



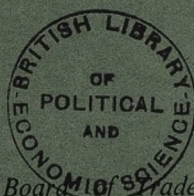
BOARD OF TRADE

THE REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1951

Volume 1

Trade A

COAL MINES



*Presented by the Board of Trade to Parliament  
in pursuance of the Statistics of Trade Act, 1947  
(10 & 11 Geo. 6, Ch. 39, Sec. 7).*

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\* Not applicable to this trade

9.4.56

COAL MINES TRADE

THIS REPORT on the Coal Mines Trade relates to all establishments of the National Coal Board engaged in the extraction of coal from deep mines and quarries and to other undertakings, not operated by the National Coal Board, wholly or mainly engaged in the mining or quarrying of coal. 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.

This trade corresponds to minimum list heading 10 in the Standard Industrial Classification. The extraction of coal from open cast workings is excluded from this trade and has been included in the report on the Building and Contracting Trade (Volume 12, Trade A).

The figures in this report are based on returns made in the first place to the Ministry of Fuel and Power. Because of subsequent revisions, the figures published here may differ in minor detail from those published earlier by the Ministry of Fuel and Power.

In this report the figures for the larger undertakings include all colliery units, regardless of size, of the National Coal Board together with the larger non-nationalized undertakings employing more than 10 persons on the average. The figures for small undertakings relate only to those non-nationalized undertakings which employed 10 or fewer persons on the average.

In certain respects, the figures for 1951, 1950, 1949 and 1948 are not strictly comparable with those for 1935. In addition to changes in organization arising from nationalization which affect the coverage of the report, there has also been a change in the basis of calculating gross output. In 1935, coal consumed at the colliery, and free and concessionary coal, were treated as sales and the value estimated at average market prices. In 1951 and 1950 all colliery consumption of coal and in 1949 and 1948 coal raised and consumed at the same colliery is excluded from gross output, while coal provided free and at concessionary prices is valued at the amount actually received, including charges for delivery. Similarly, the figures for materials and fuel are not comparable, that for 1935 including, at estimated market price, all coal consumed at the colliery, while those for 1949 and 1948 exclude coal raised and consumed at the same colliery and those for 1951 and 1950 exclude all colliery consumption of coal. Also included in gross output for 1951, 1950, 1949 and 1948 is the value of work done for other industries and of capital work carried out by employees of the National Coal Board: the corresponding figure was not ascertained for 1935.

Establishments in this trade were excluded from the Census of Production for Northern Ireland for 1951 and 1948 and no production was recorded in larger establishments there for 1950 and 1949. Owing to the risk of disclosure of information relating to individual firms, separate particulars of the very small output in Northern Ireland were not published for 1935.

IMPORTANT NOTES and definitions appear on the inside of the back cover of this report. In interpreting the data in the following tables, it is essential to bear these in mind.



MINING AND QUARRYING  
COAL MINES TRADE  
Summary  
Larger undertakings (a)

TABLE 1

	Great Britain				United Kingdom
	1951	1950	1949	1948	1935
Gross output (production)	£'000 519,449	£'000 467,919	£'000 468,857	£'000 447,062	£'000 146,362
Cost of materials and fuel used	100,567 (b)	85,713	86,741	82,392 (b)	25,059
Payment for work done on materials given out	-	-	20	40	..
Net output	418,882	382,205	382,096	364,630	121,303
Wages and salaries of persons employed	342,609	306,647	304,570	299,581	..
Average number of persons employed (c)	No. 739,958 (d)	No. 732,904 (d)	No. 759,736	No. 763,025	No. 764,175
Net output per person employed (c)	£ 566	£ 521	£ 503	£ 478	£ 159
Stocks of saleable coal at end of year	£'000 3,329	£'000 2,794 (e)	£'000 ..	£'000 3,228	£'000 ..
Number of colliery units or mines (f)	No. 1,062	No. 1,077	No. 1,163	No. 1,181	No. 1,334

The value of gross output is derived in the following way:-

	£'000	£'000	£'000	£'000	£'000
Net disposals of coal	507,753 (g)	..	..	436,742 (g)	145,044
Adjustment for changes in stocks	+ 534 (h)	..	..	+ 812	..
Work of capital construction	508,287	..	..	437,554	145,044
Other output and other work done	6,827 (g)	..	..	3,752 (g)	..
	4,334 (i)	..	..	5,756 (i)	1,318
Gross output (production)	519,449	467,919	468,857	447,062	146,362

(a) For small undertakings' summary see Table 2.

