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# HARDWARE, TOOL AND CUTLERY MANUFACTURERS

1963

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## HARDWARE, TOOL AND CUTLERY MANUFACTURERS

1963

Data presented in this report under the heading of Hardware, Tool and Cutlery Manufacturers reflect implementation of the revised Standard Industrial Classification (S.I.C.) and the New Establishment Concept which are being used by the Dominion Bureau of Statistics in its compilation of industry statistics—see items "Standard Industrial Classification" and "Establishment" 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 metalworking 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.

### SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- preliminary figures.
- ˆ revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1 A. Principal Statistics classified by Province, 1962 and 1963

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	306	6,089	14,958	26,979	1,524	37,133	113,327	75,700	95	429	9,135	39,860	78,196
1962													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	2	1,868	4,008	6,691	370	14,342	37,607	23,892	28	113	2,509	10,241	24,430
New Brunswick	—												
Quebec	74	60	134	194	10	372	765	434	x	x	73	241	439
Ontario	234												
Manitoba	4	298	595	1,172	73	2,626	7,576	5,011	x	x	455	2,082	5,092
Saskatchewan	—												
Alberta	4	—	—	—	—	—	—	—	—	—	—	—	—
British Columbia	13												
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	331	7,714	17,039	30,784	1,666	47,685	131,563	84,015	117	558	10,223	45,096	87,270
1963													
Newfoundland	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia	2	x	x	x	x	x	x	x	—	—	x	x	x
New Brunswick	—	—	—	—	—	—	—	—	—	—	—	—	—
Quebec	80	1,970	4,258	7,306	398	15,720	40,855	25,061	33	150	2,620	11,176	25,391
Ontario	243	6,023	13,348	25,773	1,297	37,550	102,048	65,544	69	375	7,849	37,052	68,490
Manitoba	5	42	84	145	9	274	643	355	x	x	52	192	371
Saskatchewan	—	—	—	—	—	—	—	—	—	—	—	—	—
Alberta	6	x	x	x	x	x	x	x	x	x	x	x	x
British Columbia	15	343	686	1,398	81	3,708	8,526	4,743	x	x	520	2,460	4,870
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	351	8,434	18,488	34,837	1,792	57,418	152,705	98,193	197	547	11,112	51,157	99,834



TABLE 1 B. Principal Statistics classified by Size Groups based on Shipments of Goods of Own Manufacture, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1962													
Under \$10,000.....	15	9	8	13	7	29	105	69	13	35	12	18	69
\$ 10,000 to \$ 24,999.....	41	48	89	139	21	180	727	523	36	144	63	184	560
25,000 " 49,999.....	48	155	331	549	40	436	1,716	1,238	44	234	190	666	1,275
50,000 " 99,999.....	55	368	854	1,407	74	926	4,024	3,059	20	121	481	1,850	3,131
100,000 " 199,999.....	50	616	1,408	2,342	106	2,154	7,147	4,800	4	24	783	3,220	4,844
200,000 " 499,999.....	64	1,437	3,190	5,778	272	7,841	21,550	13,687	—	—	1,894	8,325	14,026
500,000 " 999,999.....	27	1,311	2,872	5,207	288	7,115	18,852	11,797	—	—	1,699	7,530	12,870
1,000,000 " 4,999,999.....	31	3,746	8,288	15,349	858	29,005	77,440	48,843	—	—	5,101	23,303	50,495
5,000,000 and over.....													
Head offices, sales offices and auxiliary units.....													
Totals.....	331	7,714	17,039	30,784	1,666	47,685	131,563	84,015	117	558	10,223	45,096	87,270
1963													
Under \$10,000.....	10	—	—	—	3	20	67	44	10	30	—	—	44
\$ 10,000 to \$ 24,999.....	38	36	72	115	15	214	662	447	32	136	49	162	454
25,000 " 49,999.....	57	177	355	607	40	721	2,130	1,415	40	234	218	770	1,419
50,000 " 99,999.....	50	324	656	1,210	61	1,070	3,565	2,479	23	135	406	1,592	2,499
100,000 " 199,999.....	64	731	1,531	2,829	151	3,191	9,336	6,186	2	12	931	3,959	6,304
200,000 " 499,999.....	62	1,358	2,909	5,461	264	7,340	20,335	13,059	—	—	1,750	7,807	13,555
500,000 " 999,999.....	34	1,576	3,574	6,704	300	8,541	23,754	15,390	—	—	2,016	9,611	16,176
1,000,000 " 4,999,999.....	36	4,232	9,391	17,912	958	36,322	92,856	57,172	—	—	5,742	27,256	59,183
5,000,000 and over.....													
Head offices, sales offices and auxiliary units.....													
Totals.....	351	8,434	18,488	34,837	1,792	57,418	152,705	96,193	107	547	11,112	51,157	99,634

TABLE 1 C. Principal Statistics classified by Size Groups based on Manufacturing Value Added, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1962													
Under \$10,000.....	26	17	16	28	13	79	368	131	20	61	27	63	119
\$ 10,000 to \$ 24,999.....	56	115	228	366	36	409	1,410	971	47	216	144	461	1,023
25,000 " 49,999.....	45	199	440	726	44	596	2,299	1,660	29	155	253	957	1,706
50,000 " 99,999.....	63	606	1,352	2,173	111	1,930	6,606	4,638	21	126	752	2,886	4,806
100,000 " 199,999.....	53	840	1,864	3,128	178	5,689	13,361	7,583	—	—	1,138	4,724	7,823
200,000 " 499,999.....	51	1,854	4,042	7,106	343	9,443	25,625	16,137	—	—	2,385	10,233	16,880
500,000 " 999,999.....	19	1,275	2,929	5,589	329	9,388	22,504	13,241	—	—	1,655	8,094	14,369
1,000,000 " 4,999,999.....	18	2,808	6,169	11,668	612	20,149	59,390	39,656	—	—	3,869	17,677	40,545
5,000,000 and over.....													
Head offices, sales offices and auxiliary units.....													
Totals.....	331	7,714	17,039	30,784	1,666	47,685	131,563	84,015	117	558	10,223	45,096	87,270
1963													
Under \$10,000.....	21	3	6	11	7	65	201	133	20	69	5	17	133
\$ 10,000 to \$ 24,999.....	56	96	192	307	27	566	1,502	929	45	208	124	405	941
25,000 " 49,999.....	53	227	454	808	58	992	2,790	1,804	35	224	280	1,044	1,832
50,000 " 99,999.....	66	608	1,241	2,223	122	2,772	7,470	4,722	7	46	772	3,093	4,803
100,000 " 199,999.....	58	921	1,953	3,578	190	5,518	13,908	8,409	—	—	1,225	5,283	8,755
200,000 " 499,999.....	52	1,735	3,773	6,983	307	9,943	27,012	17,231	—	—	2,244	10,225	18,206
500,000 " 999,999.....	25	1,721	3,847	7,102	388	11,753	29,532	17,756	—	—	2,171	10,179	18,206
1,000,000 " 4,999,999.....	20	3,123	7,023	13,825	693	25,808	70,289	45,209	—	—	4,291	20,912	45,209
5,000,000 and over.....													
Head offices, sales offices and auxiliary units.....													
Totals.....	351	8,434	18,488	34,837	1,792	57,418	152,705	96,193	107	547	11,112	51,157	99,634

