

1964

CATALOGUE No.

32-225

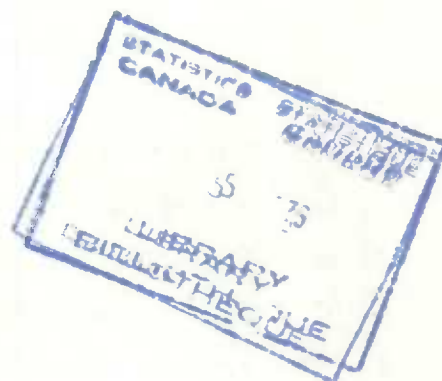
ANNUAL



# TOBACCO PRODUCTS INDUSTRIES

1964

ANNUAL CENSUS  
OF MANUFACTURES



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

DOMINION BUREAU OF STATISTICS

Industry Division

October 1966  
6506-520

Price: 50 cents

## PUBLICATIONS

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## TOBACCO PRODUCTS INDUSTRIES

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In the pages of Concepts and Definitions to be found at the end of this bulletin a concise outline has been presented on factors applicable to and comprised in the tabular matter compiled for this publication. The revised Standard Industrial Classification and the new concept of the establishment (reporting unit; see Concepts and Definition) apply throughout this bulletin.

This report is divided into two sections, viz. — Section 1 covers the Tobacco Products Manufacturers; that is the establishments principally engaged in manufacturing cigarettes, cigars, etc.; while Section 2 covers Leaf Tobacco Processors; that is the establishment principally engaged in re-drying the leaf tobacco and preparing it for the use of manufacturers of tobacco products.

### 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.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

SECTION 1. TOBACCO PRODUCTS MANUFACTURERS

TABLE 1. Principal Statistics, 1961 - 64

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 .....	21 <sup>f</sup>	6,470 <sup>f</sup>	13,694 <sup>f</sup>	26,325 <sup>f</sup>	710 <sup>f</sup>	122,463 <sup>f</sup>	229,904 <sup>f</sup>	107,625 <sup>f</sup>	8	39	8,741 <sup>f</sup>	38,503 <sup>f</sup>	108,878 <sup>f</sup>
1962													
Totals .....	22 <sup>f</sup>	6,618 <sup>f</sup>	13,500 <sup>f</sup>	27,231 <sup>f</sup>	827 <sup>f</sup>	128,230 <sup>f</sup>	242,069 <sup>f</sup>	112,734 <sup>f</sup>	7	31	9,081 <sup>f</sup>	41,240 <sup>f</sup>	113,680 <sup>f</sup>
1963													
Newfoundland .....	...	...	...	...	...	...	...	...	...	...	18	88	...
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	...	...	...	...	...	...	...	...	...	...	29	134	...
Quebec .....	14	5,511	10,765	23,938	636	99,202	188,202	88,023	7	18	6,895	32,344	89,158
Ontario .....	7	1,153	2,145	4,704	263	29,856	57,131	28,198			1,690	7,527	28,465
Manitoba .....	...	...	...	...	...	...	...	...	...	...	65	335	...
Saskatchewan .....	...	...	...	...	...	...	...	...	...	...	13	73	...
Alberta .....	...	...	...	...	...	...	...	...	...	...	59	312	...
British Columbia .....	...	...	...	...	...	...	...	...	...	...	78	425	...
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	21	6,664	12,911	28,642	899	245,333	245,333	116,221	7	17	8,847	41,238	117,622
1964													
Newfoundland .....	...	...	...	...	...	...	...	...	...	...	16	84	...
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	...	...	...	...	...	...	...	...	...	...	29	141	...
Quebec .....	14	5,479	10,580	24,477	592	99,495	187,180	89,324	x	x	6,950	333,436	91,793
Ontario .....	7	1,109	2,168	5,181	265	32,665	63,754	31,609	x	x	1,736	8,454	31,599
Manitoba .....	...	...	...	...	...	...	...	...	...	...	70	334	...
Saskatchewan .....	...	...	...	...	...	...	...	...	...	...	15	79	...
Alberta .....	...	...	...	...	...	...	...	...	...	...	59	295	...
British Columbia .....	...	...	...	...	...	...	...	...	...	...	81	437	...
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	21	6,588	12,747	29,659	857	132,160	250,934	120,933	4	6	8,956	43,260	123,392

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1963 and 1964

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	
<b>1963</b>													
Under \$10,000 .....	4	22	45	48	3	59	197	73	7	17	26	68	73
\$ 10,000 to \$ 24,999 .....													
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....													
200,000 " 499,999 .....	6	319	614	861	52	4,286	8,538	4,764	-	-	470	1,483	5,100
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	11	6,323	12,252	27,733	844	124,729	236,597	111,384	-	-	7,179	32,959	111,310
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	1,172	6,728	1,139
<b>Totals</b> .....	21	6,664	12,911	28,642	899	129,074	245,333	116,221	7	17	8,847	41,238	117,622
<b>1964</b>													
Under \$10,000 .....	4	11	23	33	4	50	134	83	4	6	14	49	83
\$ 10,000 to \$ 24,999 .....													
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....													
200,000 " 499,999 .....	5	306	631	814	36	3,139	5,674	2,506	-	-	401	1,257	2,502
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	12	6,271	12,093	28,811	817	128,972	245,126	118,344	-	-	7,395	35,071	119,512
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	1,146	6,883	1,294
<b>Totals</b> .....	21	6,588	12,747	29,659	857	132,160	250,934	120,933	4	6	8,956	43,260	123,392

