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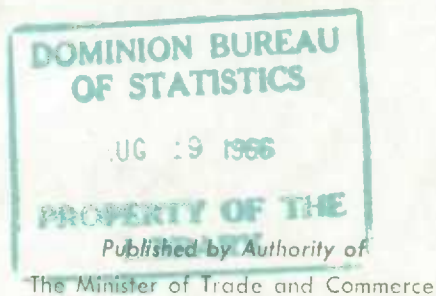
ANNUAL



# CANVAS PRODUCTS INDUSTRY

## 1964

ANNUAL CENSUS  
OF MANUFACTURES



DOMINION BUREAU OF STATISTICS  
Industry Division

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## CANVAS PRODUCTS INDUSTRY

1964

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 awnings, tents, sails, tarpaulins, canopies and bags made from canvas fabric".

Tables 12 and 13, respectively, show in detail the materials used in manufacturing and the shipments of goods of own manufacture. Table 14 shows the shipments of selected commodities by all industries for the years 1963 and 1964. Since practically all tents in Canada are made by manufacturers classified to this industry, this commodity has not been included in Table 14, but only shown in Table 13. Instead, the all-industry shipments of "Sleeping bags, all types" and of "Life saving equipment", both important secondary products of this industry, have been presented in Table 14.

A list of the establishments classified to the industry in the 1964 survey will be found at the end of this report.

### **SYMBOLS**

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

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

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 .....	131	1,247	2,594	3,025	170	9,391	17,791	8,172	90	334	1,666	4,806	8,460
1962													
Totals .....	134	1,326	2,769	3,259	183	10,623	19,279	8,608	80	306	1,763	5,233	9,013
1963													
Newfoundland .....	1	x	x	x	—	x	x	x	x	x	x	x	x
Prince Edward Island .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia .....	4	16	31	45	4	103	218	115	4	11	21	63	118
New Brunswick .....	2	x	x	x	x	x	x	x	x	x	x	x	x
Quebec .....	30	424	921	1,045	61	3,150	6,030	2,768	16	68	553	1,726	2,835
Ontario .....	72	641	1,346	1,650	95	5,787	10,161	4,266	51	185	842	2,469	4,558
Manitoba .....	11	58	112	127	11	460	838	379	7	21	78	232	394
Saskatchewan .....	3	x	x	x	x	x	x	x	x	x	x	x	x
Alberta .....	7	65	127	178	9	650	1,252	591	3	34	93	280	609
British Columbia .....	13	142	292	426	21	916	2,030	1,118	9	35	206	710	1,211
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals .....	143	1,357	2,849	3,501	203	11,120	20,699	9,333	95	367	1,867	5,519	9,825
1964													
Newfoundland .....	1	x	x	x	x	x	x	x	x	x	x	x	x
Prince Edward Island .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Nova Scotia .....	3	x	x	x	x	x	x	x	x	x	x	x	x
New Brunswick .....	2	x	x	x	x	x	x	x	x	x	x	x	x
Quebec .....	28	459	982	1,150	64	3,388	6,300	3,099	17	82	594	1,840	3,228
Ontario .....	69	676	1,412	1,809	98	6,410	10,536	4,268	42	175	876	2,680	4,591
Manitoba .....	11	55	106	127	9	460	848	384	6	20	78	236	396
Saskatchewan .....	3	x	x	x	x	x	x	x	x	x	x	x	x
Alberta .....	7	76	148	204	11	804	1,428	618	3	29	105	308	632
British Columbia .....	15	151	302	445	23	1,080	2,217	1,167	9	38	206	705	1,218
Yukon and Northwest Territories	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals .....	139	1,447	3,011	3,818	211	12,313	21,705	9,734	85	369	1,898	5,886	10,274



