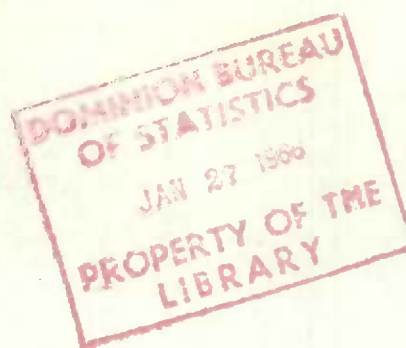


CATALOGUE No.

47-211

ANNUAL

C.3



# JEWELLERY AND SILVERWARE MANUFACTURERS

## 1963

<sup>1963</sup>  
Catalogue No. has been changed with this issue from 41-211 to 47-211 in order to locate it in its proper group in the S.I.C.

### ANNUAL CENSUS OF MANUFACTURES

*Published by Authority of*  
The Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS  
Industry Division

January 1966  
6521-627

Price: 50 cents

## PUBLICATIONS

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A — Annual

M — Monthly

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## JEWELLERY AND SILVERWARE MANUFACTURERS

1963

In terms of the revised Standard Industrial Classification and the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in manufacturing articles of precious metals with or without precious stones, including articles plated with precious metals. This industry includes establishments primarily engaged in rolling precious metals or making precious metal alloys as well as those primarily engaged in lapidary work and cutting and polishing diamonds. Establishments primarily engaged in manufacturing costume jewellery are included".

For the purposes of this survey, the Jewellery and Silverware Manufacturers industry includes all plants in Canada which made the following classes of goods as their main products: (a) rings and other jewellery; (b) sterling silverware and silver-plated ware; and (c) dental supplies, gold leaf, gold and silver melted or rolled or otherwise prepared for the arts and industries; and (d) precious metals recovered from old materials, jewellers' sweepings and scrap. Wholesalers, retailers, or shops engaged only in repair work are not included.

The general activity within this industry during 1963 was somewhat higher than in 1962 as reflected in most of the tables relating to the industry proper. However, Table 8 covers shipments of jewellery and silverware by all industries for the years 1952 to 1963, inclusive. This table suggests that the shipment increase from 1962 to 1963 was mainly comprised of jewellery items.

A list of the establishments classified to this industry in the 1963 survey will be found at the end of this report.

### 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.
- p preliminary figures.
- \* 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	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals .....	225	3,331	6,744	10,687	379	29,647	55,677	26,000	126	531	4,911	17,516	28,639
1962													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	2	1,111	2,296	3,162	77	7,172	14,763	7,904	48	191	1,471	4,749	8,358
Quebec .....	88												
Ontario .....	115	2,206	4,576	7,895	322	27,457	46,784	19,299	67	274	3,198	12,673	20,662
Manitoba .....	5	22	42	77	3	179	357	175	x	x	30	98	175
Saskatchewan .....	2	16	34	52	1	41	157	115	x	x	18	60	124
Alberta .....	3												
British Columbia .....	17	94	189	381	6	374	1,199	829	18	63	135	527	853
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	232	3,449	7,138	11,567	409	35,223	63,259	28,322	139	558	4,852	18,106	30,173
1963													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	2	x	x	x	x	x	x	x	x	x	x	x	x
Quebec .....	92	1,125	2,360	3,415	80	7,483	15,267	7,794	49	206	1,539	5,122	8,249
Ontario .....	120	2,230	4,602	8,147	311	31,325	52,034	20,759	64	249	3,182	13,104	22,342
Manitoba .....	6	23	43	89	4	137	307	187	3	11	34	120	175
Saskatchewan .....	2	x	x	x	x	x	x	x	x	x	x	x	x
Alberta .....	2	x	x	x	x	x	x	x	x	x	x	x	x
British Columbia .....	18	99	201	386	6	428	1,202	786	12	57	142	552	822
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	242	3,493	7,238	12,097	401	39,443	68,983	29,617	132	538	4,916	18,975	31,714



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 .....	25	7	15	22	2	44	160	119	26	67	8	28	122
\$ 10,000 to \$ 24,999 .....	41	41	82	117	10	231	657	420	45	141	52	148	423
25,000 " 49,999 .....	29	71	148	208	8	392	1,092	714	32	128	96	293	763
50,000 " 99,999 .....	34	163	339	481	14	1,153	2,530	1,444	27	140	210	641	1,448
100,000 " 199,999 .....	39	404	850	1,312	37	2,442	5,521	2,980	5	34	568	1,960	3,028
200,000 " 499,999 .....	42	1,186	2,449	3,476	93	5,980	13,577	7,791	3	34	1,696	5,455	8,117
500,000 " 999,999 .....	14	482	980	1,403	47	4,725	8,757	4,045	1	16	660	2,453	4,510
1,000,000 " 4,999,999 .....	5	627	1,327	2,618	111	5,423	11,114	5,777	—	—	874	3,929	6,575
5,000,000 and over .....	3	468	948	1,930	88	14,833	19,853	5,032	—	—	647	2,930	5,160
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	41	269	27
Totals .....	232	3,449	7,138	11,567	409	35,223	63,259	28,322	139	558	4,852	18,106	30,173
1963													
Under \$10,000 .....	27	7	13	16	1	70	175	106	27	65	9	23	105
\$ 10,000 to \$ 24,999 .....	42	51	106	134	3	288	726	455	36	116	65	179	474
25,000 " 49,999 .....	35	77	154	242	8	614	1,233	646	35	141	102	330	711
50,000 " 99,999 .....	38	205	412	644	19	1,462	2,872	1,490	29	153	258	835	1,504
100,000 " 199,999 .....	32	363	767	1,191	44	2,316	4,431	3,370	3	23	510	1,877	3,439
200,000 " 499,999 .....	45	1,203	2,464	3,654	104	5,717	14,319	8,758	1	9	1,745	5,632	8,988
500,000 " 999,999 .....	15	571	1,211	1,859	38	5,191	9,947	4,801	1	30	749	3,152	5,619
1,000,000 " 4,999,999 .....	5	551	1,177	2,411	92	5,220	11,154	4,548	—	—	783	3,652	5,279
5,000,000 and over .....	3	465	933	1,947	91	18,565	24,124	5,443	—	—	661	3,037	5,599
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	34	258	(3)
Totals .....	242	3,493	7,238	12,097	401	39,443	68,983	29,617	132	538	4,916	18,975	31,714