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1963 and 1964

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	
<b>1963</b>													
Under \$10,000 .....	4	22	45	48	3	59	197	73	7	17	26	68	73
\$ 10,000 to \$ 24,999 .....													
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....													
200,000 " 499,999 .....	5	279	538	700	28	2,473	5,320	2,846	-	-	367	1,078	2,882
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	9	5,842	11,254	26,224	770	117,715	222,441	104,493	-	-	6,514	30,579	104,335
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	1,172	6,728	1,139
<b>Totals</b> .....	21	6,664	12,911	28,642	899	129,074	245,333	116,221	7	17	8,847	41,238	117,622
<b>1964</b>													
Under \$10,000 .....	4	11	23	33	4	50	134	63	4	6	14	49	83
\$ 10,000 to \$ 24,999 .....													
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....													
200,000 " 499,999 .....	5	306	631	814	36	3,139	5,674	2,506	-	-	401	1,259	2,502
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	9	5,568	10,783	26,579	743	116,081	222,147	107,502	-	-	6,351	31,455	107,404
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	1,146	6,683	1,294
<b>Totals</b> .....	21	6,588	12,747	29,659	857	132,160	250,934	120,933	4	6	8,956	43,260	123,392



TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1963 and 1964

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>1963</b>													
Under \$10,000 .....	4	22	45	48	3	59	197	73	7	17	26	68	73
\$ 10,000 to \$ 24,999 .....													
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....	5	279	538	700	28	2,473	5,320	2,846			367	1,078	2,882
200,000 " 499,999 .....													
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....		3	521	1,074	97	8,827	17,375	8,809			768	2,785	9,193
5,000,000 and over .....	9	5,842	11,254	26,224	770	117,715	222,441	104,493			6,514	30,579	104,335
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	1,172	6,728	1,139
<b>Totals</b> .....	<b>21</b>	<b>6,664</b>	<b>12,911</b>	<b>28,642</b>	<b>899</b>	<b>129,074</b>	<b>245,333</b>	<b>116,221</b>	<b>7</b>	<b>17</b>	<b>8,847</b>	<b>41,238</b>	<b>117,622</b>
<b>1964</b>													
Under \$10,000 .....	4	11	23	33	4	50	134	83	4	6	14	49	83
\$ 10,000 to \$ 24,999 .....													
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....	3	166	361	421	29	1,817	2,651	823			218	688	824
200,000 " 499,999 .....													
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....		4	699	1,316	63	9,244	17,110	8,503			971	3,140	8,470
5,000,000 and over .....	10	5,712	11,047	27,170	762	121,049	231,039	111,524			6,607	32,501	112,720
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	1,146	6,883	1,294
<b>Totals</b> .....	<b>21</b>	<b>6,588</b>	<b>12,747</b>	<b>29,659</b>	<b>857</b>	<b>132,160</b>	<b>250,934</b>	<b>120,933</b>	<b>4</b>	<b>6</b>	<b>8,956</b>	<b>43,260</b>	<b>123,392</b>

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1963 and 1964

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>1963</b>													
Under 5 employed .....	3	12	25	29	3	48	118	56	2	4	15	46	56
5 - 14 employed .....													
15 - 49 " .....													
50 - 99 " .....		4	108	205	17	1,034	2,322	1,232	5	13	135	416	1,272
100 - 199 " .....	3	221	429	585	35	3,263	6,295	3,549			346	1,089	3,845
200 - 499 " .....	6	1,726	3,301	6,763	356	40,023	78,132	38,266			2,194	9,232	38,296
500 employed and over .....	5	4,597	8,951	20,969	487	84,707	158,465	73,118			4,985	23,728	73,014
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	1,172	6,728	1,139
<b>Totals</b> .....	<b>21</b>	<b>6,664</b>	<b>12,911</b>	<b>28,642</b>	<b>899</b>	<b>129,074</b>	<b>245,333</b>	<b>116,221</b>	<b>7</b>	<b>17</b>	<b>8,847</b>	<b>41,238</b>	<b>117,622</b>
<b>1964</b>													
Under 5 employed .....	4	11	23	33	4	50	134	83	4	6	14	49	83
5 - 14 employed .....													
15 - 49 " .....													
50 - 99 " .....		3	111	239	15	1,147	2,356	1,192			132	483	1,201
100 - 199 " .....	3	275	537	778	44	5,439	9,022	3,721			455	1,480	3,705
200 - 499 " .....	6	1,759	3,379	8,269	344	45,463	90,888	45,789			2,230	10,796	47,087
500 employed and over .....	5	4,432	8,570	20,226	451	80,061	148,533	70,148			4,979	23,570	70,022
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	1,146	6,883	1,294
<b>Totals</b> .....	<b>21</b>	<b>6,588</b>	<b>12,747</b>	<b>29,659</b>	<b>857</b>	<b>132,160</b>	<b>250,934</b>	<b>120,933</b>	<b>4</b>	<b>6</b>	<b>8,956</b>	<b>43,260</b>	<b>123,392</b>

TABLE 6. Principal Statistics classified by Type of Organization, 1963 and 1964

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	
<b>1963</b>													
Individual ownerships .....	2	12	26	29	1	30	127	39	7	17	14	33	39
Partnerships .....	1												
Incorporated companies .....	18	6,652	12,885	28,613	898	129,044	245,206	116,182	...	...	7,661	34,477	116,445
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	1,172	6,728	1,139
<b>Totals .....</b>	<b>21</b>	<b>6,664</b>	<b>12,911</b>	<b>28,642</b>	<b>899</b>	<b>129,074</b>	<b>245,333</b>	<b>116,221</b>	<b>7</b>	<b>17</b>	<b>8,847</b>	<b>41,238</b>	<b>117,622</b>
<b>1964</b>													
Individual ownerships .....	2	2	6	12	2	21	64	45	4	6	3	14	45
Partnerships .....	1												
Incorporated companies .....	18	6,586	12,741	29,647	855	132,139	250,869	120,889	...	...	7,607	36,364	122,053
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	1,146	6,883	1,294
<b>Totals .....</b>	<b>21</b>	<b>6,588</b>	<b>12,747</b>	<b>29,659</b>	<b>857</b>	<b>132,160</b>	<b>250,934</b>	<b>120,933</b>	<b>4</b>	<b>6</b>	<b>8,956</b>	<b>43,260</b>	<b>123,392</b>

