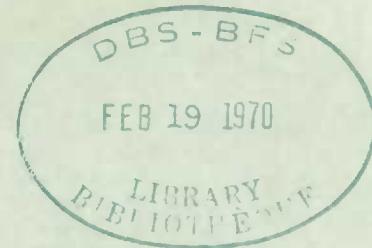


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LIME MANUFACTURERS

1968

ANNUAL CENSUS OF MANUFACTURES

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SYMBOLS

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

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

NOTES TO USERS

1. The detailed explanations of "Concepts and Definitions" omitted from this report may be consulted in any 1965 report in this series. If not available to the user, the relevant pages may be obtained free of charge from the Manufacturing and Primary Industries Division of the Bureau.
2. In order to expedite the release of such basic statistics as materials and supplies used, and shipments of goods of own manufacture, the following tables have been omitted from this report:
 - (a) Principal statistics classified by manufacturing value added, by total value added, and by type of organization, last published in the 1966 report as Tables 3, 4 and 6, respectively.
 - (b) Principal statistics classified by shipments of goods of own manufacture and by total employed, last published in the 1967 report as Tables 2 and 3, respectively.

The above tables are available on request, however, from the Manufacturing and Primary Industries Division. Similarly, the list of establishments classified to the industry, omitted from this report in the interests of both timeliness and economy, is available on request. In the case of an extensive request involving a large number of industries, it may be necessary to levy a charge.

3. Users interested in obtaining the value of production (manufacturing activity) can do so by adding cost of materials and supplies used (manufacturing activity), cost of fuel and electricity, and value added (manufacturing activity). The resulting statistic is equivalent in concept to "gross output" shown in Table 7 of the 1966 report.

LIME MANUFACTURERS
(S.T.C. No. 3)

1968

For statistical purposes the industry titled Lime Manufacturers covers the operations of establishments primarily engaged in manufacturing quicklime, hydrated lime and dead-burned dolomite.

Value of shipments and other revenue (Manufacturing and non-manufacturing) of the Lime Manufacturers industry totalled \$14.1 millions, a decrease of \$0.2 million from 1967. This amount included shipments of quicklime and hydrated lime valued at \$10.6 millions, shipments of other products (secondary products) valued at \$3.4 millions, and other revenue of \$122,000.

This industry's shipments of lime products represented 75.7 per cent of its manufacturing revenue. Secondary products shipped in 1968 included limeburner, mortar mix, etc.

The cost of materials and supplies, fuel and electricity, etc., (inputs), used in the production of goods of own manufacture, increased by \$400,000. Cost of inputs in 1968 represented 38.1 per cent of the value of shipments of own manufacture (outputs), compared to 38.7 per cent in 1967.

TABLE 1. PRINCIPAL STATISTICS, 1961-68

Year and provinces	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	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1961	21	734	1,676	3,065	2,239	1,785	12,989	8,955	x	x	847	3,598	8,941
1962	22	775	1,736	3,232	2,505	2,153	14,503	9,792	x	x	949	4,016	9,766
1963	21	698	1,535	3,118	2,427	2,211	14,914	10,277	x	x	886	4,058	10,365
1964	17	619	1,369	2,836	2,594	2,302	15,419	10,473	x	x	815	3,897	10,478
1965	14	644	1,438	3,078	2,862	2,545	16,229	10,791	x	x	800	3,934	10,774
1966	13	626	1,408	3,119	2,782	2,439	13,981	8,825	-	-	785	4,077	9,049
<u>1967</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
New Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec	2	x	x	x	x	x	x	x	-	-	x	x	x
Ontario	5	301	652	1,733	1,620	1,349	6,997	4,005	-	-	344	2,004	3,953
Manitoba	3	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	2	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	13	577	1,273	3,119	2,612	2,294	12,606	7,769	-	-	724	4,043	7,973
<u>1968</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
New Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	x	x	x	x	x	x	x	-	-	x	x	x
Quebec	2	x	x	x	x	x	x	x	-	-	x	x	x
Ontario	5	298	658	1,825	1,742	1,531	7,938	4,712	-	-	348	2,182	4,692
Manitoba	1	x	x	x	x	x	x	x	-	-	x	x	x
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	2	x	x	x	x	x	x	x	-	-	x	x	x
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	11	536	1,185	3,102	2,837	2,502	13,942	8,573	-	-	662	4,018	8,505
<u>Percentage change</u>													
1966-1967	-	+ 7.8	+ 9.6	-	+ 6.1	+ 5.9	+ 9.8	+ 12.0	-	-	+ 7.8	+ 5.8	+ 11.2
1967-1968	-	+ 15.4	+ 7.1	+ 6.9	+ 0.5	+ 8.6	+ 0.0	+ 10.6	+ 10.3	-	+ 8.6	+ 0.9	+ 8.8