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	50	26	56	75	7	212	526	316	51	141	33	100	339
\$ 10,000 to \$ 24,999	36	47	94	138	9	482	1,086	612	50	178	64	178	618
25,000 " 49,999	39	171	361	537	15	1,342	2,857	1,454	21	115	234	771	1,487
50,000 " 99,999	39	365	765	1,216	29	3,009	5,670	2,706	13	75	510	1,746	2,721
100,000 " 199,999	34	573	1,163	1,814	56	5,005	9,596	4,751	3	34	917	2,985	5,181
200,000 " 499,999	26	1,172	2,425	3,239	96	4,917	12,557	7,675	1	16	1,532	5,198	8,067
500,000 " 999,999	3	169	355	604	34	5,707	7,591	1,872	—	—	343	1,604	2,701
1,000,000 " 4,999,999	5	926	1,920	3,944	164	14,549	23,378	8,937	—	—	1,178	5,254	9,034
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	41	269	27
Totals	232	3,449	7,138	11,567	409	35,223	63,259	28,322	139	558	4,852	18,106	30,173
1963													
Under \$10,000	46	30	61	76	2	274	510	240	46	119	38	102	249
\$ 10,000 to \$ 24,999	59	92	187	276	11	933	1,800	898	51	207	135	398	971
25,000 " 49,999	32	159	318	495	14	1,212	2,348	1,201	28	139	195	633	1,215
50,000 " 99,999	35	358	737	1,131	27	2,927	5,299	2,462	5	33	491	1,732	2,515
100,000 " 199,999	33	626	1,274	2,169	80	5,063	11,133	4,702	1	9	1,020	3,512	5,400
200,000 " 499,999	27	1,122	2,371	3,401	88	4,830	12,753	8,017	1	30	1,432	5,160	8,379
500,000 " 999,999	5	294	599	980	41	6,604	9,566	3,051	—	—	509	2,344	3,755
1,000,000 " 4,999,999	5	812	1,689	3,568	137	17,600	25,572	9,046	—	—	1,062	4,835	9,436
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	34	258	(3)
Totals	242	3,493	7,238	12,097	401	39,443	68,983	29,617	132	538	4,916	18,975	31,714

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	
1962													
Under \$10,000	47	22	47	63	6	181	467	287	49	133	27	79	290
\$ 10,000 to \$ 24,999	36	47	93	136	9	473	1,051	587	49	173	62	172	589
25,000 " 49,999	41	169	359	529	15	1,328	2,846	1,462	24	128	229	751	1,513
50,000 " 99,999	41	379	797	1,268	29	3,138	5,942	2,853	13	75	535	1,849	2,870
100,000 " 199,999	31	536	1,085	1,707	52	4,497	8,694	4,305	3	34	842	2,751	4,408
200,000 " 499,999	26	1,109	2,249	3,081	91	5,058	12,224	7,196	1	16	1,470	4,889	7,566
500,000 " 999,999	4	165	386	565	20	5,462	7,278	1,872	—	—	247	1,177	2,259
1,000,000 " 4,999,999	6	1,022	2,121	4,219	187	15,087	24,758	9,760	—	—	1,399	6,169	10,652
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	41	269	27
Totals	232	3,449	7,138	11,567	409	35,223	63,259	28,322	139	558	4,852	18,106	30,173
1963													
Under \$10,000	45	26	53	64	2	251	485	232	47	121	31	78	230
\$ 10,000 to \$ 24,999	56	84	169	243	10	904	1,717	842	50	205	123	343	884
25,000 " 49,999	36	171	345	539	15	1,264	2,457	1,266	28	139	214	711	1,341
50,000 " 99,999	34	343	700	1,085	24	2,889	5,169	2,378	5	33	470	1,656	2,415
100,000 " 199,999	32	620	1,270	2,140	80	4,533	10,383	4,542	1	9	1,001	3,395	4,628
200,000 " 499,999	27	1,081	2,264	3,257	90	4,757	12,445	7,804	1	30	1,387	4,916	8,000
500,000 " 999,999	6	261	551	932	21	6,769	9,580	2,833	—	—	384	1,896	3,657
1,000,000 " 4,999,999	6	907	1,886	3,836	159	18,074	26,747	9,721	—	—	1,272	5,719	10,582
5,000,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	34	258	(3)
Totals	242	3,493	7,238	12,097	401	39,443	68,983	29,617	132	538	4,916	18,975	31,714