TABLE 1 D. Principal Statistics classified by Size Groups based on Total Value Added, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1962</b>													
Under \$10,000.....	25	16	16	25	13	71	229	137	20	61	21	35	144
\$ 10,000 to \$ 24,999.....	52	94	190	317	31	341	1,267	903	47	216	118	390	902
25,000 " 49,999.....	48	208	453	735	46	645	2,475	1,650	27	150	260	962	1,678
50,000 " 99,999.....	63	599	1,332	2,139	109	1,818	6,383	4,519	23	131	747	2,850	4,629
100,000 " 199,999.....	57	963	2,089	3,472	208	6,570	14,918	8,203	—	—	1,263	5,148	8,423
200,000 " 499,999.....	47	1,681	3,708	6,549	290	8,105	23,071	14,947	—	—	2,164	9,306	15,286
500,000 " 999,999.....	18	1,105	2,571	4,838	275	7,393	18,502	11,316	—	—	1,419	6,879	12,341
1,000,000 " 4,999,999.....	21	3,048	6,680	12,708	694	22,741	64,718	42,341	—	—	4,231	19,525	43,867
5,000,000 and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Totals</b> .....	<b>331</b>	<b>7,714</b>	<b>17,039</b>	<b>30,784</b>	<b>1,666</b>	<b>47,685</b>	<b>131,563</b>	<b>84,015</b>	<b>117</b>	<b>558</b>	<b>10,223</b>	<b>45,096</b>	<b>67,270</b>
<b>1963</b>													
Under \$10,000.....	21	3	6	11	7	65	201	133	20	69	5	17	133
\$ 10,000 to \$ 24,999.....	55	93	186	298	26	563	1,481	912	45	208	119	387	916
25,000 " 49,999.....	54	228	456	812	58	947	2,775	1,830	35	224	283	1,054	1,847
50,000 " 99,999.....	63	583	1,187	2,104	118	2,701	7,105	4,423	7	46	737	2,914	4,486
100,000 " 199,999.....	59	938	1,988	3,675	192	5,437	13,872	8,459	—	—	1,192	5,186	8,539
200,000 " 499,999.....	51	1,672	3,670	6,690	269	10,565	26,905	16,157	—	—	2,152	9,636	16,693
500,000 " 999,999.....	26	1,643	3,659	6,702	375	10,439	27,340	17,214	—	—	2,098	9,704	18,027
1,000,000 " 4,999,999.....	22	3,274	7,337	14,545	748	26,702	73,024	39,050	—	—	4,526	22,260	49,012
5,000,000 and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Totals</b> .....	<b>351</b>	<b>8,434</b>	<b>18,488</b>	<b>34,837</b>	<b>1,792</b>	<b>57,418</b>	<b>152,705</b>	<b>96,193</b>	<b>107</b>	<b>547</b>	<b>11,112</b>	<b>51,157</b>	<b>99,634</b>

TABLE 1 E. Principal Statistics classified by Size Groups based on Total Employed, 1962 and 1963

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1962</b>													
Under 5 employed.....	87	116	227	378	55	555	2,087	1,478	79	366	145	480	1,501
5- 14 ".....	92	603	1,322	2,196	115	3,607	9,229	5,538	36	187	782	3,102	5,696
15- 49 ".....	95	1,825	4,122	7,312	363	8,671	25,432	16,583	2	5	2,399	10,478	17,049
50- 99 ".....	34	1,883	4,203	7,561	413	11,805	29,559	17,893	—	—	2,363	10,649	19,033
100-199 ".....	15	1,481	3,151	5,637	381	11,095	28,287	17,345	—	—	2,125	9,349	18,444
200-499 ".....	8	1,806	4,015	7,700	338	11,953	36,969	25,177	—	—	2,409	11,037	25,547
500 employed and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Totals</b> .....	<b>331</b>	<b>7,714</b>	<b>17,039</b>	<b>30,784</b>	<b>1,666</b>	<b>47,685</b>	<b>131,563</b>	<b>84,015</b>	<b>117</b>	<b>558</b>	<b>10,223</b>	<b>45,096</b>	<b>67,270</b>
<b>1963</b>													
Under 5 employed.....	86	117	234	395	48	839	2,288	1,446	74	351	148	524	1,451
5- 14 ".....	111	735	1,506	2,788	158	4,831	11,968	7,107	32	192	973	4,072	7,237
15- 49 ".....	93	1,885	4,026	7,590	361	9,672	28,262	18,633	1	4	2,447	10,976	19,290
50- 99 ".....	35	2,021	4,527	8,147	427	12,721	31,599	19,019	—	—	2,524	11,494	19,805
100-199 ".....	16	1,587	3,431	6,964	373	14,973	33,600	19,184	—	—	2,232	10,842	20,362
200-499 ".....	10	2,089	4,763	8,953	425	14,362	44,987	30,805	—	—	2,788	13,250	31,490
500 employed and over.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units.....	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Totals</b> .....	<b>351</b>	<b>8,434</b>	<b>18,488</b>	<b>34,837</b>	<b>1,792</b>	<b>57,418</b>	<b>152,705</b>	<b>96,193</b>	<b>107</b>	<b>547</b>	<b>11,112</b>	<b>51,157</b>	<b>99,634</b>

TABLE 1 F. Principal Statistics classified by Type of Organization, 1962 and 1963

Type of organization	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Total employees		Total value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1962													
Individual ownerships .....	63	143	298	492	43	486	1,824	1,307	61	285	157	515	1,315
Partnerships .....	30	140	271	458	29	390	1,700	1,286	56	272	165	576	1,326
Incorporated companies .....	238	7,431	16,470	29,833	1,594	46,808	128,038	81,423	...	...	9,901	44,005	84,628
Cooperatives .....													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	331	7,714	17,039	30,784	1,666	47,685	131,563	84,015	117	558	10,223	45,096	87,270
1963													
Individual ownerships .....	60	138	275	483	38	635	1,813	1,159	60	307	141	491	1,159
Partnerships .....	24	57	115	223	21	304	962	658	47	240	61	235	657
Incorporated companies .....	267	8,239	18,097	34,131	1,733	56,480	149,929	94,376	...	...	10,910	50,431	97,818
Cooperatives .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	351	8,434	18,488	34,837	1,792	57,418	152,705	96,193	107	547	11,112	51,157	99,634

TABLE 2. Industry Output, Input and Value Added, 1962 and 1963

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1962	1963	1962	1963	1962	1963
\$'000						
Output						
1. Shipments and other revenue .....	131,563	152,705	15,381	17,633	146,944	170,338
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	9,306	10,786	...	...	9,306	10,786
Finished goods .....	10,357	11,800	...	...	10,357	11,800
Less opening—Goods in process .....	8,405	8,909	...	...	8,405	8,909
Finished goods .....	9,454	10,977	...	...	9,454	10,977
2. Net inventory change .....	1,804	2,700	...	...	1,804	2,700
3. Gross output (1 + 2) .....	133,367	155,405	15,381	17,633	148,748	173,038
Input						
4. Purchases of goods not of own manufacture .....	...	...	11,677	13,893	11,677	13,893
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	2,238	2,481	2,238	2,481
Less closing .....	...	...	2,527	2,897	2,527	2,897
5. Cost of goods sold (not of own manufacture) .....	...	...	11,388	13,477	11,388	13,477
6. Materials, supplies, components and semi-processed goods	47,685	57,418	738	715	48,423	58,133
7. Fuel and electricity .....	1,666	1,792	...	...	1,666	1,792
8. Gross input (5 + 6 + 7) .....	49,351	59,210	12,126	14,192	61,477	73,401
Census value added (3-8) .....	84,015	96,193	3,255	3,441	87,270	99,634



TABLE 3. Employment and Payroll, 1962 and 1963

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total employees		Production and related workers		Admin- istra- tive and office	Sales and distrib- ution	Total salaries and wages
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
number										\$'000					
1962															
Newfoundland .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island ....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia .....	1,488	380	7	—	270	157	178	29	1,943	566	6,691	40	2,211	1,299	10,241
New Brunswick .....															
Quebec .....	4,664	824	3	5	834	449	326	81	5,827	1,359	22,727	15	7,400	2,389	32,531
Ontario .....															
Manitoba .....	56	4	—	—	8	3	1	1	65	8	194	—	40	7	241
Saskatchewan .....															
Alberta .....	223	75	7	5	70	37	34	4	334	121	1,172	61	552	297	2,082
British Columbia .....															
Yukon and Northwest Territories .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals .....	6,431	1,283	17	10	1,182	646	539	115	8,169	2,054	30,784	116	10,204	3,992	45,096
1963															
Newfoundland .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Prince Edward Island ....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia .....	x	x	—	—	x	x	x	x	x	x	x	—	x	x	x
New Brunswick .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quebec .....	1,575	395	—	—	273	138	196	43	2,044	576	7,306	—	2,328	1,542	11,176
Ontario .....	5,166	855	8	—	886	506	341	85	6,403	1,446	25,773	33	8,599	2,648	37,052
Manitoba .....	40	2	—	—	5	3	1	1	46	6	145	—	39	8	192
Saskatchewan .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Alberta .....	x	x	—	—	x	x	x	x	x	x	x	—	x	x	x
British Columbia .....	261	82	6	5	76	40	45	5	388	132	1,398	45	658	359	2,460
Yukon and Northwest Territories .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals .....	7,100	1,334	14	5	1,250	692	583	134	8,947	2,165	34,837	78	11,686	4,559	51,157