TABLE 2. EMPLOYMENT AND PAYROLL, 1967 AND 1968

Year and province	Employees												Salaries and wages			
	Production and related workers				Administrative and office		Sales and distribution		Total		Production and related workers		Administrative and office	Sales and distribution	Total	
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Male	Female	Manufacturing	Other		
number																
<u>1967</u>																\$'000
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	x	-	-	-	x	x	-	x	x	x	x	x	-	-	-	-
Quebec	x	-	-	-	x	x	x	x	x	x	x	x	-	-	x	x
Ontario	301	-	-	-	39	4	-	-	340	4	1,733	-	270	-	-	2,004
Manitoba	x	-	-	-	x	x	-	-	x	x	x	x	-	x	-	x
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	x	-	-	-	x	-	x	-	x	-	x	-	x	x	x	x
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	577	-	-	-	110	20	12	5	699	25	3,119	-	810	114	4,043	
<u>1968</u>																
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	x	-	-	-	x	x	-	x	x	x	x	x	-	x	-	x
Quebec	x	-	-	-	x	x	x	x	x	x	x	x	-	x	x	x
Ontario	298	-	-	-	45	5	-	-	343	5	1,825	-	357	-	-	2,182
Manitoba	x	-	-	-	-	-	-	-	x	-	x	-	-	-	-	-
Saskatchewan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta	x	-	-	-	x	-	x	-	x	-	x	-	x	x	x	x
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	536	-	-	-	91	19	11	5	638	24	3,102	-	793	123	4,018	

TABLE 3. INVENTORYES, 1968

Province	Manufacturing				Non-manufacturing	
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total		
book value \$'000						
<u>Opening</u>						
Newfoundland	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	
Nova Scotia	-	-	-	-	-	
New Brunswick	x	-	x	x	x	
Quebec	x	-	x	x	x	
Ontario	193	-	8	58	260	
Manitoba	x	-	x	x	x	
Saskatchewan	-	-	-	-	-	
Alberta	x	-	x	x	x	
British Columbia	-	-	-	-	-	
Yukon and Northwest Territories	-	-	-	-	-	
Totals	333	-	42	323	699	
<u>Closing</u>						
Newfoundland	-	-	-	-	-	
Prince Edward Island	-	-	-	-	-	
Nova Scotia	-	-	-	-	-	
New Brunswick	x	-	x	x	x	
Quebec	x	-	x	x	x	
Ontario	208	-	13	101	321	
Manitoba	x	-	x	x	x	
Saskatchewan	-	-	-	-	-	
Alberta	x	-	x	x	x	
British Columbia	-	-	-	-	-	
Yukon and Northwest Territories	-	-	-	-	-	
Totals	338	-	52	284	673	

TABLE 4. PURCHASED FUEL AND ELECTRICITY USED, 1967 AND 1968

Description	1967		1968	
	Quantity	Cost	Quantity	Cost
	\$'000	\$'000		
1. Large establishments reporting commodity detail				
Bituminous coal:				
(a) From Canadian mines	ton	322	6	317
(b) Imported	"	83,120	1,148	77,012
Sub-bituminous coal (from Alberta mines only)	"	-	-	190
Anthracite coal	"	-	-	-
Lignite coal	"	8,644	52	3,767
Coke	"	-	-	26
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	201,660	54	122,084
Fuel oil including kerosene or coal oil	"	6,766,638	568	7,680,147
Wood	cord	4,460	34	1,876
Gas:				
(a) Liquefied petroleum gases	Imp. gal.	4,644	1	5,596
(b) Other manufactured gas	M cu. ft.	-	-	-
(c) Natural gas	"	836,982	409	1,391,348
Other fuel	"	-	-	660
Electricity purchased	kwh.	36,849,398	339	38,431,203
Steam purchased	"	-	-	363
2. Small establishments not reporting commodity detail				
Estimate for fuel and electricity	"	-	-	-
3. All establishments				
Total fuel and electricity used	"	2,612	"	2,837

TABLE 5. MATERIALS AND SUPPLIES - MANUFACTURING ACTIVITY, 1967 AND 1968

Description	Cost	
	1967	1968
	\$'000	\$'000
1. Materials used:		
All materials and components used	523	506
2. Containers and other packaging materials and supplies used:		
Paper bags, all kinds (including multi-wall shipping sacks)	605	698
All other	1	2
3. Operating, maintenance and repair supplies used (excluding fuel)		
887	947	
4. Amount paid to others for work done on materials owned by establishments		
279	349	
Totals	2,294	2,502