(b) See Table 12.

(c) Including working proprietors. For the total number of persons employed in this trade see Table 3.

(d) Number at September 22, 1951, and September 30, 1950, for National Coal Board; average number employed during the year for other undertakings.

(e) Stocks at the beginning of 1951, as returned for the Census for 1951 (see Table 21).

(f) For 1951, 1950, 1949 and 1948 this is 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.

(g) For details for 1951 and 1948 see Table 8 (i).

(h) For details for 1951 see Table 21.

(i) For details for 1951 and 1948 see Tables 8(i) and 10.

Summary  
Small undertakings (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Gross output	£'000 446	£'000 375	£'000 ..	£'000 398	£'000 399
Cost of materials and fuel used	38	33	..	25	30
Net output (b)	408	342	..	373	369
Average number of persons employed (c)	No. 866	No. 845	No. 853	No. 846	No. 774
Net output per person employed (c)	£ 471	£ 405	£ ..	£ 441	£ 476
Number of mines	No. 167	No. 162	No. 150	No. 148	No. 139

(a) Small non-nationalised undertakings (employing on the average ten or fewer persons).

(b) The value of net output here is the difference between the value of gross output and cost of materials and fuel used.

(c) Including working proprietors.

Estimated average employment (a)

All undertakings

TABLE 3

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
As returned by undertakings					
Employing on the average more than ten persons (b)	739,958 (c)	732,904 (c)	759,736	759,736	763,025
Employing on the average ten or fewer persons (d)	866 (e)	845 (e)	853	846	774
Estimated average employment in undertakings not making satisfactory returns	740,824	733,749	760,589	760,582	763,799
	-	-	-	-	-
Average employment in all undertakings	740,824 (e)	733,749 (e)	760,589	760,582	763,799

(a) Including working proprietors.

(b) See Tables 13(iv) and 14.

(c) Number at September 22, 1951 and September 30, 1950, for National Coal Board; average number employed during the year for other undertakings.

(d) See Tables 2 and 23(ii).

(e) Excluding small undertakings in Northern Ireland.



Analysis by size, 1951

Larger undertakings in Great Britain

TABLE 4

Average number of operatives employed	Colliery units or mines	Net disposals of coal	Operatives employed (a)	Wages paid
	No.	Th. tons	No.	£'000
1 - 10	18	55	162	71
11 - 24	93	546	1,528	715
25 - 49	72	808	2,504	1,160
50 - 99	54	1,191	3,821	1,815
100 - 199	82	3,689	12,360	5,846
200 - 299	85	5,336	20,750	9,523
300 - 399	67	6,322	23,664	10,772
400 - 499	69	7,997	31,056	14,141
500 - 749	149	26,553	94,844	43,761
750 - 999	128	31,002	110,788	50,501
1,000 - 1,499	135	51,199	165,797	77,108
1,500 and over	110	66,689	222,921	103,210
Total	1,062	201,385	690,195	318,623

(a) In the case of National Coal Board employees, restricted to operatives actually employed at colliery units.

Analysis by standard region, 1951 (a)

Larger undertakings in Great Britain (b)

TABLE 5

Region	Colliery units or mines	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Operatives	Other employees (c)	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England									
Northern	221	103,551	82,137	19.6	164,529	72,295	3,541	75,836	499
East and West Ridings	129	106,487	87,189	20.8	144,298	62,681	3,729	66,410	604
North Midland	100	96,675	79,836	19.1	102,158	49,708	2,420	52,127	781
London and South Eastern	4	4,730	3,803	0.9	6,666	3,247	153	3,399	571
South Western	19	3,174	2,456	0.6	6,478	2,726	177	2,903	379
Midland	85	42,927	34,278	8.2	57,805	25,235	1,565	26,799	593
North Western	81	34,088	26,729	6.4	51,887	21,962	1,450	23,413	515
Eastern and Southern	-	-	-	-	-	-	-	-	-
Total England	639	391,633	316,429	75.5	533,821	237,853	13,035	250,888	593
Wales	201	70,368	55,982	13.4	118,044	48,008	3,033	51,040	474
Scotland	222	57,447	46,472	11.1	88,093	38,314	2,367	40,680	528
Great Britain	1,062	519,449	418,882	100.0*	739,958	324,174	18,435	342,609	566

