

CATALOGUE No.

34-219

ANNUAL

Historical File Copy



# FIBRE PREPARING MILLS

1964

DOMINION BUREAU  
OF STATISTICS

AUG 3 1966

PROPERTY OF THE  
LIBRARY

ANNUAL CENSUS  
OF MANUFACTURES

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

DOMINION BUREAU OF STATISTICS  
Industry Division

July 1966  
6506-609

Price: 50 cents

## PUBLICATIONS

In addition to the report, on this industry, the DBS publishes annual statistics on a number of related industries and current statistics on the more important commodities. Copies of reports provided in the following list are available from the Information and Public Relations Division of the DBS, Ottawa or from the Queen's Printer, Hull, P.Q.

Catalogue number	Title	Periodicity	Price	
			Per copy	Per year
31-201	General Review of the Manufacturing Industries of Canada .....	A	\$2.00	
31-211	Products Shipped by Canadian Manufacturers .....	A	.75	
31-001	Inventories, Shipments and Orders in Manufacturing Industries .....	M	.30	\$3.00
65-004	Exports by Commodities .....	M	.75	7.50
65-007	Imports by Commodities .....	M	.75	7.50
34-202	Canvas Products Industry .....	A	.50	
34-203	Cordage and Twine Industry .....	A	.50	
34-204	Cotton and Jute Bag Industry .....	A	.50	
34-205	Cotton Yarn and Cloth Mills .....	A	.50	
34-206	Textile Dyeing and Finishing Plants .....	A	.50	
34-207	Narrow Fabric Mills .....	A	.50	
34-208	Synthetic Textile Mills .....	A	.50	
34-209	Wool Mills .....	A	.50	
34-210	Miscellaneous Textile Industries .....	A	.75	
34-212	Foundation Garment Industry .....	A	.50	
34-213	Fur Goods Industry .....	A	.50	
34-214	Hat and Cap Industry .....	A	.50	
34-215	Hosiery and Knitting Mills .....	A	.50	
34-216	Men's Clothing Industry .....	A	.50	
34-217	Women's and Children's Clothing Industries .....	A	.50	
34-218	Miscellaneous Clothing Industries .....	A	.50	
34-219	Fibre Preparing Mills .....	A	.50	
34-220	Thread Mills .....	A	.50	
34-221	Carpet, Mat and Rug Industry .....	A	.50	
34-001	Garment Shipments .....	Q	.25	1.00
34-002	Foundation Garment Shipments .....	Q	.25	1.00

A — Annual

Q — Quarterly

M — Monthly

Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Information and Public Relations Division, Ottawa or to the Queen's Printer, Hull, P.Q.

## FIBRE PREPARING MILLS

1964

In terms of both the revised Standard Industrial Classification and the New Establishment Concept, this industry is defined as comprising those "Establishments primarily engaged in preparing fibres for spinning (except synthetic fibres) and in manufacturing batting, padding, wadding, upholstery filling or in processing waste and recovered fibres and flock. Included are establishments primarily engaged in wool scouring and carbonizing and combing and converting top".

The products shipped by this industry in 1964 were numerous and included such major items as various types of punched and pressed felts; batts, batting and wadding, chiefly cotton; automobile batts; pulled wool; and wipers and rags. Unfortunately, as was the case in the previous reports on this industry, too few firms were engaged in the manufacture of the individual commodities in 1964 to permit the publication of industry shipment data on most products. In view of the above situation, the all-industry shipments of selected commodities for both 1963 and 1964 have been shown in Table 14. It should be noted that this industry is not the major manufacturer of all of these commodities since most punched and pressed felts are manufactured by firms classified to the Pressed and Punched Felt Mills industry and most wipers and rags are made by firms classified to the Miscellaneous Textiles (n.e.s.) Industry. These two industries are covered in the Miscellaneous Textiles Industries report, Catalogue No. 34-210.

