12,466	111,246
Rakes, n.o.p.	"	43,692	209,856	54,521	263,317
Scythes	"	3,655	64,873	5,162	95,482
Sickles or reaping-hooks	"	2,171	17,380	1,199	8,682
Hoes	"	4,182	33,379	6,719	52,835
Post hole diggers and parts	No.	3,719	209,043	3,626	237,970
Spades and shovels, of iron or steel, n.o.p.	doz.	18,896	232,036	16,809	207,229
Knives and forks, table, of steel, n.o.p.		—	1,562,430	—	1,347,902
Pen-knives, jack-knives and pocket-knives of all kinds		—	502,421	—	482,915
Razors, n.o.p., and parts		—	588,340	—	710,716
Safety razor blades	doz.	3,222,726	240,109	4,471,256	392,769
Scissors and shears, n.o.p.		—	1,310,607	—	1,106,328
Knives, butcher and kitchen		—	610,094	—	583,098
All other knives, n.o.p.		—	469,020	—	403,017
Spoons		—	445,495	—	414,354
Hinges and butts, of iron or steel, coated or not; hinge and butt blanks, of iron or steel, n.o.p.	lb.	3,998,579	1,251,810	2,144,892	875,596
Nuts and bolts with or without threads; washers, rivets, of iron or steel, coated or not; nut and bolt blanks, of iron or steel ..	"	23,264,074	7,173,048	17,080,189	5,899,576
Machine and other screws, n.o.p., of iron or steel		—	2,700,706	—	2,698,441
Wood screws of iron or steel		—	435,869	—	372,408
Fish-hooks for deep sea or lake fishing, not smaller in size than No. 2.0, not for sportsmen's purposes		—	92,357	—	75,085
Hardware, viz:—builders', cabinet makers', upholsterers', and carriage hardware, n.o.p.		—	5,064,398	—	5,063,530
Locks, n.o.p. and parts		—	1,060,638	—	986,067
Skates, ice, or other, and parts	pair	95,811	136,428	34,251	60,456
Skates, roller and parts	"	27,759	74,605	24,783	64,040
Anvils and vises		—	371,842	—	340,772
Augers, bits and drills		—	2,472,101	—	2,540,701
Axes	doz.	17,832	209,155	13,344	173,177
Files, n.o.p., and rasps	"	122,613	550,075	148,257	631,489
Hacksaw blades		—	312,525	—	293,459
Saws, n.o.p.		—	691,083	—	551,285
Wrenches		—	2,909,135	—	2,821,393
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		—	1,869,497	—	1,921,093
Engineers', surveyors', draftsmen's, machinists' or metal-workers' precision tools and measuring instruments, and parts, as enumerated in tariff items 431c and 431d		—	6,624,273	—	5,838,197
Tools for use in machines		—	10,585,896	—	9,426,353
Tools, n.o.p.		—	9,881,586	—	9,708,677

TABLE 18. Exports of Specified Items of Hardware, Tools and Cutlery, 1959 and 1960

Item	1959		1960	
	Quantity	Value	Quantity	Value
		\$		\$
Garden and farm tools		47,764	—	54,328
Spades and shovels, and parts..... doz.	1,350	27,870	1,438	35,937
Razors and razor blades of all kinds .....	..	367,591	—	1,062,142
Cutlery, n.o.p., not plated .....	..	20,177	—	76,235
Bolts and nuts of iron and steel	cwt.	1,690,261	75,147	1,438,245
Locks of iron or steel .....	..	4,786	—	18,172
Screws of iron and steel .....	..	40,312	—	41,963
Ice skates	pair	2,257,722	1,415,365	1,768,133
Hardware, n.o.p.		1,168,464	—	1,189,857
Axes	doz.	78,508	2,583	79,806
Files and rasps	"	1,656,804	680,851	1,985,162
Saws, n.o.p. (except power-operated) .....	...	360,432	—	347,606
Taps and dies .....	...	370,634	—	605,260
Wrenches .....	...	38,693	—	60,037
Tools, n.o.p. ....	...	389,849	—	419,892