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	
1962													
Under 5 employed .....	97	94	196	281	20	1,181	2,565	1,431	103	355	128	389	1,486
5- 14 employed .....	56	351	746	1,180	24	3,421	6,367	2,920	30	138	483	1,784	3,220
15- 49 " " .....	47	757	1,545	2,563	76	5,905	11,821	6,074	5	49	1,108	3,911	6,182
50- 99 " " .....	24	1,090	2,266	3,063	99	9,151	16,637	7,508	1	16	1,461	5,061	7,982
100-199 " " .....	5	560	1,170	2,239	116	7,728	12,965	5,347	—	—	759	3,023	5,352
200-499 " " .....	3	597	1,214	2,240	75	7,838	12,905	5,042	—	—	872	3,669	5,923
500 employed and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	41	269	27
Totals .....	232	3,449	7,138	11,567	409	35,223	63,259	28,322	139	558	4,852	18,106	30,173
1963													
Under 5 employed .....	101	99	199	291	12	1,265	2,406	1,196	96	353	133	409	1,249
5- 14 employed .....	57	336	681	1,105	26	3,434	5,965	2,574	31	123	457	1,660	3,204
15- 49 " " .....	54	957	1,986	3,307	98	6,618	14,070	8,889	4	32	1,337	5,082	9,029
50- 99 " " .....	23	1,083	2,289	3,417	113	9,947	18,680	7,432	1	30	1,495	5,462	7,857
100-199 " " .....	7	1,018	2,082	3,976	152	18,179	27,862	9,527	—	—	1,460	6,103	10,379
200-499 " " .....	—												
500 employed and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	34	258	(3)
Totals .....	242	3,493	7,238	12,097	401	39,443	68,983	29,617	132	538	4,916	18,975	31,714

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	
<b>1962</b>													
Individual ownerships .....	75	192	402	582	14	1,320	3,017	1,677	74	317	238	727	1,699
Partnerships .....	26	41	84	103	9	548	1,259	724	65	241	79	166	726
Incorporated companies .....	131	3,216	6,852	10,882	387	33,355	58,984	25,921	...	...	4,494	16,921	27,722
Cooperatives .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	41	269	27
<b>Totals</b> .....	<b>232</b>	<b>3,449</b>	<b>7,138</b>	<b>11,567</b>	<b>409</b>	<b>35,223</b>	<b>63,259</b>	<b>28,322</b>	<b>139</b>	<b>558</b>	<b>4,852</b>	<b>18,106</b>	<b>30,173</b>
<b>1963</b>													
Individual ownerships .....	75	170	344	540	10	1,500	2,959	1,513	72	332	220	686	1,521
Partnerships .....	28	47	91	126	6	604	1,258	691	60	206	82	203	690
Incorporated companies .....	139	3,276	6,803	11,431	384	37,339	64,766	27,413	...	...	4,580	17,827	29,506
Cooperatives .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	34	256	(3)
<b>Totals</b> .....	<b>242</b>	<b>3,493</b>	<b>7,238</b>	<b>12,097</b>	<b>401</b>	<b>39,443</b>	<b>68,983</b>	<b>29,617</b>	<b>132</b>	<b>538</b>	<b>4,916</b>	<b>18,975</b>	<b>31,714</b>

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1962	1963	1962	1963	1962	1963
<b>\$'000</b>						
<b>Output</b>						
1. Shipments and other revenue .....	63,259	68,953	7,940	6,432	71,199	75,415
Inventories - Goods of own manufacture:						
Add closing - Goods in process .....	3,131	2,633	...	...	3,131	2,633
Finished goods .....	7,075	7,888	...	...	7,075	7,888
Less opening - Goods in process .....	2,975	2,549	...	...	2,975	2,549
Finished goods .....	6,536	7,494	...	...	6,536	7,494
2. Net inventory change .....	695	478	...	...	695	476
3. Gross output (1 + 2) .....	63,954	69,461	7,940	6,432	71,894	75,893
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	6,023	4,008	6,023	4,008
Inventories - Goods not of own manufacture:						
Add opening .....	...	...	905	1,063	905	1,063
Less closing .....	...	...	1,094	988	1,094	988
5. Cost of goods sold (not of own manufacture) .....	...	...	5,834	4,083	5,834	4,083
6. Materials, supplies, components and semi-processed goods	35,223	39,443	255	253	35,478	39,696
7. Fuel and electricity .....	409	401	...	...	409	401
8. Gross input (5 + 6 + 7) .....	35,632	39,844	6,089	4,336	41,721	44,180
<b>Census value added (3 - 8)</b> .....	<b>28,322</b>	<b>29,617</b>	<b>1,851</b>	<b>2,096</b>	<b>30,173</b>	<b>31,714</b>



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- istrative and office	Sales and distri- bution	Total salaries and wages
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			Manufac- turing	Other	
	number										\$'000				
1962															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	694	417	10	53	130	103	58	6	892	579	3,162	41	1,208	338	4,749
Quebec .....															
Ontario .....	1,357	849	13	131	334	294	159	61	1,863	1,335	7,895	110	3,349	1,319	12,673
Manitoba .....	17	5	-	-	5	3	-	-	22	8	77	-	21	-	98
Saskatchewan .....	15	1	-	-	1	1	-	-	16	2	52	-	8	-	60
Alberta .....															
British Columbia .....	78	16	-	2	16	19	4	-	98	37	381	4	134	7	527
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	2,161	1,288	23	186	486	420	221	67	2,891	1,961	11,567	155	4,720	1,664	18,106
1963															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Quebec .....	711	414	17	93	131	111	57	5	916	623	3,415	62	1,280	365	5,122
Ontario .....	1,391	839	4	110	331	285	150	72	1,876	1,308	8,147	72	3,437	1,449	13,104
Manitoba .....	18	5	1	1	6	3	-	-	25	9	89	2	29	-	120
Saskatchewan .....	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Alberta .....	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
British Columbia .....	82	17	-	2	17	20	4	-	103	39	388	3	155	9	552
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	2,217	1,276	22	206	487	420	211	77	2,937	1,979	12,097	138	4,918	1,822	18,975

