

CATALOGUE No.

44-210

ANNUAL

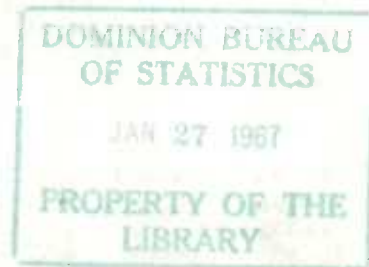


CANADA

OTHER NON-METALLIC MINERAL PRODUCTS INDUSTRIES

1964

ANNUAL CENSUS
OF MANUFACTURES



Published by Authority of
The Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry Division

January 1967
6506-854

Price: 50 cents

CATALOGUE NO.
OIS-44
1988/1

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
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

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 Information and Public Relations Division, Ottawa or to the Queen's Printer, Hull, P.Q.

OTHER NON-METALLIC MINERAL PRODUCTS INDUSTRIES 1964

For statistical purposes the industry titled Other Non-metallic Mineral Products Industries in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing miscellaneous non-metallic mineral products not elsewhere classified, such as mica products, expanded vermiculite, expanded perlite, roofing granules. Establishments primarily engaged in manufacturing petroleum and coal products are classified to the Petroleum and Coal Products Industries.

Value of shipments and other revenue (manufacturing and non-manufacturing) of the Other Non-metallic Mineral Products Industries amounted to \$16,976,000 in 1964, compared with \$14,404,000 in 1963, an increase of \$2,572,000 or about 18 per cent. Included in this total were shipments of foundry supplies (facings, partings, core oil, etc.) valued at \$1,620,000, expanded perlite valued at \$276,000, expanded vermiculite valued at \$1,878,000 and other light weight aggregates valued at \$1,455,000. Other products shipped by this industry included porcelain enamel frit, fabricated mica, ground earths, roofing granules, etc. Other revenue (non-manufacturing) amounted to \$913,000.

The cost of materials and supplies, etc. used in the production of goods of own manufacture increased by \$897,000. Cost of materials and supplies, etc. (inputs) in 1964 represented 46 per cent of value of shipments of own manufacture (outputs) compared to 48 per cent in 1963.

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	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000		\$'000		
1961													
Totals	35	300	660	1,189	374	5,680	11,300	5,235	x	x	487	2,277	5,406
1962													
Totals	39	363	798	1,463	453	6,404	13,454	6,455	x	x	585	2,752	6,644
1963													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec	12	79	185	283	78	1,203	2,400	1,146	x	x	128	554	1,144
Ontario	14	175	381	744	249	4,148	8,639	4,399	-	-	331	1,718	4,551
Manitoba	4	x	x	x	x	x	x	x	x	x	x	x	x
Saskatchewan	1	x	x	x	x	x	x	x	-	-	x	x	x
Alberta	5	61	138	259	106	573	1,448	875	-	-	84	355	677
British Columbia	6	28	57	99	31	325	660	278	x	x	38	148	276
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	43	366	810	1,477	509	6,448	13,567	6,672	x	x	615	2,898	6,820
1964													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec	11	82	187	290	71	1,296	2,870	1,300	x	x	140	611	1,312
Ontario	13	210	471	941	309	4,986	10,534	5,357	-	-	374	2,019	5,589
Manitoba	3	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	5	59	130	236	112	491	1,556	975	-	-	71	296	972
British Columbia	8	35	72	125	47	492	1,093	550	x	x	51	214	548
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	41	395	880	1,625	546	7,346	16,063	8,289	x	x	650	3,190	8,527

