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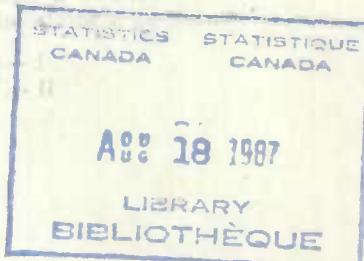
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# THE HARDWARE, TOOLS AND CUTLERY INDUSTRY

## 1957



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## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I — General Review of the Manufacturing Industries
- II — The Manufacturing Industries of Canada, (7 sections, as follows:)
  - Section A. Summary for Canada
  - Section B. Atlantic Provinces
  - Section C. Quebec
  - Section D. Ontario
  - Section E. Prairie Provinces
  - Section F. British Columbia
  - Section G. The Manufacturing Industries of Canada, Regional Distribution
- III — Foods and Beverages
- IV — Tobacco and Tobacco Products
- V — Rubber Products
- VI — Leather Products
- VII — Textile Mills
- VIII — Knitting Mills
- IX — Clothing
- X — Wood and Paper Products
- XI — Printing Trades
- XII — Iron and Steel Products
- XIII — Transportation Equipment
- XIV — Non-ferrous Metal Products
- XV — Electrical Apparatus and Supplies
- XVI — Non-metallic Mineral Products
- XVII — Products of Petroleum and Coal
- XVIII — Chemicals and Allied Products
- XIX — Miscellaneous Manufactures

The present report belongs in Part XII, Iron and Steel Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A — General Review
- B — The Agricultural Implements Industry
- C — The Boilers and Plate Work Industry
- D — The Bridge Building and Structural Steel Industry
- E — The Hardware, Tools and Cutlery Industry
- F — The Heating and Cooking Apparatus Industry
- G — The Machinery Industry
- H — The Machine Shops Industry
- I — The Iron Castings Industry
- J — The Primary Iron and Steel Industry
- K — The Sheet Metal Products Industry
- L — The Wire and Wire Goods Industry
- M — The Miscellaneous Iron and Steel Products Industry

*Prices of most reports released after January 1, 1959 have been increased. Information on the new prices of particular issues is available on request from the Information Services Division of the Dominion Bureau of Statistics.*

# THE HARDWARE, TOOLS AND CUTLERY INDUSTRY

## 1957

Factory shipments in 1957 by establishments in the Hardware, Tools and Cutlery Industry in Canada amounted to \$159,653,914, a slight increase over the \$158,406,440 reported in 1956.

A total of 419 plants, which were occupied chiefly in the manufacture of hardware, cutlery, hand tools and related products, were classified to this industry. Of these, 304 were located in Ontario, 82 in Quebec, 22 in British Columbia, 5 in Manitoba, 3 in Alberta and 3 in Nova Scotia. These firms gave employment to a total of 13,852 people who were paid \$52,414,842 in salaries and wages. Materials used in manufacturing processes cost \$59,818,358 and expenditures for fuel and electricity amounted to \$2,353,627.

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 - 1957 and by Provinces, 1956 and 1957**

Year and province	Establishments	Employees	Salaries and wages	Cost of fuel and electricity at works	Cost at plant of materials used <sup>1</sup>	Value added by manufacture <sup>1</sup>	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
1953 .....	351	14,422	45,939,345	1,765,496	40,771,452	84,772,624	127,309,572
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							
Nova Scotia .....	2	3,018	10,047,715	430,947	12,057,695	21,404,145	33,576,581
Quebec .....	78	10,939	39,373,343	1,650,796	44,161,133	71,854,079	115,247,984
Ontario .....	284		104,760	7,720	70,590	171,335	242,339
Manitoba .....	4		107,960	4,605	116,033	186,960	298,126
Alberta .....	3		2,224,049	106,887	3,627,839	5,265,951	9,041,410
British Columbia .....	21						
Canada .....	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

<sup>1</sup> See footnote 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,<sup>1</sup> 1957

	Raw materials and supplies	Goods in process <sup>2</sup>	Finished goods of own manufacture	Total
dollars				
Opening:				
Quebec .....	3,009,006	1,871,492	2,463,813	7,344,311
Ontario .....	12,067,036	6,715,990	10,019,109	28,802,135
British Columbia .....	804,421	423,864	228,849	1,457,134
Other provinces .....	110,268	4,125	58,383	172,776
Canada .....	<b>15,990,731</b>	<b>9,015,471</b>	<b>12,770,154</b>	<b>37,776,356</b>
Closing:				
Quebec .....	3,435,273	1,763,493	2,781,601	7,980,367
Ontario .....	12,203,825	6,570,372	11,016,600	29,790,797
British Columbia .....	856,916	524,242	400,299	1,781,457
Other provinces .....	120,636	4,595	54,195	179,426
Canada .....	<b>16,616,650</b>	<b>8,862,702</b>	<b>14,252,695</b>	<b>39,732,047</b>

<sup>1</sup> (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.

<sup>2</sup> See footnote to text.

