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# PEN AND PENCIL AND TYPEWRITER SUPPLIES MANUFACTURERS

1965

## ANNUAL CENSUS OF MANUFACTURES

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# PEN AND PENCIL AND TYPEWRITER SUPPLIES MANUFACTURERS

1965

## SECTION 1. PEN AND PENCIL MANUFACTURES, 1965

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 fountain pens and parts; ball-point pens; lead and mechanical pencils; and crayons".

Table 12 presents the details of materials used in manufacturing operations. The shipments by the manufacturers coded to this industry, not inclusive of ball-point pens and non-mechanical pencils, other, are shown in Table 13. In order that we may not reveal the operations of any establishment, the shipments of ball-point pens are included in All Industry, Table 14. Data on non-mechanical pencils, other, remain confidential.

A list of the establishments classified to the industry in the 1965 survey will be found at the end of this section of the 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. Principal Statistics, 1961-65

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		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals .....	18	765	1,561	1,997	91	6,445	15,051	8,350	x	x	1,188	4,251	8,368
1962													
Totals .....	19	773	1,623	2,138	97	6,873	16,266	9,392	x	x	1,176	4,542	9,439
1963													
Totals .....	19	751	1,562	2,052	100	7,621	16,481	8,708	x	x	1,103	4,431	9,080
1964													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	8	304	625	842	37	3,400	7,491	4,123	x	x	435	1,810	4,174
Ontario .....	9	400	823	1,136	67	3,975	9,665	5,449	-	-	633	2,631	5,544
Manitoba .....	-												
Saskatchewan .....	-												
Alberta .....	1												
British Columbia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	18	704	1,447	1,978	104	7,374	17,156	9,571	x	x	1,068	4,441	9,719
1965													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	9	338	713	972	41	3,596	8,312	4,910	x	x	489	2,009	5,012
Ontario .....	9	402	838	1,228	69	4,293	9,757	5,395	-	-	638	2,760	5,456
Manitoba .....	-												
Saskatchewan .....	-												
Alberta .....	1												
British Columbia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	19	740	1,551	2,200	110	7,890	18,070	10,305	x	x	1,107	4,769	10,468

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1964 and 1965

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1964</b>													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	3	15	29	31	1	87	182	93	x	x	17	37	93
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....													
200,000 " 499,999 .....	5	96	189	247	14	820	1,703	860	—	—	126	455	896
500,000 " 999,999 .....	4	132	272	365	28	1,361	2,889	1,484	—	—	209	787	1,475
1,000,000 " 4,999,999 .....	6	461	956	1,335	60	5,106	12,383	7,134	—	—	716	3,162	7,255
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>18</b>	<b>704</b>	<b>1,447</b>	<b>1,978</b>	<b>104</b>	<b>7,374</b>	<b>17,156</b>	<b>9,571</b>	<b>x</b>	<b>x</b>	<b>1,068</b>	<b>4,441</b>	<b>9,719</b>
<b>1965</b>													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	4	20	40	59	2	137	242	129	x	x	25	74	153
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....													
200,000 " 499,999 .....	5	101	199	269	15	754	1,665	917	—	—	138	515	953
500,000 " 999,999 .....	4	155	305	435	32	1,571	3,104	1,561	—	—	231	871	1,534
1,000,000 " 4,999,999 .....	6	464	1,007	1,437	62	5,428	13,058	7,698	—	—	713	3,310	7,828
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>19</b>	<b>740</b>	<b>1,551</b>	<b>2,200</b>	<b>110</b>	<b>7,890</b>	<b>18,070</b>	<b>10,305</b>	<b>x</b>	<b>x</b>	<b>1,107</b>	<b>4,769</b>	<b>10,468</b>