Directory of Firms; Hardware, Tool and Cutlery Manufacturers, 1960

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	West Lake Rd., Mount Uniacke
Quebec:	
Active Tooling Reg'd	1327 Dorchester St., W.
Aero Mechanique Ltée	1 Rue Dery, Beauport
Almet Findings Limited	1074 St. Lawrence Blvd., Montreal
Boisvert, J.R., & Cie Ltée	Grandes Piles
Brunner & Lay, Canada Ltd.	2280-43rd Ave., Lachine
Canadian Cutting Dies Reg'd.	2A-3rd Ave., Limoilou
Canadian Die Works Reg'd.	1007 A St. Elizabeth St., Montreal
Canadian Tool Engr., Co.	254 Queen St., Montreal
Canadian Wire, Die Works Ltd.	2825 Jacques-Hertel, Montreal
Canuel, Onezime	St. Ulric, Co. Matane
Capital Industries Ltd.	5680 Fullum St., Montreal
City Steel Rule Dies	11085 Leblanc, Montreal N.
Denman Engraving Reg'd.	360 Recollet St., Montreal
Diacan Co., Reg'd.	5910 Park Ave., Montreal
Diamond Productions Co. of Canada	758 Victoria Sq., Montreal
Diemakers Ltd.	8275 Durocher St., Montreal
Dominion Lock Co., Ltd.	7301 Decarie Blvd., Montreal
Dube Metal Works	5828 St. Andre St., Montreal
Dumco Metal Products Co., Ltd.	552 St. Hubert, Pont Viau
Esty Limited	Wheeler St., Bedford
Evans Rule Mfg., Co., Ltd.	5653 Pare St., Montreal
Francana Engr.	7925 Rue Dante, Ville St. Michel
Fuller Tool Co., Ltd.	940 Côte de Liesse Rd., Montreal
Furniss Clarke & Co., Limited	6625 St. Lawrence Blvd., Montreal
Gauvreau & Fils Engr.	Village La Providence
Gillette of Canada, Ltd.	1450 Côte 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
Gordy Tool & Die Works Ltd.	7075 Grand Ave., Montreal
Hamelin Engraving Reg'd.	4591 Brebeuf St., Montreal
Ideal Builders Hardware Corp.	9 Brooke Ave., Westmount
La Compagnie Des Scies "Champion" Ltée.	764 St. Vallier Ouest, Quebec
Lassonde Cutlery of Canada, Ltd.	1500 Laframboise St., St. Hyacinthe
Le Page Brothers Company	1540 Craig St. E., Montreal
Les Scies Mercier Limited	26 Côte Frechette, Lévis
London Steel Rule Die Company, Ltd.	141A Metropolitan Blvd., Montreal
Maple Leaf Cutlery Co., Ltd.	11341 Sherbrooke St. E., Montreal East
Materials Engineering Co.	635 Mercille Ave., St. Lambert
Metal Rousseau Metal Inc.	St. Jean, Port Joli, Co. de L'Islet
Metal Works Ltd.	425 River St., Verdun
Montreal Die Works Ltd.	4216 Gascon Ave., Montreal 34
Montreal Hardware Mfg. Co., Limited	2567 Notre Dame St. E., Montreal
North Star Engineering Products	5748 Decarie Blvd., Montreal
Precision Steel Rule Dies Ltd.	7192 Grand St., Montreal
Preci-Tools Ltd.	4000 Courtral Rd., Montreal
Provincial Production & Die Inc.	1649 Belvédère St., Sherbrooke
Quebec Steel Products Ltd.	45 St. Joseph St., Lachine
Rapid Bit Co.	5236 Angers St., Montreal
Rapid Steel Rule Die	5954 St. Hubert, Montreal
Reliable Engraving Co.	360 Le Moyne St., Montreal
Richard, A., Ltée	Berthierville
Robin Enterprises Ltd.	333 Broadway, Montreal E.
Simonds Canada Saw Co., Limited	80 Simonds Ave., Granby
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
Swean Saw Co.	6967 Rue De Gaspé, Montreal
Threepoint Products	15 Ontario St. W., Montreal
Tool & Die Precision Works Ltd.	703 Notre Dame St. W., Montreal 3
Union Twist Drill Co.	Rock Island, Stanstead
Unique Sash Balance Co. Ltd.	7590-19th Ave., Ville St. Michel
United Cutting Dies Ltd.	27 Rue St. Georges, Fort Chambly
Walters Axe Co., Ltd.	85 Front St., Hull
W. & W. Precision Machinery Co., Ltd.	754 St. Maurice St., Montreal
Ontario:	
Ace Tool & Mfg., Co.	1287 Windsor Ave., Windsor
Action Engineering	572 Pierre Ave., Windsor
Advance Metal Industries Ltd.	133 Dundas St., Kitchener
Advanced Wire Die Ltd.	71 Carling St., London
Amalgamated Tool & Die Company	7 Wabash Ave., Toronto 3
Amerock Ltd.	Meaford
Anderson Bros. Tool & Die Co.	10 Scarlett Rd., Toronto 9
Animal Trap Co. of America	Ellen Ave., Niagara Falls
Applied Engineering	51 Cranfield Rd., Toronto 16
Arrow Tools Ltd.	1501 Crawford Ave., Windsor
Asco Mfg., Ltd.	50-52 Metcalfe St., Toronto 5
Ashman Industries Limited	644 Main St. W., Hamilton
Barker-Thorne Ltd.	120 Tycos Dr., Toronto 19
Bathurst Tool & Machine Ltd.	578 Front St., Toronto