TABLE 3. Products Made in the Hardware, Tools and Cutlery Industry, 1956 and 1957

Item	1956		1957	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
			No.	\$
Safety razors and blades, steel table cutlery, scissors, army knives, etc. ....	—	6,194,357	—	5,788,102
Hardware:				
Appliance .....	1	1	—	405,998
Automobile .....	—	2,373,670	—	2,977,909
Builders' and shelf .....	—	17,089,848	—	17,404,349
Furniture and cabinet .....	—	4,245,954	—	5,649,639
Trunk and suitcase .....	—	467,353	—	472,569
Other hardware .....	—	5,166,028	—	4,725,463
Hand implements:				
Axes and hatchets .....	512,058	1,012,722	406,348	881,048
Canthooks, peavies and pikepoles .....	—	517,477	—	247,391
Forks .....	301,409	478,471	263,649	468,061
Hoes .....	209,295	238,151	152,268	216,207
Rakes .....	331,094	377,002	313,585	504,088
Spades, shovels and scoops .....	1,043,202	2,044,742	759,564	1,660,699
Other hand implements .....	—	239,392	—	338,038
Tungsten carbide products:				
Tools, including masonry drills .....	—	1,374,677	—	1,656,488
Dies .....	—	468,438	—	291,270
Other products (tips or blanks and rock drill bits) .....	—	5,106,291	—	5,969,599
Tools, hand and small: <sup>1</sup>				
Automotive tools (hand and power-driven) .....	—	1,364,068	—	1,368,189
Carpenters' and mechanics', including files .....	—	7,692,871	—	7,214,255
Jigs and fixtures .....	—	2,383,406	—	2,946,832
Machine knives .....	—	2,061,248	—	1,866,901
Drills, taps, bits, reamers, punches and threading dies (including screw plates) .....	—	5,040,592	—	4,456,561
Milling cutters .....	—	1,273,637	—	1,268,931
Other tools .....	—	9,102,542	—	7,763,742

See footnote at end of table.

TABLE 3. Products Made in the Hardware, Tools and Cutlery Industry, 1956 and 1957 - Concluded

Item	1956		1957	
	Quantity	Value of factory shipments	Quantity	Value of factory shipments
Miscellaneous:			No.	\$
Bolts, nuts, rivets, washers, screws and allied products....	—	30,393,509	—	31,879,591
Casters, other than glass .....	—	1,664,684	—	1,568,963
Dies for drawing, cutting or stamping <sup>1</sup> .....	—	10,103,269	—	11,041,795
Saws, metal-cutting; including circular, band and hacksaw blades (hand and power) .....	—	2,290,051	—	2,355,113
Saws, wood-cutting, and parts (see Table 6) .....	—	7,735,337	—	5,583,207
Received from custom and repair work .....	—	2,844,885	—	3,203,669
All other products .....	—	27,061,768	—	27,479,237
Total .....	—	158,406,440	—	159,653,914

<sup>1</sup> Not available.<sup>2</sup> 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, 1956 and 1957

Material	1956		1957	
	Quantity	Cost at works	Quantity	Cost at works
Iron and steel:		\$		\$
Castings:				
Iron (Gray and malleable) .....	ton	3,555	969,225	2,322
Steel .....	"	508	166,184	701
Pig iron .....	"	1,522	91,449	1,345
Bars and rods .....	"	46,633	6,548,404	45,134
Plates .....	"	5,806	775,101	3,941
Sheets:				
Plain .....	"	15,931	2,291,423	12,497
Galvanized .....	"	662	119,654	412
Tin plate .....	"	8	1,822	1
Strip .....	"	9,380	1,789,094	8,258
Structural shapes .....	"	1,060	147,331	1,930
Wire .....	"	20,249	3,581,042	19,907
Alloy steel:				
Stainless:				
Billets, bars and rods .....	—	—	208,667	—
Other stainless .....	—	—	740,656	—
Other alloy and tool steel (including carbon, alloy and high-speed steels):				
Billets, bars and rods .....	—	—	3,910,530	—
Other .....	—	—	2,218,991	—
Scrap iron and steel:				
Purchased .....	ton	683	18,985	413
Own make .....	"	44	1,887	59
All other iron and steel .....	—	—	2,265,656	—
Non-ferrous metals:				
Aluminum:				
Casting .....	lb.	115,073	73,892	146,047
Sheet .....	"	739,403	372,939	536,803
Other .....	"	1,974,489	776,510	2,465,315
Bronze and brass .....	"	5,514,761	2,820,252	3,923,402
Copper:				
Sheet .....	"	138,944	75,635	47,915
Wire .....	"	119,854	68,348	79,545
Other forms .....	"	147,094	76,873	391,537
Lead .....	"	425,300	85,185	471,845
Nickel .....	"	22,644	20,074	85,496
Tin .....	"	1,550	1,703	193,989
Zinc .....	"	2,122,310	383,237	2,682,833
Other non-ferrous .....	—	—	92,764	—
Other materials:				
Handles .....	—	—	894,892	—
Paints, oils and varnishes .....	—	—	196,914	—
Lumber .....	M ft. b.m.	3,340	393,316	2,653
Shipping containers .....	—	—	1,812,654	—
Other materials .....	—	—	26,042,001	—
Total .....	—	—	60,033,290	—
			59,818,358	

TABLE 5. Factory Shipments of Hardware, 1956 and 1957 (From all Industries)

	Selling value at works	
	1956	1957
	dollars	
Builders' and shelf .....	17,139,000	18,080,000
Harness and saddlery .....	238,000	170,000
Pole line (except insulators) .....	11,888,000	11,988,000
Automobile .....	7,865,000	7,884,000
Furniture and cabinet .....	4,309,000	5,825,000
Trunk and suitcase .....	467,000	473,000
Other .....	4,804,000	4,707,000
<b>Total</b> .....	<b>46,710,000</b>	<b>49,128,000</b>

TABLE 6. Factory Shipments of Wood-Cutting Saws, 1956 and 1957 (From all Industries)

	Selling value at works	
	1956	1957
	dollars	
Power saws:		
Circular .....	1,852,000	1,436,000
Band .....	668,000	649,000
Drag and gang .....	76,000	52,000
Crosscut saws .....	197,000	164,000
Webb Saws .....	124,000	47,000
Hand-saws .....	529,000	504,000
Parts for above, including saw-teeth .....	1,633,000	1,350,000
Power chain saws <sup>1</sup> .....	}	9,746,000
Parts for power chain saws .....		
<b>Total</b> .....	<b>10,802,000</b>	<b>15,881,000</b>
		<b>13,948,000</b>

<sup>1</sup>Separate data on chain saws not available for publication.