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 .....	18	5	7	6	1	40	104	64	17	32	6	8	65
\$ 10,000 to \$ 24,999 .....	22	22	47	49	5	172	366	188	24	66	24	55	189
25,000 " 49,999 .....	34	107	216	249	20	567	1,281	723	33	151	135	343	771
50,000 " 99,999 .....	25	136	291	395	26	763	1,721	951	17	76	194	591	976
100,000 " 199,999 .....	23	242	494	679	48	1,435	3,100	1,619	2	11	335	1,092	1,837
200,000 " 499,999 .....	12	230	477	609	37	2,109	3,805	1,659	2	30	324	1,048	1,737
500,000 " 999,999 .....	5	196	411	471	34	2,043	3,233	1,191	—	—	247	674	1,269
1,000,000 " 4,999,999 .....	4	419	906	1,043	32	3,991	7,090	2,937	—	—	542	1,709	2,981
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>143</b>	<b>1,357</b>	<b>2,849</b>	<b>3,501</b>	<b>203</b>	<b>11,120</b>	<b>20,699</b>	<b>9,333</b>	<b>95</b>	<b>367</b>	<b>1,807</b>	<b>5,519</b>	<b>9,825</b>
<b>1964</b>													
Under \$10,000 .....	21	3	8	10	—	57	147	89	18	49	7	16	97
\$ 10,000 to \$ 24,999 .....	18	21	42	50	4	161	322	155	15	46	28	62	156
25,000 " 49,999 .....	35	98	201	246	19	559	1,318	736	27	133	128	354	774
50,000 " 99,999 .....	21	123	263	336	28	643	1,508	882	22	108	151	441	911
100,000 " 199,999 .....	24	252	505	704	43	1,370	3,140	1,720	3	33	349	1,136	1,859
200,000 " 499,999 .....	9	168	335	482	32	1,352	2,736	1,370	—	—	253	911	1,427
500,000 " 999,999 .....	6	226	483	629	44	2,599	4,081	1,423	—	—	296	912	1,570
1,000,000 " 4,999,999 .....	5	556	1,173	1,361	40	5,573	8,454	3,358	—	—	686	2,054	3,480
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>139</b>	<b>1,447</b>	<b>3,011</b>	<b>3,818</b>	<b>211</b>	<b>12,313</b>	<b>21,705</b>	<b>9,734</b>	<b>85</b>	<b>369</b>	<b>1,898</b>	<b>5,886</b>	<b>10,274</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 .....	37	22	42	45	7	216	436	213	40	91	24	50	217
\$ 10,000 to \$ 24,999 .....	28	71	145	175	13	459	962	488	24	112	88	237	527
25,000 " 49,999 .....	32	163	339	442	30	904	1,955	1,064	24	109	228	665	1,170
50,000 " 99,999 .....	24	239	497	649	41	1,416	3,122	1,676	5	25	331	1,052	1,801
100,000 " 199,999 .....	12	217	443	577	40	1,923	3,528	1,559	2	30	294	956	1,657
200,000 " 499,999 .....	7	288	633	698	45	2,991	4,795	1,819	—	—	370	1,033	1,889
500,000 " 999,999 .....	3	357	751	916	28	3,210	5,901	2,516	—	—	472	1,523	2,565
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>143</b>	<b>1,357</b>	<b>2,849</b>	<b>3,501</b>	<b>203</b>	<b>11,120</b>	<b>20,699</b>	<b>9,333</b>	<b>95</b>	<b>367</b>	<b>1,807</b>	<b>5,519</b>	<b>9,825</b>
<b>1964</b>													
Under \$10,000 .....	35	13	29	35	4	184	377	188	32	92	22	48	196
\$ 10,000 to \$ 24,999 .....	33	85	170	206	17	496	1,137	617	25	115	108	287	646
25,000 " 49,999 .....	23	112	236	311	22	731	1,520	771	20	91	147	427	832
50,000 " 99,999 .....	27	271	554	752	45	1,310	3,227	1,906	8	70	363	1,181	2,025
100,000 " 199,999 .....	11	208	403	556	38	1,994	3,649	1,584	—	—	291	1,003	1,750
200,000 " 499,999 .....	7	346	766	926	55	3,885	5,798	1,887	—	—	437	1,288	1,916
500,000 " 999,999 .....	3	412	852	1,033	29	3,711	5,997	2,781	—	—	530	1,653	2,910
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>139</b>	<b>1,447</b>	<b>3,011</b>	<b>3,818</b>	<b>211</b>	<b>12,313</b>	<b>21,705</b>	<b>9,734</b>	<b>85</b>	<b>369</b>	<b>1,898</b>	<b>5,886</b>	<b>10,274</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 .....	37	22	42	46	8	203	424	213	39	88	25	53	214
\$ 10,000 to \$ 24,999 .....	26	65	133	159	12	448	907	448	22	93	81	219	473
25,000 " 49,999 .....	31	145	300	384	26	833	1,793	977	24	119	190	537	1,004
50,000 " 99,999 .....	24	236	488	625	41	1,300	2,938	1,604	8	37	331	1,019	1,664
100,000 " 199,999 .....	15	244	503	674	45	2,135	3,940	1,757	2	30	338	1,136	2,016
200,000 " 499,999 .....	7	288	633	698	45	2,991	4,795	1,819	—	—	370	1,033	1,889
500,000 " 999,999 .....	3	357	751	916	28	3,210	5,901	2,516	—	—	472	1,523	2,565
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>143</b>	<b>1,357</b>	<b>2,849</b>	<b>3,501</b>	<b>203</b>	<b>11,120</b>	<b>20,699</b>	<b>9,333</b>	<b>95</b>	<b>367</b>	<b>1,807</b>	<b>5,519</b>	<b>9,825</b>
<b>1964</b>													
Under \$10,000 .....	34	13	29	35	4	183	369	182	31	83	22	48	182
