

This Report on the Cement Industry relates to establishments engaged wholly or mainly in manufacturing calcareous (Portland) and aluminous cements. The production of gypseous cements is excluded.

This industry corresponds to minimum list heading 464 in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 census. The definition of this industry however is unchanged from the last detailed Census of Production for 1963 in which it was reported (Part 105).

Pits and quarries operated by firms in this industry are included in this report unless they had their own set of accounts, in which case they were included in the report on the Stone and Slate Quarrying and Mining Industry (Part 3) or the Chalk, Clay, Sand and Gravel Extraction Industry (Part 4).

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv).

(The following table is extremely faint and largely illegible due to bleed-through from the reverse side of the page. It appears to be a statistical table with multiple columns and rows, likely containing production and employment data for the cement industry.)

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(b) The following information relates to small establishments (employing fewer than 25 persons) in this industry. It includes an estimate for small establishments not making satisfactory returns.

	1963	1968
Number of establishments	15	13
Average number employed:		
Working proprietors	16	7
Other persons employed	149	129

(c) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).

(d) Including operatives employed in the quarries or clay pits which were associated with the cement works.

(e) Administrative, technical and clerical employees.

(f) Excluding expenditure for establishments not yet in production.

(g) Acquisitions less disposals.

TABLE 1 Industry summary, 1963 and 1968
United Kingdom (a) (b)

	Unit	All establishments		
		1963	1968	
Number of enterprises	No.	29	20	
Number of establishments	"	69	66	
Gross output	£'000	85,862	105,969	
Net output	"	40,845	48,615	
Net output per head	£	2,872	3,492	
Sales and work done	£'000	81,276	102,305	
		merchanted goods and canteen takings	2,981	3,301
Purchases	"	materials for use in production and packaging and fuel	38,079	48,059
	"	goods for merchandising and canteen purchases	2,746	3,145
	"	for work done on materials given out	132	53
Payments to other organisations	"	for transport		
	"	by road		5,559
	"	by rail and other means excluding postal services	4,483	1,102
Stocks and work in progress				
Total stocks and work in progress	"	change during year	+ 2,029	+ 928
	"	at end of year	15,603	17,698
Goods on hand for sale	"	change during year	- 23	+ 149
	"	at end of year	1,773	2,111
Work in progress	"	change during year	+ 1,627	+ 214
	"	at end of year	3,777	3,268
Materials, stores and fuel	"	change during year	+ 424	+ 565
	"	at end of year	10,054	12,319
Number employed on average during the year	Th.	total, including working proprietors	14.2	13.9
	"	operatives (d)	10.9	10.7
	"	other employees (e)	3.3	3.2
Wages and salaries	£'000	of operatives	10,191	13,425
	"	of other employees (e)	3,859	4,643
Capital expenditure (f)				
Total	"		11,242	20,249
New building work	"		2,340	6,566
Land and existing buildings (g)	"		62	155
Plant and machinery (g)	"		7,543	13,419
Vehicles (g)	"		1,297	109

(a) For 1968, estimates for establishments not making satisfactory returns and for small establishments, from which only employment data were collected, accounted for 1 per cent. of the total figures in which they were incorporated: of this, unsatisfactory returns were negligible. For 1963 the comparable figures were just over 1 per cent. and negligible respectively.

Footnotes continued on page 128/3.

TABLE 2 Analysis by size of establishment within the industry, 1968

(i) Output and employment

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Estab-lish-ments	Enter-prises (b)	Total number employed on average during the year (a)	Gross output	Net output	Net output per head
	Number	Number	Number	£'000	£'000	£
1-10	6	6	29	..	..	..
11-24	5	4	103	..	..	..
25-99	11	4	633	7,162	2,543	4,017
100-199	8	3	1,168	7,904	3,736	3,200
200-299	14	4	3,480	26,668	12,124	3,484
300-399	12	5	4,263	32,848	15,367	3,605
400 and over	8	3	4,241	30,352	14,370	3,388
Unsatisfactory returns	2	2	4	..	..	..
Total	66	20	13,921	105,969(c)	48,615(c)	3,492(c)

(ii) Employees, wages and salaries

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Employees		Wages and salaries		Wages and salaries per head	
	Operatives	Others(d)	Operatives	Others(d)	Operatives	Others(d)
	Number	Number	£'000	£'000	£	£
1-10	..	..	..	..	..	..
11-24	..	..	..	..	..	..
25-99	469	164	560	228	1,195	1,393
100-199	903	265	1,161	386	1,285	1,460
200-299	2,605	875	3,222	1,275	1,237	1,457
300-399	3,336	927	4,292	1,340	1,287	1,446
400 and over	3,310	931	4,066	1,370	1,227	1,471
Unsatisfactory returns	..	..	..	..	..	..
Total	10,721(c)	3,193(c)	13,425(c)	4,643(c)	1,252(c)	1,454(c)

(a) Including working proprietors.