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	-	-	-	-	-	-	-	-	-	-	-	-	
\$ 10,000 to \$ 24,999	3	4	8	10	2	10	40	26	-	-	6	16	26
25,000 "	8	20	42	68	11	146	305	187	x	x	33	121	207
50,000 "	9	29	61	98	60	302	640	307	-	-	51	193	416
100,000 "	7	35	75	143	37	496	939	417	x	x	47	193	420
200,000 "	10	127	287	485	168	1,418	3,258	1,541	-	-	184	797	1,540
500,000 "	3	34	82	139	33	1,495	2,471	965	-	-	78	392	977
1,000,000 "	3	117	255	533	199	2,580	5,913	3,230	-	-	216	1,187	3,234
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	43	366	810	1,477	509	6,448	13,567	6,672	x	x	615	2,898	6,820
1964													
Under \$10,000	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 10,000 to \$ 24,999	5	8	17	20	2	31	82	50	x	x	11	29	53
25,000 "	4	4	8	14	5	49	142	80	-	-	8	31	80
50,000 "	6	19	39	61	21	226	467	225	-	-	35	157	351
100,000 "	7	31	64	131	35	465	980	512	x	x	44	196	518
200,000 "	12	145	325	540	218	1,839	4,270	2,230	-	-	223	1,024	2,239
500,000 "	7	188	427	859	265	4,735	10,122	5,192	-	-	329	1,753	5,285
1,000,000 "	7	188	427	859	265	4,735	10,122	5,192	-	-	329	1,753	5,285
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	41	395	880	1,825	546	7,346	16,063	8,289	x	x	650	3,190	8,527

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	3	3	6	8	1	28	48	18	x	x	4	10	18
\$ 10,000 to \$ 24,999	7	26	56	84	44	169	312	136	-	-	43	161	246
25,000 "	11	32	66	118	39	404	787	375	-	-	54	208	399
50,000 "	8	60	131	242	93	588	1,352	574	x	x	85	336	574
100,000 "	6	60	143	239	69	1,053	2,013	879	-	-	101	486	874
200,000 "	4	52	116	194	55	1,159	2,170	955	-	-	73	302	974
500,000 "	4	133	292	593	208	3,047	6,885	3,735	-	-	255	1,395	3,735
1,000,000 "	4	133	292	593	208	3,047	6,885	3,735	-	-	255	1,395	3,735
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	43	366	810	1,477	509	6,448	13,567	6,672	x	x	615	2,898	6,820
1964													
Under \$10,000	3	3	6	7	1	16	35	19	x	x	4	9	19
\$ 10,000 to \$ 24,999	7	11	23	36	8	89	238	134	-	-	20	69	137
25,000 "	6	20	40	65	27	270	540	249	-	-	33	151	376
50,000 "	7	50	106	201	62	685	1,280	503	x	x	70	324	509
100,000 "	6	57	138	236	75	758	1,797	981	-	-	87	416	976
200,000 "	7	88	190	305	123	1,354	3,185	1,770	-	-	144	627	1,783
500,000 "	5	166	376	776	250	4,175	8,986	4,633	-	-	292	1,594	4,727
1,000,000 "	5	166	376	776	250	4,175	8,986	4,633	-	-	292	1,594	4,727
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	41	395	880	1,825	546	7,346	16,063	8,289	x	x	650	3,190	8,527

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	3	3	6	8	1	28	48	18	x	x	4	10	18
\$ 10,000 to \$ 24,999	8	20	44	69	40	138	254	114	-	-	32	116	111
25,000 " 49,999	9	21	43	74	32	283	589	297	-	-	37	131	297
50,000 " 99,999	10	71	154	266	100	709	1,549	651	x	x	102	413	877
100,000 " 199,999	7	66	155	253	72	1,084	2,071	902	-	-	112	531	1,010
200,000 " 499,999	4	52	116	194	55	1,159	2,170	955	-	-	73	302	974
500,000 " 999,999	4	133	292	593	208	3,047	6,885	3,735	-	-	255	1,395	3,735
1,000,000 " 4,999,999													
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	43	366	810	1,477	509	6,448	13,567	6,672	x	x	615	2,898	6,820
1964													
Under \$10,000	3	3	6	7	1	16	35	19	x	x	4	9	19
\$ 10,000 to \$ 24,999	7	11	23	36	8	89	238	134	-	-	20	69	137
25,000 " 49,999	5	13	27	47	24	234	465	214	-	-	21	98	214
50,000 " 99,999	7	50	106	201	62	685	1,280	503	x	x	70	324	509
100,000 " 199,999	7	64	152	254	79	794	1,872	1,016	-	-	99	470	1,138
200,000 " 499,999	7	88	190	305	123	1,354	3,185	1,770	-	-	144	627	1,783
500,000 " 999,999	5	166	376	776	250	4,174	8,986	4,633	-	-	292	1,594	4,727
1,000,000 " 4,999,999													
5,000,000 and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	41	395	880	1,625	546	7,346	16,063	8,289	x	x	650	3,190	8,527