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1964 and 1965

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1964</b>													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	3	15	29	31	1	87	182	93	x	x	17	37	93
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....													
200,000 " 499,999 .....	6	172	350	477	32	1,773	3,769	1,952	—	—	268	1,055	1,979
500,000 " 999,999 .....	6	461	956	1,335	60	5,106	12,383	7,134	—	—	716	3,162	7,255
1,000,000 " 4,999,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>18</b>	<b>704</b>	<b>1,447</b>	<b>1,978</b>	<b>104</b>	<b>7,374</b>	<b>17,156</b>	<b>9,571</b>	<b>x</b>	<b>x</b>	<b>1,068</b>	<b>4,441</b>	<b>9,719</b>
<b>1965</b>													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	4	20	40	59	2	137	242	129	x	x	25	74	153
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....													
200,000 " 499,999 .....	4	108	203	248	12	1,029	1,585	571	—	—	131	400	583
500,000 " 999,999 .....	4	99	201	279	24	970	2,349	1,371	—	—	166	683	1,386
1,000,000 " 4,999,999 .....	3	165	347	546	28	1,694	3,925	2,216	—	—	271	1,233	2,289
5,000,000 and over .....	4	348	759	1,068	44	4,060	9,968	6,018	—	—	514	2,380	6,057
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>19</b>	<b>740</b>	<b>1,551</b>	<b>2,200</b>	<b>110</b>	<b>7,890</b>	<b>18,070</b>	<b>10,305</b>	<b>x</b>	<b>x</b>	<b>1,107</b>	<b>4,769</b>	<b>10,468</b>



TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1964 and 1965

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1964</b>													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	3	15	29	31	1	87	182	93	x	x	17	37	93
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....	3	56	112	135	10	408	822	391	—	—	67	187	391
200,000 " 499,999 .....	6	172	350	477	32	1,773	3,769	1,952	—	—	268	1,055	1,979
500,000 " 999,999 .....	6	461	956	1,335	60	5,106	12,383	7,134	—	—	716	3,162	7,255
1,000,000 " 4,999,999 .....													
5,000,000 and over .....													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>18</b>	<b>704</b>	<b>1,447</b>	<b>1,978</b>	<b>104</b>	<b>7,374</b>	<b>17,156</b>	<b>9,571</b>	<b>x</b>	<b>x</b>	<b>1,068</b>	<b>4,441</b>	<b>9,719</b>
<b>1965</b>													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	4	20	40	58	2	137	242	129	x	x	25	74	153
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....	4	108	203	248	12	1,029	1,585	571	—	—	131	400	583
200,000 " 499,999 .....	4	99	201	279	24	970	2,349	1,371	—	—	166	683	1,386
500,000 " 999,999 .....	3	198	417	600	33	1,144	3,411	2,257	—	—	291	1,178	2,248
1,000,000 " 4,999,999 .....	4	315	690	1,014	39	4,610	10,482	5,978	—	—	494	2,434	6,097
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>19</b>	<b>740</b>	<b>1,551</b>	<b>2,200</b>	<b>110</b>	<b>7,890</b>	<b>18,070</b>	<b>10,305</b>	<b>x</b>	<b>x</b>	<b>1,107</b>	<b>4,769</b>	<b>10,468</b>

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1964 and 1965

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1964</b>													
Under 5 employed .....	3	15	29	31	1	87	182	93	x	x	17	37	93
5- 14 employed .....													
15- 49 " .....													
50- 99 " .....	6	121	244	319	23	1,029	2,283	1,225	—	—	171	630	1,263
100-199 " .....	5	235	492	632	29	2,518	5,526	2,932	—	—	350	1,376	2,946
200-499 " .....	4	333	683	996	50	3,741	9,165	5,322	—	—	530	2,398	5,417
500 employed and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>18</b>	<b>704</b>	<b>1,447</b>	<b>1,978</b>	<b>104</b>	<b>7,374</b>	<b>17,156</b>	<b>9,571</b>	<b>x</b>	<b>x</b>	<b>1,068</b>	<b>4,441</b>	<b>9,719</b>
<b>1965</b>													
Under 5 employed .....	4	20	40	59	2	137	242	129	x	x	25	74	153
5- 14 employed .....													
15- 49 " .....													
50- 99 " .....	6	125	250	343	26	1,108	2,422	1,289	—	—	186	712	1,313
100-199 " .....	5	255	520	736	31	2,839	5,799	3,005	—	—	365	1,477	3,014
200-499 " .....	4	340	740	1,062	51	3,805	9,606	5,882	—	—	531	2,506	5,888
500 employed and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>19</b>	<b>740</b>	<b>1,551</b>	<b>2,200</b>	<b>110</b>	<b>7,890</b>	<b>18,070</b>	<b>10,305</b>	<b>x</b>	<b>x</b>	<b>1,107</b>	<b>4,769</b>	<b>10,468</b>