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

Month	Establishments reporting monthly detail			
	1962		1963	
	Male	Female	Male	Female
	number			
January .....	1,856	1,157	1,944	1,227
February .....	1,853	1,201	1,958	1,236
March .....	1,873	1,149	1,912	1,225
April .....	1,868	1,081	1,915	1,173
May .....	1,861	1,095	1,936	1,152
June .....	1,896	1,117	1,955	1,137
July .....	1,911	1,247	1,897	1,137
August .....	1,916	1,341	1,932	1,225
September .....	1,943	1,328	1,285	1,328
October .....	1,967	1,345	2,023	1,377
November .....	1,959	1,321	2,004	1,297
December .....	1,923	1,209	1,968	1,208
Average for establishments reporting monthly detail (collected only for large establishments) ..	1,911	1,227	1,993	1,218
Average for small establishments (only annual averages collected) .....	250	61	224	58
Average for all establishments .....	2,161	1,288	2,217	1,276

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 .....	—	—	—	—	—	—
New Brunswick .....	x	—	x	x	—	x
Quebec .....	2,356	181	2,943	5,479	198	5,677
Ontario .....	7,065	2,302	4,254	13,622	854	14,476
Manitoba .....	51	5	11	68	—	68
Saskatchewan .....	x	—	x	x	—	x
Alberta .....	x	—	x	x	—	x
British Columbia .....	60	61	264	385	11	396
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	9,533	2,549	7,494	19,577	1,063	20,640
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—
New Brunswick .....	x	—	x	x	—	x
Quebec .....	2,256	182	3,033	5,470	217	5,687
Ontario .....	6,243	2,384	4,533	13,160	788	13,926
Manitoba .....	50	6	11	68	—	68
Saskatchewan .....	x	—	x	x	—	x
Alberta .....	x	—	x	x	—	x
British Columbia .....	73	61	282	416	6	431
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	8,623	2,633	7,888	19,144	988	20,132

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

Description	1962		1963	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments which reported commodity detail:				
Bituminous coal:				
(a) From Canadian mines .....	ton	1,816	24	1,644
(b) Imported .....	"	1,852	25	1,284
Sub-bituminous coal (from Alberta mines only) .....	"	—	—	—
Anthracite coal .....	"	139	3	8
Lignite coal .....	"	—	—	140
Coke .....	"	31	1	—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	53,487	22	56,804
Fuel oil including kerosene or coal oil .....	"	475,707	61	434,184
Wood .....	cord	—	—	3
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	28,045	7	27,380
(b) Other manufactured gas .....	M cu.ft.	—	—	—
(c) Natural gas .....	"	47,771	44	56,718
Other fuel .....	...	—	—	—
Electricity purchased .....	kwh.	13,295,632	166	13,830,829
Steam purchased .....	...	—	—	—
2. Estimate for small establishments:				
Fuel and electricity .....	...	36	...	29
3. All establishments:				
Total fuel and electricity used .....	...	409	...	401

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

Description	Cost	
	1962	1963
	\$'000	
<b>1. Materials used:</b>		
<b>Precious metals:</b>		
Gold:		
Fine:		
New .....	6,023	6,061
From old material .....	153	136
Gold alloys (18k, 12k, etc.) .....	1,610	1,928
Iridium .....	36	35
Palladium .....	703	965
Platinum .....	715	2,564
Rhodium .....	191	173
Silver:		
Fine:		
Anodes .....	1,364	1,563
Other .....	2,815	3,125
Sterling .....	2,780	2,758
Other silver alloys .....	88	94
Old gold, waste and scrap for melting and refining .....	1,771	1,807
Gold-filled wire and other gold-filled stock .....	270	172
<b>Base metals and alloys:</b>		
Aluminum .....	1	9
Antimony metal .....	1	1
Brass, including blanks for plating .....	226	251
Britannia metal, including blanks for plating .....	43	64
Cadmium metal .....	7	12
Copper, including blanks for plating .....	282	207
Lead .....	23	32
Nickel .....	11	14
Nickel-silver, including blanks for plating .....	704	758
Tin .....	154	152
Other non-ferrous metals .....	83	128
<b>Other materials:</b>		
Cutlery steel .....	101	120
Diamonds (for rings, etc.) .....	2,790	2,977
Other precious and semi-precious stones .....	684	839
Glass linings and blanks .....	188	122
Rouge and other polishes .....	71	88
Stainless steel .....	723	718
Synthetic resins and plastics .....	30	19
Pearl essence .....	12	2
Beads for artificial or simulated pearls .....	680	541
Jeweller's findings .....	2,032	1,901
All other materials and components used <sup>1</sup> .....	6,375	7,515
<b>2. Containers and other packaging materials and supplies used .....</b>	<b>491</b>	<b>608</b>
<b>3. Operating, maintenance and repair supplies used (excluding fuel) .....</b>	<b>649</b>	<b>585</b>
<b>4. Amount paid out to others for work done on materials owned by establishments .....</b>	<b>383</b>	<b>398</b>
<b>Totals .....</b>	<b>35,223</b>	<b>39,443</b>

<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 \$1,562,062 in 1962 and \$2,160,097 in 1963.