\$ 10,000 to \$ 24,999 .....	31	76	152	181	14	453	1,023	551	22	101	97	254	577
25,000 " 49,999 .....	25	117	244	321	24	698	1,520	802	24	115	149	427	851
50,000 " 99,999 .....	27	264	542	745	49	1,307	3,232	1,913	8	70	361	1,174	1,949
100,000 " 199,999 .....	11	188	369	511	32	1,691	3,178	1,470	—	—	258	919	1,635
200,000 " 499,999 .....	8	377	822	993	59	4,270	6,386	2,036	—	—	481	1,413	2,170
500,000 " 999,999 .....	3	412	852	1,033	29	3,711	5,997	2,781	—	—	530	1,653	2,910
1,000,000 " 4,999,999 .....													
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>139</b>	<b>1,447</b>	<b>3,011</b>	<b>3,818</b>	<b>211</b>	<b>12,313</b>	<b>21,705</b>	<b>9,734</b>	<b>85</b>	<b>369</b>	<b>1,898</b>	<b>5,886</b>	<b>10,274</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 .....	60	68	135	162	14	612	1,268	645	61	192	79	198	677
5- 14 employed .....	49	284	596	772	53	1,668	3,643	1,969	30	134	382	1,146	2,029
15- 49 " .....	26	419	864	1,097	70	3,288	6,243	2,881	4	41	561	1,830	3,202
50- 99 " .....	5	229	504	554	39	2,342	3,645	1,322	—	—	293	822	1,353
100-199 " .....	3	357	751	916	27	3,210	5,901	2,516	—	—	472	1,523	2,565
200-499 " .....													
500 employed and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>143</b>	<b>1,357</b>	<b>2,849</b>	<b>3,501</b>	<b>203</b>	<b>11,120</b>	<b>20,699</b>	<b>9,333</b>	<b>95</b>	<b>367</b>	<b>1,807</b>	<b>5,519</b>	<b>9,825</b>
<b>1964</b>													
Under 5 employed .....	58	57	121	145	15	521	1,156	623	52	181	76	194	664
5- 14 employed .....	49	271	567	786	54	1,571	3,695	2,105	29	150	361	1,159	2,142
15- 49 " .....	24	432	853	1,164	72	3,397	6,336	2,872	4	38	564	1,912	3,173
50- 99 " .....	5	275	618	690	42	3,112	4,520	1,353	—	—	347	968	1,386
100-199 " .....	3	412	852	1,033	29	3,711	5,997	2,781	—	—	530	1,653	2,910
200-499 " .....													
500 employed and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>139</b>	<b>1,447</b>	<b>3,011</b>	<b>3,818</b>	<b>211</b>	<b>12,313</b>	<b>21,705</b>	<b>9,734</b>	<b>85</b>	<b>369</b>	<b>1,898</b>	<b>5,886</b>	<b>10,274</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 .....	52	141	290	338	21	772	1,599	841	49	172	158	385	878
Partnerships .....	23	67	135	172	13	423	1,075	659	46	195	76	198	678
Incorporated companies .....	68	1,149	2,425	2,991	169	9,924	18,025	7,833	...	...	1,573	4,936	8,269
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b> .....	<b>143</b>	<b>1,357</b>	<b>2,849</b>	<b>3,501</b>	<b>203</b>	<b>11,120</b>	<b>20,699</b>	<b>9,333</b>	<b>95</b>	<b>367</b>	<b>1,807</b>	<b>5,519</b>	<b>9,825</b>
<b>1964</b>													
Individual ownerships .....	53	124	258	331	21	779	1,660	860	48	189	141	376	911
Partnerships .....	19	83	176	231	21	688	1,489	817	37	180	104	302	823
Incorporated companies .....	67	1,240	2,577	3,257	169	10,846	18,556	8,057	...	...	1,653	5,208	8,541
Co-operatives .....	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b> .....	<b>139</b>	<b>1,447</b>	<b>3,011</b>	<b>3,818</b>	<b>211</b>	<b>12,313</b>	<b>21,705</b>	<b>9,734</b>	<b>85</b>	<b>369</b>	<b>1,898</b>	<b>5,886</b>	<b>10,274</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
<b>\$'000</b>						
<b>Output</b>						
1. Shipments and other revenue .....	20,699	21,705	1,982	2,224	22,681	23,929
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	551	678	...	...	551	678
Finished goods .....	1,653	1,803	...	...	1,653	1,803
Deduct opening—Goods in process .....	472	545	...	...	472	545
Finished goods .....	1,775	1,382	...	...	1,775	1,382
2. Net inventory change .....	(43)	554	...	...	(43)	554
3. Gross output (1 + 2) .....	20,656	22,259	1,982	2,224	22,638	24,483
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	1,428	1,667	1,428	1,667
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	291	274	291	274
Deduct closing .....	...	...	321	353	321	353
5. Cost of goods sold (not of own manufacture) .....	...	...	1,398	1,588	1,398	1,588
6. Materials, supplies, etc. ....	11,120	12,313	92	95	11,212	12,408
7. Fuel and electricity .....	203	211	...	...	203	211
8. Gross input (5 + 6 + 7) .....	11,323	12,524	1,490	1,680	12,813	14,207
<b>Value added (3 - 8) .....</b>	<b>9,333</b>	<b>9,734</b>	<b>492</b>	<b>541</b>	<b>9,825</b>	<b>10,274</b>