TABLE 6. Principal Statistics classified by Type of Organization, 1964 and 1965

Type of organization	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		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Individual ownerships .....	18	704	1,447	1,978	104	7,374	17,156	9,571	x	x	1,068	4,441	9,719
Partnerships .....													
Incorporated companies .....													
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	18	704	1,447	1,978	104	7,374	17,156	9,571	x	x	1,068	4,441	9,719
1965													
Individual ownerships .....	19	740	1,551	2,200	110	7,890	18,070	10,305	x	x	1,107	4,769	10,468
Partnerships .....													
Incorporated companies .....													
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	19	740	1,551	2,200	110	7,890	18,070	10,305	x	x	1,107	4,769	10,468

TABLE 7. Calculation of Output, Input and Value Added, 1964 and 1965

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
	\$'000					
Output						
1. Shipments and other revenue .....	17,156	18,070	806	758	17,962	18,828
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	785	923	...	...	785	923
Finished goods .....	1,242	1,354	...	...	1,242	1,354
Deduct opening—Goods in process .....	810	794	...	...	810	794
Finished goods .....	1,324	1,247	...	...	1,324	1,247
2. Net inventory change .....	(107)	236	...	...	(107)	236
3. Gross output (1 + 2) .....	17,049	18,306	806	758	17,855	19,064
Input						
4. Purchases of goods not of own manufacture .....	...	...	545	572	545	572
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	86	93	86	93
Deduct closing .....	...	...	78	196	78	196
5. Cost of goods sold (not of own manufacture) .....	...	...	553	469	553	469
6. Materials, supplies, etc. ....	7,374	7,890	105	126	7,479	8,016
7. Fuel and electricity .....	104	110	...	...	104	110
8. Gross input (5 + 6 + 7) .....	7,478	8,000	658	595	8,136	8,595
Value added (3 - 8) .....	9,571	10,305	148	163	9,719	10,468



TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Admin- istra- tive and office	Sales and distrib- ution	Total
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
	number										\$'000				
1964															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	105	199	2	3	33	25	56	12	196	239	842	39	451	478	1,810
Ontario .....	99	301	1	-	75	69	80	8	255	378	1,136	4	890	601	2,631
Manitoba .....															
Saskatchewan .....															
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	204	500	3	3	108	94	136	20	451	617	1,978	43	1,341	1,078	4,441
1965															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	113	225	3	1	39	26	56	6	211	258	972	41	482	514	2,009
Ontario .....	113	289	-	-	81	68	76	11	270	368	1,228	-	914	618	2,760
Manitoba .....															
Saskatchewan .....															
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	226	514	3	1	120	94	132	17	481	626	2,200	41	1,396	1,132	4,769

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1964 and 1965

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January .....	201	534	213	471
February .....	204	508	217	464
March .....	195	473	221	473
April .....	204	469	210	509
May .....	203	462	216	484
June .....	208	474	217	510
July .....	203	509	229	500
August .....	207	511	226	561
September .....	209	512	230	537
October .....	209	526	231	559
November .....	205	519	242	573
December .....	205	480	242	529
Averages .....	204	500	226	514
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
Average for all establishments .....	204	500	226	514

TABLE 10. Inventories, 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—
New Brunswick .....	—	—	—	—	—	—
Quebec .....	899	184	444	1,526	33	1,559
Ontario .....	1,261	611	803	2,675	60	2,736
Manitoba .....						
Saskatchewan .....						
Alberta .....						
British Columbia .....	—	—	—	—	—	—
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	2,160	794	1,247	4,201	93	4,295
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—
New Brunswick .....	—	—	—	—	—	—
Quebec .....	979	332	531	1,842	131	1,973
Ontario .....	1,463	591	824	2,877	65	2,942
Manitoba .....						
Saskatchewan .....						
Alberta .....						
British Columbia .....	—	—	—	—	—	—
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	2,442	923	1,354	4,719	196	4,915