TABLE 7. Calculation of Output, Input and Value Added, 1963 and 1964

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1963	1964	1963	1964	1963	1964
\$'000						
<b>Output</b>						
1. Shipments and other revenue .....	245,333	250,934	6,256	10,217	251,589	261,151
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	1,498	1,469	...	...	1,498	1,469
Finished goods .....	5,516	8,730	...	...	5,516	8,730
Deduct opening—Goods in process .....	1,625	1,696	...	...	1,625	1,696
Finished goods .....	4,527	5,486	...	...	4,527	5,486
2. Net inventory change .....	862	3,017	...	...	862	3,017
3. Gross output (1 + 2) .....	246,195	253,951	6,256	10,217	252,451	264,168
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	4,074	6,846	4,074	6,846
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	473	616	473	616
Deduct closing .....	...	...	3,683	718	3,683	718
5. Cost of goods sold (not of own manufacture) .....	...	...	3,664	6,744	3,664	6,744
6. Materials, supplies, etc. ....	129,074	132,160	990	1,014	130,064	133,174
7. Fuel and electricity .....	899	657	...	...	699	857
8. Gross input (5 + 6 + 7) .....	129,973	133,017	4,854	7,758	134,827	140,775
Value added (3 - 8) .....	116,221	120,933	1,401	2,459	117,622	123,392



TABLE 8. Employment and Payroll, 1963 and 1964

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 distri- bution	Total
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female					
	number										\$'000				
1963															
Newfoundland .....	...	...	...	...	...	...	14	4	14	4	...	...	...	...	88
Prince Edward Island .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Brunswick .....	...	...	...	...	...	...	23	6	23	8	...	...	...	134	134
Quebec .....	2,388	3,123	92	50	484	345	339	74	3,303	3,592	23,938	649	5,640	2,118	32,344
Ontario .....	516	637	32	3	118	54	292	38	958	732	4,704	145	1,025	1,653	7,527
Manitoba .....	...	...	...	...	...	...	54	11	54	11	...	...	...	335	335
Saskatchewan .....	...	...	...	...	...	...	13	...	13	...	...	...	...	73	73
Alberta .....	...	...	...	...	...	...	50	9	50	9	...	...	...	312	312
British Columbia .....	...	...	...	...	...	...	67	11	67	11	...	...	...	425	425
Yukon and Northwest Terri- tories .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals .....	2,904	3,760	124	53	602	399	852	153	4,482	4,365	28,642	795	6,665	5,137	41,238
1964															
Newfoundland .....	...	...	...	...	...	...	13	3	13	3	...	...	...	84	84
Prince Edward Island .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Brunswick .....	...	...	...	...	...	...	23	6	23	6	...	...	...	141	141
Quebec .....	2,301	3,178	93	46	507	342	395	88	3,296	3,654	24,477	688	5,826	2,445	33,436
Ontario .....	520	589	69	5	126	63	320	44	1,035	701	5,181	278	1,171	1,826	8,454
Manitoba .....	...	...	...	...	...	...	55	15	55	15	...	...	...	334	334
Saskatchewan .....	...	...	...	...	...	...	15	—	15	—	...	...	...	79	79
Alberta .....	...	...	...	...	...	...	51	8	51	8	...	...	...	295	295
British Columbia .....	...	...	...	...	...	...	71	10	71	10	...	...	...	437	437
Yukon and Northwest Terri- tories .....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals .....	2,821	3,767	162	51	633	405	943	174	4,559	4,397	29,659	963	6,998	5,640	43,260

TABLE 9. Production and Related Workers, — Manufacturing Activity, 1963 and 1964

Month	1963		1964	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January .....	2,813	3,619	2,849	3,680
February .....	2,829	3,649	2,771	3,489
March .....	2,863	3,708	2,755	3,525
April .....	2,902	3,734	2,810	3,638
May .....	2,959	3,965	2,866	3,780
June .....	3,048	3,969	2,948	3,964
July .....	2,879	3,831	2,849	3,816
August .....	2,952	3,933	2,843	3,982
September .....	2,865	3,702	2,853	3,944
October .....	2,883	3,664	2,840	3,882
November .....	2,943	3,758	2,858	3,769
December .....	2,906	3,591	2,888	3,740
Averages .....	2,904	3,760	2,821	3,767
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
Average for all establishments .....	2,904	3,760	2,821	3,787

TABLE 10. Inventories,<sup>1</sup> 1964

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 .....	28,434	1,589	9,721	39,745	616	40,361
Ontario .....	10,941	107	1,834	12,882	—	12,882
Manitoba .....	...	...	...	...	...	...
Saskatchewan .....	...	...	...	...	...	...
Alberta .....	...	...	...	...	...	...
British Columbia .....	...	...	...	...	...	...
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	39,375	1,696	11,556	52,627	616	53,244
Closing:						
Newfoundland .....	...	...	...	...	...	...
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—
New Brunswick .....	...	...	...	...	...	...
Quebec .....	24,168	1,381	13,093	38,642	718	39,360
Ontario .....	18,171	88	2,638	20,897	—	20,897
Manitoba .....	...	...	...	...	...	...
Saskatchewan .....	...	...	...	...	...	...
Alberta .....	...	...	...	...	...	...
British Columbia .....	...	...	...	...	...	...
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	42,339	1,469	15,731	59,539	718	60,257

TABLE 11. Purchased Fuel and Electricity Used in Manufacturing Activity, 1963 and 1964

