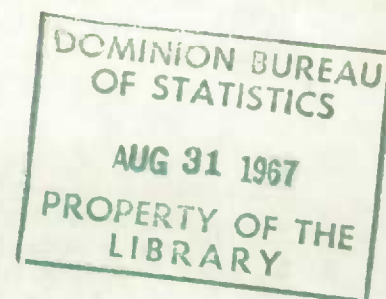


CATALOGUE No. *C.8*

44-203

ANNUAL



ASBESTOS PRODUCTS MANUFACTURERS 1965

ANNUAL CENSUS OF MANUFACTURES

Published by Authority of
The Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Manufacturing and Primary Industries Division

August 1967
6506-851

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 Publications Distribution, Dominion Bureau of Statistics, Ottawa or from the Queen's Printer, Hull, P.Q.

Catalogue number	Title	Periodicity	Price	
			Per copy	Per year
44-202	Abrasives Manufacturers	A	.50	.50
44-203	Asbestos Products Manufacturers	A	.25	.25
44-204	Cement Manufacturers	A	.50	.50
44-205	Concrete Products Manufacturers	A	.50	.50
44-207	Glass and Glass Products Manufacturers	A	.50	.50
44-209	Lime Manufacturers	A	.25	.25
44-210	Other Non-metallic Mineral Products Industries	A	.50	.50
44-211	Ready-Mix Concrete Manufacturers	A	.50	.50
44-212	Mineral Wool Manufacturers	A	.50	.50
44-213	Stone Products Manufacturers	A	.50	.50
44-214	Refractories Manufacturers	A	.50	.50
44-215	Clay Products Manufacturers (from Domestic Clays)	A	.50	.50
44-216	Clay Products Manufacturers (from Imported Clays)	A	.50	.50
44-217	Gypsum Products Manufacturers	A	.50	.50
<hr/>				
26-001	Asbestos	M	.10	\$1.00
26-007	Production of Canada's Leading Minerals	M	.10	1.00
26-009	Salt	M	.10	1.00
26-205	Asbestos Mining Industry	A	.50	.50
26-214	Salt Industry	A	.50	.50
26-217	Stone Quarrying Industry	A	.50	.50
26-221	Gypsum Mining Industry	A	.25	.25
31-001	Inventories, Shipments and Orders in Manufacturing Industries	M	.30	3.00
31-201	General Review of the Manufacturing Industries of Canada	A	\$2.00	2.00
44-001	Cement	M	.10	1.00
44-002	Concrete Products	M	.10	1.00
44-003	Gypsum Products	M	.10	1.00
44-004	Mineral Wool	M	.10	1.00
44-005	Products Made from Canadian Clays	M	.10	1.00
47-001	Asphalt and Vinyl-Asbestos Floor Tile	M	.10	1.00
65-004	Exports by Commodities	M	.75	7.50
65-007	Imports by Commodities	M	.75	7.50

A — Annual

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 Publications Distribution, Dominion Bureau of Statistics, Ottawa or to the Queen's Printer, Hull, P.Q.

ASBESTOS PRODUCTS MANUFACTURERS

1965

For statistical purposes the industry titled Asbestos Products Manufacturers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing asbestos textiles, packings, brake linings, gaskets, asbestos building materials and other commodities composed wholly or chiefly of asbestos.

Value of shipments and other revenue (manufacturing and non-manufacturing) of the Asbestos Products Manufacturers industry amounted to \$52.9 million in 1965, compared with \$49.6 million in 1964, an increase of \$3.3 million or about 7 per cent. Shipments and other revenue resulting from the manufacturing activity of this industry totalled \$46.2 million in 1965 compared with \$43.0 million in the previous year. Other revenue (non-manufacturing activity) totalled \$6.6 million in 1965 unchanged from approximately the same total in 1964.

The total cost of materials and supplies, fuel, electricity etc. (total inputs) in 1965 increased by \$713,000 over the 1964 total. Total inputs in 1965 represented about 41 per cent of gross outputs (of own manufacture), compared with 42 per cent in 1964.

