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OF POLITICAL AND

Business Monitor

A publication of the Government Statistical Service

Report on the **Census of Production**

Coal mining



Department of Industry Business Statistics Office

HMSO

Special Note for Purchasers

Commencing with the 1971 Census, the Census of Production reports are being numbered in a uniform series embracing all industrial inquiries in the Business Monitor series. These Business Monitors have a code P (for production) followed first by A (indicating that it is an annual series) or Q (quarterly) or M (monthly): and then by a number indicating the minimum list heading, or sub-division of a minimum list heading, of the Standard Industrial Classification (revised 1968).

The Census of Production (PA) reports are available on standing order (details on application to Her Majesty's Stationery Office, P.O. Box 569, London SE1 9NH. Telephone 01-928 6977), although they are not included in the global subscription arrangements for the Business Monitor series.

Government Statistical Service

A service of statistical information and advice is provided to the Government by specialist staffs employed in the statistics divisions of individual Departments. Statistics are made generally available through their publications and further information and advice on them can be obtained from the Departments concerned.

Enquiries:
Business Statistics Office
Cardiff Road
Newport, Gwent
NPT 1XG
Newport 56111 (STD code 0633) ext 2455
Telex 497121/497122
Answer Back BSO Newport

PA101

Business Monitor

A publication of the Government Statistical Service

Report on the Census of Production 1972

Coal mining

Presented by the Secretary of State for Industry to Parliament in pursuance of the Statistics of Trade Act 1947 (10 & 11 Geo.6 Cha.39 sec 7)

Department of Industry
Business Statistics Office

London: Her Majesty's Stationery Office 1974

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PA312 Steel tubes PA313 Iron castings, etc.	PA449.1	Corsets and miscellaneous dress industries
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PA362 Insulated wires and cables PA363 Telegraph and telephone apparatus and equipment	PA494.1	Toys, games and children's carriages
PA364 Radio and electronic components	PA494.3	Sports equipment
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Broadcast receiving and sound reproducing		Plastics products Musical instruments
equipment PA366 Electronic computers	PA499.1	Miscellaneous manufacturing industries
PA 367 Radio, radar and electronic capital goods	PA601	Gas
PA 368 Electrical appliances primarily for domestic use	PA602	Electricity
PA369 Electrical equipment for motor vehicles, cycles	PA603	Water supply

PA602 Electricity PA603 Water supply PA1002 Summary tables The information in this report relates to undertakings of the National Coal Board and non-nationalised undertakings classified to the Coal mining industry, minimum list heading 101 in the Standard Industrial Classification (revised 1968). The activities of the industry include:-

arei

The extraction of coal from deep mines and quarries, and the 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 (i.e. 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 is excluded.

This report relates to Great Britain only as Mining and Quarrying Industries were excluded from the Northern Ireland censuses of production for 1970, 1971 and 1972.

The tables have been compiled from returns made to the Department of Energy. The figures for 1970 relate to the year ended 27 March 1971, those for 1971 to the year ended 25 March 1972 to the year ended 31 March 1973.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which commence on page (iii).

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PA101 COAL MINING

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Anomals charged for hirling out plant, suchthary or order goods, for providing transport, or for all technical at other services rendered.

calve production. In some cases these units comprise core than one wice.

and aircraft

accessories, etc.

Electrical equipment for motor vehicles, cycles

Electric lamps, electric light fittings, wiring

Primary and secondary batteries

TABLE 2

New

All Great Britain undertakings classified to the industry (a), (b), (c)