TABLE 7. Factory Shipments of Axes and Hatchets, 1948-1957 (From all Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1948 .....	873,770	1,021,340	1953 .....	494,000	815,000
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

TABLE 8. Factory Shipments of Spades and Shovels, 1948-1957 (From all Industries)

Year	Number	Selling value at works	Year	Number	Selling value at works
		\$			\$
1948 .....	1,277,070	1,492,550	1953 .....	1,037,000	1,594,000
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

TABLE 9. Factory Shipments of Forks, Rakes, Hoes and Peavies, 1948-1957 (From all Industries)

Year	Forks		Rakes		Hoes		Peavies, canhooks and pike poles
	Number	Selling value at works	Number	Selling value at works	Number	Selling value at works	
		\$		\$		\$	
1948 .....	625,098	669,449	247,441	173,797	301,926	222,475	346,778
1949 .....	462,003	583,471	208,086	175,044	216,766	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

TABLE 10. Total Production and Factory Shipments of Nails, Tacks, and Staples, 1953-1957  
(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	
<b>1953</b>					
Quantity made .....		30,943	1,437,831	2,307,388	12,781
Quantity sold .....		29,095	1,421,540	2,506,781	13,776
Value of sales .....	\$	292,028	12,112,524	851,609	168,512
<b>1954</b>					
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
<b>1955</b>					
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
<b>1956</b>					
Quantity made .....		27,929	1,851,607	2,827,621 <sup>1</sup>	13,394
Quantity sold .....		27,315	1,723,217	2,701,429 <sup>1</sup>	13,808 <sup>1</sup>
Value of sales .....	\$	283,315	16,547,899	896,568 <sup>1</sup>	157,602 <sup>1</sup>
<b>1957</b>					
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

<sup>1</sup> Revised.

Note: 1 Keg = 100 pounds.

**TABLE 11. Factory Shipments of Small Tools,<sup>1</sup> 1956 and 1957 (From all Industries)**

	Selling value at works	
	1956	1957
	dollars	
Carpenters' and mechanics', including files .....	7,693,000	7,214,000
Machine knives .....	2,061,000	1,867,000
Drills, taps, bits, reamers, punches, and threading dies (including screw-plates) .....	5,041,000	4,457,000
Milling cutters .....	1,274,000	1,269,000
Gauges (plugs, ring, snap, thread, etc.) .....	421,000	782,000
Other tools, jigs and fixtures .....	10,931,000	12,774,000
<b>Total</b> .....	<b>27,421,000</b>	<b>28,363,000</b>

<sup>1</sup> Does not include pneumatic or electric tools.

**TABLE 12. Production<sup>1</sup> of Miscellaneous Steel Cutlery,<sup>2</sup> 1948-1957 (From all Industries)**

Year	Selling value at works	Year	Selling value at works
	\$		\$
1948 .....	912,905	1953 .....	2,115,000
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

<sup>1</sup> Factory shipments since 1952.

<sup>2</sup> 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, 1953-1957 (From all Industries)**

	Factory shipments		
	Quantity sold	Selling value at works	
		No.	\$
1953 .....	175,651,000	3,565,000	
1954 .....	174,308,000	3,589,000	
1955 .....	178,364,000	3,603,000	
1956 .....	180,149,000	3,803,000	
1957 .....	178,238,000	3,813,000	

TABLE 14. Principal Statistics, Classified According to Type of Ownership, 1956 and 1957

Type	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
1956		number		dollars	
<b>Individual ownership</b>					
Individual ownership .....	78	448	1,147,477	673,784	2,565,668
Partnerships .....	37	331	994,988	557,866	2,163,795
Incorporated companies .....	277	13,835	49,715,362	58,801,640	153,676,977
<b>Total</b> .....	<b>392</b>	<b>14,614</b>	<b>51,857,827</b>	<b>60,033,290</b>	<b>158,406,440</b>
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
<b>Total</b> .....	<b>419</b>	<b>13,852</b>	<b>52,414,842</b>	<b>59,818,358</b>	<b>159,653,914</b>

TABLE 15. Principal Statistics of the Hardware, Tools and Cutlery Industry in Canada, Grouped According to Size of Establishment, 1956 and 1957

Establishments reporting value of factory shipments	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
1956		number		dollars	
<b>Under \$10,000</b>					
Under \$10,000 .....	25	37	55,410	28,700	120,102
\$10,000 to \$24,999 .....	46	176	424,841	198,383	801,169
\$25,000 to \$49,999 .....	58	377	953,361	506,460	2,050,471
\$50,000 to \$99,999 .....	68	790	2,368,882	1,367,734	5,006,004
\$100,000 to \$199,999 .....	52	926	3,197,287	2,727,157	7,634,938
\$200,000 to \$499,999 .....	67	2,264	8,105,779	7,057,404	21,300,523
\$500,000 to \$999,999 .....	36	2,215	7,408,986	10,625,748	24,540,338
\$1,000,000 to \$4,999,999 .....	36	5,953	21,579,613	26,678,138	70,299,259
\$5,000,000 and over .....	4	1,874	7,685,668	10,843,566	26,653,636
Head offices .....	—	2	18,000	—	—
<b>Total</b> .....	<b>392</b>	<b>14,614</b>	<b>51,857,827</b>	<b>60,033,290</b>	<b>158,406,440</b>
1957					
<b>Under \$10,000</b>					
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 to \$49,999 .....	57	337	942,507	438,762	1,994,068
\$50,000 to \$99,999 .....	71	738	2,505,969	1,335,688	5,217,155
\$100,000 to \$199,999 .....	61	1,024	3,778,671	3,079,472	8,778,023
\$200,000 to \$499,999 .....	73	2,295	8,651,984	8,428,628	23,009,671
\$500,000 to \$999,999 .....	37	2,148	8,100,280	10,658,489	26,143,722
\$1,000,000 to \$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	—	—
<b>Total</b> .....	<b>419</b>	<b>13,852</b>	<b>52,414,842</b>	<b>59,818,358</b>	<b>159,653,914</b>

