

2 Coal mining

This Report on the Coal Mining Industry relates to establishments of the National Coal Board and non-nationalised undertakings in Great Britain engaged in the extraction of coal from deep mines and quarries and in such ancillary activities of cleaning, washing, grading, etc, normally carried out at mines. Persons associated with coal production employed by the National Coal Board elsewhere than at the mines (ie by Area Boards and in Divisional and Headquarters offices), and their remuneration are in general included, but certain administrative staff associated mainly with activities other than coal production are excluded from this report.

The extraction of coal from opencast workings so far as recorded separately is excluded and classified to Construction.

Mining and Quarrying Industries were excluded from the censuses for 1963 and 1968 taken in Northern Ireland and this report relates, therefore, only to Great Britain.

This industry corresponds to minimum list heading 101 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 2).

The figures have been compiled from returns made to the Ministry of Power. The figures for 1963 relate to the calendar year and those for 1968 relate to the 52 weeks ended 29 March, 1969.

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).

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- (e) Excluding the value of all colliery consumption of coal.
- (f) 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).
- (g) For 1968, but not for 1963, payments to the National Coal Board's own transport organisation are included.
- (h) Administrative, technical and clerical employees.
- (i) The figures for 1963 have been revised to compare with those for 1968, which exclude the value of allowances in kind.
- (j) Including expenditure for establishments not yet in production.
- (k) Acquisitions less disposals.

TABLE 1 Industry summary, 1963 and 1968
Great Britain (a) (b) (c)

	Unit	All undertakings		
		1963	1968	
Number of colliery units or mines (d)	No.	928	617	
Gross output	£'000	860,879	738,439	
Net output	"	654,640	545,762	
Net output per head	£	1,103	1,397	
Sales and work done	{ goods produced and work done (e)(f) merchanted goods	£'000	882,623	746,144
Cost of materials and fuel used (e)	"	192,876	172,047	
Cost of merchanted goods	"	157	1,041	
Payments to other organisations	{ for work done on materials given out for transport (g) by road by rail and other means excluding postal services	"	2,509	2,657
Stocks and work in progress		"	10,698	8,902
Total stocks and work in progress	{ change during year at end of year	"	- 25,546	- 9,108
Goods on hand for sale	{ change during year at end of year	"	112,215	130,877
Work in progress	{ change during year at end of year	"	- 21,898	- 9,001
Materials, stores and fuel	{ change during year at end of year	"	53,626	72,834
Number employed on average during the year	{ total, including working proprietors operatives other employees (h)	"	+ 73	+ 218
Wages and salaries (i)	{ of operatives of other employees (h)	"	502	448
Capital expenditure (j)		"	- 3,720	- 325
Total		"	58,087	57,595
New building work		Th.	593.3	390.6
Land and existing buildings (k)		"	547.9	355.4
Plant and machinery (k)		"	45.3	35.2
Vehicles (k)		£'000	402,414	322,191
		"	40,513	45,863
		"	75,232	51,078
		"	24,083	10,714
		"	- 242	- 199
		"	50,847	40,493
		"	544	70

(a) Particulars of opencast coal production, farms, canteens, etc are excluded.

(b) National Coal Board undertakings and estimates for small mines which for both 1963 and 1968 accounted for less than 1 per cent. of the total figures in which they were incorporated. (A summary of the detailed returns received is given in Table 4.)

(c) The following information relates to small mines (employing fewer than 25 persons) in this industry.

	1963	1968
Number of mines	311	241
Average number employed:		
Working proprietors	186	183
Other persons employed	4,556	2,380

(d) The number of colliery units for administrative and accounting purposes, exclusive of any mines not in active production. In some cases these units comprise more than one mine.

Footnotes continued on page 2/2.

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

This table is not applicable to this industry.

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

All undertakings: Great Britain

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	2	—	2
18 and over	95	3	98
All ages	97	3	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) Particulars of opencast coal production, farms, canteens, etc are excluded.
- (b) The number of colliery units for administrative and accounting purposes exclusive of any mines not in active production. In some cases these units comprise more than one mine.
- (c) Excluding the value of all colliery consumption of coal.
- (d) 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).
- (e) This is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.
- (f) For 1968, but not for 1963, payments to the National Coal Board's own transport organisation are included.
- (g) Administrative, technical and clerical employees.
- (h) The figures for 1963 have been revised to compare with those for 1968, which exclude the value of allowances in kind.
- (i) Including expenditure for establishments not yet in production.