It should be noted that Table 13 covers the shipments of the establishments classified to this industry whereas Table 14 represents the total value of shipments of specific commodities of Canadian manufacture and includes shipments of those commodities reported by establishments classified to other industries.

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, 1961-65

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1961													
Totals	15	1,624	3,652	7,377	921	14,650	35,735	20,054	-	-	2,445	11,819	21,286
1962													
Totals	15	1,658	3,811	7,907	959	14,663	36,683	21,110	-	-	2,422	12,220	22,378
1963													
Totals	15	1,695	3,884	8,324	1,001	14,147	35,668	20,637	x	x	2,630	12,236	21,706
1964													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	5	909	2,109	4,438	499	8,287	20,378	11,600	-	-	1,320	6,900	12,576
Ontario	8	938	2,054	4,876	570	8,542	22,098	12,989	x	x	1,175	6,185	13,270
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	...	30	58	113	13	169	485	287	-	-	75	338	302
British Columbia	3												
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	16	1,877	4,221	9,427	1,081	16,998	42,962	24,875	x	x	2,570	13,423	26,147
1965													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	5	939	2,230	4,823	503	8,724	22,080	12,713	-	-	1,315	7,303	13,899
Ontario	8	929	2,052	5,299	593	8,630	23,441	14,092	x	x	1,188	6,919	14,608
Manitoba	-	39	77	181	25	316	713	383	-	-	103	502	400
Saskatchewan	-												
Alberta	-	4											
British Columbia	4												
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	17	1,907	4,359	10,304	1,122	17,670	46,235	27,188	x	x	2,606	14,723	28,907

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	4	20	38	66	11	131	348	201	x	x	25	92	206
50,000 " 99,999		—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999		—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999		—	—	—	—	—	—	—	—	—	—	—	—
500,000 " 999,999	4	52	108	226	32	653	1,222	584	—	—	69	321	672
1,000,000 " 4,999,999	5	670	1,506	2,832	201	4,434	11,390	7,144	—	—	908	4,007	8,084
5,000,000 and over	3	1,135	2,569	6,304	837	11,780	30,002	16,946	—	—	1,472	8,524	17,185
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	96	480	—
Totals	16	1,877	4,221	9,427	1,081	16,998	42,962	24,875	x	x	2,570	13,423	26,147
1965													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	5	27	52	137	11	191	464	277	x	x	39	205	294
50,000 " 99,999		—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999		—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999		—	—	—	—	—	—	—	—	—	—	—	—
500,000 " 999,999	4	47	92	198	39	882	1,492	572	—	—	61	279	703
1,000,000 " 4,999,999	5	675	1,509	2,947	210	4,510	11,941	7,297	—	—	880	4,282	8,647
5,000,000 and over	3	1,158	2,705	7,022	861	12,088	32,336	19,042	—	—	1,496	9,317	19,262
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	130	640	—
Totals	17	1,907	4,359	10,304	1,122	17,670	46,235	27,188	x	x	2,606	14,723	28,907

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
1964													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	4	14	26	51	13	240	410	164	x	x	18	73	170
50,000 " 99,999		—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999		—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999		—	—	—	—	—	—	—	—	—	—	—	—
500,000 " 999,999	5	159	344	543	58	1,226	2,560	1,305	—	—	181	654	1,391
1,000,000 " 4,999,999	7	1,704	3,850	8,833	1,010	15,533	39,992	23,406	—	—	2,275	12,216	24,586
5,000,000 and over	...	...	...	...	...	...	...	...	...	...	96	480	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	96	480	—
Totals	16	1,877	4,221	9,427	1,081	16,998	42,962	24,875	x	x	2,570	13,423	26,147
1965													
Under \$10,000	—	—	—	—	—	—	—	—	—	—	—	—	—
\$ 10,000 to \$ 24,999	—	—	—	—	—	—	—	—	—	—	—	—	—
25,000 " 49,999	10	182	394	697	85	1,787	3,250	1,507	x	x	215	891	1,653
50,000 " 99,999		—	—	—	—	—	—	—	—	—	—	—	—
100,000 " 199,999		—	—	—	—	—	—	—	—	—	—	—	—
200,000 " 499,999		—	—	—	—	—	—	—	—	—	—	—	—
500,000 " 999,999	7	1,725	3,965	9,607	1,037	15,883	42,985	25,681	—	—	2,261	13,192	27,254
1,000,000 " 4,999,999	...	...	...	...	...	...	...	...	...	...	130	640	—
5,000,000 and over	...	...	...	...	...	...	...	...	...	...	130	640	—
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	130	640	—
Totals	17	1,907	4,359	10,304	1,122	17,670	46,235	27,188	x	x	2,606	14,723	28,907