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 distrib- ution	Total
	Manufacturing		Other												
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
number										\$'000					
1963															
Newfoundland	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	8	8	-	-	3	2	-	-	11	10	45	-	18	-	63
New Brunswick	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Quebec	213	211	-	-	59	30	40	-	312	241	1,045	-	452	229	1,726
Ontario	307	334	-	-	79	63	54	5	440	402	1,650	-	591	228	2,469
Manitoba	17	41	-	-	10	7	1	2	28	50	127	-	94	10	232
Saskatchewan	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Alberta	26	39	-	-	13	8	7	-	46	47	178	-	76	26	280
British Columbia	44	98	-	-	18	16	30	-	92	114	426	-	157	127	710
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	625	732	-	-	183	128	132	7	940	867	3,501	-	1,398	620	5,519
1964															
Newfoundland	x	-	-	-	-	-	-	-	x	-	x	-	-	-	x
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
New Brunswick	x	-	-	-	-	x	-	-	x	x	x	-	x	-	x
Quebec	213	246	-	-	56	38	40	1	309	285	1,150	-	436	252	1,840
Ontario	336	340	-	-	69	70	37	4	462	414	1,809	-	680	191	2,680
Manitoba	19	36	-	-	10	12	1	-	30	48	127	-	101	9	236
Saskatchewan	x	x	-	-	x	x	-	-	x	x	x	-	x	-	x
Alberta	38	38	-	-	10	11	8	-	56	49	204	-	83	22	308
British Columbia	50	101	-	-	14	15	26	-	90	116	445	-	131	129	705
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	676	771	-	-	184	150	112	5	972	926	3,818	-	1,465	603	5,886