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines .....	ton	18	—	—
(b) Imported .....	"	—	—	—
Sub-bituminous coal (from Alberta mines only) .....	"	—	—	—
Anthracite coal .....	"	—	—	—
Lignite coal .....	"	—	—	—
Coke .....	"	—	—	—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	309,015	137,316	57
Fuel oil including kerosene or coal oil .....	"	2,592,580	1,981,814	185
Wood .....	cord	—	—	—
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	148	136,175	62
(b) Other manufactured gas .....	M cu. ft.	—	—	—
(c) Natural gas .....	"	40,780	83,506	41
Other fuel .....	...	1	—	—
Electricity purchased .....	kwh.	49,845,703	49,245,795	469
Steam purchased .....	...	40	...	29
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	14	...	14
3. All establishments:				
<b>Total fuel and electricity used .....</b>	<b>...</b>	<b>899</b>	<b>...</b>	<b>857</b>

<sup>1</sup> The difference between figures in Table 10 and those in Table 7 arises from firms reporting output of products on the basis of production rather than of shipments. Consequently, inventories of finished products for such respondents are not taken into account for purposes of compiling value added in Table 7. See also "Concepts and Definitions" for explanation of other variances.

TABLE 12. Materials and Supplies - Manufacturing Activity, 1963 and 1964

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Raw leaf tobacco, imported..... lb.	2,390,755	4,791	2,905,085	6,002
Raw leaf tobacco, domestic..... "	106,745,062	85,045	101,235,467	82,274
All other tobacco (including scraps and cuttings)..... "	6,315,795	628	10,307,375	1,882
Boxes, wooden and tin..... No.	17,431,260	1,395	13,174,883	1,090
Boxes, plastic..... "	995,888	156	959,020	151
Boxes, other..... "	...	8,200	...	8,814
Cigarette papers..... lb.	4,153,428	2,363	4,259,308	2,415
Lead, tin and aluminum foil..... "	12,359,031	5,000	11,235,812	6,101
Cellophane..... "	3,791,080	2,937	4,429,272	3,144
Other containers, wrappers, labels, bands, etc.....	...	7,962	...	8,436
Filter tips and filter tip materials.....	...	6,485	...	6,966
All other materials and components used <sup>1</sup> .....	...	1,489	...	1,412
2. Containers and other packaging materials and supplies used.....	...	2	...	2
3. Operating, maintenance and repair supplies used (excluding fuel).....	...	2,557	...	3,183
4. Amount paid out to others for work done on materials owned by establishments.....	...	88	...	311
<b>Totals.....</b>	<b>...</b>	<b>129,074</b>	<b>...</b>	<b>132,160</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 \$414,932 in 1963 and \$403,020 in 1964.

<sup>2</sup> Included with "Other containers, wrappers, labels, band, etc."

TABLE 12 A. Distribution of Raw Leaf Tobacco Reported in Table 12, 1963 and 1964

	Raw leaf tobacco used in the manufacture of							
	Cigars		Cigarettes		Tobacco and snuff		Total	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	lb.	\$'000	lb.	\$'000	lb.	\$'000	lb.	\$'000
1963								
Imported raw leaf tobacco.....	1,318,010	3,646	1,037,857	1,118	34,888	27	2,390,755	4,791
Domestic raw leaf tobacco.....	3,719,100	3,455	83,973,151	67,679	19,052,811	13,912	106,745,062	85,045
<b>Total raw leaf tobacco (stemmed weight).....</b>	<b>5,037,110</b>	<b>7,101</b>	<b>85,011,008</b>	<b>68,797</b>	<b>19,087,699</b>	<b>13,939</b>	<b>109,135,817</b>	<b>89,836</b>
1964								
Imported raw leaf tobacco.....	1,788,384	4,936	904,800	877	211,901	190	2,905,085	6,002
Domestic raw leaf tobacco.....	4,741,036	4,554	80,964,098	65,828	15,530,333	11,892	101,235,467	82,274
<b>Total raw leaf tobacco (stemmed weight).....</b>	<b>6,529,420</b>	<b>9,490</b>	<b>81,868,898</b>	<b>66,705</b>	<b>15,742,234</b>	<b>12,082</b>	<b>104,140,552</b>	<b>88,276</b>

TABLE 13. Shipments of Goods of Own Manufacture, 1963 and 1964

Description	1963		1964	
	Quantity	Value	Quantity	Value
		\$'000		\$'000
1. Products:				
Chewing tobacco:				
Plug.....	1	1	—	—
Twist.....	1	1	—	—
Smoking tobacco:				
Plug..... lb.	1	1	1	1
Pine plug.....	1	1	16,507,003	46,624
Coarse cut.....	1	1	2,171,848	6,083
Leaf.....	1	1	1	1
Snuff.....	1	1	1	1
Cigars..... M	393,004	26,067	476,947	31,272
Cigarettes..... "	40,101,563	588,604	40,784,107	602,841
All other products.....	...	63,339	...	5,006
2. Amount received in payment for work done on materials and products owned by others....	...	—	...	—
Less adjustment for value of salestaxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above....	...	(432,676)	...	(440,894)
Net adjustment for establishments receiving progress payments.....	...	—	...	—
<b>Total adjusted value of shipments and work done.....</b>	<b>...</b>	<b>245,333</b>	<b>...</b>	<b>250,934</b>

<sup>1</sup> Confidential; included in "all other products".