Directory of Firms: Hardware, Tool and Cutlery Manufacturers, 1960 - Continued

Name	Address
Ontario - Continued:	
Beatty Machine & Tool Works Ltd.	103 Crockford Blvd., Scarborough
Bernz, Otto (Canada), Ltd.	2710 St. Clair Ave. W., Toronto
Bertram, John & Sons Co., Ltd.	Hatt St., Dundas
Bluejet Canada, Limited	33 Haas Rd., Rexdale
Bond Engineering Works Limited	16 Munition St., Toronto 2
Border Tool & Die Ltd.	2946 Walker Rd., Windsor
Bowman Machine & Tool Co.	60 Pollock Ave., Galt
Brenco Machine & Tool Co., Ltd.	38 Elgin St., Brantford
Bryant Pattern & Mfg. Co., Ltd.	225 Eugenie St., Sandwich W.
Brydon Brass Mfg. Co., Ltd.	Rexdale Blvd., Rexdale
Budd Machine Tool Co., Ltd.	825 Tecumseh Rd. W., Windsor
Burgess Machine & Tool Ltd.	1039A Wallace St., Wallaceburg
Canada Casters Limited	344 Dundas St., Woodstock
Canada Illinois Tools Limited	75 Scarsdale Rd., Don Mills
Canada Tool Co.	145 Beverly, Galt
Canadian Desmond-Stephen Mfg. Co., Ltd.	252 Gibson Ave. N., Hamilton
Canadian Drop Die Co.	7 Orange St., Leamington
Canadian Engineering & Tool Co., Ltd., (Plant # 1)	920 Mercer St., Windsor
Canadian Engineering & Tool Company, Limited	140 - 6th Line, Oakville
Canadian General Electric Co., Ltd.	1199 Lansdowne Ave., Toronto
Canadian Landis Machine Co., Ltd.	Welland
Canadian Tap & Die Co., Ltd.	27 York Place, Galt
Canadian Warren-Pink Limited	Ontario & Carleton Sts., St. Catharines
Centrelinc (Windsor), Ltd.	2801 Howard Ave., Windsor
Chance, A.B., Co. of Canada, Ltd.	100 Howden Road, Scarborough
Chapat Engineering & Sales Co., Ltd.	25 Sawyer Rd., Hamilton
Charlton, J.J., Co., Ltd.	33 Sheppard Ave. W., Willowdale
Clarke Brass Mfg. Co.	10 Breadalbane St., Toronto 5
Cochrane Tool & Design Ltd.	201 Ashtonbee Rd., Toronto
College Tool and Die	1571 Keele St., Toronto
Colonial Tool Company, Limited	1691 Walker Rd., Windsor
Coppick J.T., Industries	377 Munster Ave., Toronto 18
Coventry Gauge & Tool Co. (Canada), Ltd.	518 Evans Ave., Toronto 14
Crescent Tool & Die Ltd.	Huron Line, Sandwich, P.O.
Crowdertrack Ltd.	1584 Southdown Rd., Clarkson
Custom Die Makers Ltd.	175 Munro St., Toronto
Custom Dies	49 Glen Rd., Hamilton
Dafew Tool & Mfg. Co., Ltd.	85 Northline Rd., Toronto 16
Darnell Corp. of Canada, Ltd.	105 - 30th St., Toronto 14
D. & D. Steel Rule Die Carton Co.	1122 Castlefield Ave., Toronto