TABLE 11. Purchased Fuel and Electricity Used, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines .....	ton	—	—	—
(b) Imported .....	"	483	514	8
Sub-bituminous coal (from Alberta mines only) .....	"	—	—	—
Anthracite coal .....	"	—	—	—
Lignite coal .....	"	—	—	—
Coke .....	"	—	—	—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	14,457	14,901	7
Fuel oil including kerosene or coal oil .....	"	228,412	222,510	27
Wood .....	cord	—	—	—
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	4,485	4,075	2
(b) Other manufactured gas .....	M cu. ft.	—	—	—
(c) Natural gas .....	"	16	2,016	2
Other fuel .....	...	...	...	...
Electricity purchased .....	kwh.	3,874,653	4,172,935	59
Steam purchased .....	...	...	...	...
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	6	...	6
3. All establishments:				
Total fuel and electricity used .....	...	104	...	110

TABLE 12. Materials and Supplies - Manufacturing Activity, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Rubber .....	lb. 177,841	123	213,133	145
Plastics .....	" 584,988	304	603,333	264
Crayon materials .....	...	311	...	354
Gold alloys .....	...	26	...	21
Gold leaf .....	...	14	...	17
Silver .....	oz. 1,930	2	2,024	3
Iridium .....	" 566	16	150	3
Leads .....	...	577	...	680
Ink and ink ingredients .....	...	236	...	319
Pen and pencil parts .....	...	3,331	...	3,389
Glue .....	lb. 56,360	13	60,895	15
Lacquer .....	gal. 16,743	91	19,937	109
Wood .....	...	430	...	428
All other materials and components used <sup>1</sup> .....	...	494	...	564
2. Containers and other packaging materials and supplies used .....	...	1,147	...	1,265
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	210	...	272
4. Amount paid out to others for work done on materials owned by establishments .....	...	49	...	41
<b>Totals .....</b>	<b>...</b>	<b>7,374</b>	<b>...</b>	<b>7,890</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 \$160,707 in 1964 and \$139,529 in 1965.

TABLE 13. Shipments of Goods of Own Manufacture, 1964 and 1965

Description	1964		1965	
	Quantity	Value	Quantity	Value
		\$'000		\$'000
1. Products:				
Fountain pens .....	doz. 1	1	108,143	1,388
Fountain pen nibs, holders and other parts .....	... 436	...	...	336
Ball-point pens <sup>2</sup> .....	1	1	1	1
Refills for ball-point pens and liquid lead pencils .....	doz. 2,983,403	1,078	2,541,582	999
Non-mechanical pencils, black lead .....	gross 668,337	2,682	606,945	2,781
Non-mechanical pencils, other .....	1	1	1	1
Pencils, mechanical .....	doz. 86,826	445	86,554	472
Leads for pencils .....	" ...	142	...	243
Erasers .....	" 1	1	934,884	468
Desk sets .....	" 9,580	275	8,287	302
Other stationery supplies .....	...	11,820	...	10,819
All other products .....	...	262	...	271
2. Amount received in payment for work done on materials and products owned by others .....	...	20	...	16
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(5)	...	(26)
<b>Total adjusted value of shipments and work done .....</b>	<b>...</b>	<b>17,156</b>	<b>...</b>	<b>18,070</b>

<sup>1</sup> Included in "Other stationery supplies".

<sup>2</sup> See Table 14.

**TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1964 and 1965**  
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Description	1964		1965	
	Quantity	Value	Quantity	Value
	doz.	\$'000	doz.	\$'000
Ball-point pens .....	4,656,110	7,005	5,339,012	7,797