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	483	669	552	651
February	479	692	557	688
March	501	740	560	752
April	551	758	590	781
May	584	786	638	784
June	607	780	657	780
July	554	723	651	761
August	532	626	591	701
September	500	576	560	689
October	511	587	578	688
November	507	596	572	685
December	533	627	577	634
Averages	529	684	599	721
Establishments reporting annual averages (small establishments only)	96	48	77	50
Average for all establishments	625	732	676	771

TABLE 10. Inventories, 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 .....	x	x	x	x	—	x
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	x	x	x	x	—	x
New Brunswick .....	x	—	x	x	—	x
Quebec .....	644	203	375	1,222	50	1,272
Ontario .....	1,681	234	685	2,600	117	2,717
Manitoba .....	213	27	63	303	18	321
Saskatchewan .....	x	—	x	x	—	x
Alberta .....	200	3	31	235	14	249
British Columbia .....	448	73	221	742	75	818
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	3,226	545	1,382	5,153	274	5,427
Closing:						
Newfoundland .....	x	x	x	x	—	x
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	x	x	x	x	—	x
New Brunswick .....	x	—	x	x	—	x
Quebec .....	668	252	577	1,496	100	1,596
Ontario .....	1,957	310	849	3,116	138	3,254
Manitoba .....	200	26	70	296	15	311
Saskatchewan .....	x	—	x	x	—	x
Alberta .....	228	5	35	268	16	283
British Columbia .....	440	80	266	786	83	869
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	3,526	678	1,803	6,006	353	6,359

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 545	6	95	1
(b) Imported .....	" 28	1	499	6
Sub-bituminous coal (from Alberta mines only) .....	" —	—	—	—
Anthracite coal .....	" 79	2	38	1
Lignite coal .....	" —	—	—	—
Coke .....	" —	—	—	—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal. 137,685	59	158,614	66
Fuel oil including kerosene or coal oil .....	" 272,911	42	233,169	37
Wood .....	cord —	—	—	—
Gas:				
(a) Liquefied petroleum gases .....	Imp. gal. —	—	—	—
(b) Other manufactured gas .....	M cu. ft. —	—	—	—
(c) Natural gas .....	" 18,485	11	11,331	10
Other fuel .....	... —	—	...	—
Electricity purchased .....	kwh. 2,751,445	56	3,135,777	64
Steam purchased .....	... —	—	...	—
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	... —	27	...	26
3. All establishments:				
<b>Total fuel and electricity used</b> .....	... —	<b>203</b>	... —	<b>211</b>

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

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Awning fabric:				
(a) Plain .....	sq. yd. 187,863	193	146,818	164
(b) Woven .....	" 103,963	97	56,930	85
(c) Painted .....	" 145,875	165	172,823	201
Canvas and duck .....	" 8,768,945	4,204	6,043,789	4,851
Denim .....	" 43,966	24	84,025	36
Drill .....	" 1,177,982	546	1,385,245	671
Coated fabrics .....	" 638,297	811	563,573	680
Other fabrics (including nylon and other synthetics) .....	" ...	1,497	...	1,427
Thread .....	lb. 85,412	241	303,319	311
Cordage, rope and twine .....	" 631,391	263	597,832	302
Hardware .....	" ...	352	...	416
Waterproofing .....	" ...	248	...	234
All other materials and components used <sup>1</sup> .....	" ...	2,187	...	2,447
2. Containers and other packaging materials and supplies used .....	...	97	...	149
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	94	...	117
4. Amount paid out to others for work done on materials owned by establishments .....	...	99	...	222
<b>Totals</b> .....	...	<b>11,120</b>	...	<b>12,313</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 \$862,018 in 1963 and \$813,487 in 1964.

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

Description	1963		1964	
	Quantity	Value	Quantity	Value
		\$'000		\$'000
1. Products:				
Awnings:				
Domestic:				
(a) Canvas .....	yd. 444,153	1,134	383,607	986
(b) Synthetic materials .....	" 98,081	140	125,966	206
Commercial:				
(a) Canvas .....	" 154,154	516	172,430	619
(b) Synthetic materials .....	" 12,609	47	21,224	69
Sails:				
(a) Canvas .....	sq. yd. 21,289	100	4,738	26
(b) Synthetic - Sail silk .....	" ...	171	...	208
Tents:				
Domestic camping:				
(a) Regular tourist .....	No. 29,161	926	36,043	1,276
(b) Cabin or cottage style .....	" 31,033	1,681	32,300	1,750
(c) Standard wall .....	" 3,798	191	5,677	209
(d) Other domestic .....	" 31,776	1,024	25,665	934
Commercial and industrial .....	" ...	215	...	359
Verandah curtains .....	" ...	19	...	22
Flags, bunting and pennants .....	" ...	423	...	487
Bags, all kinds .....	" ...	904	...	925
Furniture pads .....	doz. 2,999	107	3,033	90
Covers:				
Radiator .....	" 149	4	262	7
Boat:				
(a) Canvas .....	sq. yd. 150,885	481	171,312	569
(b) Synthetic .....	" ...	62	...	93
Tarpaulin:				
(a) Canvas .....	sq. yd. ...	3,304	2,686,559	3,495
(b) Synthetic .....	" ...	...	74,725	124
All other .....	" ...	335	...	344