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

Description	Value	
	1962	1963
1. Products:		
Precious metals (gold, silver, etc.) in the following forms, recovered (for sale) from old material, sweepings, waste, etc., also precious metals purchased as such and only melted and rolled and otherwise prepared without alloying, for resale to the arts and industries and other precious metal alloys not specified elsewhere:		
Gold	1,162	1,198
Silver		
Sterling silver and other silver alloys		4,288
Other precious metals including alloys	7,924	6,250
Gold leaf, gold filled wire and other gold filled stock		
Watch bracelets	—	1,497
Jewellery	28,115	29,192
Church goods (chalices etc.)	361	224
Emblems badges and medals	1,301	1,383
Hollow-ware, silver-plated on Britannia metal		
Hollow-ware, silver-plated on nickel-silver	222	492
Hollow-ware, silver-plated on brass and copper	1,330	869
Hollow-ware, silver-plated on lead alloy		
Hollow-ware, flatware and cutlery, sterling silver	2,196	2,406
Flatware and cutlery, silver-plated		
Flatware, and cutlery, other, including stainless steel, other plated and other metal flatware, not plated		
Jeweller's findings	504	516
Trophies	1,365	1,459
All other products	17,504	17,890
2. Amount received in payment for work done on materials and products owned by others	1,277	1,321
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above	(2)	(1)
Total adjusted value of shipments and work done	63,259	68,983

<sup>1</sup> Included in "Other precious metals including alloys".

<sup>2</sup> Included in "All other products".

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. Shipments of Jewellery<sup>1</sup>

Year	Value	Year	Value
	\$'000		\$'000
1952	18,522	1958	23,139
1953	20,580	1959	24,527 <sup>r</sup>
1954	18,624	1960	27,453 <sup>r</sup>
1955	19,466	1961	27,520
1956	20,780	1962	29,142 <sup>r</sup>
1957	21,205	1963	29,898

B. Shipments of Silverware

Year	Hollow-ware, electroplated			Flatware, and cutlery, electro- plated	Sterling silver hollow-ware, flatware and cutlery	Sterling silver toilet-ware and dresserware
	On Britannia metal	On nickel- silver	On other metal			
	dollars					
1952	128,809	75,974	1,863,895	5,647,955	2,388,972	310,271
1953	137,156	57,412	1,827,887	6,668,069	2,747,692	353,422
1954	74,665	8,609	1,515,514	6,159,148	2,511,545	279,443
1955	82,045	14,253	1,634,999	6,155,926	2,454,031	218,609
1956	63,121	69,704	1,238,322	5,878,192	2,083,917	x
1957	78,616	85,156	1,218,897	6,736,236	2,164,659	x
1958	46,872	96,672	1,272,499	4,762,431	1,976,523	x
1959	44,231	265,220	1,021,664	3,515,776	2,432,105	x
1960	28,383	289,017	1,022,102	3,677,970	2,338,839 <sup>F</sup>	x
1961	x	174,472	1,423,795	3,701,488	2,241,950	x
1962 <sup>P</sup>	x	222,277	1,380,149	3,638,048	2,195,607	x
1963	x	491,772	914,442	3,226,684	2,405,550	x

<sup>1</sup> Precious, semi-precious and other.