TABLE 3 A. Production and Related Workers,—Manufacturing Activity, by Months, 1962 and 1963

Month	Establishments reporting monthly detail			
	1962		1963	
	Male	Female	Male	Female
	number			
January .....	4,927	1,078	5,756	1,143
February .....	4,983	1,057	5,778	1,168
March .....	5,059	1,070	5,863	1,222
April .....	5,134	1,122	5,936	1,224
May .....	5,242	1,169	5,991	1,213
June .....	5,330	1,177	6,130	1,259
July .....	5,284	1,179	6,204	1,284
August .....	5,277	1,164	6,156	1,327
September .....	5,360	1,184	6,188	1,314
October .....	5,361	1,192	6,154	1,342
November .....	5,355	1,198	6,248	1,307
December .....	5,410	1,163	6,185	1,293
Average for establishments reporting monthly detail (collected only for large establish-ments) .....	5,220	1,148	6,037	1,256
Average for small establishments (only annual averages collected) .....	1,211	135	1,063	78
Average for all establishments .....	6,431	1,283	7,100	1,334

TABLE 4. Industry Inventories, 1963

Province	Manufacturing				Non-manufacturing	Total inventories
	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total manufacturing	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	x	x	—	x
New Brunswick .....	—	—	—	—	—	—
Quebec .....	3,662	1,408	4,069	9,138	525	9,663
Ontario .....	5,169	6,906	6,435	18,509	1,847	20,356
Manitoba .....	99	21	73	193	—	193
Saskatchewan .....	—	—	—	—	—	—
Alberta .....	—	—	x	x	—	x
British Columbia .....	825	575	354	1,754	109	1,863
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	9,755	8,909	10,977	29,641	2,481	32,122
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	x	x	—	x
New Brunswick .....	—	—	—	—	—	—
Quebec .....	3,945	1,868	3,933	9,745	503	10,249
Ontario .....	5,978	8,302	7,382	21,661	2,239	23,901
Manitoba .....	96	17	71	184	—	184
Saskatchewan .....	—	—	—	—	—	—
Alberta .....	—	—	x	x	—	x
British Columbia .....	973	599	334	1,907	154	2,061
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	10,992	10,786	11,800	33,577	2,897	36,474

TABLE 5. Purchased Fuel and Electricity Used in Manufacturing Activity, 1962 and 1963

Description	1962		1963	
	Quantity	Cost \$'000	Quantity	Cost \$'000
1. Large establishments which reported commodity detail:				
Bituminous coal:				
(a) From Canadian mines .....	ton	2,068	1,892	23
(b) Imported .....	"	5,102	4,538	66
Sub-bituminous coal (from Alberta mines only) .....	"	—	—	—
Anthracite coal .....	"	204	532	10
Lignite coal .....	"	—	—	—
Coke .....	"	—	5	—
Gasoline (including gasoline used in cars and trucks) ..	Imp. gal.	197,610	296,999	120
Fuel oil including kerosene or coal oil .....	"	2,320,364	2,060,174	273
Wood .....	cord	7	—	—
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	173,102	168,406	21
(b) Other manufactured gas .....	M cu. ft.	556	726	1
(c) Natural gas .....	"	192,055	270,436	264
Other fuel .....	...	—	...	3
Electricity purchased .....	kwh.	53,084,309	60,542,834	780
Steam purchased .....	...	18	...	15
2. Estimate for small establishments:				
Fuel and electricity .....	...	263	...	218
3. All establishments:				
<b>Total fuel and electricity used</b> .....	...	<b>1,666</b>	...	<b>1,792</b>

TABLE 6. Materials and Supplies - Manufacturing Activity, 1962 and 1963

Description	1962		1963	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Iron and steel:				
Castings:				
Iron (gray and malleable) .....	ton 934	335	930	419
Steel .....	" 1,290	245	1,656	486
Pig iron .....	" 125	9	122	12
Bars and rods .....	" 8,585	1,569	11,961	1,745
Plates .....	" 2,287	410	5,701	916
Sheets:				
Plain .....	" 11,654	1,819	12,683	1,838
Galvanized .....	" 642	103	711	113
Tin plate .....	" 3	1	166	38
Strip .....	" 10,392	3,008	10,377	2,883
Structural shapes .....	" 174	48	295	69
Wire .....	" 1,110	255	1,285	292
Alloy steel:				
Stainless:				
Billets, bars and rods .....	... 69	...	...	130
Other stainless .....	... 451	...	...	484
Other alloy and tool steel (including carbon, alloy and highspeed steels):				
Billets, bars and rods .....	... 3,519	...	...	4,102
Other .....	... 1,538	...	...	1,690
Scrap iron and steel:				
Purchased .....	-	-	-	-
Own make .....	-	...	836	...
All other iron and steel .....	...	1,611	...	2,249
Non-ferrous metals:				
Aluminum:				
Castings .....	lb. 322,099	164	101,612	52
Sheet .....	" 767,351	363	524,779	228
Other .....	" 1,341,040	573	1,672,732	806
Bronze and brass .....	" 2,670,894	1,150	3,054,254	1,261
Copper:				
Sheet .....	" 122,250	62	30,636	18
Wire .....	" 4,000	2	9,220	5
Other forms .....	" 95,592	51	40,645	26
Lead .....	" 19,834	3	16,577	2
Nickel .....	" 20,583	19	59,823	52
Tin .....	" 1,544	2	1,404	1
Zinc .....	" 3,214,444	762	3,388,758	595
Other non-ferrous .....	... 105	...	...	80
Other materials:				
Handles .....	... 561	...	...	633
Paints, oils and varnishes .....	... 127	...	...	122
Lumber .....	M ft. b.m. 859	87	704	73
All other materials and components used <sup>1</sup> .....	...	20,599	...	26,673
2. Containers and other packaging materials and supplies used .....	...	2,604	...	2,076
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	2,992	...	3,301
4. Amount paid out to others for work done on materials owned by establishments .....	...	2,470	...	3,948
Totals .....	...	47,685	...	57,418

<sup>1</sup> No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$3,921,070, in 1962 and \$4,642,162 in 1963.

TABLE 7. Shipments of Goods of Own Manufacture, 1962 and 1963

Description	1962		1963	
	Quantity	Value \$'000	Quantity	Value \$'000
1. Products:				
Safety razors and blades, steel table cutlery, scissors, army knives etc.....	...	10,594	...	10,215
Hardware:				
Automobile .....	...	2,253	...	3,721
Builders' and shelf .....	...	24,493	...	24,260
Furniture and cabinet .....	...	6,143	...	6,839
Trunk and suitcase .....	...	374	...	382
Other hardware .....	...	6,527	...	8,727
Hand implements:				
Axes and hatchets .....	No. 272,113	647	281,999	697
Canthooks, peavies and pikepoles .....	" 71,302	270	94,883	334
Spades, shovels and scoops .....	" 950,343	2,162	1,227,007	2,527
Other hand implements .....	...	2,155	...	2,180
Tungsten carbide products:				
Tools, including masonry drills .....	...	1,878	...	2,027
Dies .....	...	677	...	931
Other products (tips or blanks and rock drill bits) .....	...	2,327	...	2,613
Tools, hand and small:				
Automotive tools (hand and power-driven) .....	...	1,196	...	1,548
Carpenters' and mechanics', including files .....	...	9,885	...	10,295
Jigs and fixtures .....	...	2,701	...	2,681
Machine knives .....	...	1,936	...	2,129
Drills, taps, bits, reamers, punches and threading dies (including screw plates) .....	...	3,461	...	4,160
Milling cutters .....	...	957	...	986
Other tools .....	...	3,249	...	3,072
Miscellaneous:				
Bolts, nuts, rivets, washers, screws and allied products .....	...	1,424	...	1,505
Casters, other than glass .....	...	651	...	1,105
Dies for drawing, cutting or stamping .....	...	14,702	...	17,229
Saws, metal-cutting; including circular, band and hacksaw blades (hand and power) .....	...	2,676	...	2,897
Saws, wood-cutting, and parts .....	...	8,005	...	8,722
Received from custom and repair work .....	...	293	...	613
All other products .....	...	18,418	...	28,694
2. Amount received in payment for work done on materials and products owned by others .....	...	2,018	...	2,091
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(509)	...	(475)
Net adjustment for establishments receiving progress payments .....	...	...	...	...
<b>Total adjusted value of shipments and work done .....</b>	<b>...</b>	<b>131,563</b>	<b>...</b>	<b>152,705</b>

TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries

(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

A. Hardware, 1962 and 1963

	Value	
	1962	1963
	\$'000	
Builders' and shelf .....	26,786	26,231
Marine and rigging .....	1,698	1,441
Pole line (except insulators) .....	13,504	12,642
Automobile .....	11,325	16,072
Furniture and cabinet .....	6,463	6,863
Trunk and suitcase .....	374	382
Other .....	6,938	11,700
<b>Totals .....</b>	<b>67,088</b>	<b>75,331</b>

B. Wood-cutting Saws, 1962 and 1963

	Value	
	1962	1963
	\$'000	
Power saws:		
Circular (blades only) .....	1,499	1,669
Band (blades only) .....	813	820
Drag and gang (blades only) .....	1	1
Crosscut saws .....	165	163
Web saws .....	1	1
Hand-saws .....	724	654
Parts for above, including saw-teeth .....	1,636	1,463
Power chain saws <sup>2</sup> .....	6,769	8,163
Parts for power chain saws .....	6,183	6,637
<b>Totals .....</b>	<b>17,789</b>	<b>19,565</b>



TABLE 8. Shipments of Selected Goods of Own Manufacture - All Industries - Concluded  
C. Axes and Hatchets, 1954 - 63

Year	Number	Value	Year	Number	Value
	'000	\$'000		'000	\$'000
1954 .....	456	762	1959 .....	310	705
1955 .....	504	893	1960 .....	325	780
1956 .....	512	1,013	1961 .....	253	600
1957 .....	406	881	1962 .....	289	679
1958 .....	324	722	1963 .....	283	728

D. Spades and Shovels, 1954 - 63

Year	Number	Value	Year	Number	Value
	'000	\$'000		'000	\$'000
1954 .....	871	1,255	1959 .....	1,106	2,420
1955 .....	1,054	1,695	1960 .....	1,055	2,072
1956 .....	1,134	2,182	1961 .....	779	1,894
1957 .....	815	1,733	1962 .....	1,053	2,396
1958 .....	1,158	2,438	1963 .....	1,227	2,527

E. Forks, Rakes, Hoes and Peavies, 1954 - 63

Year	Forks		Rakes		Hoes		Peavies, canthooks and pike poles
	Number	Value	Number	Value	Number	Value	
	'000	\$'000	'000	\$'000	'000	\$'000	\$'000
1954 .....	302	422	255	245	226	226	506
1955 .....	281	418	296	313	211	225	487
1956 .....	301	478	331	377	209	238	561
1957 .....	264	468	314	504	153	216	302
1958 .....	216	481	132	213	120	183	232
1959 .....	148	275	282	514	139	253	224
1960 .....	167	293	255	473	116	212	309
1961 .....	163	301	301	548	119	212	289
1962 .....	194	343	367	654	125	222	304
1963 .....	230	409	438	779	157	279	367

F. Small Tools,<sup>1</sup> 1962 and 1963

	Value	
	1962	1963
	\$'000	
Carpenters' and mechanics', including files .....	8,657	10,127
Machine knives .....	1,936	2,129
Drills, taps, bits, reamers, punches, and threading dies (including screw-plates) .....	3,561	4,160
Milling cutters .....	957	986
Gauges (plug, ring, snap, thread, etc.) .....	429	170
Other tools, jigs and fixtures .....	17,374	13,779
Totals .....	32,914	31,351

G. Miscellaneous Steel Cutlery,<sup>4</sup> 1954 - 63

Year	Value	Year	Value
	\$'000		\$'000
1954 .....	2,308	1959 .....	2,518
1955 .....	2,568	1960 .....	2,249
1956 .....	3,245	1961 .....	2,885
1957 .....	2,757	1962 .....	3,638
1958 .....	2,622	1963 .....	3,099

<sup>1</sup> Included with "Parts for above, including saw-teeth".

<sup>2</sup> Represents value of 103,736 chain saws.

<sup>3</sup> Does not include pneumatic or electric tools.

<sup>4</sup> Includes paring knives, bread-knives, army utility knives, scissors, unplated table cutlery, etc. Sterling silver and silver-plated ware not included.