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	16	33	70	106	35	467	1,079	579	x	x	46	162	578
5- 14 employed	17	104	235	426	143	1,888	3,418	1,478	-	-	157	658	1,627
15- 49 " 49	10	229	505	945	332	4,093	9,070	4,615	-	-	412	2,078	4,615
50- 99 " 99													
100-199 " 199													
200-499 " 499	-	-	-	-	-	-	-	-	-	-	-	-	-
500 employed and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	43	366	810	1,477	509	6,448	13,567	6,672	x	x	615	2,898	6,820
1964													
Under 5 employed	15	27	59	95	36	483	1,054	535	x	x	40	154	538
5- 14 employed	12	76	159	314	100	1,588	3,294	1,659	x	x	115	551	1,793
15- 49 " 49	11	166	370	589	183	2,396	5,269	2,670	-	-	264	1,159	2,671
50- 99 " 99													
100-199 " 199													
200-499 " 499	3	126	291	627	227	2,878	6,446	3,426	-	-	231	1,326	3,525
500 employed and over	-	-	-	-	-	-	-	-	-	-	-	-	-
Head offices, sales offices and auxiliary units	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	41	395	880	1,625	546	7,346	16,063	8,289	x	x	650	3,190	8,527

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

Type of organization	Estab- lish- ments	Manufacturing activity							Total activity					
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	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														
Individual ownerships	}	43	366	810	1,477	509	6,448	13,567	6,672	x	x	615	2,898	6,820
Partnerships														
Incorporated companies														
Co-operatives .....	-	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	43	366	810	1,477	509	6,448	13,567	6,672	x	x	615	2,898	6,820	
1964														
Individual ownerships	}	41	395	880	1,625	546	7,346	16,063	8,289	x	x	650	3,190	8,527
Partnerships														
Incorporated companies														
Co-operatives .....	-	-	-	-	-	-	-	-	-	...	...	-	-	-
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	41	395	880	1,625	546	7,346	16,063	8,289	x	x	650	3,190	8,527	

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						
Output						
1. Shipments and other revenue	13,567	16,063	837	913	14,404	16,976
Inventories—Goods of own manufacture:						
Add closing—Goods in process	283	264	...	...	283	264
Finished goods	1,169	1,231	...	...	1,169	1,231
Deduct opening—Goods in process	312	283	...	...	312	283
Finished goods	1,076	1,094	...	...	1,076	1,094
2. Net inventory change	64	118	...	...	64	118
3. Gross output (1 + 2)	13,631	16,181	837	913	14,468	17,094
Input						
4. Purchases of goods not of own manufacture .....	...	...	654	623	654	623
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	57	72	57	72
Deduct closing .....	...	...	72	64	72	64
5. Cost of goods sold (not of own manufacture) .....	...	...	639	631	639	631
6. Materials, supplies, etc.	6,448	7,346	49	43	6,497	7,389
7. Fuel and electricity	509	546	...	...	509	546
8. Gross input (5 + 6 + 7)	6,957	7,892	688	674	7,645	8,566
Value added (3 - 8)	6,672	8,289	149	239	6,820	8,527

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 distribution	Total
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufacturing	Other			
	Male	Female	Male	Female											
	number										\$'000				
1963															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	x	-	-	-	x	x	x	-	x	x	x	-	x	x	x
Quebec	69	10	1	-	34	14	-	-	104	24	283	1	270	-	554
Ontario	169	6	5	1	87	34	29	-	290	41	744	54	688	233	1,718
Manitoba	x	-	-	-	x	x	x	-	x	x	x	-	x	x	x
Saskatchewan	x	-	-	-	x	x	x	-	x	x	x	-	x	x	x
Alberta	61	-	14	-	8	-	1	-	84	-	259	39	50	7	355
British Columbia	28	-	-	-	5	3	2	-	35	3	99	-	34	15	148
Yukon and Northwest Terri-tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	350	16	20	1	142	52	34	-	546	69	1,477	94	1,065	262	2,898
1964															
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	x	-	-	-	x	-	-	-	x	-	x	-	x	-	x
Quebec	69	13	1	-	33	18	6	-	109	31	290	1	287	33	611
Ontario	201	9	-	-	99	35	29	1	329	45	941	-	828	250	2,019
Manitoba	x	-	-	-	x	-	-	-	x	-	x	-	x	-	x
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	59	-	2	-	8	2	-	-	69	2	236	3	57	-	296
British Columbia	35	-	-	-	9	4	3	-	47	4	125	-	67	22	214
Yukon and Northwest Terri-tories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	373	22	3	-	154	59	38	1	568	82	1,625	5	1,255	305	3,190