## IRON AND STEEL PRODUCTS

**TABLE 16. Employees and their Earnings in the Hardware, Tools and Cutlery Industry,  
by Provinces, 1956 and 1957**

Province	Number of employees						Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total	
	Male	Female	Male	Female					
dollars									
1956									
Quebec .....	445	220	1,977	333	2,975	2,926,086	7,027,336	9,953,422	
Ontario .....	1,625	836	7,320	1,158	10,939	10,726,348	28,646,995	39,373,343	
British Columbia .....	78	21	368	109	576	614,784	1,609,265	2,224,049	
Other provinces .....	16	5	92	11	124	65,471	241,542	307,013	
Canada .....	2,164	1,082	9,757	1,611	14,614	14,332,689	37,525,138	51,857,827	
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	

**TABLE 17. Production Workers, by Months, 1956 and 1957**

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
number						
January .....	9,475	1,568	11,043	9,496	1,482	10,978
February .....	9,503	1,584	11,087	9,507	1,457	10,964
March .....	9,724	1,669	11,393	9,465	1,438	10,903
April .....	9,749	1,647	11,396	9,494	1,434	10,928
May .....	9,737	1,646	11,383	9,472	1,388	10,860
June .....	9,856	1,616	11,472	9,458	1,385	10,843
July .....	9,760	1,595	11,355	9,292	1,340	10,632
August .....	9,814	1,611	11,425	9,298	1,337	10,635
September .....	9,844	1,627	11,471	9,221	1,334	10,555
October .....	9,914	1,623	11,537	9,171	1,367	10,538
November .....	9,942	1,604	11,546	9,113	1,379	10,492
December .....	9,750	1,546	11,296	8,793	1,318	10,111
Average .....	9,757	1,611	11,318	9,327	1,393	10,720

**TABLE 18. Capital and Repair Expenditures in the Hardware, Tools and Cutlery Industry,  
1953 - 1957**

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
thousands of dollars							
1953 .....	3,210	4,014	7,224	611	2,391	3,002	10,226
1954 .....	2,549	4,343	6,892	526	2,070	2,596	9,483
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	12,764
1957 .....	1,411	4,094	5,505	655	2,484	3,139	8,644

Note: Figures for the current year are preliminary.

TABLE 19. Imports of Specified Items of Hardware, Tools and Cutlery, 1956 and 1957

Item	1956		1957		
	Quantity	Value	Quantity	Value	
Forks, pronged .....	doz.	10,550	113,538	7,240	85,177
Rakes, n.o.p. ....	"	29,025	163,142	29,192	170,534
Scythes .....	"	5,416	81,289	3,440	50,466
Sickles or reaping-hooks .....	"	1,750	12,101	1,142	8,358
Hoes .....	"	4,278	38,198	3,152	32,768
Post hole diggers and parts .....	No.	3,101	171,920	3,910	133,800
Spades and shovels, of iron or steel, n.o.p. ....	doz.	13,020	159,982	10,316	130,387
Knives and forks, table, of steel, n.o.p. ....	-	-	1,286,583	-	1,258,424
Pen-knives, jack-knives and pocket-knives of all kinds .....	-	-	571,574	-	527,892
Razors, n.o.p., and parts .....	-	-	276,338	-	278,699
Safety razor blades .....	doz.	2,029,174	155,437	2,285,995	185,671
Scissors and shears, n.o.p. ....	-	-	1,155,297	-	1,170,765
Knives, butcher and kitchen .....	-	-	528,639	-	414,045
All other knives, n.o.p. ....	-	-	379,251	-	433,901
Spoons .....	-	-	405,034	-	396,251
Hinges and butts, of iron or steel, coated or not: hinge and butt blanks, of iron or steel .....	lb.	2,796,221	1,019,767	2,455,495	950,977
Nuts and bolts with or without threads; washers, rivets, of iron or steel, coated or not; nut and bolt blanks, of iron or steel .....	"	24,960,536	7,870,158	20,391,818	6,679,449
Machine and other screws, n.o.p., of iron or steel .....	-	-	2,594,227	-	2,369,668
Wood screws of iron or steel .....	-	-	301,929	-	229,671
Fish-hooks for deep sea or lake fishing, not smaller in size than No. 2.0, not for sportsmen's purposes .....	-	-	71,231	-	95,034
Hardware, viz.—builders', cabinet makers', upholsterers', and carriage hardware, n.o.p. ....	-	-	3,555,163	-	3,869,862
Locks, n.o.p. ....	-	-	783,175	-	720,439
Skates of all kinds, roller or other, and parts thereof .....	pair	140,804	248,566	158,533	265,061
Anvils and vises .....	-	-	517,725	-	467,840
Augers, bits and drills .....	-	-	2,911,979	-	2,783,324
Axes .....	doz.	14,898	167,241	12,617	143,892
Files, manicure .....	-	-	40,565	-	51,145
Files, n.o.p., and rasps .....	doz.	133,434	549,830	136,787	605,807
Hacksaw blades .....	-	-	233,001	-	223,986
Saws, n.o.p. ....	-	-	749,459	-	624,569
Wrenches .....	-	-	3,300,480	-	2,980,795
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 .....	-	-	1,962,650	-	1,812,877
Engineers', surveyors', draftsmen's, machinists' or metal-workers' precision tools and measuring instruments, and parts, as enumerated in tariff items 431c and 431d .....	-	-	5,608,886	-	7,084,642
Tools for use in machines .....	-	-	7,995,373	-	9,898,234
Tools, n.o.p. ....	-	-	8,741,556	-	9,550,166