**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>(a) Refined Precious Metals Chiefly - Secondary Refiners</b>	
<b>Quebec:</b>	
Canadian Refining Co. Ltd. ....	1426 Clark St., Montreal
<b>Ontario:</b>	
Engelhard Industries of Canada Limited .....	512 King St. E., Toronto 2
Handy & Harman of Canada Ltd. ....	141 John St., Toronto 2B
Imperial Smelting & Refining Co. Ltd. ....	34 Beverley St., Toronto 2B
Johnson, Matthey & Mallory, Limited .....	110 Industry St., Toronto 15
Williams Gold Refining Co. of Canada Ltd. ....	30 Courtwright St., Fort Erie
<b>(b) Silver-plated Ware Chiefly</b>	
<b>Quebec:</b>	
Birks, Henry & Sons (Montreal) Ltd. ....	1240 Phillips Square, Montreal
Wallace Silversmiths (Canada) Ltd. ....	Cookshire
<b>Ontario:</b>	
Benedict-Proctor Mfg. Co. Ltd. ....	74 Ontario St., Trenton
Canadian Silversmiths Ltd. ....	82-84 Chestnut St., Toronto 2
International Silver Co. of Canada Ltd. ....	303 River Road, Niagara Falls
International Silver Co. of Canada Ltd. ....	1847 Rogers Rd., Perth
Morton-Parker Limited .....	Dufferin Ave., Trenton
Oneida Ltd. ....	1705 Falls Ave., Niagara Falls
<b>(c) Jewellery Chiefly</b>	
<b>New Brunswick:</b>	
Fundry Gem Studio .....	14 Wolfe Ave., Moncton
Wttewaall, Barth & Lucie .....	48 Arnold Ave., Sussex
<b>Quebec:</b>	
Abolene Company Ltd., The .....	286 St. Paul St., West, Montreal
Achim, J. Henri, Inc. ....	205, rue St-Paul-O., Montreal 1
A.L.S. Inc. ....	1255 University St., Montreal
American Novelities & Castings Ltd. ....	987 Côté St., Montreal
Amstel Bros. ....	4372 St. Laurent Blvd., Montreal 18
Ano, Limitée .....	2937, avenue Lacombe, Montréal
Astor Jewels, Inc. ....	366 Mayor St., Montreal
Bailour, L.G. Co. of Canada Ltd. ....	1030 Panneton St., Sherbrooke
Baudoin Spinning Ent. ....	3870 Jarry E., Ville St-Michel
Beaugrand, Gilles Inc. ....	846, ave. de l'Épée, Outremont
Bel Art Inc. ....	9105 Notre-Dame St. E., Montreal 5
Bijouterie Centrale, Inc. ....	3250 rue St-Zotique, Montréal
Bijouterie Fran-Sol .....	7471-24e ave., Ville St-Michel
Bijouterie Style, Limitée .....	620 est, rue Jarry, Montréal
Bourassa, J.A. ....	1290 St-Denis St., Montreal 18
Breadner Company Limited .....	55 Breadner St., Hull
Brochard, A. ....	365, rue St-Thomas, St-Lambert
Bureau, Roger, Ltée .....	8685, rue Casgrain, Montréal
Canadian Gold Craft Co. ....	1255 University St., Montreal
Carrier, P.E. Co., Ltée .....	2012 est, rue Mont-Royal, Montréal 34
Colombia Jewellery Co. ....	400 ouest, rue Ontario, Montréal
Continental Jewellery Co. ....	55 Mount Royal Ave. W., Montreal
Costanzo, Hector .....	1030 St. Alexander St., Montreal
Créations Dany .....	6749, rue Marquette, Montréal
Dallaflora, Moses .....	1336, ave. Greene, Westmount 6
Delrue, Georges .....	2100, rue Crescent, Montréal
Dexter Mfg. Co. of Canada .....	160 Richelieu Rd., St-Jean
Diamond Industries of Montreal Ltd. ....	1449 St. Alexandra St., Montreal
Dominion Tool & Metal Products Ltd. ....	929 Perreault Lane, Montreal 18
Doucet, Victor .....	10597, ave. Pelletier, Montréal-N.
Enco Manufacturing Co. Ltd., The .....	48 St. Peter St., Montreal
Evenchick, M. Ltd. ....	180 Montcalm St., Hull
Findelstein A., Jewellery Ltd. ....	1410 Stanley St., Montreal 2
Gabriel, Raymond .....	1535 ouest, rue Sherbrooke, Montréal
Gehrg & Schlupe Reg'd .....	1184 McKay St., Montreal 25
Gendon Mfg. Jewellers Inc. ....	1101 St. Alexander St., Montreal
Gold Arts Jewellery Co. Reg'd .....	1504 Sherbrooke St. W., Montreal
Gold and Platinum Craft .....	1255 University St., Montreal 2
Green Bros. Inc. ....	1010 Ste. Catherine St. W., Montreal
Grenier Marcel Enr. ....	1010 Ste. Catherine St. E., Montreal
Guyot, Arthur & Fils, Ltée .....	1031 est, rue Rachel, Montréal
Hernandez Inc. ....	619, rue Latourrelle, Québec
Hiltebrandt .....	1255 University St., Montreal
Imperial Jewellery Manufacturing Company .....	913 Jeanne Mance St., Montreal
International Diamond Ring Ltd. ....	6505-31ème ave., Rosemont, Montréal
Jewel Craft Inc. ....	Room 1-1871 St. Louis St., Ville St. Laurent
Koyes Jewellers Mfg. Ltd. ....	2550 Bates Rd., Montreal
Lamond, C. & Fils, Limitée .....	1065 Bleury St., Montreal
Lamontagne & Fortin, Enr. ....	64-21ème rue-est, Orsainville
Languis, Paul A. ....	466, rue de la Couronne, Québec
Laurin, Yvon .....	2122 est, rue Bélanger, Montréal
La Salle Bijouterie, Inc. ....	8482, rue St-Hubert, Montréal
Laurentian Jewellers .....	1449 St. Alexander St., Montreal
Lemaître, Paul, Limitée .....	451, rue St-Sulpice, Montréal 1
Lindover, H. Mfg. Jeweller .....	1121 Ste. Catherine St. W., Montreal
Lucas, Gabriel, Limitée .....	1476 ouest, rue Sherbrooke, Montréal
Marion, Aly, Enr. ....	360 Craig St. W., Montreal