**List of Establishments classified to this Industry, 1965**

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

Name	Location
<b>Quebec:</b>	
Eagle Pencil Co. of Canada Ltd. ....	201 St. Jean St., Drummondville
Eberhard Faber (Canada) Ltd. ....	1100 Bernard St., Acton Vale
International Pen Co. Ltd. ....	9292 Mellieur St., Montreal
Jacomar Pen. The .....	2555 Ave. de Vitre, Québec 3
La Manufacture Canadienne de Crayons Inc. ....	101 St. Charles St., Marleville
Lion Pen Co. ....	636 St. Paul St. W., Montreal 3
National Merchandise Mfg. Co. Inc. ....	180 Bates Rd., Town of Mount Royal
North-Rite Ltd. ....	105 René-Philippe, Ville Lemoyne
Pronto Precision Products Ltd. ....	180 Bates Rd., Town of Mount Royal
<b>Ontario:</b>	
Canada Crayon Company Ltd. ....	95 Lindsay St. N., Lindsay
Dixon Pencil Company Limited .....	531 Davis Drive, Newmarket
Esterbrook Pen Co. of Canada Ltd., The .....	110 Jutland Rd., Toronto 18
Parker Pen Co. Ltd. ....	45 Green Belt Drive, Don Mills
Rice, Frank Sales Limited .....	60 Front St. W., Toronto
Scripto of Canada Ltd. ....	161 Bartley Drive, Toronto 16
Sheaffer, W.A. Pen Co. of Canada Ltd. ....	Huron Rd., Goderich
Truform Industries Limited .....	61 Milvan Drive, Weston
Venus Pencil Co. Limited .....	1325 The Queensway, Toronto 18
<b>Alberta:</b>	
Trendcraft Industries Ltd. ....	1913-10th Ave. S.W., Calgary

## SECTION 2. TYPEWRITER SUPPLIES MANUFACTURERS, 1965

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 carbon paper, stencil paper, inked ribbons and other typewriter supplies".

Table 12 presents the detail of materials used in manufacturing and Table 13, covering shipments of goods of own manufacture, has been somewhat abridged in presentation. The two main products of the industry, namely, carbon paper and machine equipment ribbons, are also made by firms not classified to this industry, and this abridgement of Table 13 was necessary in order to present the shipments of these two commodities by all industries in Table 14.

A list of the establishments classified to the industry in the 1965 survey will be found at the end of this section of the report.



TABLE 1. Principal Statistics, 1961-65

Year and province	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		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals .....	10	325	745	958	58	3,871	7,700	3,782	-	-	543	2,146	3,792
1962													
Totals .....	10	354	761	1,064	64	4,653	8,390	3,681	-	-	583	2,243	3,799
1963													
Totals .....	10	369	805	1,227	70	4,653	8,875	4,162	-	-	567	2,394	4,274
1964													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	4	x	x	x	x	x	x	x	-	-	x	x	x
Ontario .....	6	308	710	1,078	53	4,095	7,918	3,835	-	-	470	2,031	3,851
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	1	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	11	383	865	1,319	69	5,047	9,759	4,734	-	-	592	2,525	4,799
1965													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	4	x	x	x	x	x	x	x	-	-	x	x	x
Ontario .....	6	300	650	1,055	56	4,353	8,268	3,932	-	-	471	2,028	3,951
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	1	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	11	380	817	1,330	75	5,366	10,224	4,883	-	-	603	2,579	4,990

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1964 and 1965

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1964</b>													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999 .....	6	58	133	213	21	767	1,495	676	-	-	88	391	671
50,000 " 99,999 .....													
100,000 " 199,999 .....													
200,000 " 499,999 .....													
500,000 " 999,999 .....	5	325	732	1,106	48	4,280	8,264	4,058	-	-	504	2,134	4,128
1,000,000 " 4,999,999 .....													
5,000,000 and over .....													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>11</b>	<b>383</b>	<b>865</b>	<b>1,319</b>	<b>69</b>	<b>5,047</b>	<b>9,759</b>	<b>4,734</b>	<b>-</b>	<b>-</b>	<b>592</b>	<b>2,525</b>	<b>4,799</b>
<b>1965</b>													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999 .....	3	24	51	67	4	210	364	162	-	-	34	120	191
200,000 " 499,999 .....	3	39	86	156	20	664	1,200	518	-	-	62	300	515
500,000 " 999,999 .....	5	317	680	1,106	51	4,491	8,660	4,202	-	-	507	2,159	4,284
1,000,000 " 4,999,999 .....													
5,000,000 and over .....													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>11</b>	<b>380</b>	<b>817</b>	<b>1,330</b>	<b>75</b>	<b>5,366</b>	<b>10,224</b>	<b>4,883</b>	<b>-</b>	<b>-</b>	<b>603</b>	<b>2,579</b>	<b>4,990</b>