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

Description	1963		1964	
	Quantity	Value	Quantity	Value
		\$'000		\$'000
1. Products - Concluded:				
Horse blankets and covers .....	No. 2,770	15	822	12
Aprons .....	doz. 3,879	39	10,947	74
Sleeping bags .....	No. 144,206	1,423	160,020	1,593
Camp beds .....	" 62,083	266	55,020	258
Mattresses, athletic .....	" 4,560	148	...	<sup>1</sup>
Hammocks .....	...	<sup>1</sup>	...	<sup>1</sup>
Camp furniture .....	...	55	...	10
Cushions and pillows .....	No. 21,094	51	8,974	22
Life jackets and vests .....	...	<sup>1</sup>	...	<sup>1</sup>
Life buoys and rings .....	...	<sup>1</sup>	...	<sup>1</sup>
Window blinds .....	doz. } ...	143	503	21
Venetian blinds .....	} ...		...	53
Sporting goods and equipment .....	...	43	...	72
Clothing, all kinds .....	...	1,446	...	1,199
Amount received for rentals .....	...	584	...	621
Amount received for storage .....	...	117	...	133
Amount received for custom work and repairs .....	...	1,200	...	1,211
All other products .....	...	3,105	...	3,467
2. Amount received in payment for work done on materials and products owned by others	...	356	...	484
Less adjustment for value of salestaxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	...	(74)	...	(271)
Total adjusted value of shipments and work done .....	...	20,699	...	21,705

<sup>1</sup> Included with all other products.

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1963 and 1964  
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

Description	1963		1964	
	Quantity	Value	Quantity	Value
	No.	\$'000	No.	\$'000
Sleeping bags, all kinds .....	389,832	2,686	401,837	2,851
Life preserving equipment:				
Jackets and vests .....	265,678	977	209,883	1,237
Life buoys, belts, cushions, etc. ....	...	17	...	215