A list of the establishments classified to this 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.
- ▣ preliminary figures.
- † 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 .....	30	710	1,538	2,312	266	8,813	14,841	5,506	11	42	844	3,182	5,775
1962													
Totals .....	30	713	1,556	2,304	256	8,888	14,893	5,757	6	23	851	3,259	5,846
1963													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	10	176	362	509	94	2,269	3,596	1,239	x	x	207	658	1,236
Ontario .....	18	557	1,247	2,001	206	7,786	12,862	4,904	x	x	670	2,785	5,019
Manitoba .....	-												
Saskatchewan .....	-												
Alberta .....	-												
British Columbia .....	3												
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	31	733	1,609	2,510	300	10,055	16,458	6,143	5	22	877	3,443	6,255
1964													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	12	x	x	x	x	x	x	x	x	x	x	x	x
Ontario .....	18	525	1,181	1,954	190	7,673	12,873	5,134	x	x	625	2,690	5,181
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	3	x	x	x	x	x	x	x	-	-	x	x	x
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	33	713	1,595	2,527	288	10,704	17,594	6,736	5	16	843	3,432	6,779

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	
1963													
Under \$10,000 .....	4	5	12	14	2	9	56	43	—	—	8	25	43
\$ 10,000 to \$ 24,999 .....	3	10	23	27	4	53	118	68	1	4	15	41	78
25,000 " 49,999 .....	5	36	79	97	16	98	349	245	2	10	40	112	248
50,000 " 99,999 .....	3	13	26	39	5	319	462	124	2	8	16	49	136
100,000 " 199,999 .....	8	78	184	259	41	1,473	2,142	583	—	—	99	376	580
200,000 " 499,999 .....	4	147	306	459	70	1,639	2,855	1,160	—	—	173	626	1,157
500,000 " 999,999 .....	6	444	980	1,614	162	6,463	10,475	3,920	—	—	526	2,213	4,014
1,000,000 " 4,999,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	31	733	1,609	2,510	300	10,055	16,458	6,143	5	22	877	3,443	6,255
1964													
Under \$10,000 .....	5	7	14	18	1	12	47	34	1	3	8	23	34
\$ 10,000 to \$ 24,999 .....	8	36	72	93	14	170	454	271	2	6	42	117	274
25,000 " 49,999 .....	4	22	48	73	10	346	560	221	2	8	33	118	248
50,000 " 99,999 .....	4	36	78	134	15	999	1,475	471	—	—	45	206	464
100,000 " 199,999 .....	6	186	412	613	100	2,484	4,202	1,635	—	—	220	822	1,646
200,000 " 499,999 .....	6	426	971	1,595	148	6,695	10,855	4,104	—	—	495	2,146	4,112
500,000 " 999,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
1,000,000 " 4,999,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	33	713	1,595	2,527	288	10,704	17,594	6,736	5	16	843	3,432	6,779

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	
1963													
Under \$10,000 .....	6	13	30	35	5	137	219	70	3	12	16	45	82
\$ 10,000 to \$ 24,999 .....	6	28	66	81	13	249	468	227	2	10	36	107	240
25,000 " 49,999 .....	6	52	106	169	22	626	1,071	402	—	—	63	225	400
50,000 " 99,999 .....	3	49	123	151	27	941	1,369	364	—	—	63	225	363
100,000 " 199,999 .....	7	262	565	873	120	4,234	6,452	2,194	—	—	332	1,229	2,292
200,000 " 499,999 .....	3	309	701	1,199	111	3,868	6,878	2,886	—	—	367	1,611	2,879
500,000 " 999,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
1,000,000 " 4,999,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	31	733	1,609	2,510	300	10,055	16,458	6,143	5	22	877	3,443	6,255
1964													
Under \$10,000 .....	3	1	2	4	1	11	23	11	1	3	1	5	11
\$ 10,000 to \$ 24,999 .....	4	10	20	24	3	79	131	49	1	4	11	28	49
25,000 " 49,999 .....	5	25	52	71	7	146	330	177	1	3	31	95	177
50,000 " 99,999 .....	6	29	60	85	16	704	1,062	360	2	8	40	129	390
100,000 " 199,999 .....	5	72	172	242	33	1,364	2,055	674	—	—	92	365	681
200,000 " 499,999 .....	7	280	605	884	122	4,379	7,002	2,521	—	—	323	1,247	2,534
500,000 " 999,999 .....	3	296	685	1,217	106	4,023	6,990	2,943	—	—	345	1,563	2,937
1,000,000 " 4,999,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	33	713	1,595	2,527	288	10,704	17,594	6,736	5	16	843	3,432	6,779