List of Establishments classified to This Industry, 1963

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
<b>Nova Scotia:</b>	
Grohmann Knives Limited .....	Pictou
Morrison, H.K. & Sons Ltd. ....	Mount Uniacke
<b>Quebec:</b>	
Aero Mécanique Ltée .....	1 Dery Ave., Quebec 5
Almet Findings Limited .....	433 St Martin, Montreal 3
Alpha Tool Corporation .....	4701 Rivard St., Montreal 34
Boisvert, J.R. & Cie Ltée .....	Grandes Piles
Brunner & Lay (Canada) Ltd. ....	Lachine
Canada Tools Reg'd. ....	Rawdon
Canadian Cutting Dies Reg'd. ....	2 A Third Ave., Quebec 3
Canadian Die Works Reg'd. ....	1007 A St. Elizabeth St., Montreal 18
Canadian Tool Engrg. Co. ....	254 Queen St., Montreal 3
Canadian Wire, Die Works Ltd. ....	2825 Jacques Hertel St., Montreal 20
Canuel, Onézime .....	St. Ulric, Co. Matame
Capitol Industries Ltd. ....	2680 Fullum St., Montreal
City Steel Rule Dies .....	9103 Iberville St., St-Michel
Colonial Tool & Dies Reg'd. ....	7990 15ième Avenue, St-Michel
Cosmos Cutting Dies Inc. ....	2180 L'Espérance, Montréal 24
Denman Engraving Reg'd. ....	360 Recollet St., Montréal
Dianco Co. ....	5910 Park Ave., Montreal
Diamond Productions Co. of Canada	740 St. Maurice Blvd., Montreal
Diemakers Ltd. ....	8275 Durocher St., Montreal
Dominion Lock Co. Ltd. ....	7301 Decarie Blvd., Montreal
Drummond Die & Stamping Reg'd. ....	Drummondville
Dube Metal Works .....	5828 St. André, Montreal
Dumco Metal Products Co. Ltd. ....	10780 St Hubert, Montreal
Economy Steel Rule Dies Ltd. ....	957 Amherst St., Montreal 24
Empire Cutlery Ltd. ....	233 Broadway St., Montreal East
Esty Limited .....	Bedford
Evans Rule Mfg. Co. Ltd. ....	5653 Paré St., Town of Mount Royal
Francana Ltée .....	7925 Danté St., Ville St-Michel
Fuller Tool Co., Ltd. ....	4480 Côte de Liesse Rd., Montreal 9
Furniss Clarke & Co. Limited .....	10713 Racette Blvd., Montreal North
Gauvreau & Fils Engr. ....	St-Hyacinthe
Gillette of Canada Ltd. ....	5450 Côte de Liesse Rd., Town of Mount Royal
Girard Yvon .....	St-Hyacinthe
Glo-Hill Corp. ....	425 River St., Verdun
G.R.S. Tool & Die Inc. ....	4230 Hogan St., Montreal
Gordy Tool & Die Works Ltd. ....	1865 Fortin Blvd., Chomedey
Hamelin Engraving Reg'd. ....	4591 Brébeuf St., Montreal
Ideal Builders Hardware Corp. ....	860-90th Ave., Lasalle
International Sign Erection Hardware Reg'd. ....	Cap Santé
Jewel Bearings Ltd. ....	Ste-Foy
K & K Tool Limited .....	115 Duvernay St., St. Johns
La Cie A. Garant & Fils Ltée .....	St-François-de-Montmagny
La Compagnie Des Scies "Champion" Ltée .....	764 St Vaillier Ouest, Quebec
Le Page Brothers Company .....	1540 Craig St., East, Montreal 24
Les Scies Mercier Limited .....	Lévis
London Steel Rule Die Company Ltd. ....	3555 Metropolitan Blvd. E., Montreal
Maple Leaf Cutlery Co. Ltd. ....	11341 Sherbrooke St., East, Montreal East
Metal Rousseau Metal Inc. ....	L'Islet
Metal Works Ltd. ....	425 River St., Verdun, Montreal 19
Montreal Die Works Ltd. ....	4215 Gascon Ave., Montreal 34
Montreal Hardware Mfg. Co. Limited, The .....	2567 Notre-Dame St. E., Montreal 24
Montreal Stamping Tool & Dies Casting .....	10310 Pelletier, Montreal North
North Star Engineering Products .....	2285 Ekers Ave., Montreal 26
Plourde, Philippe .....	Kénogami
Pouliès Maska Pulleys Inc. ....	St-Hyacinthe
Precision Steel Rule Dies Ltd. ....	7192 Marconi Ave., Montreal
Preci-Tools Ltd. ....	4000 Courtral, Montreal
Provincial Production Die Inc. ....	Sherbrooke
Quebec Steel Products Ltd. ....	45 St. Joseph St., Lachine
Rapid Bit Co. ....	5236 Angers St., Montreal 20
Reliable Engraving Inc. ....	649 Notre-Dame St. West, Montreal 3
Richard, A. Ltée .....	Berthierville
Rivard, F.C. Engr. ....	4877-6th Ave., Rosemont, Montreal
Security Hardware Co. ....	2158 Montgomery St., Montreal 1
Service Technique Outillage & Production .....	1575 Montée De Liesse, Ville St Laurent
Sharp Precision Tool & Die Co. Ltd. ....	354 Inspector St., Montreal 3
Simonds Canada Saw Co. Limited .....	Granby
Stanley Works of Canada Ltd., The .....	Roxton Pond
Steel Rule Dies Co. Ltd. ....	716 St. James W., Montreal
St. Martin Die Casting Co. Ltd. ....	St. Marc Des Carrières
Sweco Saw Co., Ltd. ....	8125 Rue Pascal Gagnon, St-Léonard
Threepoint Products .....	6779 Waverly St., Montreal 8
Tool & Die Precision Works Ltd. ....	730 Notre-Dame W., Montreal
Union Twist Drill Co. (Butterfield Division) .....	Rock Island, Stanstead
Unique Sash Balance Co. Ltd. ....	7590-19th Ave., Ville St-Michel
United Cutting Dies Ltd. ....	Fort Chambly
Universal Machine Tools Reg'd. ....	9240 rue Hochelaga, Montreal 3
Walters Axe Co. Ltd. ....	85 Front St., Hull
Westra Ltd. ....	7521 Boyer St., Montreal 10
W. & W. Precision Machinery Co. Ltd. ....	754 St. Maurice, Montreal

List of Establishments classified to This Industry, 1963 - Continued

Name	Location
<b>Ontario:</b>	
Ace Tool & Mfg. Co.	Sandwich West Township
Acmetrack Ltd.	40 Kelfield St., Rexdale
Advance Engineering	838 Eglinton Ave. E., Toronto 17
Advance Metal Industries Ltd.	Kitchener
Advanced Wire Die Ltd.	71 Carling St., London
Amerock Ltd.	Meaford
Anchor Machine & Mfg. Ltd.	Port Credit
Animal Trap Co. of America	1781 Ellen Ave., Niagara Falls
Applied Engineering	51 Cranfield Rd., Toronto 16
Arrow Tools Ltd.	1501 Crawford Ave., Windsor
Art Die Cutting Co.	43 Densley Ave., Toronto 15
Asco Mfg. Ltd.	50-52 Metcalfe St., Toronto 5
Ashman Industries Limited	43 Glen Rd., Hamilton
Aurora Tool & Mfg. Co. Ltd.	Newmarket
Barker-Thorne Ltd.	120 Tycoos Dr., Toronto 19
Bartell Industries	1285 Caledonia Rd., Toronto 19
Bathurst Tool & Machine Ltd.	27 Bathurst St., Toronto 2B
Beatty Machine & Tool Works Ltd.	103 Crockford Blvd., Scarborough
Be-ex Extrusion Dies	1219 Bay St., Toronto 5
Bernzomatic Ltd.	36 Caledonia Rd., Toronto 10
Bertram, John & Sons Co. Ltd., The	Dundas
Bilston Limited	121 Laird Dr., Leaside, Toronto 17
Blinder Tool & Mold Ltd.	2930 College St., Windsor
Bomba Diamond Tools	Agincourt
Bond Engineering Works Limited	16 Munition St., Toronto 2
Border Tool & Die Ltd.	2946 Walker Rd., Windsor
Brantford Tool Ltd.	Brantford
Brenco Machine & Tool Co. Ltd.	Brantford
Bryant Pattern & Mfg. Co. Ltd.	Sandwich W. Township
Brydon Brass Mfg. Co. Ltd.	Brydon Dr. & Rexdale Blvd., Rexdale
Budd Machine - Tool Co. Ltd.	3064 Devon Rd., Windsor
Burgess Machine & Tool	Wallaceburg
Calabogie Metal Products	Calabogie
Canada Casters Limited	Woodstock
Canada Illinois Tools Limited	75 Scarsdale Rd., Don Mills
Canada Tool Co. (Galt)	Galt
Canadian Desmond-Stephen Mfg. Co.	252 Gibson Ave. N. (Rear), Hamilton
Canadian Drop Die Co.	Leamington
Canadian Engineering & Tool Co. Ltd., (Plant 1)	920 Mercer St., Windsor
Canadian Engineering & Tool Company Limited (Plant 2)	920 Mercer St., Windsor
Canadian General Electric Co. Ltd.	1199 Lansdowne Ave., Toronto 4
Canadian Landts Machine Co. Ltd.	Weiland
Canadian Tap & Die Co., Ltd.	Galt
Canadian Warren-Pink Limited	Ontario & Carlton, St. Catharines
Centrelinc (Windsor) Ltd.	2801 Howard Ave., Windsor
Champion Tool & Die Co.	130 Clarke Side Rd., London
Chapat Engineering & Sales Co. Ltd.	25 Sawyer Rd., Hamilton
Chroy Steel Rule Dies	126 Sinnott Rd., Scarborough
Cochrane Tool & Design Ltd.	201 Ashtonbee Rd., Scarborough
College Tool and Die	1571 Keele St., Toronto 9
Colonial Tool Company	1691 Walker Rd., Windsor
Continental Tool & Mould	1603 Highland Ave., Windsor
Coppick J.T., Industries Ltd.	377 Munster Ave., Toronto 18
C.P. Tool & Die Co.	Woodbridge
Crescent Tool & Die Ltd.	4031 Huron Line., Sandwich W. Twnp.
Crowdertrack Ltd.	Clarkson
C & T Tool & Machine Co.	Peterborough
Custom Diemakers Ltd.	380 Dawes Road, Toronto 16
Custom Dies	49 Glen Rd., Hamilton
Dafew Mfg. Ltd.	85 Northline Rd., Toronto 16
Darnell Corp. of Canada Ltd.	7 Staffordshire Place, Toronto 14
D. & D. Steel Rule Dies & Carton Co.	1122 Castelfield Ave., Toronto 10
Densmore Tool & Die Works Ltd.	2 Hiscott St., St. Catharines
Dieomatic Metal Products Ltd.	Ohio Road, Richmond Hill
Diver, J.E. (Steel Rule Dies)	725 Hamilton Rd., London
Do All Company of Canada Ltd., The	35 Clarkson Ave., Toronto 10
Dominion Brass Products Ltd.	65 Saultier St., Toronto 8
Dominion Twist Drill Limited	1880 Assumption St., Windsor
Dooley Tool & Die	47A Colville Rd., Toronto 15
Dreher, J. Estate	Waterloo
Eagle Precision Tool Ltd.	Brantford
Economy Die Makers	56 Esplanade St. E., Toronto 1
Electromac Ltd.	4085 Ambassador Dr., Windsor
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 Road, Toronto 15
Extrusion Machine Co. Ltd.	67 Blake St., Toronto 6
Falcon Tool & Die Co. Ltd.	3238 Marentette Rd., Windsor
Fastcut Diamond Tools Ltd.	135 Lakeshore Dr., North Bay
Faultless Casters Ltd.	Stratford
F.B. Tool and Die Ltd.	237 North Vine St., St. Catharines
F. & K. Tool & Die Mfg. Co.	302 Bridgeland Ave., Toronto 19
Ferrum Metal Mfg. Co.	63 Densley Ave., Toronto
Flath Brown Tools (Canada) Ltd.	Galt
Flath-Stirling (Canada) Ltd.	Brantford
Fint Mfg. & Sales Ltd.	399 Kennedy Rd., Scarborough
Fowler, J.H. Ltd.	St. Thomas
Frank Tool & Die Co. Ltd., The	Burlington
Fraser Tool Engineering Co.	Galt
Furniture Hardware Ltd.	15 Ingram Dr., Toronto 15
Galt Knife Company Limited, The	Galt
Georgian Bay Industries	Penetang