	Unit	1970	1971	1972
Number of colliery units or mines (d)	Numbe r	506	470	445
Sales of goods produced and work done (e)	£'000	793,349	710,066	875,190
Services rendered to other organisations (f)	11	773	1,321	2,208
Goods merchanted or factored	9.5 V 7.5 T. H. C. C. C. C.	862	675	856
Total sales and work done	п	794,984	712,062	878,254
nunt scalet Cill of the Spirit and Lighten in	turcur apilicita Pi briga (Aggra	7. 036.33.0579/30		
Increase during the year, work in progress and goods on hand for sale	п .	- 21,339	2,328	32,299
Gross output	of selection of the selection	773,645	714,390	910,553
Cost of materials and fuel used (e), (g)	11	205,810	223,108	260,714
Payments to other organisations				
for work done on materials given out	11	804	1,622	1,405
for transport by road	11	11,375	10,011	12,789
for transport by rail, water and air	II .	8,406	6,087	8,266
Total costs	u	226,396	240,828	283,174
Net output	II A	547,249	473,562	627,379
Net output per head	£	1,623	1,428	1,980
Total employment (h) Operatives	Number 11	337,112 305,123	331,538 299,885	316,806 286,854
Others (j)	п	31,989	31,653	29,952
ages and salaries	NEW TOWN	MARKET WARRENT A TO	e synthickope I	Capita
Operatives	£'000	318,063	315,512	413,274
Others (j)	Control Heaville	48,904	56,078	63,167

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

(b) National Coal Board undertakings forming part of the Coal mining industry and licensed small mines which for each census year 1970, 1971 and 1972 accounted for less than 1% of the total figures in which they are incorporated. For details of NCB undertakings see table 7.

(c) The following information relates to small mines in the industry.

	Sales and	1970	1971	1972
Number of mines		207	181	164
Average number employed				
Working proprietors		138	124	136
Other persons employed		1,942	1,744	1,907

(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.

(e) Excluding the value of all colliery consumption of coal.

(f) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for any technical or other services rendered.

(g) Including purchases of goods for merchanting.

(h) Average number of persons employed during the year.

(j) Administrative, technical and clerical employees.

Capital expenditure and stocks, 1970, 1971 and 1972

All Great Britain undertakings classified to the industry

n. 400 h. 114 - 270 L ov	is ad sun dervok	to be accorded.		£'000
to the adole two or a	1970	1971	197	2
tal expenditure (a)	8,391	5,058	6,5	41
and and existing buildings				
Acquisitions	134	165	4	26
Disposals	879	448	2,0	49
ant and machinery				
Acquisitions	49,298	51,476	62,1	48
Disposals	949	661	3	84
hicles				
Acquisitions	164	138	1	20
Disposals	52	42		60
Total net capital expenditure (b)	56,107	55,685	66,7	42
		(Sec.) 10.1		
ease in stocks and work in progress, , 1971 and 1972 and value of stocks work in progress at end of 1972	Increase	Increase	Increase	Value at end of year
	mdiimgerund sel	san isakinceden Scard underlaki	f amployment, Valional Cost	o goffadistai(assista svest

13,182

- 21

-21,318

- 8,157

5,901

2,237

8,229

91

-10.996

32,339

21,303

58,496

338

47,510

106.344

(a) Capital expenditure in respect of undertakings where production had not commenced before the end of the year, is included.

(b) Acquisitions less disposals.

Materials, stores and fuel

Goods on hand for sale

Work in progress

Total

Analysis of undertakings by size, 1972 - All Great Britain undertakings classified to the industry

This table is not applicable to the industry

TABLE 4

Distribution of employment, net capital expenditure and net output, by country

Great Britain National Coal Board undertakings, 1972

Country	Average number employed	Percentage of Great Britain	Net capital expenditure (a)	Percentage of Great Britain	Ne t out put	Percentage of Great Britain
	number	per cent	£,000	per cent	£'000	per cent
Fngland	238,713	75.8	55,568	83.6	494,852	79.4
Wales	44,516	14.2	6,473	9.8	70,189	11.3
Scotland	31,534	10.0	4,411	6.6	58,241	9.3
Great Britain	314,763	100.0	66,452	100.0	623,281	100.0

⁽a) New building work, plus acquisitions less disposals of land and existing buildings, plant and machinery and vehicles.

Percentage analysis of twelve-month periods covered by returns from National Coal Board undertakings, 1972.