**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>Newfoundland:</b>	
United Sail Works .....	Bldg. 943, Fort Pepperell, St. John's
<b>Nova Scotia:</b>	
Maritime Canvas Converters Ltd. ....	2372 June St., Halifax
Stevens, R.B. & Sons .....	Second Peninsula
United Sail Makers .....	Lunenburg
<b>New Brunswick:</b>	
Holder, George E. And Son .....	100 Water St., Saint John
Mowry, G.W. ....	217 Newman St., Saint John
<b>Quebec:</b>	
Alleyn, J. Limited .....	225 St-Paul St., Quebec
A-One Canvas Products .....	5227 Wellington St., Verdun
Auvents Tentes National Enr. ....	6980, rue Henri-Julien, Montréal
Canadian Awning Company Limited .....	1070 Ray Lawson, Ville d'Anjou
Canning, W.E. Mfg. Co. Ltd. ....	280 Sauve St. W., Montreal
Canvas Equipment Limited .....	239 St-Sacrement St., Montreal
Capital Awning Co. ....	39½ St-Jean-Baptiste St., Hull
Cie d'auvents Alouette Awnings Co. ....	3801 Notre-Dame St. E., Montreal
E.T. Tent & Awning Company .....	1440 King St. W., Sherbrooke
Finnie Manufacturing Co. Ltd. ....	14001 Notre-Dame St. E., Pointe-aux-Trembles
General Canvas Goods Mfgs. Co. Ltd. ....	580 St-Clément, Montreal
Holden Mfg. Co. Ltd., The .....	43 & 87 Montcalm St., Hull
La Cie d'Auvents de Québec Ltée .....	275, rue du Pont, Québec
Lallamme Tarpaulins Enr. ....	R.R. No. 1, Black Lake, Megantic
Lakeside Sail & Canvas Work's Reg'd. ....	258 St-Paul St., Montreal
Lalonde, R. ....	64, rue Lalonde, Beloeil
La Salle Canvas & Ropes Reg'd. ....	664-90th Ave., La Salle
Lecours, Wilfrid Enr. ....	414 Christophe-Colomb Ave., Quebec
Les Auvents Acme & Cie .....	1455 Parc Lafontaine, Montreal
Les Auvents Maskoutains Enr. ....	100 Mercier St., St. Joseph
Les Auvents St-Laurent Enr. ....	308, rue St-Sauveur, Québec
Merchants Awning Co. Ltd. ....	24 St. Paul St. E., Montreal
Montreal Tent & Tarpaulin Company Ltd. ....	181 Youville Square, Montreal
Quebec Shipriggers & Sail Makers Reg'd. ....	17 Sault-au-Matelot, Québec
Ross-Smith Company Limited .....	4285 Frontenac St., Montreal
Smith-Anderson Company Limited .....	211 Common St., Montreal
Sorel Auvents .....	139 Charlotte St., Sorel
Tremblay, Edgar .....	284 Racine Est., Chicoutimi
<b>Ontario:</b>	
Accurate Tent & Awning Co. ....	58 Dingwall Ave., Toronto
Alexander Awnings .....	58 Secord Drive, St. Catharines
American Tent & Awning Company Limited .....	877 Yonge St., Toronto
Amy Tarpaulin & Awning Company .....	34 Guelph St., Bridgeport
Anglo Traders Limited .....	788 King St. W., Toronto
Arctic Canvas Ltd. ....	1356 Regina St., North Bay
Barrie Tent & Awning Co. Ltd. ....	34 Bayfield St., Barrie
Bartlett, Wm. & Son Ltd. ....	616 St. Clarens Ave., Toronto
Beacon Awning Mfrs. ....	2043 Stanley Ave., Niagara Falls
Black, Thomas & Sons Canada Ltd. ....	222 Strathcona Ave., Ottawa
Blank, W. & Son .....	106 Alice St., Brantford
Blue Star Tent & Awning Co. ....	606 Winnipeg Ave., Port Arthur
Brusey, Percy W. & Sons Ltd. ....	497 Hughson St. N., Hamilton
Canadian Canopy Co. Ltd. ....	86 Advance Rd., Toronto
Canadian Canvas Co. ....	489 Queen St. E., Toronto
Canvas Specialty Company .....	225 Macpherson Ave., Toronto
Catchpole, L.A. Canvas Works .....	30 Erie St., St. Thomas
Catchpole Awning & Storm Window Supply Co. ....	42 Fairview Ave., St. Thomas
Chinook Sleeping Bags Ltd. ....	1225 Bank St., Ottawa
Downey, H.J. & Son .....	301 Pine Ave., Oakville
Drumbo Tent & Awning Co. Ltd. ....	Drumbo
Eaton, T. Company Limited .....	2233 Sheppard Ave., Downsview
Fell-Fab Products .....	2343 Barton St. E., Hamilton
Fergus Awning Co. ....	171 St. Andrew St. E., Fergus
Flight Line Quality Products Ltd. ....	46 Saskatoon St., Campbellford
Frikon Industries Ltd. ....	206 Spadina Ave., Toronto
Galt Tent & Awning Co. ....	R.R. No. 3, Galt
Gosling, John B. & Son .....	211 Coxwell Ave., Toronto
Guelph Tent & Awning Company .....	38 Yorkshire St. S., Guelph
Hinsperger Harness and Tent Company Ltd. ....	920 Memorial Ave., Port Arthur
Hoskins Supply Company (Chatham) Ltd. ....	240 William St. S., Chatham
Horonia Canvas & Specialty Co. Ltd. ....	166 Mississauga St. E., Orillia
Jacquith Tent & Awning .....	25 Childers St., London
Keeble, C. ....	11 Water St., Belleville
Kennedy Specialty Mfrs. ....	Main St., Erin