TABLE 20. Exports of Specified Items of Hardware, Tools and Cutlery, 1956 and 1957

Item	1956		1957	
	Quantity	Value	Quantity	Value
Garden and farm tools .....	—	\$ 61,021	—	99,226
Spades and shovels, and parts .....	doz. 1,596	30,981	1,606	34,164
Razors and razor blades of all kinds .....	—	16,739	—	4,774
Cutlery, n.o.p., not plated .....	—	3,861	—	5,685
Bolts and nuts of iron and steel.....	cwt. 10,635	158,122	21,415	377,194
Locks of iron or steel .....	—	2,425	—	6,366
Screws of iron and steel .....	—	14,049	—	10,850
Ice skates .....	pair 891,350	1,417,945	957,922	1,477,916
Hardware, n.o.p. ....	—	522,769	—	581,760
Axes .....	doz. 1,598	39,804	2,805	76,443
Files and rasps .....	" 343,187	924,182	393,492	1,168,111
Saws, n.o.p. (except power-operated) .....	—	247,452	—	326,600
Taps and dies .....	—	266,747	—	454,844
Wrenches .....	—	89,735	—	83,040
Tools, n.o.p. ....	—	418,113	—	793,367

TABLE 21. Fuel and Electricity Used in the Hardware, Tools and Cutlery Industry, 1956 and 1957

Kind	1956		1957	
	Quantity	Cost at works	Quantity	Cost at works
Bituminous coal:		\$		\$
(a) Canadian .....	ton 2,267	25,106	2,616	31,588
(b) Imported .....	" 10,259	142,068	11,436	158,262
Anthracite coal .....	" 937	16,055	664	11,303
Coke .....	" 1,020	23,462	312	6,398
Gasoline (including gasoline used in cars and trucks)....	Imp. gal. 331,357	137,157	465,646	191,938
Kerosene or coal oil .....	" 2,439	623	2,727	768
Fuel oil .....	" 4,597,244	668,255	4,054,745	635,703
Wood .....	cord 32	424	19	249
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal. 113,117	46,265	261,833	53,137
(b) Other manufactured gas .....	M cu. ft. 69,949	73,257	59,654	55,076
(c) Natural gas .....	" 52,515	84,451	117,942	128,857
Other fuel .....	—	45,779	—	68,500
Electricity purchased .....	kwh. 73,013,312	958,053	70,016,957	1,011,848
Total .....	—	2,200,955	—	2,353,627

**List of Firms in the Hardware, Tools and Cutlery Industry, 1957**

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
<b>Nova Scotia:</b>	
Blenkhorn & Sons Ltd. ....	Canning
Morrison, H.K. & Sons .....	R.R. No. 2, Mount Uniacke
Starr Manufacturing Works Limited .....	Dartmouth
<b>Quebec:</b>	
A.B.C. Tool & Die & Mfg. Co. Ltd. ....	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 Grip Nut Co. Ltd. ....	140 Mercier St., St. Johns
Canada Sealing Devices Reg'd. ....	3595 Monselat 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 Ste. 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 .....	5680 Fullum 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
Dierakers Ltd. ....	8275 Durocher St., Montreal
Dominion Lock Co. Ltd. ....	7301 Decarie Blvd., Montreal
Engineering Products of Canada Ltd. ....	5035 Ontario St. E., Montreal
Evans Rule Co. Ltd. ....	464 McGill St., Montreal
Forrest, J.A., Engr. ....	1050 Chemon Cote, Montreal
Fuller Tool Co. Ltd. ....	940 Côte de Liesse, Montreal
Furniss Clarke & Co. Limited .....	6625 St. Lawrence, Montreal
Gardner Steel Limited .....	98 Fourteenth St., Noranda
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
Hamelin Engraving Reg'd. ....	4591 Brebeuf St., Montreal
Industrial Screw & Machine Works Ltd. ....	8203 Casgrain St., Montreal
Industrial Stampings, Limited .....	Bromptonville
Jude Tooling & Machining Co. ....	90 Bates Rd., Outremont
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
Levis Plastex & Metal Products .....	71 St. Louis St., Levis
London Steel Rule Die Company Ltd. ....	4496 Deserables, Montreal
Mahon Hardware Mfg. Co. Limited .....	5010 St. Patrick St., Montreal
Materials Engineering Co. ....	635 Mercille Ave., St. Lambert
Mayer Sealing Devices Reg'd. ....	11425 Cherrier St. S., Montreal
Mercil & Frere .....	27 rue St-Georges, Fort Chamblay
Metal Rousseau Metal Inc. ....	St. Jean, Port Joli, Co. de L'Islet
Metal Works Ltd. ....	425 River St., Verdun
Metro Engineering Company Ltd. ....	102 Elmslie, Ville La Salle
Monarch Punch & Die Engr. Co. Ltd. ....	5721A St. Denis St., Montreal
Montreal Grinding Works .....	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
Precision Automatic Mach., Screw Prod. ....	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 Metal Works Inc. ....	18 Commercial St., St. David, Levis
Quebec Steel Products Ltd. ....	45 St. Joseph St., Lachine
Rapid Bit Co. ....	5236 Angers St., Montreal
Raymond Manufacturing Co. Ltd. ....	1000 Sherbrooke St., Lachine
Reliable Engraving Co. ....	360 Le Moyne St., Montreal