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	322	14	349	17
February	345	15	360	20
March	349	16	377	22
April	333	16	375	23
May	340	16	366	24
June	347	17	389	24
July	372	15	390	22
August	363	15	398	23
September	374	17	372	20
October	369	17	372	23
November	361	17	364	23
December	351	16	362	23
Averages	350	16	373	22
Establishments reporting annual averages (small establishments only) .....	...	...	...	...
Average for all establishments	350	16	373	22

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	x	-	x	x	-	x
Quebec	308	44	47	399	-	399
Ontario	755	161	688	1,603	62	1,666
Manitoba	x	-	x	x	-	x
Saskatchewan	-	-	-	-	-	-
Alberta	325	78	267	671	9	680
British Columbia	124	-	71	196	-	196
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	1,545	283	1,094	2,922	72	2,993
Closing:						
Newfoundland	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-
New Brunswick	x	-	x	x	-	x
Quebec	359	31	58	448	6	454
Ontario	807	184	762	1,753	52	1,805
Manitoba	x	-	x	x	-	x
Saskatchewan	-	-	-	-	-	-
Alberta	290	48	319	658	6	664
British Columbia	116	-	68	184	-	184
Yukon and Northwest Territories	-	-	-	-	-	-
Totals	1,611	264	1,231	3,106	64	3,170

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	-	-	-
(b) Imported	"	-	-	-
Sub-bituminous coal (from Alberta mines only)	"	-	-	-
Anthracite coal	"	-	-	-
Lignite coal	"	-	-	-
Coke	"	-	-	-
Gasoline (including gasoline used in cars and trucks)	imp. gal.	99,237	36	101,619
Fuel oil including kerosene or coal oil	"	1,025,076	131	906,564
Wood	cord	-	-	-
Gas:				
(a) Liquefied petroleum gases	imp. gal.	620	-	27,694
(b) Other manufactured gas	M cu. ft.	-	-	-
(c) Natural gas	"	348,881	153	340,392
Other fuel .....		...	-	-
Electricity purchased	kwh.	12,934,487	187	14,389,628
Steam purchased .....		...	-	-
2. Small establishments not reporting commodity detail:				
Estimate for fuel and electricity .....		...	21	...
3. All establishments:				
Total fuel and electricity used .....		...	509	...

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

Description	1963		1964	
	Quantity	Cost	Quantity	Cost
		\$'000		\$'000
1. Materials used:				
Coal, bituminous..... ton	2,179	24	-	-
Litharge..... lb.	382,566	50	337,000	54
Mica, raw..... "	213,000	107	257,921	129
Silica sand or quartz..... ton	2,830	52	3,371	62
Sodium silicate..... lb.	3,274,506	64	4,317,902	81
Titanium dioxide..... "	1,569,556	359	1,930,847	451
All other materials and components used ¹.....	...	4,686	...	5,251
2. Containers and other packaging materials and supplies used.....	...	470	...	520
3. Operating, maintenance and repair supplies used (excluding fuel).....	...	605	...	781
4. Amount paid out to others for work done on materials owned by establishments.....	...	32	...	17
Totals.....	...	6,449	...	7,346

¹ No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$243,773 in 1963 and \$276,156 in 1964.