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1964													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999	4	14	26	51	13	240	410	164	x	x	18	73	170
25,000 " 49,999													
50,000 " 99,999													
100,000 " 199,999													
200,000 " 499,999	5	159	344	543	58	1,226	2,560	1,305	-	-	181	654	1,391
500,000 " 999,999													
1,000,000 " 4,999,999													
5,000,000 and over	7	1,704	3,850	8,833	1,010	15,533	39,992	23,406	-	-	2,275	12,216	24,586
Head offices, sales offices and auxiliary units													
Totals	16	1,877	4,221	9,427	1,081	16,998	42,962	24,875	x	x	2,570	13,423	26,147
1965													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999	7	43	85	202	33	533	1,033	486	x	x	58	284	506
25,000 " 49,999													
50,000 " 99,999													
100,000 " 199,999													
200,000 " 499,999	3	139	309	495	52	1,254	2,217	1,021	-	-	157	607	1,147
500,000 " 999,999													
1,000,000 " 4,999,999													
5,000,000 and over	7	1,725	3,965	9,607	1,037	15,883	42,985	25,681	-	-	2,261	13,192	27,254
Head offices, sales offices and auxiliary units													
Totals	17	1,907	4,359	10,304	1,122	17,670	46,235	27,188	x	x	2,606	14,723	28,907

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

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1964													
Under 5 employed	5	26	51	87	16	293	585	273	x	x	32	122	286
5- 14 employed													
15- 49 "													
50- 99 "													
100-199 "	3	313	682	1,241	101	2,534	6,169	3,683	-	-	361	1,587	3,693
200-499 "													
500 employed and over													
Head offices, sales offices and auxiliary units	5	1,492	3,393	7,895	937	13,681	35,223	20,408	-	-	2,019	10,944	21,758
Totals													
1965	16	1,877	4,221	9,427	1,081	16,998	42,962	24,875	x	x	2,570	13,423	26,147
1965													
Under 5 employed	-	-	-	-	-	-	-	-	-	-	-	-	-
5- 14 employed	6	32	63	154	30	491	889	379	x	x	41	205	381
15- 49 "													
50- 99 "													
100-199 "													
200-499 "	3	316	701	1,277	109	2,577	6,143	3,576	-	-	387	1,838	3,764
500 employed and over													
Head offices, sales offices and auxiliary units													
Totals	17	1,907	4,359	10,304	1,122	17,670	46,235	27,188	x	x	2,606	14,723	28,907

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

Type of organization	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
	No.		'000			'000				'000		'000	
1964													
Individual ownerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Partnerships	16	1,877	4,221	9,427	1,081	16,998	42,962	24,875	x	x	2,474	12,943	26,147
Incorporated companies													
Co-operatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	96	480	—
Totals	16	1,877	4,221	9,427	1,081	16,998	42,962	24,875	x	x	2,570	13,423	26,147
1965													
Individual ownerships	—	—	—	—	—	—	—	—	—	—	—	—	—
Partnerships	17	1,907	4,359	10,304	1,122	17,670	46,235	27,188	x	x	2,476	14,083	28,907
Incorporated companies													
Co-operatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	130	640	—
Totals	17	1,907	4,359	10,304	1,122	17,670	46,235	27,188	x	x	2,606	14,723	28,907