This table is not applicable to the industry

TABLE 6

Percentage analysis of employees, by full and part time employment and sex, 1972 (a)

			THE RESIDENCE OF THE PARTY OF T
Sex	Full time	Part time	All employees
10 00 00 00 00 00 00 00 00 00 00 00 00 0	per cent	per cent	per cent
	4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		and the real out of Page at all
Male	97	Not obtain the property of	97
Female	2	1	3
To kee south one and	en etc., kinikan kinikan ne	officially contracting the state of the contraction	e designes de amichéaní na missoria na grafico, de automorable
this out on all value	Top to the second of the secon	colliery consumption of co	active predoction. the a
100 mm 150 mm	99	1 language	100

Source: Department of Employment

⁽a) The percentages relate to the numbers employed (excluding working proprietors) in Great Britain at mid-June, 1972.

Analysis of net output of returns from Great Britain National Coal Board undertakings, 1970, 1971 and 1972 (a)

All provide south set	Unit	1970	1971	1972
Number of colliery units or mines (b)	Number	299	289	281
	· La Caratterio	stan instruction		
Sales of goods produced and work done (c)	£'000	788,405	704,972	869,836
Services rendered to other organisations (d)	11	768	1,314	2,201
Goods merchanted or factored	11	862	675	856
Total sales and work done	п	790,035	706,961	872,893
Increase during the year, work in progress and goods on hand for sale	п	- 21,343	2,329	32,298
Gross output	II .	768,692	709,290	905,192
Cost of materials and fuel used (c), (e)	11	204,540	221,999	259,544
Payments to other organisations for work done on materials given out	11	799	1,614	1,397
for transport by road	11	11,305	9,961	12,736
for transport by rail, water and air	11	8,354	6,057	8,234
Total costs	п	224,999	239,631	281,910
Net output	n ,	543,693	469,659	623,281
Net output per head	£ and	1,623	1,424	1,980
Total employment (f)	Number	335,032	329,670	314,763
Operatives	11	303,181	298,141	284,947
Others (g)	Maria e e e H	31,851	31,529	29,816
Wages and salaries	expensi tare	46	- 1941.841	2
Operatives	£,000	316,039	313,677	410,527
Others (g)	11	48,695	55,858	62,880
	£100	10,000	00,000	02,000
Wages and salaries per head		10		alam
Operatives	£	1,042	1,052	1,441
Others (g)	II.	1,529	1,772	2,109

- (a) Particulars of opencast coal production, farms, canteen 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) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for any technical or other services rendered.
- (e) Including purchases of goods for merchanting.
- (f) Average number of persons employed during the year
- (g) Administrative, technical and clerical employees.

These notes give the main information needed for interpreting the figures in the industry reports, (more detailed information about the census is given in a separate booklet - "Introductory Notes", Part PA1001 of the Report on the Census of Production for 1972).

GENERAL INFORMATION

Changes made for 1972

There were only minor changes in the scope of certain industry reports compared with 1971. Any such changes are explained in the introductions to the industry reports concerned or by footnotes to the tables.

Industrial Classification

The Annual Censuses of Production are conducted on the Business Statistics Office's Production Register. Normally establishments/undertakings on the Register are classified to industries on the basis of major activity in conformity with the Standard Industrial Classification (revised 1968). Generally an establishment/undertaking is classified to an industry if its sales of the principal products of that industry accounts for a greater proportion of its total sales than its sales of the principal products of any other industry; classification is generally based on an establishment's/undertaking's returns to the quarterly production inquiry. Where this is not possible - for example where a quarterly production inquiry has not been introduced - the classification of an establishment/undertaking reflects its return to the Census of Production, 1968. Establishments/undertakings for which information is not available either from the quarterly inquiries or the 1968 Census are classified on the basis of the description of the business given by the establishment/undertaking to the Business Statistics Office, for instance, in the course of

Coverage

Detailed census returns were generally sought only from establishments/undertakings employing on average 25 or more persons, but in some industries where firms employing less than 25 persons account for a relatively high proportion of total employment and output the exemption limit was lowered to 11. Census returns were also sent to establishments/undertakings whose employment was not known to the Business Statistics Office at the time of dispatch.