List of Establishments classified to This Industry, 1963 - Continued

Name	Location
<b>Ontario - Continued:</b>	
Glider Guard Mfg. Co. Ltd.	1151 Tecumseh Ro. W., Windsor
Globe Stamping Co. Ltd.	Kitchener
Gray Forgings & Stamping Ltd.	710 St. Clarens Ave., Toronto 4
Guenther Industries	Burlington
Hahn Brass Company Ltd.	New Hamburg
Hamilton Mould Tool & Die Co.	410 Birch Ave., Hamilton
Hamac Industries (Whitby) Ltd.	Whitby
Harth Tool & Die	Galt
Hay, Peter, Knife Co. Limited, The	Galt
Hercules Tool & Die Limited	1695 Turner Rd., Windsor
Hi-Grade Die & Tool Ltd.	Welland
Hilco Gauge Mfg. Co. Ltd.	38 Chauncey Ave., Toronto 18
Hollymade Hardware Mfg. Co.	22 Ripley Rd., Toronto 3
Horland Engineering Co.	399 Vancouver St., London
HVR Metalcrafts Ltd.	Brantford
Imperial Tool & Die Ltd.	1335 Martingrove Rd., Rexdale
Index Machine & Tool	2536 Dougall Ave., Windsor
Industrial Tool	Oshawa
International Engineering Co.	289 Sumach St. Toronto 2
International Hardware Co. of Can. Ltd.	Belleville
International Tool Limited	P.O. Box 68, Sandwich Postal Station, Windsor
Irwin-Bender Tool Co. Ltd.	30 Chauncey Ave., Toronto
J. & C. Tool & Die Ltd.	1197 Laurendeau St., Windsor
Jobborn Manufacturing Ltd.	11 - 17 Brock St., Hamilton
Jones Shovel Company Ltd.	Gananoque
Kennametal Tool & Manufacturing Co. Ltd.	371 Sherman Ave. N., Hamilton
Kevro Crafts & Industries Ltd.	Bldg. No. 1, North 777 Warden Ave., Scarborough
Kincot Cutting Tools Ltd.	4 Kincort St., Toronto 15
Kirkhurst Industries Ltd.	Cooksville
Kot Tool & Die Co. Ltd.	29 Morley St., Hamilton
Krawczyk, L.	Kitchener
Ladore & Company Ltd.	Walkerville
Larsen & Shaw Limited	Walkerton
Law & Aderson Limited	3822 Sandwich St. W., Windsor
L.C.N. Closers of Canada Ltd.	Port Credit
Leadercraft Ltd.	2091 Dufferin St., Toronto 10
Ledco Limited	Kitchener
Lenco Welding Accessories Ltd.	1660 Durham St., Windsor
Lennox Tool & Die Co.	53 Carson St., Etobicoke
Lufkin Rule Co. of Canada Ltd.	Barrie
M. & B. Precision Products Ltd.	Petrie St., St. Catharines
Mallory Hardware Products Ltd.	Blenheim
Maple Leaf Tool & Die Co.	Oshawa
Markham Tool & Stamping	Markham
Master Mechanical Design & Mfg. Ltd.	139 Wendell Ave., Weston
Master Steel Rule Dies	85 Jonesville Cr., Toronto 16
McKinney Skillcraft Ltd.	1209 King St. W., Toronto 3
McPhail Tool & Die	Sombra
McPherson, David	73 Jarwick Dr., Scarborough
Metalair Ltd.	11 Jutland Rd., Toronto 18
Metro Tool Co. Ltd.	3873 Walker Rd., Windsor
Moczik Tool & Dies Works-of-Canada Ltd.	Chatham
Modern Caster Co. Ltd.	Concord
Mooring Tool & Engineering	3 Frances St., Hamilton
National Cutlery Limited	29 Medulla Ave., Toronto 18
National Hardware Specialties Ltd.	Dresden
National Tool Distributors Ltd.	Preston
National Trading & Manufacturing Ltd.	338 Bering Ave., Toronto 18
Nicholson File Co. of Canada Ltd.	Port Hope
Nickleson Tool & Die Co. Ltd.	1562 Windsor Ave., Windsor
Nova Dies & Metal Stampings	338 Bering Ave., Toronto 18
Nuday Equipment Co. of Canada Ltd., The	1708 Langlois Ave., Windsor
Omark Industries (1960) Ltd.	Guelph
Ontario Die Company, Ltd.	Waterloo
Ontario Machine & Tool Works, Ltd.	213 Monarch Ave., Ajax
Ontario Mould & Die Co.	117 Cheeuer St., Hamilton
Paragon Tools Ltd.	4050 Malden Rd., Windsor
Plymouth Tool & Stamping Ltd.	54 Crockford Blvd. Scarborough
Porter, H.K., Co. (Canada) Ltd. (Disston Division)	Acton
Precision Engraving Co. Ltd.	39 McMurrich St., Toronto 5
Precision Machine Co.	1620 Barton St., E. Hamilton
Precision Tool & Die	Georgetown
Prisma Tool & Die Co.	St-Thomas
Preston Tool & Die Co., Ltd.	Preston
Progress Precision Machinery & Tool Co.	28 Jutland St., Toronto
Proto Tools of Canada Ltd.	1764 Oxford St. E., London
Punch Craft Tools Ltd.	151 Beilfield Rd., Rexdale
Quality Tool & Die Co. Ltd.	19 Jutland Rd., Toronto 18
Ramset Fasteners	11 - 15 La Plante Ave., Toronto 2
Raytech Industries Ltd.	87 Kipling Ave. S., Toronto 18
Rice Tool & Die Ltd.	Burlington
Rixson of Canada Ltd.	43 Racine Rd., Rexdale
Russel Tool & Die Ltd.	Chatham
Ruthard, E.	Midland
Sabre Saw Chain (1963) Ltd.	618 Parkdale Ave., N. Hamilton
Salco Corporation Ltd.	88 - 14th St. Toronto 14
Sands Tools Ltd.	35 Carlaw Ave., Toronto 8
Sargent Hardware of Canada Ltd.	Peterborough
Schick Safety Razor Co.	149 Bartley Dr., Toronto 16
Schwebler Tool & Die	Preston
Seco Tool Co. Limited	90 Sherbourne St., Toronto 2
Semtec Ltd.	3500 Ontario St., Windsor
Shanfield Industries Limited	42 Parklawn Rd., Toronto 18