TABLE 13. Shipments of Selected Items, Specified Years, 1929-64

	Cigars		Cigarettes		Tobacco, chewing	
	Quantity	Value <sup>1</sup>	Quantity	Value <sup>1</sup>	Quantity	Value <sup>1</sup>
	M	\$'000	M	\$'000	M	\$'000
1929	191,041	9,997	4,966,612	49,259	4,759,942	4,301
1933	112,030	4,731	4,310,305	34,878	3,062,849	2,766
1937	129,673	5,857	6,724,333	52,138	2,807,973	2,360
1939	135,625	5,411	7,163,433	57,277	2,577,890	2,185
1941	196,724	7,300	9,548,466	86,653	2,451,738	2,396
1943	200,370	9,666	13,591,320	155,931	2,927,050	3,660
1944	198,512	10,471	15,484,605	171,002	2,785,693	3,620
1945	207,861	11,715	17,684,707	207,613	2,803,753	3,641
1947	214,745	14,082	15,587,127	220,649	2,382,245	3,604
1948	210,335	14,453	16,071,779	240,838	2,044,952	3,184
1949	207,213	15,539	17,053,442	255,714	2,029,263	3,299
1950	198,987	14,467	17,311,062	266,821	1,762,551	3,010
1951	169,408	13,897	15,816,166	261,910	1,598,922	3,268
1952	201,517	15,487	18,037,368	290,948	1,445,139	3,232
1953	236,248	18,233	21,156,092	289,425	1,448,105	3,253
1954	240,520	17,926	22,425,791	303,662	1,307,367	3,260
1955	257,233	19,360	24,864,332	332,012	1,306,976	3,042
1956	260,900	19,723	27,343,996	366,114	1,042,444	2,624
1957	283,706	20,442	20,394,572	407,237	932,412 <sup>r</sup>	2,317
1958	319,595	22,518	32,777,573	439,367	1,109,709	2,744
1959	313,472	23,014	34,273,048	493,911	1,037,648	2,541
1960	328,688	22,662	34,698,794	509,689	x	x
1961	335,129	23,183	36,900,365	540,979	x	x
1962	354,038	24,287	39,160,318	574,649	x	x
1963	393,004	26,068	40,101,563	588,604	x	x
1964	476,949	31,272	40,784,107	602,841	-	-
	Tobacco, smoking		Snuff			
	Quantity	Value <sup>1</sup>	Quantity	Value <sup>1</sup>		
	pounds	\$'000	pounds	\$'000		
1929	15,930,657 <sup>r</sup>	18,521 <sup>r</sup>	997,078	1,281		
1933	19,920,925	20,834	756,079	1,014		
1937	22,439,360	22,608	828,473	1,130		
1939	24,709,819	24,498	836,955	1,149		
1941	26,019,604	29,251	695,802	1,313		
1943	24,806,718	35,536	941,740	1,796		
1944	24,263,076	36,098	980,780	1,948		
1945	26,234,568	39,123	978,389	1,961		
1947	25,404,039	42,966	977,700	2,074		
1948	26,337,329	46,607	992,359	2,109		
1949	26,202,733	47,313	958,164	2,058		
1950	26,794,763	50,864	947,592	2,039		
1951	28,095,415	65,327	873,652	2,216		
1952	31,635,023	77,789	869,863	2,299		
1953	26,658,760	65,716	334,251	2,162		
1954	25,124,638	62,604	852,954	2,211		
1955	24,149,936	59,999	838,292	2,194		
1956	21,586,083	53,655	825,446	2,136		
1957	20,654,727 <sup>r</sup>	52,083 <sup>r</sup>	798,003	2,065		
1958	21,608,808	55,771	x	x		
1959	22,134,074	58,733	x	x		
1960	22,089,389	59,308	x	x		
1961	22,430,781	62,784	x	x		
1962	x	x	x	x		
1963	x	x	x	x		
1964	x	x	x	x		

<sup>1</sup> Selling values given in this table include excise duties and sales tax.

**List of Establishments classified to This Industry, 1964**

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

Name	Location
<b>Quebec:</b>	
Allied Cigar Corporation .....	2355 Jeanne d'Arc Ave., Montreal
Benson & Hedges (Canada) Ltd. ....	161 Lagauchetière St. W., Montreal
Canadian Tobacofina Ltd. ....	5555 Royalmount Ave., Town of Mount Royal
Capuano & Pasquale Company Ltd. ....	1002 Rosemont Blvd., Montreal
Forest, J.O. et Cie. Enr. ....	St-Roch de l'Achigan
General Cigar Co. Limited .....	2275 Holt St., Montreal
Houde, B. & Grothé Limited .....	1035 Vincent Massey Street, Quebec
Imperial Tobacco Co. of Canada Ltd. ....	3710 St. Antoine St., Montreal
Imperial Tobacco Co. of Canada Ltd. ....	160 Cowie Street, Granby
MacDonald Tobacco Inc. ....	2455 Ontario St. E., Montreal
National Tobacco Company, Limited .....	3810 St. Antoine St., Montreal
Rothmans of Pall Mall Canada Ltd. ....	180 Crown St., Quebec
Simon Cigar Co. Ltd. ....	700 Hodge St., St. Laurent
Tabacs Trans-Canada Ltée .....	2359, rue Demontigny, Montreal
<b>Ontario:</b>	
Benson & Hedges (Canada) Ltd. ....	174 Kennedy Rd., Brampton
Imperial Tobacco Co., (Ontario) Ltd. ....	107 Woodlawn Ave., Guelph
Lopez, J.A. ....	392 King St. E., Toronto
Miller, K.A. & Son Cigar Co. ....	443 King St. W., Toronto
Ontario Tobacco Company Limited and King Edward Cigar Co. of Canada ....	76 Stafford Street, Toronto
Rothmans of Pall Mall Canada Ltd. ....	75 Dufflaw Rd., Toronto
Tuckett Tobacco Company Ltd., The .....	145 Queen St. N., Hamilton