(b) The sum of the figures for the size groups exceeds the total for the industry to the extent that enterprises made returns for establishments in more than one size group.

(c) Including estimates for establishments employing fewer than 25 persons and for establishments not making satisfactory returns.

(d) Administrative, technical and clerical employees.

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)

All establishments: United Kingdom

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	1	-	1
18 and over	91	8	99
All ages	92	8	100

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) at June 1969, the earliest date for which the information is available on the basis of the Standard Industrial Classification (Revised 1968).

Footnotes to Table 4

(a) Including services rendered to other organisations (amount charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).

(b) This is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.

(c) Including 1,325 operatives in 1968 and 1,292 in 1963 employed in the quarries or clay pits which were associated with the cement works.

(d) Administrative, technical and clerical employees.

(e) Excluding expenditure for establishments not yet in production.

TABLE 4 Analysis of larger establishments, 1963 and 1968

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

	Unit	1963	1968	
Number of enterprises	No.	14	9	
Number of establishments	"	54	53	
Gross output	£'000	84,865	104,934	
Net output	"	40,371	48,140	
Net output per head	£	2,872	3,492	
Sales and work done	{ goods produced and work done (a)	£'000	80,333	101,305
	{ merchanted goods and canteen takings	"	2,947	3,268
Index of specialisation (b)	Per cent.	96	97	
Purchases	{ materials for use in production and packaging, and fuel	£'000	37,637	47,589
	{ goods for merchenting and canteen purchases	"	2,714	3,114
	{ for work done on materials given out for transport	"	131	53
Payments to other organisations	{ by road	"	4,431	5,505
	{ by rail and other means excluding postal services	"			1,092
Stocks and work in progress				
Goods on hand for sale	{ change during year	"	- 22	+ 148
	{ at end of year	"	1,752	2,090
Work in progress	{ change during year	"	+ 1,608	+ 212
	{ at end of year	"	3,733	3,236
Materials, stores and fuel	{ change during year	"	+ 419	+ 559
	{ at end of year	"	9,937	12,199
Number employed on average during the year	{ total including working proprietors	No.	14,055	13,785
	{ operatives (c)	"	10,828	10,622
	{ other employees (d)	"	3,227	3,163
Wages and salaries	{ of operatives	£'000	10,085	13,301
	{ of other employees (d)	"	3,819	4,600
Wages and salaries per head	{ operatives	£	931	1,252
	{ other employees (d)	"	1,183	1,454
Capital expenditure (e)				
New building work		£'000	2,313	6,502
Land and existing buildings	{ acquisitions	"	223	297
	{ disposals	"	161	143
Plant and machinery	{ acquisitions	"	7,574	13,372
	{ disposals	"	118	84
Vehicles	{ acquisitions	"	1,456	143
	{ disposals	"	174	35

For notes to this table - see page 128/5.

TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

	1963		1968			
	Quantity	Value	Quantity	Value	Enterprises	Entries
	Th. tons	£'000	Th. tons	£'000	Number	Number
Calcareous cement, ground for building and engineering purposes						
Portland, (including rapid hardening and blast furnace cement)	13,088	67,493	16,280	87,349	10	22
Aluminous, cement and other ground calcareous cements	..	8,408	..	12,241	5	12
Calcareous cement, unground (cement clinker) sold as such	367	1,251	556	1,990	5	6
Cement based paint and other products	..	1,648	..	1,762	7	11
Waste products	..	96	..	91	5	12
Work done	..	2	..	-		
Total	..	78,898	..	103,432		
Sales in other industries (see Table 6)		1,446		5,116		
Principal products of this industry sold by establishments in the industry		77,452		98,316	9	20(a)

(a) This figure represents the total number of returns made for larger establishments in this industry which is less than the total number of establishments shown in Table 4 on account of combined returns covering more than one establishment.

TABLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

	1963		1968			Principal industries in which produced(a)
	Quantity	Value	Quantity	Value	Entries	
	Th.tons	£'000	Th.tons	£'000	Number	
Calcareous cement ground for building and engineering purposes; portland, including rapid hardening and blast furnace cement and other ground calcareous cements including aluminous cement, and unground (cement clinker) sold as such	314	1,276	950	4,780	5	27,32,130
Cement based paint	..	170	..	336	*	27,32,38
Total		1,446		5,116	..	