List of Establishments classified to This Industry, 1964 - Concluded

Name	Location
<b>Ontario - Concluded:</b>	
Koening, Adolf	606 Lancaster St., Bridgeport
Lambton Awning & Canvas Specialty Co.	1303 Plank Rd., Sarnia
Lawrence Manufacturing Company	12 York St., Ottawa
Leckie, John Limited	Upjohn & Dyas Rds., Don Mills
Lester Awning	851 Barnardo Ave., Peterborough
London Textiles	161½ Maple St., London
Long Branch Tent & Awning Co.	436 Horner Ave., Toronto
Master Canvas Craft Co.	573 Albion Rd., Weston
Newmark, John	273 Hiram St., Bracebridge
Ottawa Awning & Canvas Ltd.	25 Hamilton Ave., Ottawa
Owen Sound Canvas Co.	517 Third Ave. E., Owen Sound
Payne, William	205 Central Ave., London
Peterborough Canvas Co.	King St., Peterborough
Pike, D. Company Limited, The	125 King St. E., Toronto
Pirie Bros.	61 Rosedale Ave., St. Catharines
Quality Trim Shop	22 Adelaide St. S., Chatham
Rainbow Mfg. Company	St. Jacobs
Raymond Brothers Ltd.	182 York St., London
Roberts, Wm & Son Ltd.	828 Dupont St., Toronto
Roebuck, J.B. Limited	23 King St., Midland
Scythes & Co. Ltd.	128 Sterling Rd., Toronto
Smith, Charlie Sails Ltd.	31 Britain St., Toronto
Soo Tent and Awning Co.	232 Bruce St., Sault St. Marie
Soper, Robert Limited	124 King St. W., Hamilton
Sturdy Canvas Products	116 Wellington St., Kingston
Taylor, Tom Company Ltd.	81 Front St. E., Toronto
Trevor Owen Limited	13 Hamilton St., Toronto
Turner, J.J. Co. Limited	280 George St. N., Peterborough
Universal Tent & Awning Co.	401 Pape Ave., Toronto
Western Tarpaulin & Textiles Ltd.	925 Weston Rd., Toronto
Westhead, G.H.	102 Lombard St., Toronto
Windsor Awning & Tent Co.	3041 Tecumseh Rd. E., Windsor
Woods Bag & Canvas Co. Ltd. (Canvas Division)	401 Logan Ave., Toronto
Wyse Enterprises	Con. 2 E. Mersea, Leamington
<b>Manitoba:</b>	
Allied Canvas Products	No. 4 Highway W., Neepawa
Canadian Tent & Awning Co., The	551 Selkirk Ave., Winnipeg
Circle Canvas Co. Ltd.	178 Henry Ave., Winnipeg
Falcon Tent and Equipment	289 Selkirk Ave., Winnipeg
Manitoba Tent & Awning Company	357 Dufferin Ave., Winnipeg
Midwest Tent & Awning	80 Martha St., Winnipeg
Murray Tent & Awning Company Ltd.	653 Sargent Ave., Winnipeg
Neepawa Canvas Works Ltd.	1st Ave., Neepawa
Norwood Tent & Awning Co. Ltd.	164 Marion St., Norwood
Pickles Tents & Awnings Ltd.	667 Ellice Ave., Winnipeg
Robinson's Tents & Awnings	918 Richmond Ave., Brandon
<b>Saskatchewan:</b>	
Denham Awning Makers Ltd.	309 - 33rd St. W., Saskatoon
Regina Tent, Awning & Upholstering Co., The	1643 Broad St., Regina
Western Tent & Bedding Company	111 Avenue "B" N., Saskatoon
<b>Alberta:</b>	
Alberta Tent & Awning Co. Ltd.	713 - 14th St. N.W., Calgary
Calgary Tent & Awning Ltd.	3624 Manchester Rd., Calgary
Ducan Canvas Co. Ltd.	2351 - 2nd Ave. N., Lethbridge
Edmonton Tent & Awning Company	10044 - 102nd St., Edmonton
Northwest Tent & Awning Company Ltd.	10228 - 98th St., Edmonton
Uram's Sporting Goods Mfg. Co.	10617 - 109th St., Edmonton
Western Tent & Awning Company Ltd.	133 - 10th Ave. S.E., Calgary
<b>British Columbia:</b>	
Arrow Tent & Awning Co.	Ft. Argyle St. S., Vancouver
Baylis Tent & Awning Ltd.	3245 Main St., Vancouver
False Creek Industries (1961) Ltd.	910 Beach Ave., Vancouver
General Fabrics Ltd.	315 Robinson St., Penticton
Hill Sailmakers Ltd.	4470 Dunbar St., Vancouver
Interior Tent & Awning	1168 Bat le St., Kamloops
Jeune Bros. of Victoria Ltd.	570 Johnson St., Victoria
Jones Tent & Awning Limited	2034 West 11th Ave., Vancouver
M. & M. Boat Covers	2020 Yew St., Vancouver
Northfield Canvas	2205 Bowen Rd., Nanaimo
Vancouver Custom Canvas Ltd.	876 E. Hastings, Vancouver
Vancouver Window Shade Co.	337 Gore Ave., Vancouver
Victoria Tent & Awning Co.	831 Fisgard St., Victoria
West Coast Textile Fabricator	758 Powell St., Vancouver
Westminster Canvas Ltd.	529 Front St., New Westminster



# 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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