SECTION 2. LEAF TOBACCO PROCESSORS

TABLE 1. Principal Statistics, 1961-64

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 .....	16	1,384	2,819	3,745	324	84,122	105,027	19,405	-	-	1,651	5,350	19,515
1962													
Totals .....	17	1,795	3,475	4,731	462	84,064	104,448	13,099	-	-	2,056	6,346	13,074
1963													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	6	196	381	580	69	4,866	8,140	3,656	-	-	232	736	3,658
Ontario .....	11	1,723	3,488	4,666	436	87,055	102,508	13,983	-	-	1,932	6,065	14,301
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	17	1,919	3,869	5,246	505	91,921	110,648	17,638	-	-	2,164	6,800	17,959
1964													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	7	191	419	664	71	4,410	6,292	2,113	-	-	230	825	2,124
Ontario .....	11	1,440	2,873	3,965	381	82,306	91,585	12,816	-	-	1,681	5,548	13,650
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	18	1,631	3,292	4,629	452	86,716	97,877	14,929	-	-	1,911	6,374	15,774

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1963 and 1964

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>1963</b>													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999 .....	4	55	106	119	22	517	846	461	—	—	70	159	472
200,000 " 499,999 .....		—	—	—	—	—	—	—	—	—	—	—	—
500,000 " 999,999 .....		3	175	340	16	1,157	2,533	983	—	—	185	477	1,057
1,000,000 " 4,999,999 .....	3	419	846	1,057	75	5,206	8,888	3,708	—	—	468	1,354	3,714
5,000,000 and over .....	7	1,270	2,576	3,660	391	65,042	98,381	12,486	—	—	1,441	4,810	12,716
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>17</b>	<b>1,919</b>	<b>3,869</b>	<b>5,246</b>	<b>505</b>	<b>91,921</b>	<b>110,648</b>	<b>17,638</b>	<b>—</b>	<b>—</b>	<b>2,164</b>	<b>6,800</b>	<b>17,959</b>
<b>1964</b>													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999 .....	5	70	134	163	20	921	862	267	—	—	90	242	289
50,000 " 99,999 .....		—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999 .....		—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999 .....	3	93	229	247	18	1,590	1,846	466	—	—	101	288	518
500,000 " 999,999 .....		4	442	888	119	7,377	11,762	3,894	—	—	504	1,701	4,092
1,000,000 " 4,999,999 .....		6	1,026	2,041	294	76,829	83,407	10,303	—	—	1,216	4,142	10,875
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>18</b>	<b>1,631</b>	<b>3,292</b>	<b>4,629</b>	<b>452</b>	<b>86,716</b>	<b>97,877</b>	<b>14,929</b>	<b>—</b>	<b>—</b>	<b>1,911</b>	<b>6,374</b>	<b>15,774</b>

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1963 and 1964

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>1963</b>													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	4	36	73	82	15	1,106	1,284	199	—	—	54	130	209
25,000 " 49,999 .....		—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999 .....		—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999 .....	4	254	499	596	27	1,497	3,527	1,770	—	—	268	684	1,843
200,000 " 499,999 .....		—	—	—	—	—	—	—	—	—	—	—	—
500,000 " 999,999 .....		9	1,629	3,297	463	89,318	105,837	15,670	—	—	1,842	5,986	15,908
1,000,000 " 4,999,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>17</b>	<b>1,919</b>	<b>3,869</b>	<b>5,246</b>	<b>505</b>	<b>91,921</b>	<b>110,648</b>	<b>17,638</b>	<b>—</b>	<b>—</b>	<b>2,164</b>	<b>6,800</b>	<b>17,959</b>
<b>1964</b>													
Under \$10,000 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999 .....	4	43	82	102	15	652	567	136	—	—	62	170	157
25,000 " 49,999 .....		—	—	—	—	—	—	—	—	—	—	—	—
50,000 " 99,999 .....		3	56	116	18	1,595	1,637	334	—	—	62	166	333
100,000 " 199,999 .....	4	395	839	1,005	63	10,716	15,796	2,461	—	—	445	1,409	2,510
200,000 " 499,999 .....		—	—	—	—	—	—	—	—	—	—	—	—
500,000 " 999,999 .....		7	1,137	2,255	355	73,753	79,877	11,999	—	—	1,342	4,629	12,774
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>1,631</b>	<b>3,292</b>	<b>4,629</b>	<b>452</b>	<b>86,716</b>	<b>97,877</b>	<b>14,929</b>	<b>—</b>	<b>—</b>	<b>1,911</b>	<b>6,374</b>	<b>15,774</b>

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1963 and 1964

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>1963</b>													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	4	36	73	82	15	1,106	1,284	199	-	-	54	130	209
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
200,000 " 499,999 .....	4	254	499	596	27	1,497	3,527	1,770	-	-	268	684	1,843
500,000 " 999,999 .....													
1,000,000 " 4,999,999 .....	9	1,629	3,297	4,568	463	69,318	105,837	15,670	-	-	1,842	5,986	15,908
5,000,000 and over .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>17</b>	<b>1,919</b>	<b>3,869</b>	<b>5,246</b>	<b>505</b>	<b>91,921</b>	<b>110,648</b>	<b>17,638</b>	<b>-</b>	<b>-</b>	<b>2,164</b>	<b>6,800</b>	<b>17,959</b>
<b>1964</b>													
Under \$10,000 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999 .....	3	27	52	70	12	417	285	92	-	-	39	124	101
25,000 " 49,999 .....													
50,000 " 99,999 .....													
100,000 " 199,999 .....	4	72	146	175	21	1,830	1,919	377	-	-	85	212	389
200,000 " 499,999 .....													
500,000 " 999,999 .....	4	395	839	1,005	63	10,716	15,796	2,461	-	-	445	1,409	2,510
1,000,000 " 4,999,999 .....	7	1,137	2,255	3,379	355	73,753	79,877	11,999	-	-	1,342	4,629	12,774
5,000,000 and over .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>18</b>	<b>1,631</b>	<b>3,292</b>	<b>4,629</b>	<b>452</b>	<b>86,716</b>	<b>97,877</b>	<b>14,929</b>	<b>-</b>	<b>-</b>	<b>1,911</b>	<b>6,374</b>	<b>15,774</b>