List of Establishments classified to This Industry, 1963 - Concluded

Name	Location
<b>Ontario - Concluded:</b>	
Shepherd Casters (Canada) Ltd.	23 Rainside Rd., Don Mills
Shurly-Dietrich-Atkins Company Limited	Galt
Sigma Tools Ltd.	251 Nantucket Blvd., Scarborough
Simpson, A.G., Co. Ltd.	733 Warden Ave., Scarborough
Skilcraft Steel Rule Dies Ltd.	22 Cranfield Rd., Toronto 16
Smith, C.C., Tool & Die Co.	77 Lillian Dr., Scarborough
Stanley Works of Canada Limited, The	65 Imperial St., Hamilton
St. Clair Tool & Die Ltd.	Wallaceburg
Steel Master Tool Company Ltd.	Tecumseh Rd., East, Windsor
Stephan's Machine Shop	Tilbury
Stephen Tool & Die Co.	1015 Crawford Ave., Windsor
Superior Machine & Tool (Chatham) Ltd.	Chatham
Systematic Tool & Die Co. Ltd.	70 Belfield Rd., Rexdale
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	285 Saller Ave., Windsor
Thack Mould & Mfg. Co. Ltd.	Quigley Rd., Hamilton
Therotechnics Ltd.	108 McDougall Ave., Windsor
Tickins Industrial Products Ltd.	1062 Kipling Ave. N., Rexdale
Tools & Hardware Ltd.	Orillia
Toronto Metal Specialties	80 Raleigh Ave., Toronto 13
Toronto Mould Engineering Co.	1A Harold St., Toronto 14
Toronto Tool & Stamping Co. Ltd.	1311 Queen St. E., Toronto 8
Trisen Tool & Die Ltd.	2249 S. Cameron Blvd., Windsor
Tru-Mold Ltd.	40 Brydon St., Toronto
Turner Steel Rule Dies	777 Warden Ave., Scarboro.
United Tool & Die	34 Chauncey Ave., Toronto 18
Universal Gravo-Plast Ltd.	9 Golden Gate Court, Scarborough
Vallant Machine & Tool Co. Ltd.	938 Walker Rd., Windsor
Vandex Machine & Tool Co.	RR. # 3, London
Vannatter, H.E., Ltd.	Wallaceburg
Vicom & Co. (Canada) Ltd.	Kingston
Wahl Clipper Corp. of Canada Ltd.	3967 Walker Rd., Windsor
Wallaceburg Engineering Co. Ltd.	Wallaceburg
Wallaceburg Tool & Mfg. Ltd.	Wallaceburg
Ward, Alfred, & Son Limited	44 Cathcart St., Hamilton
Waterloo Metal Stampings Ltd.	Waterloo
Welland Vale Mfg. Co. Ltd.	St. Catharines
Welland Vale Mfg. Co. Ltd.	Imperial St., Hamilton
Wentworth Mould & Die Co. Ltd.	99 Burton St., Hamilton
Werner Metal Products	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.	Whitby
White Eagle Tool & Die Co. Ltd.	4250 Huron Line, Windsor
Wickman, A.C. Ltd.	1425 The Queensway, Toronto 18
Wienholtz & Dahnz Co.	15 Apex Rd., Toronto 19
Will-Tools Ltd.	Dixie
Willoughby Tool & Die Works	Fort Erie
Windsor Mold Finishers	3236 Walker Rd., Windsor
Windsor Tool & Die Ltd.	1680 Kildare Rd., Windsor
W.M. Tool Co.	572 Pierre Ave., Windsor
Wright Aluminum Co. Limited	2891 Dufferin St. Toronto 19
Wright, Carl Edward, Co.	Oakville
Yale & Towne Inc.	Yale Crescent, St. Catharines
Zenith Tool & Die Ltd.	Georgetown
Zettel Manufacturing Ltd.	Kitchener
<b>Manitoba:</b>	
Dyck, J.L., Mfg. Ltd.	455 Epison Ave., North Kildonan
Kropp Tool & Die Ltd.	1096 Alexander Ave. Winnipeg 3
Microdar of Canada Ltd.	1085 Winnipeg Ave., Winnipeg 3
Pre Vue Company (Canada) Ltd.	1695 Sargent Ave., Winnipeg
Sigurdsons Ice Augers	Arnes
<b>Alberta:</b>	
Barnard Tool & Die Works	216-50th Ave. S.E., Calgary
Canada Bit Ltd.	9206-51st. Ave., Edmonton
"Midgit" Tool & Die Works Ltd.	9665 Argyle Rd., Edmonton
Prestrite Metal Products Ltd.	6715-82nd. Ave., Edmonton
Stamco Specialty Tool & Mfg. Co. Ltd.	10012-106 Ave., Edmonton
Toolco Tool & Die Makers	7917 Argyle Rd., Edmonton
<b>British Columbia:</b>	
Ace Tool & Engineering Ltd.	920 Clark Dr., Vancouver
Adka Industries Ltd.	1290 Boundary Rd., Vancouver 6
Alpine Engineering Co. Ltd.	908 Odium Dr., Vancouver 6
Canadian Warren-Pink Ltd.	215 West 4th. Ave., Vancouver 10
Cascade Saw & Tool Co. Ltd.	149 E. Columbia St., New Westminster
Dunn's Sharp Edge Service	112 Main St. Vancouver 4
Hamadan Tool & Die Mfg. Ltd.	675 Venables St., Vancouver 6
Kaninametal of Canada Limited	759 Caledonia St., Victoria
McLean Tool Manufacturing	2155 West 10th Ave., Vancouver 9
Nyran Industries Ltd.	5935 E. Hastings St., North Burnaby
Rebar Industries Ltd.	1810 Flr St., Vancouver 9
Schlage Lock Co. of Canada Ltd.	1290 Marine Dr., North Vancouver
Shurly-Dietrich-Atkins Co. Ltd.	1642 Pandora St., Vancouver
Spear & Jackson (B.C.) Ltd.	6700 Rumble St., South Burnaby
Waiser Lock Company of Canada Ltd.	7374 Hawthorne Ave., South Burnaby



# CONCEPTS AND DEFINITIONS

## Census of Manufactures

### General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 58 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 178 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

The reporting unit for the Census is designated as the **establishment** (see definition of "Establishment" in following section) and a return is requested from every establishment classified to a manufacturing industry. Although respondents are required to submit reports covering the calendar year, financial year reports other than the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. When an establishment is operated for only part of a year a report is required covering the period of operation.

There are four different questionnaires used in the Census of Manufactures; (a) short form (b) long form (c) head office questionnaire and (d) commodity questionnaire. The short and long forms are used to obtain principal statistics and commodities shipped from establishments classified to manufacturing industries and differ only in the amount of detail requested. The short form is a single-sheet questionnaire sent to small manufacturers generally reporting shipments of less than \$100,000; this cut-off, however, varies somewhat between industries. The head office questionnaire is generally used for company head offices and/or auxiliary units separately located from the manufacturing establishment(s), (see following notes on Head offices and auxiliary units). The Commodity questionnaire is used to survey certain establishments which are coded (on the basis of their principal activity) to industries other than manufacturing in the Standard Industrial Classification system, but which undertake some manufacturing as a subsidiary activity. This single-sheet questionnaire is designed to collect information on the quantity and value of goods of own manufacture shipped by such establishments in order to achieve full coverage of domestically manufactured commodities (see the following note under Shipments).

The results of the Census are presented in some 140 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures: (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the various 1963 reports reflect the complete implementation of these changes and enable comparisons to be made with the years 1961 and 1962. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

### Establishment

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. The majority of such establishments are firms but many firms have more than one establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements embodied in the following definition of the "establishment":

"The smallest unit which is a separate operating entity capable of reporting the following principal statistics:

- Materials and supplies used
- Goods purchased for resale as such
- Fuel and power consumed
- Number of employees and salaries and wages
- Man-hours worked and paid
- Inventories
- Shipments or sales."

Each establishment is required to report on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on the different activities (manufacturing, trading in goods not of own manufacture, construction by own labour



force, revenue from services, etc.) are requested to be reported separately. It should be noted that the statistics for separate activities are not completely consistent since some respondents cannot distinguish, in their records, materials, shipments and inventories relating solely to their own manufacturing activities. For example, inventory of goods purchased for re-sale may not be distinguishable from inventory of own manufactured goods. Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level and for studies or statistical measures requiring accurate coordinated data, the "total" statistics should be used.