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

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
	\$'000					
Output						
1. Shipments and other revenue	42,962	46,235	6,597	6,622	49,559	52,657
Inventories—Goods of own manufacture:						
Add closing—Goods in process	857	809	...	...	857	809
Finished goods	4,768	4,489	...	...	4,768	4,489
Deduct opening—Goods in process	764	865	...	...	764	865
Finished goods	4,867	4,689	...	...	4,867	4,689
2. Net inventory change	(6)	(256)	...	...	(6)	(256)
3. Gross output (1 + 2)	42,956	45,979	6,597	6,622	49,553	52,601
Input						
4. Purchases of goods not of own manufacture .....	...	...	5,080	5,192	5,080	5,192
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	1,159	1,151	1,159	1,151
Deduct closing .....	...	...	1,066	1,615	1,066	1,615
5. Cost of goods sold (not of own manufacture) .....	...	...	5,173	4,728	5,173	4,728
6. Materials, supplies, etc.	16,998	17,670	150	175	17,148	17,845
7. Fuel and electricity	1,081	1,122	...	...	1,081	1,122
8. Gross input (5 + 6 + 7)	18,079	18,792	5,323	4,903	23,402	23,695
Value added (3 - 8)	24,875	27,188	1,274	1,719	26,147	28,907

TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Admin- istra- tive and office	Sales and distrib- ution	Total
	Manufacturing		Other								Manufacturing	Other			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female						Manufacturing	Other
	number										\$'000				
1964															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	832	77	-	-	170	61	159	21	1,161	159	4,438	-	1,457	1,005	6,900
Ontario	898	40	5	-	127	59	26	20	1,056	119	4,876	35	1,088	186	6,185
Manitoba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	30	-	-	-	8	3	30	4	68	7	113	-	60	165	338
British Columbia		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Terri- tories		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	1,760	117	5	-	305	123	215	45	2,285	285	9,427	35	2,605	1,355	13,423
1965															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quebec	865	74	-	-	171	61	127	17	1,163	152	4,823	-	1,572	907	7,303
Ontario	889	40	4	-	135	49	54	17	1,082	106	5,299	30	1,186	403	6,919
Manitoba	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta		-	-	-	9	4	45	6	93	10	181	-	74	246	502
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Terri- tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	1,793	114	4	-	315	114	226	40	2,338	268	10,304	30	2,833	1,556	14,723

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

Month	1964		1965	
	Male	Female	Male	Female
	number			
Establishments reporting monthly detail (large establishments only):				
January	1,701	118	1,695	101
February	1,705	118	1,692	109
March	1,708	119	1,717	119
April	1,727	120	1,736	116
May	1,790	121	1,751	121
June	1,830	122	1,871	127
July	1,831	117	1,830	114
August	1,752	113	1,861	123
September	1,796	115	1,852	114
October	1,771	111	1,808	109
November	1,777	108	1,844	107
December	1,720	108	1,843	112
Averages	1,760	117	1,793	114
Establishments reporting annual averages (small establishments only)	-	-	-	-
Average for all establishments	1,760	117	1,793	114

TABLE 10. Inventories,¹ 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	—	—	—	—	—	—
Quebec	1,923	300	2,836	5,059	561	5,620
Ontario	1,335	565	1,991	3,891	590	4,481
Manitoba	—	—	—	—	—	—
Saskatchewan	—	—	—	—	—	—
Alberta	—	—	—	—	—	—
British Columbia	84	—	64	147	—	147
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	3,341	865	4,892	9,097	1,151	10,248
Closing:						
Newfoundland	—	—	—	—	—	—
Prince Edward Island	—	—	—	—	—	—
Nova Scotia	—	—	—	—	—	—
New Brunswick	—	—	—	—	—	—
Quebec	1,748	258	2,783	4,789	762	5,551
Ontario	1,361	551	1,878	3,790	853	4,643
Manitoba	—	—	—	—	—	—
Saskatchewan	—	—	—	—	—	—
Alberta	—	—	—	—	—	—
British Columbia	95	—	75	170	—	170
Yukon and Northwest Territories	—	—	—	—	—	—
Totals	3,204	809	4,736	8,749	1,615	10,364