List of Establishments classified to This Industry, 1963 - Continued

Name	Location
(c) Jewellery Chiefly - Continued	
Quebec - Concluded:	
Metalliflex Ltd.	9015, rue Meilleur, Montréal
Nemo-Brier Limited	105 Montcalm St., Hull
New York Rhinestone Novelties Co.	1485 Bleury St., Montreal
Paquet, Gédéon, Enr.	750, rue St-Joseph-est, Québec 1
Paris, Joaillerie Enr.	1317, rue Maguire, Sillery
Pelletier, E., & Fils, Enr.	10, Place Crémazie, Montréal
Perrier, Claude	224, rue Chanoine-Pépin, Beloeil
Perrier, Gaston	782, ave. du Parc, St-Vincent-de-Paul
Picard, J.E., Inc.	335, blvd. Charest-est, Québec 2
Primavesi & Kaufmann	1454 Mountain St., Montreal 25
Regency Jewellery Mfg. Co.	179 Craig St. W., Montreal
Roger-Claude Joailliers, Ltée	1412, rue Drummond, Montréal
Ross Bros. Inc.	1235 Guy St., Montreal 25
Rowi Ltd.	1276 St. Urban St., Montreal 18
Scepter Jewellery Company	408 St. James St. W., Montreal
Schwartz, Georges	2153 Crescent St., Montreal
Shechtman, G.A., & Sons Ltd.	416 Ontario St. W., Montreal
Sherman, G. & Co.	880 Champagney Ave., Montreal 8
Sidney Skelton Ltd.	1231 Ste. Catherine St., West, Montreal
Skolar, J. Jewellery Mfg. Co.	1408 Bleury St., Montreal 2
Smith Manufacturing Co.	404 Notre-Dame St. W., Montreal
Spark Jewellers Mfg.	366 Mayor Ave., Montreal
Stephenson, Robbins Co. Ltd.	740 St. Maurice St., Montreal
Surek Jewellery Mfg.	4671 St. Lawrence Blvd., Montreal
Swisor Inc.	2556, chemin St-Louis, Québec 10
Triad Creations, Limited	485 Toupin St., Drummondville
Trico Ring Mfg. Inc.	1030 St. Alexander, Montreal
Tulip Creations Mfg. Co. Ltd.	3400 Metropolitan Blvd. E., Ville St-Michel
Unique Jewellery Mfg. Co.	486 Ste. Catherine St. W., Montreal 2
Variety Ring Co.	5327 Notre-Dame St. W., Montreal 30
Venus Jewellery Mfg. Co.	77 Vitre St. W., Montreal
Zircon & Rubby Reg'd	408 St. James St. W., Montreal 1
Ontario:	
A. & A. Jewellers Ltd.	21 Dundas Square, Toronto 1
Accurate Jewellery	9 Richmond St. E., Toronto 1
Adams Jewellery Mfg. Co.	5 Commercial St., Toronto
Amell, Robert & Co. Limited	145 Adelaide St. W., Toronto 1
Ampeco Limited	2139 Lawrence Ave. E., Scarborough
Arman Trophy Manufacturing Co. Ltd.	41 Peter St., Toronto 2B
Artistic Jewellery Co. Ltd.	469 King St. W., Toronto 2B
Attractive Jewellery Co.	39 Wellington St. E., Toronto 1
Austin, Carl & Co. Ltd.	Box 190, Bobcaygeon
Avon Jewellery Limited	295 Dundas St. E., Belleville
Baker, T.H., Limited	1023 Princess Ave., London
Bari Bros., Jewellers	236 Adelaide St. W., Toronto 1
Basset-Jewellery Mfg. Co.	10 Duke St., Toronto 2
Bijou Jewellery Mfg.	9 Richmond St. E., Toronto
Bond-Boyd & Company Limited	52 Scarsdale Rd., Don Mills
Boyd, Douglas	66 Centre St. W., Richmond Hill
Bruce, F.J. Ltd.	9 Richard St. E., Toronto 1
Burkhardt Jewellers Limited	3 Mutual St., Toronto
Cadman Mfg. Co. Ltd.	No. 3 Highway, Courtland
Canada Diamond Mount Co.	14 Temperance St., Toronto 1
Canada Fine Chains Ltd.	240 Adelaide St. W., Toronto
Canadian Pearl Co.	18 Haymarket St., Hamilton
Canadian Trophies Ltd.	21 Ossington Ave., Toronto 3B
Century Novelty Co. Ltd.	144 Front St. W., Toronto 1
Charles Jewellery Co. (Div. Castwell Co. Ltd.)	164-170 Spadina Ave., Toronto 2B
Clark, A.E. Co.	1294 Windemere Rd., Windsor
Colonial Jewellery Limited	215 Spadina Ave., Toronto 2B
Coro (Canada) Limited	186 Bartley Dr., Toronto 16
Corona Jewellery Co. Ltd.	21 Dundas Sq. Rm. 508, Toronto 1
Craft Jewellery Products Ltd.	1309 Dundas St. W., Toronto 3
Crawford Castings	2 Temperance St., Toronto 1
D'Orland Jewellers, Ltd.	205 Richmond St. W., Toronto 1
Dafri Jewellery Limited	107 Richmond St. E., Toronto 1
Deutsh, S.	426 College St., Toronto
Ekblad, Ronald, Mfg. Co.	22 Cranfield Rd., Toronto 16
Electric Chain Co. of Canada Ltd., The	86 Bathurst St., Toronto 2B
Elliott-Bishop Co. Ltd.	71 Lombard St., Toronto 1
Empire Silversmiths Ltd.	16 Ripley Ave., Toronto 3
Eros Jewellery Mfg. Co.	291 King St. W., Toronto 2B
Excellent Jewellery Co. Ltd.	600 Bay St., Toronto
Excelsior Jewellery Manufacturing Company Ltd.	129 Adelaide St. W., Toronto 1
Fashion Jewellery Company Ltd.	111 Queen St. E., Toronto
Fine Bracelet Co.	200 Bedford Rd., Toronto 5
Forstner (Canada) Ltd.	62 Rialside Rd., Don Mills
Forth, H., & Co. Limited	284 A Yonge St., Toronto 1
Fremes, S., & Co. Limited	317 Adelaide St. W., Toronto
French Jewellery Co. of Canada Ltd.	347 Sorauren Ave., Toronto 3
Fussell, Andrew	10 Asquith Ave., Toronto 5
Gatter, N.	21 Dundas Sq., Toronto 2
Gemstone Jewellery	285 Rushton Rd., Toronto 10
Gemstones Jewellery	645-C Somerset St. W., Ottawa 4
Goldcast Jewellery	77 Victoria St., Toronto
Gorel Chain Co. Limited	68 Broadview Ave., Toronto
Gross, S. & Son Diamonds Ltd.	111 Richmond St. W., Toronto
Har-Lo Band Repair Ltd.	260 Richmond St. W., Toronto 1
Holm, E.	459 Martha St., Burlington
Roughton's Silverware & Plating, Ltd.	557 Mount Pleasant Ave., Toronto