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1963 and 1964

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>1963</b>													
Under 5 employed .....	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 14 employed .....	5	63	125	144	25	1,152	1,534	561	-	-	82	202	572
15 - 49 " .....													
50 - 99 " .....													
100 - 199 " .....	3	194	370	593	53	4,387	8,245	3,426	-	-	218	739	3,418
200 - 499 " .....	4	551	1,167	1,536	136	23,223	27,255	3,931	-	-	605	1,861	4,001
500 employed and over .....	5	1,111	2,206	2,974	290	63,160	73,613	9,720	-	-	1,259	3,998	9,969
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>17</b>	<b>1,919</b>	<b>3,869</b>	<b>5,246</b>	<b>505</b>	<b>91,921</b>	<b>110,648</b>	<b>17,638</b>	<b>-</b>	<b>-</b>	<b>2,164</b>	<b>6,800</b>	<b>17,959</b>
<b>1964</b>													
Under 5 employed .....	-	-	-	-	-	-	-	-	-	-	-	-	-
5 - 14 employed .....	10	277	632	899	82	5,446	7,396	2,499	-	-	325	1,135	2,572
15 - 49 " .....													
50 - 99 " .....													
100 - 199 " .....	5	748	1,473	2,135	226	48,914	58,970	7,420	-	-	881	3,100	7,682
200 - 499 " .....	3	606	1,187	1,595	143	32,357	31,512	5,010	-	-	705	2,139	5,520
500 employed and over .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>18</b>	<b>1,631</b>	<b>3,292</b>	<b>4,629</b>	<b>452</b>	<b>86,716</b>	<b>97,877</b>	<b>14,929</b>	<b>-</b>	<b>-</b>	<b>1,911</b>	<b>6,374</b>	<b>15,774</b>

TABLE 6. Principal Statistics classified by Type of Organization, 1963 and 1964

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	
<b>1963</b>													
Individual ownerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Partnerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Incorporated companies .....	15	1,919	3,869	5,246	505	91,921	110,648	17,638	...	...	2,164	6,800	17,959
Co-operatives .....	2												
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b> .....	<b>17</b>	<b>1,919</b>	<b>3,869</b>	<b>5,246</b>	<b>505</b>	<b>91,921</b>	<b>110,648</b>	<b>17,638</b>	<b>-</b>	<b>-</b>	<b>2,164</b>	<b>6,800</b>	<b>17,959</b>
<b>1964</b>													
Individual ownerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Partnerships .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Incorporated companies .....	16	1,631	3,292	4,629	452	86,716	97,877	14,929	...	...	1,911	6,374	15,774
Co-operatives .....	2												
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b> .....	<b>18</b>	<b>1,631</b>	<b>3,292</b>	<b>4,629</b>	<b>452</b>	<b>86,716</b>	<b>97,877</b>	<b>14,929</b>	<b>-</b>	<b>-</b>	<b>1,911</b>	<b>6,374</b>	<b>15,774</b>

TABLE 7. Calculation of Output, Input and Value Added, 1963 and 1964

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1963	1964	1963	1964	1963	1964
\$'000						
<b>Output</b>						
1. Shipments and other revenue .....	110,648	97,877	1,357	1,550	112,005	99,427
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	935	2,506	...	...	935	2,506
Finished goods .....	90,782	87,518	...	...	90,782	87,518
Deduct opening—Goods in process .....	690	779	...	...	690	779
Finished goods .....	91,611	85,025	...	...	91,611	85,025
2. Net inventory change .....	(584)	4,220	...	...	(584)	4,220
3. Gross output (1 + 2) .....	110,064	102,097	1,357	1,550	111,421	103,647
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	1,017	543	1,017	543
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	18	71	18	71
Deduct closing .....	...	...	71	77	71	77
5. Cost of goods sold (not of own manufacture) .....	...	...	964	537	964	537
6. Materials, supplies, etc. ....	91,921	86,716	72	168	91,993	86,884
7. Fuel and electricity .....	505	452	...	...	505	452
8. Gross input (5 + 6 + 7) .....	92,426	87,168	1,036	705	93,462	87,873
Value added (3 - 8) .....	17,638	14,929	321	845	17,959	15,774



TABLE 8. Employment and Payroll, 1963 and 1964

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 distrib- ution	Total
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
number										\$'000					
1963															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	170	26	1	-	24	7	4	-	199	33	580	2	146	7	736
Ontario .....	1,116	607	-	-	176	33	-	-	1,292	640	4,666	-	1,399	-	6,065
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	1,286	633	1	-	200	40	4	-	1,491	673	5,246	2	1,545	7	6,800
1964															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	165	26	1	-	26	6	6	-	198	32	664	3	150	8	825
Ontario .....	914	526	25	13	171	32	-	-	1,110	571	3,965	67	1,516	-	6,548
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	1,079	552	26	13	197	38	6	-	1,308	603	4,629	70	1,667	8	6,374

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1963 and 1964

Month	1963		1964	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January .....	2,271	1,034	2,024	1,408
February .....	2,650	1,416	1,818	1,139
March .....	2,329	1,455	1,516	723
April .....	1,909	1,195	1,380	867
May .....	746	246	901	490
June .....	493	81	381	25
July .....	397	21	399	13
August .....	420	20	372	18
September .....	472	20	453	24
October .....	469	31	443	36
November .....	1,559	1,016	1,625	1,063
December .....	1,707	1,035	1,624	842
Averages .....	1,286	633	1,079	552
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
Average for all establishments .....	1,286	633	1,079	552