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1964 and 1965

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<b>1964</b>													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999 .....	5	45	102	159	11	552	1,016	439	-	-	64	278	436
50,000 " 99,999 .....													
100,000 " 199,999 .....													
200,000 " 499,999 .....													
500,000 " 999,999 .....	3	272	625	942	38	3,691	7,027	3,398	-	-	409	1,754	3,417
1,000,000 " 4,999,999 .....													
5,000,000 and over .....													
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>11</b>	<b>383</b>	<b>865</b>	<b>1,319</b>	<b>69</b>	<b>5,047</b>	<b>9,759</b>	<b>4,734</b>	<b>-</b>	<b>-</b>	<b>592</b>	<b>2,525</b>	<b>4,799</b>
<b>1965</b>													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
50,000 " 99,999 .....	5	50	109	163	18	613	1,098	480	-	-	78	319	508
100,000 " 199,999 .....													
200,000 " 499,999 .....													
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....	3	265	573	935	41	3,899	7,400	3,534	-	-	413	1,769	3,554
5,000,000 and over .....													
Head offices, sales offices and auxiliary units .....													
<b>Totals .....</b>	<b>11</b>	<b>380</b>	<b>817</b>	<b>1,330</b>	<b>75</b>	<b>5,366</b>	<b>10,224</b>	<b>4,883</b>	<b>-</b>	<b>-</b>	<b>603</b>	<b>2,579</b>	<b>4,990</b>

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1964 and 1965

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999 .....	5	45	102	159	11	552	1,016	439	-	-	64	278	436
50,000 " 99,999 .....		-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999 .....		-	-	-	-	-	-	-	-	-	-	-	-
200,000 " 499,999 .....	3	66	139	217	21	803	1,717	896	-	-	119	494	945
500,000 " 999,999 .....	3	272	625	942	38	3,691	7,027	3,398	-	-	409	1,754	3,417
1,000,000 " 4,999,999 .....		-	-	-	-	-	-	-	-	-	-	-	-
5,000,000 and over .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	11	383	865	1,319	69	5,047	9,759	4,734	-	-	592	2,525	4,799
1965													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
25,000 " 49,999 .....	3	24	51	67	4	210	364	162	-	-	34	120	191
50,000 " 99,999 .....		-	-	-	-	-	-	-	-	-	-	-	-
100,000 " 199,999 .....		-	-	-	-	-	-	-	-	-	-	-	-
200,000 " 499,999 .....	3	39	86	156	20	664	1,200	518	-	-	62	300	515
500,000 " 999,999 .....	5	317	680	1,106	51	4,491	8,660	4,202	-	-	507	2,159	4,284
1,000,000 " 4,999,999 .....		-	-	-	-	-	-	-	-	-	-	-	-
5,000,000 and over .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	11	380	817	1,330	75	5,366	10,224	4,883	-	-	603	2,579	4,990

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1964 and 1965

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		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under 5 employed .....	8	111	240	377	31	1,356	2,732	1,335	-	-	183	771	1,382
5 - 14 employed .....		-	-	-	-	-	-	-	-	-	-	-	-
15 - 49 " .....		-	-	-	-	-	-	-	-	-	-	-	-
50 - 99 " .....	3	272	625	942	38	3,691	7,027	3,398	-	-	409	1,754	3,417
100 - 199 " .....		-	-	-	-	-	-	-	-	-	-	-	-
200 - 499 " .....	-	-	-	-	-	-	-	-	-	-	-	-	-
500 employed and over .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	11	383	865	1,319	69	5,047	9,759	4,734	-	-	592	2,525	4,799
1965													
Under 5 employed .....	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 14 employed .....	3	24	51	67	4	210	364	162	-	-	34	120	191
15 - 49 " .....	5	91	193	327	30	1,256	2,460	1,187	-	-	156	689	1,244
50 - 99 " .....	3	265	573	935	41	3,899	7,400	3,534	-	-	413	1,769	3,554
100 - 199 " .....		-	-	-	-	-	-	-	-	-	-	-	-
200 - 499 " .....	-	-	-	-	-	-	-	-	-	-	-	-	-
500 employed and over .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	11	380	817	1,330	75	5,366	10,224	4,883	-	-	603	2,579	4,990