## List of Firms in the Hardware, Tools and Cutlery Industry, 1957 — Continued

Name	Address
<b>Quebec — Concluded:</b>	
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 boul. 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. ....	724 St. James St. W., Montreal
St. Martin Die Casting Co. Ltd. ....	2 Rue St. Gilbert, St. Marc Des Carrières
Stowell Screw Co., Ltd. ....	P.O. Box 458, Place D'Armes, Montreal
Swecan Saw Co. ....	6967 Rue De Gaspe, Montreal
Threepoint Products .....	15 Ontario St. W., Montreal
Triplex Engineering Co., Ltd. ....	9810 St. Urbain St., Montreal
Union Twist Drill Co. ....	Rock Island
Unique Sash Balance Co., Ltd. ....	4070 Namur St., Montreal
Universal Die & Tool Mfg. Limited .....	2125 East Ste. Catherine St., Montreal
Villeray Metallic Industries Ltd. ....	9180 Blvd. St. Laurent, Montreal
Walters Axe Co., Ltd. ....	85 Front St., Hull
Whitehouse, A.E., & Sons, Ltd. ....	970 St. George St., Montreal
<b>Ontario:</b>	
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
Alfa Manufacturing Co. ....	111 Richmond St. E., Toronto
Amalgamated Tool & Die Company .....	380 King St. E., Toronto
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 Machines Products Limited .....	1171 Queen St. E., Toronto
Barker-Thorne Ltd. ....	120 Tycos Dr., Toronto
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
Bolton Die Company .....	3245 Byng Rd., Windsor
Bond Engineering Works Limited .....	16 Munition St., Toronto 2
Border Tool & Die Co. 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 .....	6 Cross St., Dundas
Breen Wire Products Ltd. ....	13 Blackburn St., Toronto
Bremit Diamond Tools Ltd. ....	3436 Centre Rd. N., Cooksville
Bryant Pattern & Mfg. Co. Ltd. ....	P.O. Box 56, Windsor
Brydon Brass Mfg. Co. Ltd. ....	Box 253, Weston
Budd Machine Tool Co. ....	825 Tecumseh Blvd. W., Windsor
Burgess Machine & Tool Ltd. ....	1039A Wallace St., Wallaceburg
Burke-Thumm Ltd. ....	14 Breadalbane St., Toronto
Burrell-Gardner Tool Co. Ltd. ....	729 Caron, Windsor
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
Canadian Engineering & Tool Company Limited .....	6th Line at Cross Ave., Oakville
Canadian General Electric Co. Ltd. ....	1199 Lansdowne Ave., Toronto
Canadian Koebel Dianomd Tools, Ltd. ....	18th St. & Towns Road, New Toronto
Canadian Landis Machine Co. Ltd. ....	Welland
Canadian Lock Co. Ltd. ....	111 Richmond St. E., Toronto
Canadian Size Control Co. Ltd. ....	840 Portsmouth Ave., Kingston

## List of Firms in the Hardware, Tools and Cutlery Industry, 1957 — Continued

Name	Address
<b>Ontario — Continued:</b>	
Canadian Tap & Die Co. Ltd.	27 York Place, Galt
Canadian Thermos Products Ltd.	2040 Eglinton Ave., Toronto
Canadian Warren-Pink Limited	Ontario & Carlton Sts., St. Catharines
Center Tool & Mould Co. Ltd.	1573 McDougall Ave., Windsor
Chaput Engineering & Sales Co. Ltd.	25 Sawyer Rd., Hamilton
Charlton, J.J., Co. Ltd.	33 Sheppard Ave. W., Toronto
Cochrane Tool & Design Ltd.	201 Ashtonbe Rd., Toronto
College Tool and Die	88 Ossington Ave., Toronto
Collison-Goil 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.	Clarkson
Custom Die Makers Ltd.	175 Munroe St., Toronto
Dafew Tool & Mfg. Co. Ltd.	85 Northline Rd., Toronto
Darnell Corp. of Canada, Ltd.	105-30th St., Long Branch
D. & D. Steel Rule 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. W., Toronto
Discoe Ltd.	433 Comstock Rd., Scarborough
Disston, Henry	2 Frazer Ave., Toronto
Do All Company of Canada Ltd., The	35 Clarkson Ave., Toronto 10
Dominion Brass Products Ltd.	65 Saulter St., Toronto
Dominion Screw Company, Limited	395 Weston Rd. S., Toronto
Dominion Twist Drill, Limited	1880 Assumption St., Walkerville
Doherty Industries Ltd.	371 Ryding St., Toronto
Doolley Tool & Die	Rear 885 Broadview Ave., Toronto
Draper Mfg. Co. of Canada, Ltd.	Petrolia St., Petrolia
Draher, J., Estate	127 Moore Ave., Waterloo
Dyer & Kerst, Limited	63 Duchess St., Toronto
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., 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
F.B. Tool and Die Ltd.	237 Vine St. N., St. Catharines
F.D.R. Tool and Machine Co.	Concession Rd. N., Preston
Fearnehough, W., Canada, Ltd.	St. Lawrence Ave., Queensway, Toronto
Ferguson Tool Ltd.	8 Ripley Ave., Toronto
Ferrum Metal Mfg.	68 Densley Ave., Toronto
Firth Brown Tools, Canada, Ltd.	115 Dundas St., Galt
Flaherty Manufacturing Co. Ltd.	227 Sherman Ave. S., Hamilton
Furniture Hardware Ltd.	32 Osbourne Ave., Toronto
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.	1873 Dundas St. W., Toronto
Futura Tool & Die	452 Charles St., Windsor
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
Gillim 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. Clarens Ave. & Dupont St., Toronto
Hahn Brass Company, Ltd., The	Waterloo St., New Hamburg
Hall & Pickles Canada Ltd.	Kipling Ave. N., Rexdale
Hard Metal Fabricators Limited	731 Runnymede Rd., Toronto
Hay, Peter, Knife Co. Limited	43 Victoria Ave., Galt
Hercules Tool & Die Limited	1695 Turner Rd., Windsor
HJ Grade Die & Tool Co. Ltd.	Box 563, R.R. No. 1, Welland
H. & J. Precision Industries	River Rd. S., Peterborough
Hollymade Hardware Mfg. Co.	22 Ripley Ave., Toronto
Imperial Tool & Die Ltd.	Martin Grove Rd., Rexdale
Index Machine & Tool	7 Eugenie, Windsor