TABLE 4. PRODUCTION (TONNAGE) OF LIME BY ALL OPERATORS, CANADA: MARCH 31 AND DECEMBER 31, 1967 and 1968

		1967	1968
<u>Quicklime</u>			
Building trades:			
Finishing lime	ton \$'000	10,208 190	5,500 98
Mason's lime	ton \$'000	4,908 89	4,262 76
Agriculture		(4)	(4)
Industrial:			
Uranium plants		(3)	(3)
Non-ferrous smelters	ton \$'000	22,510 285	28,782 368
Iron and steel furnaces	ton \$'000	275,170 3,214	291,273 3,532
Cyanide and flotation mills	ton \$'000	13,473 183	25,154 361
Pulp and paper mills	ton \$'000	151,372 1,890	152,317 1,969
Glass works		(3)	(3)
Sugar refineries	ton \$'000	31,471 510	32,609 488
Tanneries		(3)	(3)
Fertilizer plants		(3)	(3)
Sand-lime brick plants		(3)	(3)
Water and sewage treatment	ton \$'000	19,372 289	20,105 328
Other industrial works	ton \$'000	614,480 6,330	635,073 6,418
Road stabilization		(4)	(4)
Other consumers	ton \$'000	35,145 403	24,196 297
Totals, quicklime	ton \$'000	1,178,109 13,383	1,219,271 13,945
<u>Hydrated lime</u>			
Building trades:			
Finishing lime	ton \$'000	55,774 1,159	57,443 1,330
Mason's lime	ton \$'000	23,222 321	23,325 385
Agriculture	ton \$'000	10,684 154	12,335 125
Industrial:			
Uranium plants		(5)	(5)
Non-ferrous smelters		(5)	(5)
Iron and steel furnaces		(5)	(5)
Cyanide and flotation mills		(5)	(5)
Pulp and paper mills	ton \$'000	23,737 247	8,362 145
Sugar refineries		(5)	(5)
Tanneries		(5)	(5)
Fertilizer plants		(5)	(5)
Sand-lime brick plants	ton \$'000	7,321 93	7,364 63
Water and sewage treatment	ton \$'000	16,391 275	19,853 343
Other industrial works	ton \$'000	101,193 888	88,945 1,005
Road stabilization	ton \$'000	-	1,232
Other consumers	ton \$'000	6,468 47	20 1,816 25
Totals, hydrated lime	ton \$'000	244,790 3,184	220,696 3,441
Grand totals	ton \$'000	1,422,899 16,567	1,439,967 17,386

(1) Shipments include amounts used in producers' own works.

(2) Value of shipments is exclusive of containers.

(3) Included in Quicklime "Other industrial works".

(4) Included in Quicklime "Other consumers".

(5) Included in Hydrated lime "Other industrial works".

Note: Of the total quantity of 1,439,967 tons (1967-1,422,899 tons) of lime produced, 538,571 tons (1967-506,137 tons) were consumed by producers as intermediates.

TABLE 7. PRODUCERS' SHIPMENTS OF LIME, 1964-68

Year	Shipped for sale	Used by producers	Total	
			Quantity	Value
		short tons	\$'000	
1964	997,632	543,095	1,540,727	19,409
1965	1,082,036	538,368	1,620,404	20,134
1966	1,009,323	545,714	1,555,037	18,340
1967	916,762	506,137	1,422,899	16,567
1968	901,396	508,571	1,439,967	17,386

See Note Table 6.