TABLE 6. Principal Statistics classified by Type of Organization, 1964 and 1965

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		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Individual ownerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Partnerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Incorporated companies .....	11	383	865	1,319	69	5,047	9,759	4,734	...	...	592	2,525	4,799
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	11	383	865	1,319	69	5,047	9,759	4,734	-	-	592	2,525	4,799
1965													
Individual ownerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Partnerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Incorporated companies .....	11	380	817	1,330	75	5,366	10,224	4,883	...	...	603	2,579	4,990
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	11	380	817	1,330	75	5,366	10,224	4,883	-	-	603	2,579	4,990

TABLE 7. Calculation of Output, Input and Value Added, 1964 and 1965

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
	\$'000					
Output						
1. Shipments and other revenue .....	9,759	10,224	572	653	10,331	10,877
Inventories—Goods of own manufacture:						
Add closing—Goods in process.....	313	389	...	...	313	389
Finished goods .....	432	478	...	...	432	478
Deduct opening—Goods in process .....	258	311	...	...	258	311
Finished goods .....	397	456	...	...	397	456
2. Net inventory change .....	90	100	...	...	90	100
3. Gross output (1 + 2) .....	9,849	10,324	572	653	10,421	10,977
Input						
4. Purchases of goods not of own manufacture .....	...	...	478	530	478	530
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	14	15	14	15
Deduct closing .....	...	...	15	27	15	27
5. Cost of goods sold (not of own manufacture) .....	...	...	477	518	477	518
6. Materials, supplies, etc. ....	5,047	5,366	30	28	5,077	5,394
7. Fuel and electricity .....	69	75	...	...	69	75
8. Gross input (5 + 6 + 7) .....	5,116	5,441	507	546	5,623	5,987
Value added (3 - 8).....	4,734	4,883	65	107	4,799	4,990

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Admin- istrative and office	Sales and distri- bution	Total
	Manufacturing		Other								Manufac- turing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female					
	number										\$'000				
1964															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
Ontario .....	199	109	-	-	54	39	59	10	312	158	1,078	-	499	454	2,031
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	x	x	-	-	x	-	x	-	x	x	x	-	x	x	x
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	243	140	-	-	67	51	81	10	391	201	1,319	-	623	583	2,525
1965															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
Ontario .....	194	106	-	-	52	42	66	11	312	159	1,055	-	533	441	2,036
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	240	140	-	-	65	58	89	11	394	209	1,330	-	668	581	2,579

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1964 and 1965

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January .....	239	141	234	138
February .....	246	139	240	137
March .....	244	136	240	138
April .....	242	149	242	141
May .....	243	144	240	145
June .....	256	142	242	139
July .....	251	147	241	142
August .....	243	144	243	141
September .....	226	146	243	136
October .....	235	138	237	142
November .....	238	135	240	138
December .....	236	131	237	141
Averages .....	243	140	240	140
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
Average for all establishments .....	243	140	240	140



TABLE 10. Inventories, 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—
New Brunswick .....	—	—	—	—	—	—
Quebec .....	x	x	x	x	x	x
Ontario .....	887	282	350	1,519	2	1,521
Manitoba .....	—	—	—	—	—	—
Saskatchewan .....	—	—	—	—	—	—
Alberta .....	—	—	—	—	—	—
British Columbia .....	x	x	x	x	x	x
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	1,152	311	456	1,919	15	1,934
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—
New Brunswick .....	—	—	—	—	—	—
Quebec .....	x	x	x	x	x	x
Ontario .....	833	353	351	1,538	2	1,539
Manitoba .....	—	—	—	—	—	—
Saskatchewan .....	—	—	—	—	—	—
Alberta .....	—	—	—	—	—	—
British Columbia .....	x	x	x	x	x	x
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	1,192	389	478	2,059	27	2,086

TABLE 11. Purchased Fuel and Electricity Used, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines .....	ton	—	—	—
(b) Imported .....	"	—	—	—
Sub-bituminous coal (from Alberta mines only) .....	"	—	—	—
Anthracite coal .....	"	—	—	—
Lignite coal .....	"	—	—	—
Coke .....	"	—	—	—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	4,118	2	4,350
Fuel oil including kerosene or coal oil .....	"	306,901	38	314,685
Wood .....	cord	—	—	—
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	680	--	845
(b) Other manufactured gas .....	M cu. ft.	—	—	—
(c) Natural gas .....	"	—	—	—
Other fuel .....	...	—	...	—
Electricity purchased .....	kwh.	1,832,688	29	1,946,374
Steam purchased .....	...	—	...	—
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	1	...	1
3. All establishments:				
Total fuel and electricity used .....	...	69	...	75