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	
1963													
Under \$10,000 .....	5	7	16	18	4	20	86	55	1	4	10	29	55
\$ 10,000 to \$ 24,999 .....	7	34	79	98	15	366	602	242	4	18	42	123	267
25,000 " 49,999 .....	6	52	106	169	22	626	1,071	402	—	—	63	225	400
50,000 " 99,999 .....	3	49	123	151	27	941	1,369	364	—	—	63	225	363
100,000 " 199,999 .....	7	282	585	873	120	4,234	6,452	2,194	—	—	332	1,229	2,292
200,000 " 499,999 .....	3	309	701	1,199	111	3,868	6,878	2,886	—	—	367	1,611	2,879
500,000 " 999,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
1,000,000 " 4,999,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	31	733	1,609	2,510	300	10,055	16,458	6,143	5	22	877	3,443	6,255
1964													
Under \$10,000 .....	3	1	2	4	1	11	23	11	1	3	1	5	11
\$ 10,000 to \$ 24,999 .....	4	10	20	24	3	79	131	49	1	4	11	28	49
25,000 " 49,999 .....	5	25	52	71	7	146	330	177	1	3	31	95	177
50,000 " 99,999 .....	6	29	60	85	16	704	1,062	360	2	8	40	129	390
100,000 " 199,999 .....	5	72	172	242	33	1,364	2,055	674	—	—	92	365	681
200,000 " 499,999 .....	7	280	605	884	122	4,379	7,002	2,521	—	—	323	1,247	2,534
500,000 " 999,999 .....	3	296	685	1,217	106	4,023	6,990	2,943	—	—	345	1,563	2,937
1,000,000 " 4,999,999 .....	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000,000 and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	33	713	1,595	2,527	288	10,704	17,594	6,736	5	18	843	3,432	6,779

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	
1963													
Under 5 employed .....	6	7	16	18	5	152	259	95	1	4	11	34	95
5- 14 employed .....	12	83	180	271	41	1,020	1,696	622	4	18	101	366	642
15- 49 " .....	8	226	486	729	109	3,237	5,103	1,843	—	—	272	987	1,946
50- 99 " .....	5	417	927	1,491	144	5,846	9,400	3,583	—	—	493	2,056	3,572
100-199 " .....													
200-499 " .....													
500 employed and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	31	733	1,609	2,510	300	10,055	16,458	6,143	5	22	877	3,443	6,255
1964													
Under 5 employed .....	10	16	32	42	9	537	763	217	3	9	17	47	220
5- 14 employed .....	11	79	171	266	37	1,229	2,036	792	2	8	106	411	826
15- 49 " .....	8	253	563	799	123	4,038	6,423	2,298	—	—	297	1,073	2,311
50- 99 " .....	4	365	829	1,420	118	4,900	8,371	3,430	—	—	423	1,902	3,422
100-199 " .....													
200-499 " .....													
500 employed and over .....	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals .....	33	713	1,595	2,527	288	10,704	17,594	6,736	5	16	843	3,432	6,779

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 .....	5	30	61	74	11	186	341	147	5	22	31	77	158
Partnerships .....													
Incorporated companies .....	26	703	1,548	2,435	288	9,869	16,117	5,996	...	...	846	3,366	6,097
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>31</b>	<b>733</b>	<b>1,609</b>	<b>2,510</b>	<b>300</b>	<b>10,053</b>	<b>16,458</b>	<b>6,143</b>	<b>5</b>	<b>22</b>	<b>877</b>	<b>3,443</b>	<b>6,255</b>
<b>1964</b>													
Individual ownerships .....	5	12	24	27	4	115	238	120	5	16	15	37	146
Partnerships .....													
Incorporated companies .....	28	701	1,572	2,500	284	10,589	17,355	6,617	...	...	828	3,396	6,633
Co-operatives .....	—	—	—	—	—	—	—	—	...	...	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals .....</b>	<b>33</b>	<b>713</b>	<b>1,595</b>	<b>2,527</b>	<b>288</b>	<b>10,704</b>	<b>17,594</b>	<b>6,736</b>	<b>5</b>	<b>16</b>	<b>843</b>	<b>3,432</b>	<b>6,779</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 .....	16,458	17,594	919	872	17,377	18,466
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	175	198	...	...	175	198
Finished goods .....	764	781	...	...	764	781
Deduct opening—Goods in process .....	194	178	...	...	194	178
Finished goods .....	705	667	...	...	705	667
2. Net inventory change .....	40	134	...	...	40	134
3. Gross output (1 + 2) .....	16,498	17,728	919	872	17,417	18,600
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	731	879	731	879
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	103	57	103	57
Deduct closing .....	...	...	58	138	58	138
5. Cost of goods sold (not of own manufacture) .....	...	...	776	798	776	798
6. Materials, supplies, etc. ....	10,055	10,704	30	32	10,085	10,736
7. Fuel and electricity .....	300	288	...	...	300	288
8. Gross input (5 + 6 + 7) .....	10,355	10,992	806	830	11,161	11,822
<b>Value added (3 - 8) .....</b>	<b>6,143</b>	<b>6,736</b>	<b>113</b>	<b>42</b>	<b>6,255</b>	<b>6,779</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		Adminis- trative 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 .....	167	9	-	-	15	9	7	-	167	9	509	-	118	31	858
Ontario .....	453	104	-	-	73	24	15	1	541	129	2,001	-	656	129	2,785
Manitoba .....															
Saskatchewan .....															
Alberta .....															
British Columbia .....															
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	620	113	-	-	88	33	22	1	730	147	2,510	-	774	160	3,443
1964															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec .....	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
Ontario .....	431	94	-	-	64	21	13	2	508	117	1,954	-	622	114	2,690
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	x	x	-	-	x	x	x	-	x	x	x	-	x	x	x
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals .....	607	106	-	-	82	27	19	2	708	135	2,527	-	762	143	3,432