TABLE 4 Analysis of larger undertakings, 1963 and 1968

National Coal Board undertakings employing 25 or more persons: Analysis of returns received Great Britain (a)

	Unit	1963	1968	
Number of colliery units or mines (b)	No.	617	376	
Gross output	£'000	853,999	733,594	
Net output	"	649,408	542,182	
Net output per head	£	1,103	1,397	
Sales and work done	{ goods produced and work done (c) (d)	£'000	875,569	741,248
	{ merchanted goods	"	81	1,071
Index of specialisation (e)	Per cent.	99	99	
Cost of materials and fuel used (c)	£'000	191,334	170,917	
Cost of merchanted goods	"	156	1,034	
Payments to other organisations	{ for work done on materials given out for transport (f)	"	2,489	2,639
	{ by road	"	10,612	8,844
	{ by rail and other means excluding postal services	"		
Stocks and work in progress				
Goods on hand for sale	{ change during year	"	- 21,723	- 8,942
	{ at end of year	"	53,197	72,356
Work in progress	{ change during year	"	+ 72	+ 216
	{ at end of year	"	498	445
Materials, stores and fuel	{ change during year	"	- 3,691	- 322
	{ at end of year	"	57,623	57,217
Number employed on average during the year	{ total	No.	588,586	388,079
	{ operatives	"	543,681	353,110
	{ other employees (g)	"	44,905	34,969
Wages and salaries (h)	{ of operatives	£'000	399,464	320,078
	{ of other employees (g)	"	40,215	45,562
Wages and salaries per head	{ operatives	£	735	906
	{ other employees (g)	"	896	1,303
Capital expenditure (i)				
New building work	£'000	23,891	10,644	
Land and existing buildings	{ acquisitions	"	-	258
	{ disposals	"	240	456
Plant and machinery	{ acquisitions	"	51,084	41,339
	{ disposals	"	643	1,112
Vehicles	{ acquisitions	"	587	101
	{ disposals	"	47	31

For notes to this table see page 2/4

TABLE 5(A) Sales of principal products of the industry, 1963 and 1968 (a)

National Coal Board undertakings employing 25 or more persons:
Analysis of returns received Great Britain

	1963		1968	
	Quantity	Value	Quantity	Value
	Th.tons	£'000	Th.tons	£'000
Disposals of coal				
Provided free or at concessionary prices (b)	4,450	1,855	3,079	1,229
Net commercially disposable, including transfers to other establishments and services, and to National Coal Board selling organisations (c)	184,005	844,106	149,318	723,618
Total disposals of coal (d)	188,455	845,960	152,397	724,847
Cleaning and crushing coal from opencast workings or from non-N.C.B. mines		65		211
Waste products (e)		404		3,138
Total value of disposals of coal, work done and sale of waste products		846,429		728,196

- (a) The figures in this table do not include the sales of coal from opencast sites, production of which amounted in 1963 to 5.5 million tons valued at £24.8 million and in 1968 to 6.4 million tons valued at £37.1 million.
- (b) Concessionary prices valued at the amounts actually received, including charges for delivery where made by National Coal Board employees.
- (c) Including commercial sales direct from National Coal Board colliery units, to consumers and distributors, also transfers of coal to other collieries, to establishments in other Census industries (eg brickworks) and to colliery services not included in the Census returns etc.
- (d) Excluding all colliery consumption of coal and coal purchased from other sources which together amounted in 1963 to 3,913,000 tons valued at £13,001,000 and in 1968 to 2,235,000 tons valued at £8,366,000.
- (e) Some waste products may be included with 'Other goods' in 1963 (see Table 7).

TABLE 5(B) Work of capital construction and repair and maintenance, 1963 and 1968

National Coal Board undertakings employing 25 or more persons:
Analysis of returns received Great Britain

	1963	1968
	Value	Value
	£'000	£'000
Capital construction carried out by employees		
At colliery units and other establishments in the coal mining industry	20,929	9,813
For other industries (including N.C.B. establishments outside the coal mining industry)	47	53
Repair and maintenance		
At colliery units and other establishments in the coal mining industry	63,189	97,167
For other industries (including N.C.B. establishments outside the coal mining industry)	605	324
Total work of capital construction and repair and maintenance	84,771	107,357
Less work of repair and maintenance at colliery units and other establishments in the coal mining industry	63,189	97,491
Total	21,582	9,866

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

This table is not applicable to this industry.

TABLE 7 Sales of other than principal products, 1963 and 1968

National Coal Board undertakings employing 25 or more persons:
Analysis of returns received Great Britain

	1963		1968	
	Quantity	Value	Quantity	Value
	Th.tons	£'000	Th.tons	£'000
Minerals other than coal	1,588	194	371	24
Electricity sold	Th.kWh		Th.kWh	
	274,025	1,441	255,491	1,291
Electricity transferred to other establishments under the same ownership	83,224	530	124,352	745
Gas, steam and compressed air sold	..	806	..	822
Other goods	..	4,586(a)	..	59
Services rendered to other organisations (b)	245
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	..	81	..	1,071
Total		7,638		4,258

(a) May include some waste products.