Densmore Tool & Die Works Ltd.	2 Hiscott St., St. Catharines
Dieomatic Metal Products Ltd.	Richmond Hill
Diver, J.E., (Steel Rule Dies)	725 Hamilton Rd., London
Do All Company of Canada Ltd., The	35 Clarkson Ave., Toronto 19
Dominion Brass Products Ltd.	65 Saulters St., Toronto 8
Dominion Twist Drill, Limited	1880 Assumption St., Windsor
Dooley Tool & Die	Rear 885 Broadview Ave., Toronto
Dreher, J., Estate	127 Moore Ave., Waterloo
Eagle Precision Tool Ltd.	42 Spalding Dr., Brantford
Economy Die Makers	56 Esplanade St., Toronto
Electromac Ltd.	985 St. Luke Rd., Windsor
Elliott, G.T.	R.R. 1 Woodstock
Emmons Tool & Die Co., Ltd.	19 Bertrand Ave., Scarborough
E.T.F. Tools Limited	21 Woodburn Ave., St. Catharines
Experimental Tool & Mfg., Co.	72 Colville Rd., Toronto
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
Falcon Tool & Die Company, Limited	729 Caron Ave., Windsor
Fearnough (Canada), Ltd.	Queensway, Toronto 18
Ferrum Metal Mfg., Co.	68 Densley Ave., Toronto
Flirth Brown Tools, (Canada), Ltd.	115 Dundas St., Galt
Flint Mfg. & Sales Ltd.	199 Ashtonbee Rd., Scarborough
Fowler, J.H.	2 Currah Rd., St. Thomas
Frank Tool & Die Co., Ltd.	Grahams Lane, Burlington
Fraser Tool Engineering Co.	Galt
Furniture Hardware Ltd.	15 Ingram Dr., Toronto 3
Galt Knife Company, Limited	99 State St., Galt
Galt Wood Tool & Machine Co., Ltd.	20 Hobson St., Galt
Glen Purvis Tool & Die Co., Ltd.	300 Merritt Ave., Chatham
Glider Guard Mfg. Co., Ltd.	1151 Tecumseh Rd., W., Windsor
Globe Stamping Co., Ltd.	232 Madison Ave., Kitchener
Gouger Saw Chain Co.	519 Parkdale Ave. N., Hamilton
Gray Forgings & Stampings, Limited	710 St. Clarens Ave., Toronto
Hahn Brass Company, Ltd.	Waterloo St., New Hamburg
Hamilton Mould Tool & Die Co.	410 Birch Ave., Hamilton
Harmac Engineering	Uxbridge
Harth Tool & Die	131B Grand Ave., Galt
Hay, Peter, Knife Co., Limited	43 Victoria Ave., Galt
Hercules Tool & Die Limited	1695 Turner Rd., Windsor
Hi-Grade Die & Tool Co., Ltd.	R.R. No. 1, Welland
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	2536 Dougall Ave., Windsor
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
Jardine, A.B., & Co., Limited	Guelph St., Hespeler
J. & C., Tool & Die Ltd.	1197 Laurendeau, Windsor
Jemco Industries Ltd.	167 Centre St., Richmond Hill
Jobborn Manufacturing Ltd.	11 Brock St. E., Hamilton