The number of establishments represents the number of operating units that are principally engaged in the activities of the manufacturing industries to which they have been classified. These units do not necessarily represent the total number engaged in the production of a commodity mainly produced in a certain industry. Some commodities are produced as secondary products in other manufacturing and non-manufacturing industries. It should be noted that head offices and auxiliary units which are surveyed separately are not included in the establishment count, (see following notes on head offices and auxiliary units).

#### **Head Offices and Auxiliary Units**

All head offices and auxiliary units of companies classified to the manufacturing industries such as sales offices, administrative offices, warehouses, laboratories, etc. are now surveyed as part of the Census of Manufactures.

These head offices and auxiliary units are either included in an establishment report or are surveyed by means of the head office questionnaire. The former is the most common case where a single establishment firm has its executive personnel, sales office, etc. located at the site of the manufacturing plant (establishment). The special head office questionnaire is generally used where a firm, regardless of the number of establishments, has separately located offices or auxiliary units. Such offices or units do not constitute establishments within the Census of Manufactures as they do not normally generate operational revenues, but give rise only to costs of operations (mainly salaries and wages) which are automatically included in the value of shipments or sales. Although not considered as establishments, and hence, not included in the "establishment" count for an industry, the operational costs are reflected in either the "Industry" statistics (3 or 4 digit level) or the "Major group" statistics (2 digit level) according to the following rules:

(a) In the case of single establishment firms, statistics for separately located offices and units are classified to the same industry (3 or 4 digit) as the establishment;

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the

firm, when all establishments are in the same industry (3 or 4 digit). When establishments of such firms are coded (1) to different industries within a major group, (2) to industries in different major groups or (3) to industries in different divisions of the Standard Industrial Classification, then the statistics are included in the major group totals (2 digit level) in which the major part of the company's operations are classified. Although this may result in some distortion of major group statistics in the case of (2) and (3) the statistics at the industry (3 or 4 digit) level in all cases will be left free of these company-wide data.

#### **Employees**

##### **(a) Production and related workers—Manufacturing activity**

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. Production and related workers engaged in manufacturing activity are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. The man-hours of production and related workers in manufacturing activity represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

##### **(b) Production and related workers—Non-manufacturing activities**

Such employees include those on manufacturing establishments' payrolls engaged in activities such as construction undertaken for the use of these establishments, some outside piece-workers employed in certain industries, logging employees who are reported as part of a sawmilling establishment and any other production workers who are not engaged in manufacturing-type operations.

##### **(c) Administrative and office employees**

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers,



etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the line supervisor or working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical, etc. It should be noted that prior to 1961 this category also included working owners and partners. Also included in this category are employees located at head offices or auxiliary units separately located from the establishment; these are generally included in the figures for the province in which they are located according to the rules outlined under "Head offices and auxiliary units" above.

#### (d) Sales and distribution workers

This category includes office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truckdrivers and their helpers, etc. It may also include some sales employees who are reported as part of a manufacturing establishment but are not working at the establishment's location. These are generally broken down by province in cases where more than 15 employees are involved in any one province. The figures exclude persons working on a commission basis who are not considered regular employees of the establishment.

#### (e) Total Employees

This total comprises the foregoing categories including employees located at separately located head offices and auxiliary units. The numbers of employees included under categories (b), (c) and (d) are reported in the form of annual averages and represent as closely as possible full time employment; adjustments are made when reported figures indicate the existence of part time or seasonal employment. In all the above categories, figures on employment refer to the calendar year whether or not other establishment statistics can only be reported on a fiscal year other than the calendar year.

#### Working Owners or Partners

These are not now included in the statistics of employees and salaries and wages. There is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each Census return. Withdrawals of working owners defined as amounts withdrawn by owners or partners for normal living expenses excluding withdrawals for payment of income tax.

#### Salaries and Wages

Salaries and wages refer to gross earnings of employees **before** deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages, bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any

other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

#### Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives, etc.), not to purchases unless the quantities are substantially the same. **Any fuel and electricity produced by establishments for internal consumption are not included in the total cost.** Values represent laid down cost at the establishment including freight, duty, etc. Although fuel and electricity used is considered part of manufacturing activity it should be noted that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

#### Materials and Supplies

##### (a) Manufacturing activities

Figures represent quantities and laid down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. These statistics represent only commodity items or physical goods (cost of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts charged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.

##### (b) Non-manufacturing activities

###### 1. Purchases for re-sale as such

Figures represent cost of materials or products purchased from others by the reporting establishment (or received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.

###### 2. Other materials and supplies used

Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Amounts paid to outside contractors for construction and repair work are not included nor is the cost of purchased machinery and equipment. Also included is the cost of office supplies not chargeable to

fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

## **Shipments**

### **(a) General**

The figures represent revenue from all production, sales, services and related activities of reporting establishments with shipments valued in Canadian dollars at the point at which the establishment relinquishes control. The unsold portion at year end of consignment shipments in Canada is treated as inventory and not as shipments but all shipments to foreign countries for which the form B13 "Customs Canada Export Entry" has been completed, are treated as shipments.

In those industries where work on principal products extends over a relatively long period, (Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair Industry) the value of production rather than the value of shipments is recorded. There are certain establishments in other industries which also operate on a basis of progress payments. For these establishments, shipments are also adjusted to work put in place on the basis of the net change in progress payments over the year.

### **(b) Shipments of goods of own manufacture**

These figures represent shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost (book value) of any goods shipped on a rental basis.

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm, when such units are treated as separate establishments. The value of shipments are net of returned goods, discounts, returns, allowances, sales tax and excise taxes and duties, returnable containers and charges for outward transportation by common or contract carriers. Transportation or delivery expense incurred by the reporting establishment's own carriers are included.

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity are collected by means of the Commodity questionnaire referred to earlier. Such shipments together

with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

### **(c) Shipments of goods not of own manufacture**

These figures represent the net selling value at establishment (net of discounts, returns, allowances, sales taxes and excise duties and taxes and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship such goods on a rental basis, the value of shipments represents the book value of these goods. All sales of consignment goods from other countries are included.

### **(d) Other revenue**

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs, alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishment's own employees and for which depreciation accounts are maintained. Included also are any revenues from the sale of electricity and from any operations performed by the establishment's own employees, such as revenue from goods produced or purchased for rental (the book value of such goods are included as part of shipments of goods of own manufacture or shipments of goods not of own manufacture), servicing revenues, commissions on sales (when not included in value of sales), revenue for company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishment's own products, sale of used materials (excluding sale of used fixed assets) research and development work, etc. As mentioned previously the figures do not include non-operating revenue such as rent, dividends, interest, etc.

## **Inventories**

### **(a) Manufacturing activities**

Values represent the book values of manufacturing inventory owned in Canada. Inventories held for which progress payments have been received are not included. Where progress payment accounts are maintained, the change in these accounts is treated as a net adjustment to shipments. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Goods shipped abroad and held in inventory are included in shipments. Opening inventories may differ from the closing inventories of the previous year because of changes in classification, the



receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

**(b) Non-manufacturing activities**

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

**Value Added**

**(a) By manufacturing activities**

Figures are compiled by deducting the cost of materials and fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process).

**(b) By non-manufacturing activities**

The figures are compiled by deducting the cost of goods purchased for re-sale (adjusted for changes in the value of inventories of goods

purchased for re-sale) and the cost of other materials and supplies used from the value of shipments of goods not of own manufacture, plus other revenue.

**(c) By Total activities**

The figures consist of value added by manufacturing activities plus value added by non-manufacturing activities. This total value added figure may, in some cases, be less than value added by manufacturing activities as a result of expenditures associated with non-manufacturing exceeding revenues from such activities or because of a decrease in inventory of goods not of own manufacture exceeding the mark-up on the sale of such goods. "Value added" is sometimes referred to as net production. However, to arrive at the National Accounts concept of net production, or Gross Domestic Product at "Factor cost" it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected as part of the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, "Survey of Production".





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