(a) National Coal Board Divisions are based on the geographical distribution of the coal fields and will not therefore correspond exactly with the standard regions given in this table.

(b) Particulars relating to National Coal Board higher organisations (e.g. Divisional Boards and Headquarters) have been allocated over the regions in proportion to the number of operatives actually employed in each region.

(c) Administrative, technical and clerical employees.

TABLE 6 - Analysis according to specialisation within the trade, 1951.

Larger establishments in Great Britain

This table is not applicable to the trade.

TABLE 7 - Total make of intermediate products: Larger establishments in Great Britain

This table is not applicable to the trade.

Sales of the principal products of the trade

Larger undertakings in Great Britain (a)

TABLE 8 (i)

	1951			1948	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Disposals of coal					
Provided free	2,091	75(b)	86	2,111	66(b)
Provided at concessionary prices (c)	3,056	1,366	141	2,945	1,279
Transferred to other establishments and services (d)	2,141	5,283	53	13,566	29,729
Transferred to National Coal Board selling organisations	13,724	38,285	39	9,331	22,453
Sold commercially (e)	181,393	465,390	213	162,455	390,388
Total disposals	202,405	510,400	..	190,406	443,915
Less coal obtained from other sources (f)	1,020	2,647	47	3,179	7,173
Net disposals (g)	201,385	507,753	..	187,227	436,742
Work done					
Cleaning and crushing coal for other mines	..	119	6	..	113
Capital construction carried out by employees (h)					
At colliery units or other establishments in the coal-mining industry		6,773	47		3,651
For other industries (including National Coal Board establishments outside the coal-mining industry)		54	16		101
Total value of net disposals of coal and work done		514,699	..		440,607

(a) For output of small undertakings see Table 8(ii).

(b) Cost of delivery by National Coal Board employees.

(c) Valued at the amounts actually received, including charges for delivery (if delivery effected by National Coal Board employees).

(d) To other collieries, to establishments in other Census trades (e.g., brickworks) and to colliery services not included in the Census returns, etc.

(e) Including commercial sales direct from National Coal Board units to consumers and distributors other than National Coal Board selling organisations.

(f) Including coal obtained from other mines or Coal Board Areas, but excluding for 1948 coal obtained from other sources and not consumed at the mine.

(g) For 1951, this excludes all colliery consumption of coal (amounting to 10,596,000 tons valued at £20,412,000); for 1948, it excludes coal produced and consumed at the same colliery (amounting to 9,570,000 tons valued at £17,524,000). Coal provided free and at concessionary prices is valued at the amount actually received (including charges for delivery in the case of National Coal Board establishments); the pithead market value of free and concessionary coal was £13,738,000 for 1951 and £12,109,000 for 1948.

(h) In addition to capital work National Coal Board employees carried out repair and maintenance work to the value of £31,003,000 for 1951 and £47,608,000 for 1948.



## Total sales by small undertakings in Great Britain (a)

	1951			1948	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Disposals of coal					
Provided free	2	-	52	1	-
Provided at concessionary prices	1	1	44	1	1
Transferred to other establishments and services	4	10	5	1	1
Sold commercially	176	428	160	180	391
Total disposals	183	439	..	183	394
Less coal obtained from sources other than the mine	1	2	..	-	-
Net disposals	183	437	..	183	393
Minerals (other than coal) and other mining products	6	6	6	3	3
Other work done		3	24		2
Total		446	167		399

(a) Small non-nationalized undertakings (employing on the average ten or fewer persons).