TABLE 8. LIME SHIPPED OR USED FOR CHEMICAL AND OTHER PURPOSES, 1964-68

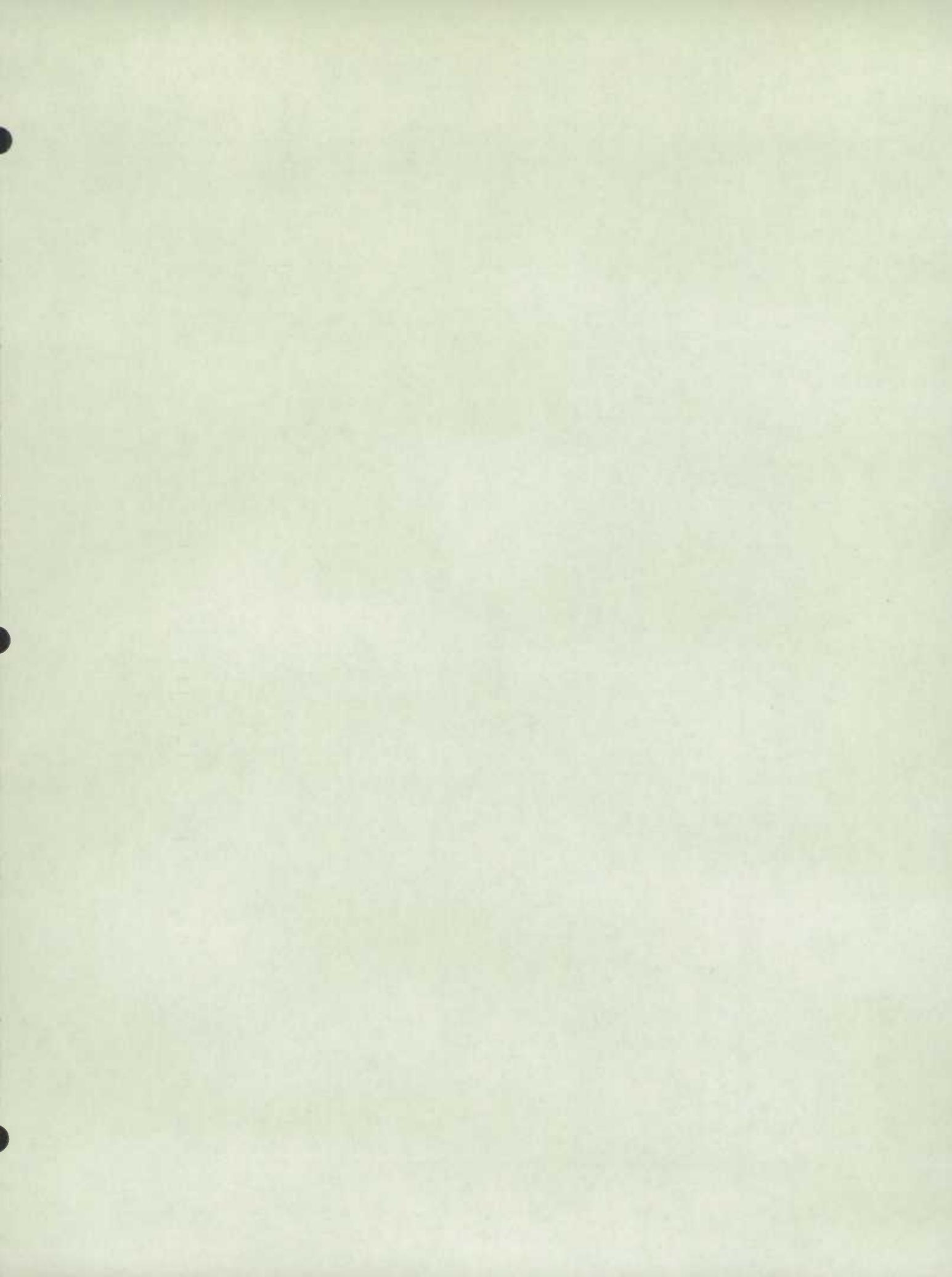
Year	Lime shipped or used for chemical and industrial purposes				Lime shipped or used for building or other non-industrial purposes			
	Quicklime		Hydrated lime		Quicklime		Hydrated lime	
	short tons	\$'000	short tons	\$'000	short tons	\$'000	short tons	\$'000
1964	1,196,901	18,640	187,824	2,110	52,493	769	103,509	2,279
1965	1,237,725	14,678	168,501	1,838	102,661	1,320	111,517	2,298
1966	1,195,509	13,472	158,698	1,620	98,473	1,320	102,357	1,927
1967	1,127,848 ^r	12,700	148,642	1,503	50,261 ^r	683	96,168	1,681
1968	1,185,303	13,484	124,545	1,556	33,968	461	96,151	1,885

See Note Table 6.

TABLE 9. LIME KILN CAPACITIES,(1) 1964-68

Year	Total kilns			Kilns in use during the year		
	Number		Total capacity	Number		Total capacity
	Stack	Rotary	Tons per 24 hours	Stack	Rotary	Tons per 24 hours
1964	81	28	8,154	65	22	6,818
1965	80	26	7,894	66	21	6,808
1966	75	26	7,904	64	21	6,897
1967	72	24	7,384	62	22	6,645
1968	70	22	7,244	60	20	6,509

(1) includes lime kilns of other industries.





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