(b) 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 undertakings, 1963 and 1968

This table is not applicable to this industry.

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

This table is not applicable to this industry.

Footnotes to Table 10.

(a) Described in 1963 as 'Arches and cambered girders, roof bars and props (including all materials except timber)'.

(b) Described in 1963 as 'Spares for coal face machinery and other plant and equipment'.

(c) The total quantity of electricity generated by National Coal Board undertakings was 613,298 Th.kWh in 1968 and 838,939 Th.kWh in 1963.

(d) Included with 'All other fuels' in 1963.

TABLE 10 Materials and fuel purchased and used, 1963 and 1968

National Coal Board undertakings employing 25 or more persons:
Analysis of returns received Great Britain

	1963		1968	
	Quantity	Cost	Quantity	Cost
	Th.tons	£'000	Th.tons	£'000
Materials for use in production				
Iron and steel				
Steel arches, cambered joists, solid plain pit props, bench or header bars and accessories (a)	560	35,837	525	32,324
Straight joists and sections (including roof girders)	70.6	3,038	53.0	2,633
Rails, sleepers, fishplates and sole plates, points, switches and crossings	78.8	5,598	30.6	1,314
Other (excluding finished parts and scrap)			62.9	3,316
Wire ropes	21.8	3,268	14.9	2,267
Timber	Th.stds.		Th.stds.	
Mining timber (props, pitwood, shoring timber, etc.)	456	15,059	360	10,924
	Th.cu.ft.		Th.cu.ft.	
Other	1,520	726	2,128	686
Conveyor belting	..	12,785	..	5,493
Explosives (including accessories)	..	5,956	..	5,122
Insulated wires and cables	..	8,898	..	5,999
Lubricating oils and greases	Th.gal.		Th.gal.	
	7,037	1,626	8,549	2,514
	Th.cwt.		Th.cwt.	
	88.9	312	103	411
Replacement parts for undertakings' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement (b)				
Tyres and other spare parts for road goods vehicles	..	36,716	..	239
Other	38,704
All other stores and materials (including water) used	..	31,841	..	26,241
Packaging materials				15
Fuel and electricity (c)	Th.tons		Th.tons	
Opencast coal for colliery consumption	0.9	5	0.7	4
Coke	37.3	295	13.3	144
Coke breeze	1.7	12	5.0	21
Manufactured fuel	..	(d)	0.2	2
	Th.gal.		Th.gal.	
Derv fuel and motor spirit for use in road vehicles	3,157	505	2,720	466
Other liquid fuels (including creosote/pitch mixtures, etc. and liquefied petroleum gases)	4,577	310	2,117	161
Gas	Th.therms		Th.therms	
From public supply (Area Gas Boards)	2,054	146	1,213	86
From other sources	1,309	19	157	7
Electricity	Th.kWh		Th.kWh	
From public supply	5,236,668	28,216	5,023,985	31,473
From other sources outside the coal mining industry	7,982	40	38,818	243
All other fuels	..	127	..	107
Total cost of materials and fuel used		191,334		170,917
Goods purchased for merchandising		156		1,034
Total cost of purchases		191,490		171,952

For notes to this table - see page 2/8

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

National Coal Board undertakings employing 25 or more persons:
Analysis of returns received Great Britain

	Unit	1963	1968
Average number mainly employed on transport	No.	1,501	1,347
Transport costs			
Wages and salaries	£'000	1,172	1,119
Derv fuel and motor spirit	"	505	466
Tyres and other spare parts for road goods vehicles	"	..	239
Payments to other organisations for transport (a)	{ by road by rail and other means excluding postal services	10,612	8,844
			7,978
Costs of operating road goods vehicles			
Insurance	"	6	6
Vehicle licences	"	93	138
Depreciation	"	315	115
Payments to other organisations for repairs and maintenance	"	123	73
Total	"	12,827(b)	18,977

(a) For 1968, but not for 1963, payments to the National Coal Board's own transport organisation are included.

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

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

National Coal Board undertakings employing 25 or more persons:
Analysis of returns received Great Britain

	Amounts payable	
	1963	1968
Repairs and maintenance to	£'000	£'000
Buildings	630	1,177
Road goods vehicles	123	73
Plant, machinery and other capital equipment	7,802	14,715
Insurance, licensing and depreciation of road goods vehicles (b)	415	259
Rates, excluding water rates	6,086	7,716
Hire of plant and machinery	2,836	9,871
Postage, telephone, telegrams, cables and telex (c)	893	1,284
Total	18,785	35,095

(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 undertakings, 1968

This table is not applicable to this industry.