TABLE 9 - Sales of principal products of the trade by establishments classified to other trades: Larger establishments in Great Britain

This table is not applicable to the trade. Open cast coal production is recorded in the Building and Contracting Trade (Volume 12, Trade A).

Sales in the trade of other than principal products  
Larger undertakings in Great Britain (a)

	1951		1948	
	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000
Minerals other than coal	1,915	393	1,619	363
Electricity sold	Th. B. T. U. (kWh)		Th. B. T. U. (kWh)	
220,837	1,029	298,758	1,167	
Electricity transferred to other establishments under the same ownership	109,924	413	618,906	2,038
Gas, steam and compressed air sold	..	616	..	739
Other goods sold and work done		1,764		1,335
Total		4,216		5,643

(a) For output of small undertakings see Table 8 (ii).

## Production, exports and imports of coal (a)

	1951	1948	1935
	Th. tons	Th. tons	Th. tons
Production (b) (c)	212,395	198,975	221,903
Exports	7,807	10,505	38,714
Shipments for the use of vessels engaged in foreign trade and of fishing vessels	3,723	5,431	12,526
Retained imports	1,226	80	14
Available for use in the United Kingdom	202,067	183,120	170,677
Exports as a percentage of production	Per cent. 3.7	Per cent. 5.3	Per cent. 17.4

(a) Figures of production (or sales) refer only to larger undertakings in Great Britain (1951 and 1948) or in the United Kingdom (1935). All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.

(b) The 1951 figure excludes all colliery consumption. The figure for 1948 excludes 9,570,000 tons produced and consumed at the same colliery and the 1935 figure includes all colliery consumption.

(c) Including open cast coal, amounting to 11,010,000 tons for 1951 and 11,748,000 tons for 1948.

## Materials and fuel purchased and used, 1951

## Larger undertakings in Great Britain (a)

	1951		1948	
	Quantity	Cost	Quantity	Cost
	Th. stds.	£'000	Th. stds.	£'000
National Coal Board				
Materials				
Timber				
Mining timber (props, pitwood, shoring timber, etc.)	737.8	21,182	869.8	19,489
Other	Th. cu. ft. 2,432.1	1,438	Th. cu. ft. 3,842.2	1,190
Iron and steel	Th. tons		Th. tons	
Arches and cambered girders	286.4	7,661	548.7	11,252 (b)
Roof bars and props	109.6	2,928		
Straight joists and sections (including roof girders) (all unmachined)	65.2	1,658		
Other	95.7	3,406		
Water consumed	Th. galls. 3,025,043	165	..	38,390
All other purchased materials	..	52,287		
Fuel and electricity	Th. tons			
Coal (c)	17.3	48	1,671.9	3,152
Coke	26.5	109	94.3	173
Coke Breeze	23.4	42	..	..
Motor spirit (petrol) and oil fuel for road vehicles	Th. galls. 2,261	341	Th. galls. 2,173	201 (d)



TABLE 12 (contd.)

	1951		1948	
	Quantity	Cost	Quantity	Cost
	Th.galls.		Th.galls.	
National Coal Board (contd.)				
Fuel and electricity (contd.)				
Other oil fuel (including creosote/pitch mixtures)	1,535	106	357	30
Gas purchased	Th.therms		Th.therms	
From public supply	294	15	..	17
From other sources (e)	18,497	131	25,340	155
Electricity purchased	Th.B.T.U. (kWh)		Th.B.T.U. (kWh)	
From public supply	2,399,143	8,321	1,637,097	5,345
From other sources (f)	63,843	238	783,944	2,458
All other purchased fuel	..	115	..	174
Total		100,190		82,026
Other undertakings				
All purchased materials and fuel used		377		366
Total National Coal Board and other undertakings		100,567		82,392

(a) The total cost of materials and fuel purchased and used by small undertakings in Great Britain amounted to £38,000 for 1951 and £30,000 for 1948.

(b) Described as 'steel'.

(c) For 1951 excludes all colliery consumption and for 1948 includes only coal purchased from other mines and consumed at the colliery.

(d) Including motor spirit and derv. fuel used for other power purposes.

(e) Including gas obtained from other works under the same ownership.

(f) Including electricity obtained from other works under the same ownership.