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 .....	637	121	597	103
February .....	617	112	603	108
March .....	623	108	597	110
April .....	641	118	593	111
May .....	608	113	618	110
June .....	612	117	629	107
July .....	586	105	561	89
August .....	612	105	584	94
September .....	603	112	612	102
October .....	636	119	601	104
November .....	654	127	639	113
December .....	632	113	634	111
Averages .....	620	113	607	106
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
Average for all establishments .....	620	113	607	106

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 .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—
New Brunswick .....	—	—	—	—	—	—
Quebec .....	x	x	x	x	—	x
Ontario .....	1,090	162	556	1,809	57	1,866
Manitoba .....	—	—	—	—	—	—
Saskatchewan .....	—	—	—	—	—	—
Alberta .....	—	—	—	—	—	—
British Columbia .....	x	x	x	x	—	x
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	1,315	178	667	2,160	57	2,217
Closing:						
Newfoundland .....	—	—	—	—	—	—
Prince Edward Island .....	—	—	—	—	—	—
Nova Scotia .....	—	—	—	—	—	—
New Brunswick .....	—	—	—	—	—	—
Quebec .....	x	x	x	x	—	x
Ontario .....	1,186	184	658	2,028	138	2,166
Manitoba .....	—	—	—	—	—	—
Saskatchewan .....	—	—	—	—	—	—
Alberta .....	—	—	—	—	—	—
British Columbia .....	x	x	x	x	—	x
Yukon and Northwest Territories .....	—	—	—	—	—	—
Totals .....	1,459	198	781	2,438	138	2,577

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	163	168	2
(b) Imported .....	"	2,981	2,497	34
Sub-bituminous coal (from Alberta mines only) .....	"	40	—	—
Anthracite coal .....	"	—	—	—
Lignite coal .....	"	—	—	—
Coke .....	"	—	—	—
Gasoline (including gasoline used in cars and trucks) .....	imp. gal.	108,224	69,379	28
Fuel oil including kerosene or coal oil .....	"	185,975	263,130	29
Wood .....	cord	—	—	—
Gas:				
(a) Liquefied petroleum gases .....	imp. gal.	2,286	665	—
(b) Other manufactured gas .....	M cu. ft.	—	—	—
(c) Natural gas .....	"	16,624	21,022	20
Other fuel .....	...	—	...	—
Electricity purchased .....	kwh.	7,294,330	8,195,630	126
Steam purchased .....	...	25	...	34
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	21	...	14
3. All establishments:				
Total fuel and electricity used .....	...	300	...	288

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

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Cotton:				
Raw .....	lb. 2, 152, 690	923	2, 004, 600	838
Linters .....	" 12, 633, 674	816	12, 536, 730	743
Waste .....	" 16, 293, 217	1, 440	21, 330, 278	1, 813
Cotton and wool waste .....	" 1, 298, 128	205	595, 718	145
Wool .....	" 151, 458	114	174, 282	161
Wool waste .....	" 949, 102	318	739, 365	259
Synthetic staple fibre .....	" 187, 877	61	326, 665	196
Synthetic waste .....	" 1, 309, 123	469	2, 646, 030	512
Other waste .....	" 3, 463, 131	303	3, 512, 925	281
Cheese cloth .....	yard 1, 773, 640	74	1, 918, 450	85
Burlap .....	" 1, 124, 520	137	1, 536, 331	181
Rag, clippings, mills-ends, etc.:				
Wool or part wool .....	lb. 10, 944, 437	1, 060	11, 146, 555	1, 117
Cotton .....	" ..	304	" ..	" ..
Other .....	" ..	5	" ..	68
Other raw stocks .....	" ..	452	" ..	655
Woolly sheepskins .....	No. 657, 105	1, 112	511, 500	992
Oils .....	" ..	23	" ..	24
Dyes .....	" ..	13	" ..	17
Chemicals .....	" ..	105	" ..	78
All other materials and components used <sup>1</sup> .....	" ..	1, 640	" ..	1, 998
2. Containers and other packaging materials and supplies used .....	" ..	140	" ..	130
3. Operating, maintenance and repair supplies used (excluding fuel) .....	" ..	306	" ..	343
4. Amount paid out to others for work done on materials owned by establishments .....	" ..	33	" ..	69
Totals .....	" ..	10, 055	" ..	10, 704