Directory of Firms: Hardware, Tool and Cutlery Manufacturers, 1960 - Continued

Name	Address
Ontario - Continued:	
Jones Shovel Company, Limited	King St., Gananoque
KBM Tool & Manufacturing Co., Ltd.	34 Rivalda Rd., Toronto 15
Kelco Engineering, Ltd.	352 Thames St., London
Kelmar Products	158 Queenslea Ave., Weston
Kennametal Tools & Manufacturing Co., Limited	371 Sherman Ave. N., Hamilton
Kot Tool & Die Co.	29 Morley St., Hamilton
Krawczyk, L.	115 Melrose, Kitchener
Ladore & Company, Ltd.	2771 Charles St., Windsor
L. & M. Machine Co.	Washago
Larsen & Shaw Limited	Peter and Scott Sts., Walkerton
Law & Anderson Limited	3822 Sandwich St. W., Windsor
Leadercraft Ltd.	2091 Dufferin St., Toronto
Ledco Limited	161 Ottawa St. S., Kitchener
Legge, G.H., Tool Engineering	60 Pollock Ave., Galt
Lufkin Rule Co. of Canada Ltd., The	164 Innisfil St., Barrie
M. & B. Precision Products Ltd.	Petrie St., St. Catharines
Mallory Hardware Products Ltd.	Blenheim
Maple Leaf Tool & Die Co.	40 Wellington Ave., Oshawa
Maple Machine & Tool Co., Limited	119 Oakdale Rd., Downsview
Marton Mfg. Company	163 Riverside Drive E., Windsor
Master Steel Rule Dies	Rear 4 Bartlett Ave., Toronto
McCoy Foundry Co., Ltd.	258 Catharine St. N., Hamilton
McIntyre Industries (London), Ltd.	82 Dundas St., London
McKinney-Skillcraft Ltd.	1209 King St. W., Toronto
Metalair Products	11 Jutland Rd., Toronto 18
Moczik Tool & Die Works of Canada, Ltd.	21 Gregory Drive, Chatham
Model Pattern & Plastic Tooling Ltd.	16 Sheffield St., Toronto
Modern Caster Co., Ltd.	# 7 Highway Concord
Mooring Tool & Engineering	R.R. # 5, Hamilton
Nack Industries Co., Ltd.	311 Enford Rd., Richmond Hill
National Cutlery Limited	29 Medulla Ave., Toronto 18
National Hardware Specialties	Dresden
National Tool Distributors Ltd.	641 Bishop St., Preston
Newell-Hall Mfg., Limited	287 Bering Ave., Toronto 18
Nicholson File Co. of Canada, Ltd.	Highway No. 2, Port Hope
Nickleson Tool & Die Co., Ltd.	1562 Windsor Ave., Windsor
Omark Industries (1959), Ltd.	165 York Rd., Guelph
Ontario Die Company, Ltd.	119 Roger St. E., Waterloo
Ontario Machine & Tool Works, Ltd.	213 Monarch Ave., Ajax
Ontario Mould & Die Co.	117 Cheever, Hamilton
Onward Mfg. Co., Limited	1027 King St. E., Kitchener
Operating Brant Machine & Tool	Paris
Park Machine Knives Ltd.	165 Barton St. W., Hamilton
Plymouth Tool & Stampings Ltd.	54 Crockford Blvd., Scarborough
Porter, H.K., Co. (Canada), Ltd.	125 McDonald Blvd., Acton
Precision Machine Co.	1620 Barton St. E., Hamilton
Precision Products	1168-76 Wyandotte St. E., Windsor
Precision Tool & Die Co.	25 Water St., Georgetown
Premier Tool & Die Ltd.	86 Tycos Dr., Toronto 19
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
R.K. Tool & Plastics Ltd.	123 Manville Rd., Scarborough
Radomski H.R. & Co.	189 Church St., Toronto
Ramset Fasteners Ltd.	11-15 LaPlante Ave., Toronto
Rice Tool & Die Company Ltd.	2247 Harold Rd., Burlington
Rich Tool & Die Ltd.	1191 Bathurst St., Toronto 4
Rite Tool Company Ltd.	1650 Langlois Ave., Windsor
Rixson, Oscar C., Co. (Canada), Ltd.	43 Racine Rd., Rexdale
Rural Tool & Die	R.R. # 1, Gormley
Russell Tool & Die Co.	Industrial St., Catham
Ruthard, E.	4th & Bay St., Midland
Salco Corporation Ltd.	88 Fourteenth St., New Toronto
Sands Tool Ltd.	35 Carlaw Ave., Toronto
Sargent Hardware of Canada, Ltd.	900 Water St. N., Peterborough
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
Semtec Ltd.	1505 Crawford Ave., Windsor
Shanfield Industries Limited	42 Park Lawn Road, Toronto 14
Sheffield Tool & Gage of Can., Ltd.	7100 Tecumseh Rd. E., Windsor
Shepherd Casters (Canada), Ltd.	23 Rainside Rd., Don Mills
Shurly-Dietrich-Atkins Company, Limited	17 Glebe St., Galt
Sigma Tools	96 Crockford Blvd., Scarborough
Simpson, A.G., Co., Ltd.	773 Warden Ave., Scarborough
Skillcraft Steel Rule Dies	7 Byng Ave., Toronto
Snap-on Tools of Canada, Ltd.	41 Cranfield Rd., Toronto 16
Stanley Works of Canada, Limited	Imperial St., Hamilton
St. Clair Tool & Die Ltd.	Wallaceburg
Steel Master Tool Company, Ltd.	6500 Tecumseh Rd. E., Windsor
Stephen Tool & Die Co.	1015 Crawford Ave., Windsor
Stewart Warner Corporation of Canada, Limited	349 McDonald Ave., Belleville
Superior Machine & Tool Co.	285 Inshes Ave., Chatham
Taylor Die & Tool Mfg. Co., Ltd.	1111 Elias St., London
Taylor, J.A.M., Tool Co., Limited	145 Kipling Ave. S., Toronto 18
Techno Tool & Die Limited	385 Salter, Windsor
Tickins Industrial Products Ltd.	1062 Kipling Ave. N., Rexdale
Tools and Hardware Ltd.	112 Peter St. S., Orillia
Toronto Lock Manufacturing Co., Limited	Paterson Place, Toronto
Toronto Metal Specialties	80 Raleigh Ave., Toronto 13
Toronto Specialties Mfg., Co.	570 Queen St. E., Toronto 2