## Employment in September

## Larger undertakings (a)

TABLE 13  
(i) Operatives

	Great Britain				Number
	1951(b) (c)	1950(c)	1949(c)	1948(d)	1935(d)
Males					
Under 18	27,399	25,163	24,256	25,003	71,885
All ages	700,986	694,830	719,788	726,991	744,244
Females					
Under 18	64	92	128	187	637
All ages	2,011	1,908	1,923	2,030	2,535
Total					
Under 18	27,463	25,255	24,384	25,190	72,522
All ages	702,997	696,738	721,711	729,021	746,779

## (ii) Administrative, technical and clerical employees (e)

	Great Britain				Number
	1951(b)	1950	1949	1948	1935
Males					
Under 18	852	966	1,267	1,438	903
All ages	29,106	28,628	28,858	27,110	16,407
Females					
Under 18	829	686	865	995	120
All ages	7,744	7,303	7,325	6,758	989
Total					
Under 18	1,681	1,652	2,132	2,433	1,023
All ages	36,850(f)	35,931(f)	36,183(f)	33,868(f)	17,396

(3651)

TABLE 13 (contd.)

## (iii) Total employees

	Great Britain				Number
	1951(b)	1950	1949	1948	1935
Males					
Under 18	28,251	26,129	25,523	26,441	72,788
All ages	730,092	723,458	748,646	754,101	760,651
Females					
Under 18	893	778	993	1,182	757
All ages	9,755	9,211	9,248	8,788	3,524
Total					
Under 18	29,144	26,907	26,516	27,623	73,545
All ages	739,847(f)	732,669(f)	757,894(f)	762,889(f)	764,175

(a) Excluded employees. The following persons were employed at the larger undertakings in this trade in 1951 but are not included in the above tables or in any other Census of Production report:-

Canteen workers 266 Males 2,907 Females  
Other workers (pithead bath workers) 1,552 Males 20 Females

(b) Including the following numbers of persons of all ages employed in the larger non-nationalized undertakings:-

Operatives, 4,294 Males 2 Females  
Administrative, technical and clerical, 183 Males 45 Females

(c) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.

(d) Average for the year.

(e) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, and October 12, 1935. For 1935, the definition of administrative, technical and clerical employees covered persons ordinarily employed in, and in connection with, the management of the mine, or in and about its offices. Figures for subsequent years are based on returns from mines and from all other establishments of the National Coal Board connected with coal mining, including area, divisional and headquarters offices, research and training establishments, etc.

(f) Working proprietors. In addition the working proprietors shown in Table 13 (iv) below were engaged in this trade in larger undertakings. The 1935 figures include working proprietors.

## (iv) Working proprietors

	Great Britain				Number
	1951	1950	1949	1948	
Males	124	113	123	133	
Females	1	-	3	3	
Total	125	113	126	136	

## Average employment

## Larger undertakings (a)

TABLE 14

	Great Britain				Number
	1951(b)	1950(b)	1949	1948	1935
Operatives	702,978	696,853	723,559	729,021	746,779
Administrative, technical and clerical employees	36,855	35,938	36,051	33,868(c)	17,396(c)
Total	739,833	732,791	759,610	762,889	764,175

(a) For employment in small undertakings (employing on the average ten or fewer persons) that made satisfactory returns, see Table 2.

(b) In week ended September 22, 1951, and September 30, 1950, for National Coal Board; average number employed during the year for other undertakings.

(c) In week ended September 25, 1948, and October 12, 1935. The 1935 figure includes working proprietors.

Outworkers. No outworkers were employed in this trade.

(3651)



Shift working, 1951 (a) (b)  
Larger undertakings in Great Britain

TABLE 15

Kind of shift working	Number of operatives engaged on shift work	
	Underground	Surface
Three shifts per day		
Morning shift	205,914	45,959
Afternoon shift	123,995	20,978
Night shift	96,371	10,702
Two shifts per day (c)		
Morning shift	16,641	10,256
Afternoon shift	14,162	7,967
Night shift	4,981	1,445
One period per day	24,159	47,447
<b>Total</b>	<b>486,223</b>	<b>144,754</b>
Total operatives engaged on shift work	630,977	
Total operatives in the trade	689,343	
Percentage on shift work	91.5	

(a) Shift working during week ended September 22, 1951.