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

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Large establishments reporting commodity detail:				
Bituminous coal:				
(a) From Canadian mines	ton	90	35	1
(b) Imported	"	8,888	6,530	75
Sub-bituminous coal (from Alberta mines only)	"	-	-	-
Anthracite coal	"	-	-	-
Lignite coal	"	-	-	-
Coke	"	-	-	-
Gasoline (including gasoline used in cars and trucks)	imp. gal.	81,656	81,752	30
Fuel oil including kerosene or coal oil	"	4,610,113	4,797,363	355
Wood	cord	-	-	-
Gas:				
(a) Liquefied petroleum gases	imp. gal.	133,146	118,566	21
(b) Other manufactured gas	M cu. ft.	-	-	-
(c) Natural gas	"	247,206	381,078	185
Other fuel		-	-	-
Electricity purchased	kwh.	42,561,037	42,973,014	429
Steam purchased		-	-	-
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....	...	21	...	26
3. All establishments:				
Total fuel and electricity used .....	...	1,081	...	1,122

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

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

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
	lb.	\$'000	lb.	\$'000
1. Materials used:				
Asbestos fibre	60,698,891	5,255	67,444,215	5,492
Asbestos paper, corrugated and plain	1,525,681	186	-	-
Asbestos yarn	187,676	131	245,075	175
Cotton cloth and yarn	1,149,321	1,053	1,111,986	951
Rubber	1,118,857	313	1,210,388	330
All other materials and components used ¹ .....	...	7,353	...	7,656
2. Containers and other packaging materials and supplies used .....	...	1,115	...	1,264
3. Operating, maintenance and repair supplies used (excluding fuel) .....	...	1,445	...	1,550
4. Amount paid out to others for work done on materials owned by establishments .....	...	147	...	252
Totals .....	...	16,998	...	17,670

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$483,920 in 1964 and \$403,978 in 1965.

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

Description	Value	
	1964	1965
	\$'000	
1. Products:		
Asbestos brake linings (automotive type only):		
Moulded	4,952	5,199
Other	240	269
Boiler and pipe covering (asbestos only - See Table 14)	217	1
Asbestos textile products (cloth, clothing, dryer felts, yarn, pipe line felt, listings, thermo wrap pipe covering, webbing)	4,247	4,046
Asbestos paper products (millboard and paper)	549	592
All other products ¹	32,777	36,148
2. Amount received in payment for work done on materials and products owned by others	9	15
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above	(30)	(34)
Net adjustment for establishments receiving progress payments	-	-
Total adjusted value of shipments and work done	42,962	46,233

¹ Including non-asbestos pipe covering, asbestos clutch facings, asbestos gaskets, asbestos packings, asbestos cement shingles, asbestos cement tile, asbestos cement pipe, etc.

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1956-65
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

A. Asbestos Brake Linings¹

Year	Moulded	Other	Total all types
	\$'000		
1956	3,635	324	3,959
1957	3,239	343	3,582
1958	3,398	305	3,703
1959	4,136	285	4,420
1960	4,092	274	4,366
1961	3,977	364	4,341
1962	4,445	207	4,652
1963	4,261	178	4,439
1964	4,952	240	5,192
1965	5,199	269	5,468

¹ Automotive type only since 1956.

TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1956-65 - Concluded

B. Asbestos¹ Boiler and Pipe Coverings

Year	Selling value at plant	Year	Selling value at plant
	\$'000		\$'000
1956	3,292	1961	3,468
1957	3,609	1962	3,266
1958	3,311	1963	3,237
1959	3,086	1964	3,378
1960	2,793	1965	4,786

¹ Includes asbestos type only prior to 1956 but since then includes magnesia, felt and other types as well - pipeline felt and tank jackets are excluded.