List of Establishments classified to This Industry, 1963 - Concluded

Name	Location
(c) Jewellery Chiefly - Concluded	
<b>Ontario - Concluded:</b>	
Ideal Jewelfcraft .....	108 Wellington St. West, Toronto 1
Jasse, B. & Co. ....	201-111 Queen St. E., Toronto
Jewel Studio .....	685 Yonge St., Toronto
Jewellers Workshop .....	308 Adelaide St. W., Toronto 2B
John Gustav, H. ....	92 Beverley St., Toronto
Kalupe Jewellery .....	19 Pretoria St., Toronto 6
Karel Craft Jewellery Mfg. Co. ....	4338 Kingston Rd., West Hill
Kay & Thornley Co. ....	2 Temperance St., Toronto 1
Kilpatrick, C., Mfg. Co. Limited .....	360 Park St. W., Windsor
Kochuta Jewellers, Peter .....	9 Richmond St. E., Toronto
Lackle Manufacturing Company Ltd. ....	102-108 Lombard St., Toronto 1
Laugher & Patton Limited .....	114 Jarvis St., Toronto 1
Leek, Jensen & Feller Ltd. ....	79 Queen St. E., Toronto 1
Lees, Hamilton Ltd. ....	78 Catherine St. N., Hamilton
Lepp, Jewellery Ltd. ....	104 Lombard St., Toronto 1
Libman & Company Ltd. ....	21 Dundas St., Toronto 1
Lister, Harry .....	2 Temperance St., Toronto 1
Marlboro Jewellery Ltd. ....	10 Temperance St., Toronto
Marvel Jewellery Ltd. ....	6 Trippet-Rd., Downsview
Maytime Jewellers Ltd. ....	359 Yonge St., Toronto 1
McVeen, Gordon .....	685 Yonge St., Toronto
Melray Mfg. Jewellers Ltd. ....	37 Mary St., Hamilton
Mitschele Jewellery Ltd. ....	47 Wellington St. E., Toronto 1
Model Jewellery Mfg. Co. Ltd. ....	54 Wellington St. W., Toronto 1
Nantals & Hill Ltd. ....	152 Pitt St. W., Windsor
Nielsen & Son .....	11 A Jarvis St., Toronto 1
North-American Silversmiths Ltd. ....	250 Emerson Ave., Toronto 4
Nu-Line Jewellery Mfg. ....	18 Elm St., Toronto
Orion Jewellery Mfg. Co. ....	Dalton Rd., Sutton-West
Peerless Jewellery Manufacturers Ltd. ....	2 Temperance St., Toronto 1
Piffard, R., & Sons .....	51 Wellington St. W., Toronto
Platinum Art Company .....	21 Dundas Square, Toronto
Porcupine Rehabilitation Enterprise Inc. ....	221-224 Pine St. S., Timmins
Pre-met Manufacturers Ltd. ....	195 Yonge St., Toronto 1
Quality Jewellery Manufacturing .....	11 Duncan St., Toronto 1
Roberts, L. ....	10 Temperance St., Toronto 1
Select Jewellery Mfg. Co. ....	247 Hastings Ave., Toronto 8
St. John's Trophy .....	17 St-John's Rd., Toronto 9
Strath-Craft .....	504 Riverside Dr., London
Traub Mfg. Co. of Canada Limited .....	1922 Wyandotte St. E., Windsor
Turner, Fred M. Mfg. ....	42 James St. N., Hamilton
Uncas Mfg. (Canada) Ltd. ....	144 Rivalda Rd., Weston
Universal Jewellery Mfg. Co. ....	284 Yonge St., Toronto
Uno Jewellery Mfg. ....	9 Richmond St. E., Toronto
Varley & Atkins Co. ....	4 Wellesley St., Toronto 5
Walker, Ben, Jewellery Ltd. ....	229 Yonge St., Toronto 1
Walker, Harry, Jewellery Mfg. Co. Ltd. ....	6 Teraulay St., Toronto 1
Wellings Mfg. Co. of Toronto, Ltd., The .....	67 Richmond St. E., Toronto 1
Williams Jewellery Co. ....	14 Temperance St., Toronto 1
Wille, C. & Sons Ltd. ....	20 Temperance St., Toronto 1
Windle, E. & Co. ....	521 Victoria Park Ave., Toronto
Young & Fisher .....	Box 9, Station Rd., Pickering
<b>Manitoba:</b>	
Clay Law Limited .....	62 Albert St., Winnipeg 2
Dunn, W.E. ....	264 Portage Ave., Winnipeg 1
Freedman's Jewellery Mfg. ....	284 Fort St., Winnipeg 1
Ray-Serene Company .....	669 Main St., Winnipeg 2
Souris Rock & Agate .....	Dickson Ave., Souris
Winnipeg Silver Plate Co. Ltd. ....	786 Toronto St., Winnipeg
<b>Saskatchewan:</b>	
Kennedy, Logan R. ....	165-3rd Ave. S., Saskatoon
Thompson, S.H. Mfg. Ltd. ....	214-21st St. E., Saskatoon
<b>Alberta:</b>	
Jedco Ltd. ....	10135-103rd St., Edmonton
Phillips Frank X. Silversmiths .....	1231-17th St. N. W., Calgary
<b>British Columbia:</b>	
Alaska Jewellery Mfg. Co. Ltd. ....	409-751 Granville St., Vancouver 2
Albright Jewellery Co. ....	576 Seymour St., Vancouver 2
Capital Mfg. Jewellers Ltd. ....	745 Yates St., Victoria
Carmichael, Silversmiths Ltd. ....	708-712 Humboldt St., Victoria
Diment Jewellers .....	3399 Anchorage Rd., Lagoan
Flewelling & Cooper Ltd. ....	18 Hastings St. W., Vancouver 4
Grimson & Sons Ltd. ....	163 Hastings St. W., Vancouver 3
Hawken & Co. ....	144 Hastings St. W., Vancouver 3
Jacoby Brother Ltd. ....	434 Pender St. W., Vancouver 3
Jeffries & Co. ....	1026 Fort St., Victoria
Lyth Eric Jewellers .....	576 Seymour St., Vancouver
Parl Mfg. Co. ....	1226 Granville St., Vancouver 2
Pressed Metal Products Ltd. ....	446 Railway St., Vancouver 4
Souratter, B. ....	680 Robson St., Vancouver 2
Trayling, E. J. ....	509 Richards St., Vancouver 2
Trayling-Waters Ltd. ....	576 Seymour St., Vancouver 2
Van Isle Jewellers .....	738 Yates St., Victoria
Zuker Jewellery Co. Ltd. ....	193 Hastings St. E., Vancouver 4

# 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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