TERMS USED IN THE CENSUS REPORT

Average number employed

Undertakings were required to state the number of persons on the payroll (i.e. whose national insurance cards were held by them) on the average during the year of return, whether full time or part time employees. Separate figures were required for (a) administrative, technical and clerical employees and (b) all other employees (operatives). Averages could be calculated from figures relating to the last week of each calendar month. The figures include persons engaged on merchanting or factoring and canteen workers where particulars in respect of these activities could not be excluded from the return.

mployees

Administrative, technical and clerical employees include managing and other directors in receipt of a definite wage, salary or commission, managers, superintendents and works foremen; research, experimental development, technical and design employees (other than operatives); draughtsmen and tracers; editorial staff, staff reporters, canvassers, competition and advertising staff; travellers; and office (including works office) employees.

Operatives include all other classes of employees, that is, broadly speaking, all manual wage earners. They include those employed in and about the factory or works; operatives employed in power houses, transport work (including roundsmen), stores, warehouses, shops and canteens; inspectors, viewers and similar workers; maintenance workers, and cleaners. Operatives engaged in outside work of erecting, fitting etc. are also included.

Capital expenditure

Capital expenditure during the year in respect of manufacturing units where production had not started before the end of the year is included in the figures for 1970, 1971 and 1972. Undertakings were asked to include in the value of capital expenditure, amounts received under the Local Employment Acts, 1960 to 1971 and any investment grants received under the Industrial Development Act, 1966 or regional development grants under the Industry Act,

(a) New building work

This represents the cost incurred during the year of new building and other constructional work (including office buildings, canteens and the like used in connection with the business covered by the return, but not dwelling houses for employees). The value is that charged to capital account during the year of return; it includes expenditure on new buildings or on the extension or reconstruction of old buildings, the value of works of a capital nature carried out by the undertaking's own staff and the cost of any newly constructed buildings purchased. Figures shown include any legal charges, stamp duties, agents' commissions, etc.

(b) Land and existing buildings

The items shown are the capital cost of freeholds purchased and the capital cost of premium payable for leaseholds acquired (excluding the value of any assets acquired in taking over an existing business), and the amounts receivable for any freeholds or leaseholds disposed of. The value is that charged to capital account during the year of return.

(c) Plant, machinery and vehicles

The items shown are the value of plant and machinery and of vehicles acquired, both new and second-hand, and the amount received for items disposed of during year. The value of plant and machinery acquired includes plant, etc., which firms produced for their own use in connection with the business covered by the return. The value of plant, etc., acquired is the expenditure charged to capital account during the year of return less any discounts received, but including the cost of transport and installation. No deduction is made for depreciation, amortization or obsolescence. The proceeds of items disposed of during the year exclude amounts written off for items scrapped.

Gross output

Gross output measures the total value of production (including work done) by undertakings during the year. It is calculated as follows:-

Value of sales and work done

Plus/Less: Increase/decrease in value of stocks of goods on hand for sale

Plus/Less: Increase/decrease in value of work in progress

= Gross output.

Net output

Net output represents the value added to materials by the process of production (including the margin on selling any merchanted or factored goods). It is calculated as follows:-

Gross output

Less: Payments adjusted for change in value of stocks of fuel and raw materials

Less: Payments for work given to other establishments

Less: Payments for transport

= Net output.

Net output per person employed

The figures of net output per person employed are derived by dividing the net output by the average number of persons employed (full time and part time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees.