## List of Firms in the Hardware, Tools and Cutlery Industry, 1957 — Continued

Name	Address
<b>Ontario — Continued:</b>	
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
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
Kendan Mfg. Co. ....	2918 Walker Rd., Windsor
Kennametal Tools & Manufacturing Co., Limited .....	371 Sherman Ave. N., Hamilton
Keystone Machine Works .....	7 Racine Rd., Rexdale
Kistner Tool Engineering Co. ....	Preston
Kot Tool & Die Co. ....	970 Main St. E., Hamilton
Krawczyk, L. ....	27 Wilhelm St., Kitchener
Lacelle Tool & Die Works .....	3368 Dufferin St., Park Rd., Toronto
Ladore & Company Ltd. ....	354 Chilvers Rd., Walkerville
Lakeshore Precision Gauge Works Limited .....	100 Niagara St., Toronto
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 .....	69 Lauzon Rd., Riverside
Lift Lock Hardware Industries Ltd. ....	P.O. Box 328, 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
Machine Specialties .....	1360 Danforth Ave., Toronto
Mainline Tool & Die .....	582 Eight Line N., Oakville
Mall Tool Ltd. ....	36 Queen Elizabeth Blvd., Toronto
Mallett Machine & Tool Works .....	103 Walnut Ave., Toronto
Mallory Hardware Products Ltd. ....	Blenheim
Maple Leaf Tool & Die Co. ....	40 Wellington Ave., Oshawa
Marples & Tough Ltd. ....	21 Jutland Rd., Toronto
Marshall Tool & Die Ltd. ....	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 .....	57 Sylvan Ave., Toronto
Micro Machine & Tool Co. Ltd. ....	121 McCormack Ave., Toronto
R.J. Minogue & Co. Ltd. ....	1399 Hammond St., North Bay
Moczik Tool & Die Works of Canada Ltd. ....	R.R. No. 1, Chatham
Modern Caster Co. ....	4652 Yonge St., Willowdale
Moeller Mfg. Co. (Canada) Ltd. ....	1760 Valley Way, Niagara Falls
Monarch Master Manufacturing .....	731 Runcnymede Rd., Toronto
Morrow Screw & Nut Co. Ltd. ....	Thames St., Ingersoll
Nack Industries Co. ....	42 Ossington Ave., Toronto
National Cutlery, Limited .....	1463 Davenport Road, Toronto
National Hardware Specialties Ltd. ....	Dresden
National Socket Screw Mfg. Co. Ltd. ....	Beamsville
National Tool Distributors Ltd. ....	641 Bishop St., Preston
Newark Tool & Engineering Co. ....	80 Advance Rd., Toronto
Nicholson File Co. ....	Highway # 2, Port Hope
Nickelson Tool & Die Co. Ltd. ....	1562 Windsor Ave., Windsor
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 Engineering Co. ....	193 King E., Toronto
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., Prescott
Plymouth Machinery Mfg. Co. Ltd. ....	229 Plymouth Rd., Welland