List of Establishments classified to this industry, 1965

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

Name	Location
Quebec:	
Asbestonos Corporation Ltd.	48 Fort St., St. Lambert
Aspen-Hill Ltd.	213 Boulevard du Havre, Valleyfield
Atlas Asbestos Co., Division of Bell Asbestos Mines Ltd.	5600 Hochelaga St., Montreal 5
Canadian Johns-Manville Co. Ltd.	Asbestos
Columbia Acoustics and Fireproofing Co. (Canada) Ltd.	9830 Ray Lawson Blvd., Ville d'Anjou
Ontario:	
Abex Industries of Canada Ltd. (American Brakeblok Div.)	50 Colborne St., Lindsay
Atom-Olive Products	1000 Martin Grove Rd., Rexdale
Canadian Johns-Manville Co. Ltd.	Col. Danforth Trail, West Hill
Capsite Insulations Ltd.	200 Exmouth St., Sarnia
Insulation Specialties	Collins Bay
Ra-Ko Cutting and Fabricating	3513 Mavis Rd., Cooksville
Raybestos-Manhattan (Canada) Ltd.	280 Perry St., Peterborough
Wild, A.C., Ltd.	80 Signet Drive, Weston
British Columbia:	
Acme Asbestos Ltd.	1222 East 67th Ave., Vancouver 15
Asbestos Cement Products Ltd.	11105 Bridge St., North Surrey
Capsite Insulations Ltd.	12681-82nd Ave., North Surrey
Durra Pipe Co. Ltd.	11039 Bridge St., North Surrey

CONCEPTS AND DEFINITIONS

Census of Manufactures

General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 55 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

The reporting unit for the Census is designated as the **establishment** (see definition of "Establishment" in following section) and a return is requested from every establishment classified to a manufacturing industry. Although respondents are required to submit reports covering the calendar year, financial year reports other than the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. When an establishment is operated for only part of a year a report is required covering the period of operation.

There are four different questionnaires used in the Census of Manufactures; (a) short form (b) long form (c) head office questionnaire and (d) commodity questionnaire. The short and long forms are used to obtain principal statistics and commodities shipped from establishments classified to manufacturing industries and differ only in the amount of detail requested. The short form is a single-sheet questionnaire sent to small manufacturers generally reporting shipments of less than \$100,000; this cut-off, however, varies somewhat between industries. The head office questionnaire is generally used for company head offices and/or auxiliary units separately located from the manufacturing establishment(s), (see following notes on Head offices and auxiliary units). The Commodity questionnaire is used to survey certain establishments which are coded (on the basis of their principal activity) to industries other than manufacturing in the Standard Industrial Classification system, but which undertake some manufacturing as a subsidiary activity. This single-sheet questionnaire is designed to collect information on the quantity and value of goods of own manufacture shipped by such establishments in order to achieve full coverage of domestically manufactured commodities (see the following note under Shipments).

The results of the Census are presented in some 135 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures; (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the reports reflect the complete implementation of these changes and enable comparisons to be made back to and including 1961. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

Establishment

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. The majority of such establishments are firms but many firms have more than one establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements embodied in the following definition of the "establishment":

"The smallest unit which is a separate operating entity capable of reporting the following principal statistics:

- Materials and supplies used
- Goods purchased for resale as such
- Fuel and power consumed
- Number of employees and salaries and wages
- Man-hours worked and paid
- Inventories
- Shipments or sales."

Each establishment is required to report on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on the different activities (manufacturing, trading in goods not of own manufacture, construction by own labour

force, revenue from services, etc.) are requested to be reported separately. It should be noted that the statistics for separate activities are not completely consistent since some respondents cannot distinguish, in their records, materials, shipments and inventories relating solely to their own manufacturing activities. For example, inventory of goods purchased for re-sale may not be distinguishable from inventory of own manufactured goods. Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level and for studies or statistical measures requiring accurate coordinated data, the "total" statistics should be used.

The number of establishments represents the number of operating units that are principally engaged in the activities of the manufacturing industries to which they have been classified. These units do not necessarily represent the total number engaged in the production of a commodity mainly produced in a certain industry. Some commodities are produced as secondary products in other manufacturing and non-manufacturing industries. It should be noted that head offices and auxiliary units which are surveyed separately are not included in the establishment count, (see following notes on head offices and auxiliary units).

Head Offices and Auxiliary Units

All head offices and auxiliary units of companies classified to the manufacturing industries such as sales offices, administrative offices, warehouses, laboratories, etc. are now surveyed as part of the Census of Manufactures.