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

Description	1963		1964	
	Quantity	Value	Quantity	Value
	ton	\$'000	ton	\$'000
1. Products:				
Foundry supplies (core oil, facings, partings, etc.).....	..	1,223	..	1,620
Perlite, expanded.....	..	298 ²	..	276
Vermiculite, expanded.....	..	1,771	..	1,878
Light-weight aggregates, other (expanded clay, expanded slag, haydite, etc.).....	222,580	1,343	244,040	1,455
Other minerals and earths, ground or otherwise treated, including roofing granules.....	..	3,314 ²	..	3,863
All other products.....	...	5,576 ²	...	7,013
2. Amount received in payment for work done on materials and products owned by others.....	...	42	...	18
Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above.....	...	(-)	...	(60)
Net adjustment for establishments receiving progress payments.....	...	-	...	-
Total adjusted value of shipments and work done.....	...	13,567	...	16,063

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
New Brunswick:	
Kon-Krete Ltd.....	671 Wilson St., Lancaster
Quebec:	
Airmat Corporation Ltd.....	1290 Rosemont St., Montreal
Hyde, F. and Company Ltd.....	2315 Côte-de-Liesse Rd., Montreal 9
Industrial Fillers Ltd.....	4820-4th Ave., Montreal 36
Industrial Granules Ltd.....	2900 Delorimier Ave., Ville Jacques-Cartier
Laurentide Perlite Inc.....	Charlesbourg West
Metallurgical Specialties Ltd.....	2675 Bonin St., Sherbrooke
Mica Co. of Canada Ltd.....	4 Lois St., Hull
Perlite Industries Reg'd.....	500 Canal Bank, Ville St-Pierre
Quebec Pottery Inc.....	655 Desnoyers St., Montreal 30
Sherbrooke Perlite Inc.....	Lennoxville
Vermiculite Insulating Ltd.....	1775-52nd Ave., Lachine

List of Establishments classified to This Industry, 1964 - Concluded

Name	Location
Ontario:	
Biorganic Fertilizers Ltd.....	Kingsville
Chicago Vitreous (Canada) Ltd.....	30 Wilson St., Ingersoll
Ferro Enamels (Canada) Ltd.....	Davis Rd., Oakville
Foseco Canada Ltd.....	201 Alice St., Guelph
Hamilton Facing Mill Company Ltd.....	249 Hess St. N., Hamilton
Hyde, F., (Ontario) Ltd.....	3536-3540 Dundas St. W., Toronto and St. Thomas
Industrial Minerals of Canada Ltd.....	Whitby
Lime-Sand Mortar (Toronto) Ltd.....	Syms Rd., Toronto
Medusa Products Company of Canada Ltd.....	Spruce St., Paris
Minnesota Minerals Ltd.....	Havelock
National Slag Ltd.....	Windermere Rd., Hamilton
Thermospacer of Canada Ltd.....	59 First Ave., Schumacher
Wilkinson Foundry Facing and Supply Co. Ltd.....	81 Florence St., Toronto
Manitoba:	
Cermatex (Western) Ltd.....	Nairn Av. & Gateway Rd., Winnipeg 5
Mid West Expanded Ores Co. Ltd.....	163 Messenger St., St. Boniface
Perlite Products Ltd.....	500 Raleigh St., Winnipeg
Alberta:	
Baroid of Canada Ltd.....	Onoway
Edmonton Concrete Block Co. Ltd.....	16333-137 Ave., Edmonton
Grant Industries Div. of Eddy Match Co. Ltd.....	1240-10th Ave. S. W., Calgary
Magnet Cove Barium Corp. Ltd.....	Rosalind
Mountain Minerals Ltd.....	3405-6th Ave. S., Lethbridge
British Columbia:	
B.C. Lightweight Aggregates Ltd.....	Saturna Island
Crest Cements of Canada Ltd.....	5707 Beresford St., South Burnaby
Grant Industries Div. of Eddy Match Co. Ltd.....	476 Industrial Ave., Vancouver
Mollison and Scarff.....	Rainbow Rd., Ganges
Perlite Industries Ltd.....	2995 Wall St., Vancouver
Richmond Industrial Minerals Ltd.....	8255 Wiggins St., South Burnaby
Target Concrete Products Ltd.....	620 Taylor St., Vancouver
Vantec Industries Ltd.....	881 River Rd., Richmond

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.