## List of Firms in the Hardware, Tools and Cutlery Industry, 1957 — Continued

Name	Address
<b>Ontario — Continued:</b>	
Plymouth Tool & Die Stampings Ltd.	45 Crock Ford Blvd., Scarborough
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
Precision Tool Works, Limited	3555 Danforth Ave., Toronto
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	22 Ripley Ave., Swansea
Reliable Tool and Mfg. Co.	Ormond St., Thorold
Reliance Tool & Die Castings Ltd.	217 Henry St., Brantford
Rice Tool & Die Company	2247 Harold Rd., Burlington
Richards-Wilcox Canadian Co., Ltd.	Terrace St., London
Rixon, Oscar C.T. 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
Russel Tool & Die Co.	Industrial St., Chatham
Salco Corporation Ltd.	88 Fourteenth St., New Toronto
Sands Tool Ltd.	35 Carlaw Ave., Toronto
Sang Manufacturing of Canada Ltd.	West Riverside Dr., Windsor
Schick (Canada) Ltd.	487-493 Adelaide St. W., Toronto
Scheberer 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
Sharly-Dietrich-Atkins Company, Limited	17 Glebe St., Galt
Sigma Tools	96 Crockford Blvd., Scarborough
Simpson, A.G., Co. Ltd.	773 Warden Ave., Scarborough
Stilecraft Steel Rule Dies	345 Carlaw Ave., Toronto
Smit, J.K. & Sons of Canada, Limited	81 Tycos Drive, Toronto 13
Smith & Schieder	433 Comstock Rd., Scarborough
Snap-on Tools of Canada, Ltd.	41 Cranfield Rd., Toronto 13
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
Steel Company of Canada, Limited	Colborne St. W., Brantford
Steel Company of Canada, Limited	Windermere Ave., Swansea
Steel Master Tool Company Ltd.	6500 Tecumseh Blvd., Sandwich E.
Steer, H.V., Engineering	144 Willowdale Ave., Toronto
Stewart Warner Corporation of Canada Limited	McDonald Ave., Belleville
Sunnen Products Company Limited	23 Grand Avenue E., Chatham
Superior Machine & Tool Co.	285 Inshes Ave., Chatham
Taylor Bros. Cutlery Co. Ltd.	9 MacNab St. N., Hamilton
Taylor Die & Tool Mfg. Co. Ltd.	625 Princess St., London
Taylor, J.A.M., Tool Co. Limited	59 Queen St., Galt
Techno Tool & Die Limited	385 Salter, Windsor
Thomson (Canada) Rivet Co. Ltd.	4th St. & Victoria Ave., Gananoque
Tools and Hardware Ltd.	112 Peter St. S., Orillia
Toronto Die Company	780 King St. W., Toronto
Toronto Lock Manufacturing Co. Limited	Paterson Place, Toronto
Toronto Metal Specialities	80 Raleigh Ave., Toronto
Toronto Screw Machine Products Ltd.	124 Manville Rd., Scarborough
Toronto Tool & Stamping Co.	1311 Queen St. E., Toronto
Union Tool & Die Works	41 St. Cecilia St., Eastview
Universal Engineering & Tool Works	82 Dundas St., London
Universal Engraving	301 King St. W., Toronto
Universal Tool & Die Co.	52 Metcalfe 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
Vanco Metals Limited	347 Church St., Mimico
Vicom & Co. (Canada) Ltd.	c/o Norman Rogers Airport, Kingston
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.

**List of Firms in the Hardware, Tools and Cutlery Industry, 1957 — Concluded**

Name	Address
<b>Ontario — Concluded:</b>	
Wallaceburg Engineering Co. Ltd.	208 Wallace St., Wallaceburg
Wallaceburg Tool & Mfg. Co. Ltd.	Wallaceburg
Ward, Alfred, & Son, Limited	44 Cathcart St., Hamilton
Warren Automatics	280 Wescott St., Peterborough
Wasco Valve Seat Co. Ltd.	Irwin and Gordon Sts., Essex
Wesson Cutting Tools Ltd.	93 Judge Rd., Toronto
Weston Machine & Tool Limited	179 Main St. N., Weston
Waterloo Metal Stampings Ltd.	3 Regina St. N., Waterloo
Welland Vale Mfg. Co. Ltd.	102 Tilson Ave., Tillsonburg
Welland Vale Mfg. Co. Ltd.	St. Catharines
Welland Vale Mfg. Co. Ltd.	Hamilton
Wentworth Mould & Die Co. Ltd.	99 Burton St., Hamilton
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
Wickman, A.C., Canada Limited	The Queensway, Etobicoke
Wiens Screw Products Limited	Queen Elizabeth Rd., Burlington
Wild, J.W., Co. Ltd.	24 Taber Rd., Rexdale
Willow Manufacturing Company	21 Sable St., Toronto
Windsor Tool & Die Ltd.	1680 Kildare Rd., Windsor
Wood, Fred, & Sons	11 Widmer St., Toronto
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. Ltd.	Yale Crescent, St. Catharines
Young, G.R., Screw Machine Products Limited	26 Six Point Rd., Toronto
Zettel Mfg.	179 Borden Ave. S., Kitchener
Zowie Products	12 Ashland Ave., Toronto
<b>Manitoba:</b>	
Card Bros. Mfg. Co.	1399 Erin St., Winnipeg
Dyck, J.I.	278 Kingsford Ave. N., Winnipeg
Klassen Brothers	421 Edison Ave. N., East Kildonan, Winnipeg
Kropp Tool & Die Works	1096 McPhillips St., Winnipeg
Microdar of Canada Ltd.	362 Furby St., Winnipeg
<b>Alberta:</b>	
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
<b>British Columbia:</b>	
Ace Tool & Engineering Ltd.	920 Clark Dr., Vancouver
Basco Mfg. Co. Ltd.	Campbell River
B.C. Diesel Service Engineers Ltd.	1330 Francis St., Vancouver
Biglo 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
Dunn's Sharp Edge Service	112 Main St., Vancouver
Kennametal of Canada, Limited	Suite 303 Castle Bldg., Victoria
Metal & Wood Products, Ltd.	43 East 3rd Ave., Vancouver
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
Port Metal Products Ltd.	2117 William St., Vancouver
Schlage Lock Co. of Canada Ltd.	P.O. Box 98, Vancouver 9
Shurly-Dietrich-Atkins Co. Ltd.	1642 Pandora St., Vancouver
Spear & Jackson (B.C.) Ltd.	2150 Rumble St., South Burnaby
Stuart Die Casting	1270 Boundary Rd., Burnaby
Tungbide Products Ltd.	1157 Richards St., Vancouver 2
Vancouver Tool & Die Co. Ltd.	1500 Pemberton Ave., North Vancouver
Viking Manufacturing Co. Ltd.	1671 East Hastings St., Vancouver
Weiser Lock Company of Canada Ltd.	1895 Hawthorn Ave., S. Burnaby



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