Directory of Firms; Hardware, Tool and Cutlery Manufacturers, 1960 — Concluded

Name	Address
Ontario — Concluded:	
Toronto Tool & Stamping Co., Ltd.	1311 Queen St. E., Toronto 8
Trisen Tool & Die Ltd.	791 Felix Ave., Windsor
Tru-Mold Engineering	40 Brydon Dr., Rexdale
United Tool & Die Co.	34 Chauncey St., Toronto 18
Universal Engraving	303 King St. W., Toronto
Vannatter, H.E., Ltd.	Arnold St., Wallaceburg
Vicom & Co. (Canada), Ltd.	c/o Norman Rogers Airport, Kingston
Victoria Engineering Company	347 Royal York Rd., Mimico
Viking Engine & Tool Company, Limited	310 Bartlett Ave., Toronto 4
Wahl Clipper Corp. of Canada Ltd.	3967 Walker Rd., Windsor
Wallaceburg Engineering Co., Ltd.	208 Wallace St., Wallaceburg
Wallaceburg Tool & Mfg. Co., Ltd.	Wallaceburg
Ward, Alfred, & Son, Limited	44 Cathcart St., Hamilton
Waterloo Metal Stampings Ltd.	63 William St. E., 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	R.R. # 1, Hwy. 2 Brantford
Wesson Cutting Tools Ltd.	93 Judge Rd., Toronto 18
Weston Machine & Tool Limited	2121 Weston Rd., Weston
Wheatley Manufacturing Ltd.	2590 Ouellette Ave., Windsor
Whitby Malleable Iron & Brass Co., Ltd.	Brock St., Whitby
White Eagle Tool & Die Co.	279 Drouillard Rd., Windsor
Wickman, A.C., Ltd.	1425 The Queensway, Toronto 14
Wilco Manufacturing Co., Ltd.	R. 3 Ougley Rd., Hamilton
Will Tools Ltd.	2444 Haines Road, Dixie
Willoughby Tool & Die Works	141 Garrison Rd., Fort Erie
Windsor Tool & Die Ltd.	1680 Kildare Rd., Windsor
Wright Aluminum Co., Limited	2891 Dufferin St., Toronto
Yale & Towne Mfg., Co.	Yale Crescent, St. Catharines
Manitoba:	
Card Bros. Ltd.	1399 Erin St., Winnipeg
Dyck, J.L., Mfg.	455 Edison Ave., Winnipeg 5
Kropp Tool & Die Works	1096 Alexander Ave., Winnipeg
Sigurdsons Ice Augers	Arnes
Alberta:	
Barnard Tool & Die Works	212—50th Ave. S.E., Calgary
Stamco Specialty Tool & Mfg. Co., Ltd.	10012—106th Ave., Edmonton
British Columbia:	
Ace Tool & Engineering Ltd.	920 Clark Dr., Vancouver
Adka Industries Ltd.	1290 Boundary Rd., Vancouver 6
Biglo Manufacturing Co., Ltd.	3750E. — 1st Ave., Burnaby 2
Canadian Warren-Pink Ltd.	215 West 4th Ave., Vancouver 10
Dunn's Sharp Edge Service	112 Main St., Vancouver 4
Hamadan Tool & Die Mfg.	1675 Venables St., Vancouver
Dennametal of Canada, Limited	759 Caledonia St., Victoria
Modern Engineering Co., Ltd.	1695 W. 5th Ave., Vancouver 9
Nygran Industries Ltd.	5935 E. Hastings, North Burnaby
Schlage Lock Co. of Canada, Ltd.	1290 Marine Dr., N. Vancouver
Shurly-Dietrich-Atkins Co., Ltd.	1642 Pandora St., Vancouver
Spears & Jackson (B.C.) Ltd.	6700 Rumble St., South Burnaby
Weiser Lock Company of Canada, Ltd.	7374 Hawthorn Ave., S. Burnaby

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