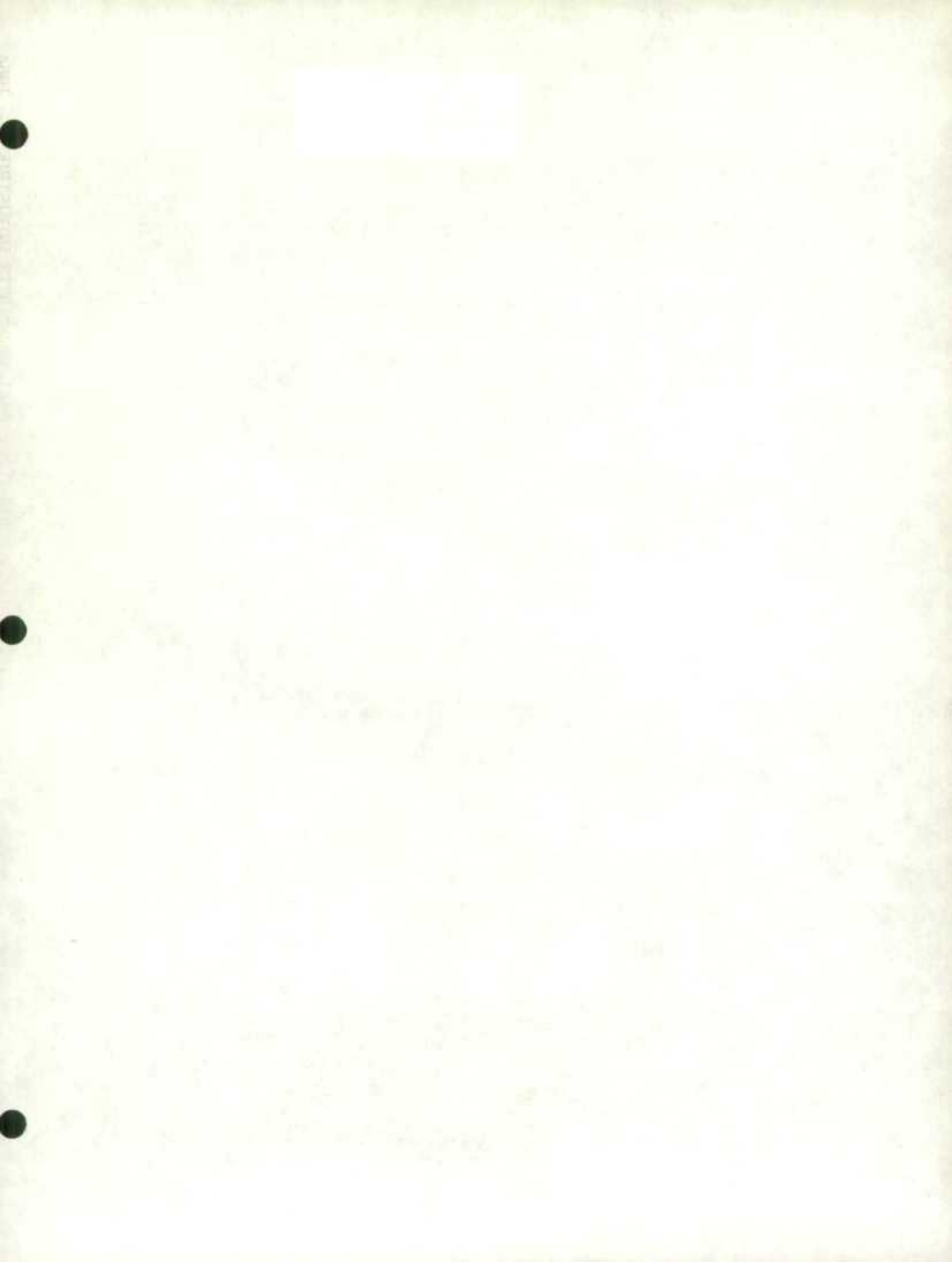
(c) By Total activities

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".

1870
1871
1872

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1870	10	15	20	25	30	35	40	45	50	55	60	65
1871	12	18	23	28	33	38	43	48	53	58	63	68
1872	14	20	25	30	35	40	45	50	55	60	65	70





STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010657238

OTHER NON METALLIC MINERAL PRODUCTS INDUSTRIES 1064