(a) The references given are to the list of industries at the front of this report

TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

	1963		1968		
	Quantity	Value	Quantity	Value	
		£'000		£'000	
Building materials	}				
Other goods		..	2,881	..	2,989
Services rendered to other organisations (a)					
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	..	2,919	..	3,208	
Canteen takings		28		60	
Total		5,827		6,257	

(a) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger establishments, 1963 and 1968

This table is not applicable to this industry.

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry.

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

	1963		1968	
	Quantity	Cost	Quantity	Cost
Materials for use in production		£'000		£'000
Limestone	..	282	..	415
Cement clinker, unground	..	2,218	..	3,108
Gypsum and anhydrite	..	1,577	..	2,339
Bauxite	..	(a)	..	526
	Th. gal.		Th. gal.	
Lubricating oils and greases	511	117	507	163
	Th. cwt.		Th. cwt.	
	7.4	29	7.1	38
Replacement parts for establishments' own machinery, plant, vehicles and accessories and consumable tools bought as replacement				
Tyres and other spare parts for establishments' own road goods vehicles			..	132
Other	..	7,275	..	6,679
Chalk and all other materials for use in production			..	3,026
Packaging materials				
Paper bags and multiwall paper sacks (b)			..	3,058
All other packaging materials	..	3,796	..	339
Fuel and electricity (c)	Th. tons		Th. tons	
Coal	2,169	9,514	3,123	13,769
Coke (including screenings) and manufactured fuel	26.1	150	8.6	73
	Th. gal.		Th. gal.	
Derv fuel and motor spirit for use in road vehicles	838	157	919	222
Other liquid fuels (including creosote/pitch mixtures, etc, and liquefied petroleum gases)	232,276	6,792	130,929	5,049
			Th. therms	
Gas	..	14	81.8	7
	Th. kWh		Th. kWh	
Electricity	1,331,626	5,717	1,761,137	8,632
All other fuels		(d)	..	14
Total cost of materials and fuel		37,637		47,589
Goods purchased for merchandising	..	2,691	..	3,053
Canteen purchases	..	23	..	61
Total cost of purchases	..	40,352	..	50,703

(a) For 1963 included with 'Chalk and all other materials for use in production'.

(b) 'Multiwall paper sacks' only for 1963.

(c) The total quantity of electricity generated in establishments employing 25 or more persons in this industry was 17,378 Th.kWh in 1968 and 29,232 Th.kWh in 1963.

(d) Not recorded separately in 1963.

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

	Unit	1963	1968
Average number mainly employed on transport	No.	249	249
Transport costs	£'000		
Wages and salaries	"	237	333
Derv fuel and motor spirit	"	157	222
Tyres and other spare parts for road goods vehicles	"	..	132
Payments to other organisations for transport	"	4,431	5,505
	by road		
	by rail and other means excluding postal services		1,092
Costs of operating road goods vehicles			
Insurance	"	16	15
Vehicle licences	"	33	56
Depreciation	"	155	447
Payments to other organisations for repairs and maintenance	"	9	53
Total	"	5,039(a)	7,854

(a) Excluding tyres and other spare parts for road goods vehicles, not collected separately for 1963.

TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968(a)

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

	Amounts payable	
	1963	1968
Repairs and maintenance to	£'000	£'000
Buildings	65	76
Road goods vehicles	9	53
Plant, machinery and other capital equipment	389	420
Insurance, licensing and depreciation of road goods vehicles (b)	204	518
Rates, excluding water rates	1,340	1,974
Hire of plant and machinery	606	745
Postage, telephone, telegrams, cables and telex (c)	143	188
Total	2,757	3,976

(a) No deduction is made for these payments to arrive at the figures of net output given in this report.

(b) For details see Table 11.

(c) Excluding Telex for 1963.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

Year ended	Percentage of total returns received	Percentage of total number employed
	Per cent.	Per cent.
1968		
April (a)	0.0	0.0
May	0.0	0.0
June	10.0	2.7
July	0.0	0.0
August	0.0	0.0
September	0.0	0.0
October	0.0	0.0
November	0.0	0.0
December	55.0	80.1
1969		
January	0.0	0.0
February	0.0	0.0
March	35.0	17.2
April (b)	0.0	0.0
	100	100

(a) From 6 April.

(b) To 5 April.