TABLE 10. Inventories, 1964

Provinces	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 .....	2,359	132	659	3,151	—	3,151
Ontario .....	1,078	646	84,366	86,090	71	86,161
Manitoba .....	—	—	—	—	—	—
Saskatchewan .....	—	—	—	—	—	—
Alberta .....	—	—	—	—	—	—
British Columbia .....	—	—	—	—	—	—
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	3,437	779	85,025	89,241	71	89,312
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—
New Brunswick .....	—	—	—	—	—	—
Quebec .....	2,786	144	949	3,879	1	3,881
Ontario .....	705	2,361	86,570	89,636	76	89,712
Manitoba .....	—	—	—	—	—	—
Saskatchewan .....	—	—	—	—	—	—
Alberta .....	—	—	—	—	—	—
British Columbia .....	—	—	—	—	—	—
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	3,491	2,506	87,518	93,515	77	93,593

TABLE 11. Purchased Fuel and Electricity Used in Manufacturing Activity, 1963 and 1964

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines .....	ton	253	178	3
(b) Imported .....	"	5,028	4,174	59
Sub-bituminous coal (from Alberta mines only) .....	"	-	-	-
Anthracite coal .....	"	471	453	8
Lignite coal .....	"	-	-	-
Coke .....	"	-	-	-
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	56,612	71,225	28
Fuel oil including kerosene or coal oil .....	"	1,822,551	1,753,721	149
Wood .....	cord	12	15	--
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal.	30,439	30,056	7
(b) Other manufactured gas .....	M cu. ft.	-	-	-
(c) Natural gas .....	"	45,867	8,604	7
Other fuel .....	"	...	...	-
Electricity purchased .....	kwh.	16,058,902	14,237,692	191
Steam purchased .....	"	...	...	-
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	"	-	...	-
3. All establishments:				
<b>Total fuel and electricity used</b> .....	"	<b>505</b>	<b>...</b>	<b>452</b>

TABLE 12. Materials and Supplies - Manufacturing Activity, 1963 and 1964

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
	lb. (green weight)	\$'000	lb. (green weight)	\$'000
1. Materials used:				
Bright, flue-cured .....	155,873,193	81,349	160,638,369	76,702
Burley .....	8,938,034	3,646	8,856,791	3,525
Dark, air-cured and fire-cured .....	1,166,730	422	1,256,645	410
Cigar leaf .....	7,317,497	4,524	8,591,352	3,553
Pipe varieties .....	127,415	28	149,484	30
All other tobacco .....	17,992.0	-	17,992.0	-
Tobacco for custom work:				
Bright, flue-cured .....	45,281,109	...	37,948,393	...
Burley .....	-	...	-	...
Pipe varieties .....	-	...	84,145	...
All other materials and components used .....	...	-	...	426
2. Containers and other packaging materials and supplies used .....	...	1,481	...	1,444
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	470	...	581
4. Amount paid out to others for work done on materials owned by establishments .....	...	1	...	45
Totals .....	...	91,921	...	86,716

TABLE 13. Shipments of Goods of Own Manufacture, 1963 and 1964

Description	1963		1964	
	Quantity	Value	Quantity	Value
	lb. (redried weight)	\$'000	lb. (redried weight)	\$'000
1. Products:				
Bright, flue-cured .....	135,854,950	95,239	129,800,256	85,564
Burley .....	14,399,473	12,261	17,295,584	10,137
Dark, air-cured and fire-cured .....				
Cigar leaf .....				
Pipe varieties .....				
All other tobacco .....	36,502,641	...	28,724,394	...
Tobacco processed for others:				
Bright, flue-cured .....	-	...	-	...
Burley .....	-	...	75,730	...
Pipe varieties .....	-	...	-	...
All other products .....	...	-	...	281
2. Amount received in payment for work done on materials and products owned by others .....	...	3,158	...	1,998
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(10)	...	(104)
Net adjustment for establishments receiving progress payments .....	...	-	...	-
Total adjusted value of shipments and work done .....	...	110,648	...	97,877

**List of Establishments classified to This Industry, 1964**

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

Name	Location
<b>Quebec:</b>	
Benson & Hedges (Canada) limited .....	605 Main St., Farnham
Imperial Tobacco Co. of Canada, Limited .....	289 Dugas St., Joliette
Jones, F.H., Tobacco Sales Co., Ltd. ....	295 Hélène Boulé St., Joliette
Prévost, O. Limitée .....	St. Charles de Bellechasse
Simon Cigar Co. of Quebec Ltd. ....	Ste. Therese de Blainville
Société Co-Opérative Agricole de la Vallée d'Yamaska, La .....	St. Césaire
Société Co-Opérative Agricole de Tabac du District de Joliette, La .....	St-Jacques de Montcalm
<b>Ontario:</b>	
British Leaf Tobacco Co. of Canada Limited .....	235 Patteson Ave., Chatham
Canadian Leaf Tobacco Co. Limited .....	Dover & St. Clair Sts., Chatham
Canadian Leaf Tobacco Co. Limited .....	Middleton Township
Canadian Leaf Tobacco Co. Limited .....	Tillsonburg
Consolidated Leaf Tobacco Co. Limited .....	Kingsville
Delta Leaf Tobacco Co. Ltd. ....	Kingsville
Dibrell Brothers Inc. ....	Oak St., Leamington
Hodge Tobacco Co. of Canada, Limited .....	Kingsville
Imperial Leaf Tobacco Co. of Canada, Limited .....	Aylmer and Delhi
Simcoe Leaf Tobacco Company Limited .....	2nd Ave. Simcoe
Ontario Flue-cured Tobacco Growers' Co-operative Limited .....	Kingsville

# 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 56 (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 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 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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