These head offices and auxiliary units are either included in an establishment report or are surveyed by means of the head office questionnaire. The former is the most common case where a single establishment firm has its executive personnel, sales office, etc. located at the site of the manufacturing plant (establishment). The special head office questionnaire is generally used where a firm, regardless of the number of establishments, has separately located offices or auxiliary units. Such offices or units do not constitute establishments within the Census of Manufactures as they do not normally generate operational revenues, but give rise only to costs of operations (mainly salaries and wages) which are automatically included in the value of shipments or sales. Although not considered as establishments, and hence, not included in the "establishment" count for an industry, the operational costs are reflected in either the "Industry" statistics (3 or 4 digit level) or the "Major group" statistics (2 digit level) according to the following rules:

(a) In the case of single establishment firms, statistics for separately located offices and units are classified to the same industry (3 or 4 digit) as the establishment;

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the firm, when all establishments are in the same industry (3 or 4 digit). When establishments of

such firms are coded (1) to different industries within a major group, (2) to industries in different major groups or (3) to industries in different divisions of the Standard Industrial Classification, then the statistics are included in the major group totals (2 digit level) in which the major part of the company's operations are classified. Although this may result in some distortion of major group statistics in the case of (2) and (3) the statistics at the industry (3 or 4 digit) level in all cases will be left free of these company-wide data.

Employees

(a) Production and related workers — Manufacturing activities

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. For those establishments reporting on the "long" form, production and related workers engaged in manufacturing activity are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. In the case of those establishments reporting on the "short" form, respondents are requested to report average annual figures. The man-hours of production and related workers in manufacturing activity represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). Data on man-hours are not collected from establishments reporting on the short form. Man-hours for these establishments are estimated on the basis of ratios derived from the 1958 census. During this census all establishments reported on the long form. In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

(b) Production and related workers — Non-manufacturing activities

Such employees include those on manufacturing establishments' payrolls engaged in activities such as construction undertaken for the use of these establishments, some outside piece-workers employed in certain industries, logging employees who are reported as part of a sawmilling establishment and any other production workers who are not engaged in manufacturing-type operations.

(c) Administrative and office employees

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers, etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the line supervisor or working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical, etc. It should be noted that prior to 1961 this category also included working owners and partners. Also included in this category are employees located at head offices or auxiliary units separately located from the establishment; these are generally included in the figures for the province in which they are located according to the rules outlined under "Head offices and auxiliary units" above.

(d) Sales and distribution workers

This category includes office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truckdrivers and their helpers, etc. It may also include some sales employees who are reported as part of a manufacturing establishment but are not working at the establishment's location. These are generally broken down by province in cases where more than 15 employees are involved in any one province. The figures exclude persons working on a commission basis who are not considered regular employees of the establishment.

(e) Total Employees

This total comprises the foregoing categories including employees located at separately located head offices and auxiliary units. The numbers of employees included under categories (b), (c) and (d) are reported in the form of annual averages and represent as closely as possible full time employment; adjustments are made when reported figures indicate the existence of part time or seasonal employment. In all the above categories, figures on employment refer to the calendar year whether or not other establishment statistics can only be reported on a fiscal year other than the calendar year.

Working Owners or Partners

These are not now included in the statistics of employees and salaries and wages. There is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each Census return. Withdrawals of working owners are defined as amounts withdrawn by owners or partners for normal living expenses excluding withdrawals for payment of income tax.

Salaries and Wages

Salaries and wages refer to gross earnings of employees **before** deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages,

bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives, etc.), not to purchases unless the quantities are substantially the same. **Any fuel and electricity produced by establishments for internal consumption are not included in the total cost.** Values represent laid down cost at the establishment including freight, duty, etc. Although fuel and electricity used is considered part of manufacturing activity it should be noted that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

Materials and Supplies

(a) Manufacturing activities

Figures represent quantities and laid down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. These statistics represent only commodity items or physical goods (cost of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts charged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.

(b) Non-manufacturing activities

1. Purchases for re-sale as such

Figures represent cost of materials or products purchased from others by the reporting establishment (or received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.