TABLE 12. Materials and Supplies - Manufacturing Activity, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Ribbon cloth, imported:				
(a) Cotton .....	...	494	...	538
(b) Other fibres .....	...	276	...	331
Paper, carbonizing:				
(a) Domestic .....	ton 2,385	1,058	2,554	1,116
(b) Imported .....	" 848	874	900	856
Paper, other .....	" 614	202	774	287
Wax, carnauba .....	lb. 286,149	152	303,141	163
Wax, other .....	" 735,150	145	760,977	141
Carbon black .....	" 331,919	70	321,110	67
Colours and dyes .....	" 363,364	393	390,920	441
Ribbon spools .....	... 148		...	147
Carbon and ribbon inks .....	lb. 31,716	33	23,932	20
Oils .....	gal. 114,066	53	104,049	54
All other materials and components used <sup>1</sup> .....	...	884	...	947
2. Containers and other packaging materials and supplies used .....	...	170	...	157
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	90	...	97
4. Amount paid out to others for work done on materials owned by establishments .....	...	3	...	3
<b>Totals .....</b>	<b>...</b>	<b>5,047</b>	<b>...</b>	<b>5,366</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 \$140,588 in 1964 and \$126,478 in 1965.

TABLE 13. Shipments of Goods of Own Manufacture, 1964 and 1965

Description	Value	
	1964	1965
	\$'000	
1. Products:		
Teletype rolls .....	228	141
Carbon paper, all types <sup>1</sup> .....	9,543 <sup>1</sup>	10,096
Ribbons, office equipment (typewriter, etc.) <sup>1</sup> .....		
All other products .....		
2. Amount received in payment for work done on materials and products owned by others .....		
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	(12)	(13)
Net adjustment for establishments receiving progress payments .....	-	-
<b>Total adjusted value of shipments and work done .....</b>	<b>9,759</b>	<b>10,224</b>

<sup>1</sup> See Table 14.

**TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1964 and 1965**  
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Description	Value	
	1964	1965
	\$'000	
Carbon paper, regular .....	2,358	2,373
Carbon paper, one-time .....	2,437	2,604
Ribbons, office equipment (typewriter, etc.) .....	3,100	3,118

**List of Establishments classified to this Industry, 1965**

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

Name	Location
<b>Quebec:</b>	
Budge Carbon and Ribbons Ltd. ....	767 St. Remi St.,
Kores Manufacturing Corporation .....	3465 Côte-de-Liesse Rd., Montreal 9
La Compagnie de Carbon du Québec Ltée .....	87 Crémazie St., Hull
Mid-City Ribbon and Carbon Mfg. Ltd. ....	420 Lagauchetière St. W., Montreal
<b>Ontario:</b>	
Atlas Carbon and Ribbon Co. Ltd. ....	431 Dundas St. E., Toronto 2 B
Burroughs Business Machines Ltd. ....	35 Bertrand Ave., Scarborough
Canada Carbon and Ribbon Co. Ltd. ....	55 Bridgeland Ave., Toronto 19
Capital Carbon and Ribbon Co. Ltd. ....	120 Deschamps St., Eastview
Peerless Carbon and Ribbon Co. Ltd. ....	100 Industry St., Toronto 15
Underwood, John (Canada) Ltd. ....	90 Richmond St. E., Toronto
<b>British Columbia:</b>	
Kolok Pacific Carbon & Ribbon Ltd. ....	Granville Island, Vancouver 9

# 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 55 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 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 135 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 reports reflect the complete implementation of these changes and enable comparisons to be made back to and including 1961. 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 activities**

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. For those establishments reporting on the "long" form, 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. In the case of those establishments reporting on the "short" form, respondents are requested to report average annual figures. 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.). Data on man-hours are not collected from establishments reporting on the short form. Man-hours for these establishments are estimated on the basis of ratios derived from the 1958 census. During this census all establishments reported on the long form. 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 are 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 manufacturing materials, supplies, etc. and fuel and electricity consumed from the (value of shipments of goods of own manufacture 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 pur-

chased for re-sale) and the cost of non-manufacturing 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 output or 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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