<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 \$329,369 in 1963 and \$299,931 in 1964.

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

Description	Value	
	1963	1964
	\$'000	
1. Products:		
Pressed and punched felts, all types .....	16, 256	17, 376
Pulled wool .....		
Wipers and rags .....		
Batts, batting and wadding, chiefly of cotton .....		
Automobile batts .....		
All other products .....		
2. Amount received in payment for work done on materials and products owned by others .....	239	250
3. Loss adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....	( 37 )	( 31 )
Total adjusted value of shipments and work done .....	16, 458	17, 594

**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	Value	
	1963	1964
	\$'000	
Pressed and punched felts, all types .....	7,981	8,231
Pulled wool .....	1	1
Wipers and rags .....	4,687	4,755
Batts, batting and wadding, chiefly of cotton .....	2,754	1,641
Automobile batts .....	3,776	3,759

<sup>1</sup> Data confidential.

**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>	
Acme Sisal & Supplies Co. Ltd. ....	8350 Jeanne Mance St., Montreal
Aragon Cotton & Synthetic Mills Ltd. ....	300 Dubé St., Montreal E.
Brassard, Maurice .....	1695 St. Charles, Plessisville
Broadway Textile Processing Ltd. ....	1515 Bercy St., Montreal
Dominion Wadding Co. Ltd. ....	120 Vinet St., Montreal
Fournier, Luc .....	Cap St. Ignace Station
Lebeau Combing Mills Ltd. ....	329 St. Paul, St. Pie
London Waste Mfg. (1962) Co. Ltd. ....	8350 Jeanne-Mance St., Montreal
Matador Inc. ....	9500 St. Lawrence Blvd., Montreal
Montreal Woolstock .....	6530 Wilderton St., Montreal
Standard Felt Products Ltd. ....	705 Bourget St., Montreal
Walker, James Robert .....	5296 St. Patrick St., Montreal
<b>Ontario:</b>	
Almac Felt & Sisal Co. (Div. of Wiseman Bros. Ltd.) ....	3636 Weston Rd., Weston
Bainton Limited .....	Blyth
Bauers Limited .....	187 King St. S., Waterloo
Canada Packers Limited (Wool Division) .....	Ft. of Strachan Ave., Toronto
Dominion Rubber Company Limited (Fibre Preparing) .....	84 Margaret Ave., Kitchener
Ferguson & O'Reilly Co. Ltd. ....	178 Joseph St., Kitchener
Fibre Products of Canada Ltd. ....	27 Catharine Ave., Brantford
Fibretext Limited .....	3679 Weston Rd., Weston
Frederick Waste Products Ltd. ....	19 Albion St., Brantford
Gazer, Wm. Mill Stock Supplies .....	112 Grey St., Brantford
General Wool Stock Ltd. ....	35 Wabash Ave., Toronto
Homuth, Otto Sons Limited .....	358 Eagle St., Preston
Horenfeldt-Hands Ltd. ....	640 Dufferin St., Toronto
Lakeview Felt Ltd. ....	1106 Ogden Ave., Port Credit
Lalor, John, M. & Co. Ltd. ....	610 Eastern Ave., Toronto
Scythes & Company Ltd. ....	Paton Rd., Toronto
Simco Wool Stock Co. Ltd. ....	449 Norfolk St. S., Simcoe
Wagman, E. & Co. Ltd. ....	77 St. Patrick St., Toronto
<b>British Columbia:</b>	
Birkeland Bros. Wool Batts Ltd. ....	3573 Main St., Vancouver
Bissinger & Co. ....	365 W. 2nd. Ave., Vancouver
Western Fibres Ltd. ....	8399 Ontario St., Vancouver



# 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".





STATISTICS CANADA LIBRARY  
BIBLIOTHÈQUE STATISTIQUE CANADA



1010755042