2. Other materials and supplies used

Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Amounts paid to outside contractors for construction and repair work are not included nor is the cost of

purchased machinery and equipment. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

Shipments

(a) General

The figures represent revenue from all production, sales, services and related activities of reporting establishments with shipments valued in Canadian dollars at the point at which the establishment relinquishes control. The unsold portion at year end of consignment shipments in Canada is treated as inventory and not as shipments but all shipments to foreign countries for which the form B13 "Customs Canada Export Entry" has been completed, are treated as shipments.

In those industries where work on principal products extends over a relatively long period, (Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair Industry) the value of production rather than the value of shipments is recorded. There are certain establishments in other industries which also operate on a basis of progress payments. For these establishments, shipments are also adjusted to work put in place on the basis of the net change in progress payments over the year.

(b) Shipments of goods of own manufacture

These figures represent shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost (book value) of any goods shipped on a rental basis.

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm, when such units are treated as separate establishments. The value of shipments are net of returned goods, discounts, returns, allowances, sales tax and excise taxes and duties, returnable containers and charges for outward transportation by common or contract carriers. Transportation or delivery expense incurred by the reporting establishment's own carriers are included.

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity

are collected by means of the Commodity questionnaire referred to earlier. Such shipments together with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

(c) Shipments of goods not of own manufacture

These figures represent the net selling value at establishment (net of discounts, returns, allowances, sales taxes and excise duties and taxes and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship such goods on a rental basis, the value of shipments represents the book value of these goods. All sales of consignment goods from other countries are included.

(d) Other revenue

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs, alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishment's own employees and for which depreciation accounts are maintained. Included also are any revenues from the sale of electricity and from any operations performed by the establishment's own employees, such as revenue from goods produced or purchased for rental (the book value of such goods are included as part of shipments of goods of own manufacture or shipments of goods not of own manufacture), servicing revenues, commissions on sales (when not included in value of sales), revenue for company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishment's own products, sale of used materials (excluding sale of used fixed assets) research and development work, etc. As mentioned previously the figures do not include non-operating revenue such as rent, dividends, interest, etc.

Inventories

(a) Manufacturing activities

Values represent the book values of manufacturing inventory owned in Canada. Inventories held for which progress payments have been received are not included. Where progress payment accounts are maintained, the change in these accounts is treated as a net adjustment to shipments. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Goods shipped abroad and held in inventory are included in shipments. Opening inventories may differ from the closing inventories of the previous year because of changes in classification, the

receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

(b) Non-manufacturing activities

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

Value Added

(a) By manufacturing activities

Figures are compiled by deducting the cost of manufacturing materials, supplies, etc. and fuel and electricity consumed from the (value of shipments of goods of own manufacture adjusted for changes in the value of inventories of finished goods and goods in process).

(b) By non-manufacturing activities

The figures are compiled by deducting the cost of goods purchased for re-sale (adjusted for changes in the value of inventories of goods pur-

chased for re-sale) and the cost of non-manufacturing materials and supplies used from the value of shipments of goods not of own manufacture, plus other revenue.

(c) By Total activities

The figures consist of value added by manufacturing activities plus value added by non-manufacturing activities. This total value added figure may, in some cases, be less than value added by manufacturing activities as a result of expenditures associated with non-manufacturing exceeding revenues from such activities or because of a decrease in inventory of goods not of own manufacture exceeding the mark-up on the sale of such goods. "Value added" is sometimes referred to as net output or net production. However, to arrive at the National Accounts concept of net production, or Gross Domestic Product at "Factor cost" it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected as part of the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, "Survey of Production".

1. The first part of the document is a letter from the President of the United States to the Congress, dated January 1, 1861. It is a very important document, as it sets out the policy of the new administration.

2. The second part of the document is a report from the Secretary of the Treasury, dated January 1, 1861. It contains a detailed account of the financial state of the country at the time.

3. The third part of the document is a report from the Secretary of the Interior, dated January 1, 1861. It contains a detailed account of the state of the public lands and the progress of the various departments under his control.

4. The fourth part of the document is a report from the Secretary of the Navy, dated January 1, 1861. It contains a detailed account of the state of the navy and the progress of the various departments under his control.



STATISTICS CANADA LIBRARY
BIBLIOTHEQUE STATISTIQUE CANADA



1010646556