(b) National Coal Board only. Particulars of shift working by other undertakings were not recorded.

(c) Where work is organised on two shifts per day these may comprise 'morning' and 'afternoon', or 'afternoon' and 'night' shifts. The numbers in each pair of shifts are separately recorded against the appropriate heading.

Wages and salaries and employers' National Insurance  
contributions paid during the year

Larger undertakings

TABLE 16

£'000

	Great Britain			
	1951	1950	1949	1948
Wages and salaries (a) of				
Operatives	324,174	290,224	288,278	283,962
Administrative, technical and clerical employees	18,435	16,423	16,292	15,619
<b>Total</b>	<b>342,609</b>	<b>306,647</b>	<b>304,570</b>	<b>299,581</b>
Employers' contributions to all National Insurance Schemes	7,356	7,240	7,421	6,324

(a) Including bonus and commission payments.

(3651)

Plant, machinery and vehicles - acquisitions and disposals,  
and capital expenditure on new building work

Larger undertakings

£'000

TABLE 17

	Great Britain		
	1951	1949	1948
Plant, machinery and vehicles.			
Acquisitions			
Plant and machinery (a)			
New	16,822	20,749	16,057
Second-hand	119	208	295
Vehicles			
New	664	698	567
Second-hand	149	98	30
<b>Total acquisitions</b>	<b>17,753</b>	<b>21,753</b>	<b>16,949</b>
Disposals (b)			
Plant and machinery	532	264	521
Vehicles	40	46	92
<b>Total disposals</b>	<b>572</b>	<b>310</b>	<b>613</b>
New building work			
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	10,407 (c)	6,478	4,438

(a) Including railway sidings.

(b) National Coal Board only. Particulars of disposals by other undertakings were not recorded.

(c) Including £6,550,000 in respect of underground workings.

## COUNTRY TABLES

1951

Summary

Larger undertakings

TABLE 18

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	391,633	70,368	57,447	519,449
Cost of materials and fuel used	75,204	14,387	10,976	100,567
Payment for work done on materials given out	-	-	-	-
Net output	316,429	55,982	46,472	418,882
Wages and salaries of persons employed	250,888	51,040	40,680	342,609
Average number of persons employed (a)	No. 533,821	No. 118,044	No. 88,093	No. 739,958
Net output per person employed (a)	£ 593	£ 474	£ 528	£ 566
Stocks of saleable coal at end of year	£'000 2,205	£'000 775	£'000 348	£'000 3,329
Number of colliery units or mines	No. 639	No. 201	No. 222	No. 1,062

The value of gross output is derived in the following way:-

	£'000	£'000	£'000	£'000
Net disposals of coal (b)	383,247	68,117	56,389	507,753
Adjustment for changes in stocks	+ 453	+ 127	- 46	+ 534
	383,700	68,244	56,343	508,287
Work of capital construction (b)	4,543	1,689	595	6,827
Other output and other work done (b)	3,391	435	509	4,334
<b>Gross output (production)</b>	<b>391,633</b>	<b>70,368</b>	<b>57,447</b>	<b>519,449</b>

(a) Including working proprietors.

(b) See Table 20(i).

(3651)



## Summary

## Small undertakings (a)

TABLE 19

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output	214	165	67	446
Cost of materials and fuel used	19	15	4	38
Net output (b)	195	150	62	408
Average number of persons employed (c)	No. 396	No. 317	No. 153	No. 866
Net output per person employed (c)	£ 493	£ 473	£ 407	£ 471
Number of mines	No. 76	No. 64	No. 27	No. 167

(c) Small non-nationalised undertakings in Great Britain (employing on the average ten or fewer persons).  
 (b) The value of net output here is the difference between the value of gross output and cost of materials and fuel used.  
 (c) Including working proprietors. For details of employment see Table 23 (ii).