Purchases

Purchases include the cost of materials and components bought for use in production; of fuel and electricity for all purposes; of packaging materials including the cost of returnable cases and containers when first purchased; of workshop materials, office materials and materials for repairs to undertaking's own buildings, plants and vehicles when carried out by their own work people included in the returns; of consumable tools; and of parts for machinery purchased during the year as replacements. Water charges are also included. In general, purchases of goods for merchanting or factoring and canteen supplies are included. Materials supplied by customers for processing are excluded, as are all purchases charged to capital account. The values shown include any duty paid (less rebate, etc.) but exclude trade discounts allowed. The cost of transport is included only if included in the cost of materials as invoiced: amounts paid to transport organisations, including an undertaking's own separate transport organisations for delivery of materials and fuel are, therefore, excluded. Materials purchased overseas are included at the c.i.f. cost plus any duty payable if the cost of transport from the docks was not included in the invoiced price, but at their full delivery cost if invoiced "carriage paid home". Materials and fuel transferred from another department of the undertaking not covered by the return are included at the estimated selling value recorded by the other department.

Sales

Sales are in respect of minerals raised or goods made by the business covered by the return or by other undertakings from materials given out to them (sometimes described as goods made on commission) and waste products. Any machinery or other capital items produced for use in the business covered by the return are included, the value being that adopted in the undertaking's asset accounts. Goods sold without being subjected to any manufacturing process (i.e. merchanted or factored) and canteen takings are included. The value shown for sales is the net selling value, defined as the amount charged to customers whether on an ex-works or delivered basis excluding any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc.; the net amount charged for packaging materials is included. Goods charged on a delivered basis to customers overseas are included at the f.o.b. value. Goods produced in one undertaking and transferred to

another undertaking of the firm not covered by the return were treated as sales by the producing undertaking and valued as far as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations for which separate accounts were kept were valued on the same basis.

To the extent that sales of minerals raised and

To the extent that sales of minerals raised and finished products of one undertaking constitute the materials purchased by another, total figures of the value of sales (and of materials and fuel purchased) include an element of duplication. In some industries e.g. motor vehicle manufacturing, and woollen and worsted, this duplication is substantial; and aggregates for a number of industries contain significant amounts of duplication. For work done on commission, sub-contract work, etc., the value shown is the total amount charged for the work, including the value of any materials bought and used in such work.

Services rendered

This represents the amounts charged for hiring out plant, machinery and other goods, providing transport, or for any technical or other services rendered to other organisations.

Standard Industrial Classification

Industry classification is based on the Standard Industrial Classification (Revised 1968). It is published by HM Stationery Office together with a separate index in the form of an alphabetical list of industries.

Stocks and work in progress

Values are given of stocks of goods on hand for sale, and of materials and fuel, at the end of the year of return, including any stocks of goods held for merchanting or factoring. Values of the change during the year are also shown. The values include duty in the case of dutiable goods held out of bond. The value of work in progress at the end of, and the change during, the year are also usually shown. This excludes any progress payments made to sub-contractors, and no deduction is made on account of progress payments received.

Transport payments

These represent the total amount paid or credited during the year for both outwards transport of finished goods sold and inwards transport of materials and fuel purchased. They include payment to other undertakings, and to any separate transport organisation of the same undertaking not covered by the return, but exclude the value of transport services provided by the business covered by the return. The items included are payments for hired cartage and for inwards and outwards carriage by all forms of inland transport, i.e. railways, road haulage, canals, coastwise shipping, air, etc. Payments made for sea and air freight on goods sold to customers overseas and on materials and fuel purchased from overseas suppliers are excluded.

Wages and salaries

These are amounts paid during the year to operatives and to administrative, technical and clerical employees. The values shown include all overtime payments, bonuses and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contributo pensions, etc. The value of any payments in kind, travel ling expenses, lodging allowances, etc. and employers' contributions to national insurances and pension schemes is excluded.

Work given out

The figures shown represent the total amount paid for work done by other undertakings on materials supplied to them. They do not include payments for business and other services.

SYMBOLS USED

The following symbols are used throughout the report:

- .. not available
- nil or less than half the final digit shown
- R revised

ROUNDING OF FIGURES

Figures in the tables have, where necessary, been rounded to the nearest final digit; there may be an apparent slight discrepancy between the sum of the constituent items and the total shown.

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