Sales in the trade  
Larger undertakings (a)

TABLE 20 (i)

	England and Wales		Scotland		Great Britain	
	Quantity Th. tons	Value £'000	Quantity Th. tons	Value £'000	Quantity Th. tons	Value £'000
Disposals of coal						
Provided free	2,087	75	4	-	2,091	75
Provided at concessionary prices	2,615	919	440	447	3,056	1,366
Transferred to other establishments and services	1,889	4,688	252	595	2,141	5,283
Transferred to National Coal Board selling organisations	13,518	37,719	206	567	13,724	38,285
Sold commercially	160,150	410,480	21,243	54,910	181,393	465,390
Total disposals	180,260	453,881	22,146	56,519	202,405	510,400
Less coal obtained from other sources	963	2,516	57	131	1,020	2,647
Net disposals	179,297	451,364	22,088	56,389	201,385	507,753
Work done						
Cleaning and crushing coal for other mines	..	91	..	28	..	119
Capital construction carried out by National Coal Board employees						
At colliery units or other establishments in the coal-mining industry		6,206		567		6,773
For other industries (including National Coal Board establishments outside the coal-mining industry)		26		28		54
Total value of net disposals of coal and work done		457,687		57,012		514,699
Other output						
Minerals other than coal	1,104	314	811	79	1,915	393
Electricity sold	Th.B.T.U. (kWh) 215,387	1,000	Th.B.T.U. (kWh) 5,450	29	Th.B.T.U. (kWh) 220,837	1,029
Electricity transferred to other establishments under the same ownership	100,089	372	9,835	41	109,924	413
Gas, steam and compressed air sold	..	601	..	15	..	616
Other goods sold and work done		1,447		317		1,764
Total		461,422		57,493		518,915

(a) For output of small undertakings see Table 20 (ii).

(3651)

Sales in the trade  
Small undertakings (a)

TABLE 20(ii)

	England and Wales		Scotland		Great Britain	
	Quantity Th. tons	Value £'000	Quantity Th. tons	Value £'000	Quantity Th. tons	Value £'000
Disposals of coal						
Provided free	2	-	-	-	2	-
Provided at concessionary prices	1	1	-	-	1	1
Transferred to other establishments and services	4	10	-	-	4	10
Sold commercially	150	360	27	68	176	428
Total disposals	156	371	27	68	183	439
Less coal obtained from sources other than the mine	-	1	-	1	1	2
Net disposals	156	370	27	66	183	437
Minerals (other than coal) and other mining products	6	6	-	-	6	6
Other work done		2		1		3
Total		379		67		446

(a) Small non-nationalised undertakings (employing on the average ten or fewer persons).

Stocks of saleable coal  
Larger undertakings

TABLE 21

		£'000		
		England and Wales	Scotland	Great Britain
Saleable coal	{ at beginning of year	2,400	394	2,794
	{ at end of year	2,980	348	3,329

Employment in September  
Larger undertakings (a)(b)(c)TABLE 22  
(i) Operatives

	England and Wales		Scotland		Great Britain	
	Number		Number		Number	
Males						
Under 18	23,564		3,835		27,399	
All ages	617,851		83,135		700,986	
Females						
Under 18	49		15		64	
All ages	1,694		317		2,011	
Total						
Under 18	23,613		3,850		27,463	
All ages	619,545		83,452		702,997	

(continued overleaf)

(3651)



TABLE 22 (contd.)

(ii) Administrative, technical and clerical employees		Number		
		England and Wales	Scotland	Great Britain
<b>Males</b>				
Under 18		761	91	852
All ages		25,624	3,482	29,106
<b>Females</b>				
Under 18		699	130	829
All ages		6,633	1,111	7,744
<b>Total</b>				
Under 18		1,460	221	1,681
All ages (d)		32,257	4,593	36,850

(iii) Total employees		Number		
		England and Wales	Scotland	Great Britain
<b>Males</b>				
Under 18		24,325	3,926	28,251
All ages		843,475	86,617	730,092
<b>Females</b>				
Under 18		748	145	893
All ages		8,327	1,428	9,755
<b>Total</b>				
Under 18		25,073	4,071	29,144
All ages (d)		651,802	88,045	739,847

(a) Excluded employees. The number of persons employed at the larger undertakings in this trade but not included in the above tables or in any other Census of Production report are shown in Table 22(v) below.

(b) For average employment in small undertakings see Table 23(ii).

(c) Number employed in the week ended September 22, 1951.

(d) Working proprietors. In addition the working proprietors shown in Table 22 (iv) below were engaged in this trade in larger undertakings.

(iv) Working proprietors		Number		
		England and Wales	Scotland	Great Britain
<b>Males</b>				
		81	43	124
<b>Females</b>				
			1	1
<b>Total</b>				
		81	44	125

(v) Excluded employees		Number		
		England and Wales	Scotland	Great Britain
<b>Canteen workers</b>				
<b>Males</b>				
		259	7	266
<b>Females</b>				
		2,697	210	2,907
<b>Total</b>				
		2,956	217	3,173
<b>Other workers (pithead bath workers)</b>				
<b>Males</b>				
		1,290	262	1,552
<b>Females</b>				
		17	3	20
<b>Total</b>				
		1,307	265	1,572
<b>Total excluded employees</b>				
		4,263	482	4,745

Average employment  
Larger undertakings (a)

TABLE 23 (i)		Number		
		England and Wales	Scotland	Great Britain
<b>Operatives</b>		619,521	83,457	702,978
<b>Administrative, technical and clerical employees</b>		32,263	4,592	36,855
<b>Total</b>		651,784	88,049	739,833

(a) In week ended September 22, 1951 for National Coal Board employees; average number employed during the year for other undertakings.

No outworkers were employed in this trade.

Average employment  
Small undertakings (a)

TABLE 23 (ii)		Number		
		England and Wales	Scotland	Great Britain
<b>Males (b)</b>				
Under 18		16	1	17
All ages		555	124	679
<b>Females (b)</b>				
Under 18		2	-	2
All ages		12	-	12
<b>Total (b)</b>				
Under 18		18	1	19
All ages		567	124	691

(a) Small non-nationalised undertakings (employing on the average ten or fewer persons).

(b) There were, in addition, 175 working proprietors (174 males and 1 female) in Great Britain; 145 males and 1 female in England and Wales, and 29 males in Scotland.

Wages and salaries and employers' National Insurance  
contributions paid during the year

Larger undertakings

TABLE 24		£'000		
		England and Wales	Scotland	Great Britain
<b>Wages and salaries (a) of</b>				
<b>Operatives</b>		285,861	38,314	324,174
<b>Administrative, technical and clerical employees</b>		16,068	2,367	18,435
<b>Total</b>		301,929	40,680	342,609
<b>Employers' contributions to all National Insurance Schemes</b>		6,475	881	7,356

(a) Including bonus and commission payments.



Plant, machinery and vehicles - acquisitions and disposals,  
and capital expenditure on new building work

## Larger undertakings

	England and Wales	Scotland	Great Britain
Plant, machinery and vehicles			
Acquisitions			
Plant and machinery			
New	15,159	1,664	16,822
Second-hand	103	15	119
Vehicles			
New	587	77	664
Second-hand	137	12	149
Total acquisitions	15,986	1,767	17,753
Disposals			
Plant and machinery	496	36	532
Vehicles	33	6	40
Total disposals	529	43	572
New building work			
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	8,916(a)	1,491(b)	10,407

(a) Including £5,521,000 in respect of underground workings.

(b) Including £1,029,000 in respect of underground workings.

TABLE 26 - Payments for transport services for finished goods sold  
and materials and fuel purchased; Larger establishments

Particulars of payments for transport services were not ascertained for this trade.

## GENERAL NOTES

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory Notes' (price 1s.6d. net) for particulars of the minor differences in the Northern Ireland censuses and other details about the census of production.

**Trade classification:** Establishments are classified to trades according to the nature of their output. Certain products, called principal products, are identified as characteristic of the production of individual trades, the principal products for a given trade being of a similar nature or commonly associated in production. An establishment is classified to a trade if its output of principal products of that trade accounted for a greater proportion of the value of its output than did its output of principal products of any other trade.

**The establishment:** The basic unit for the collection of information is generally the establishment which in most cases comprises the whole of the premises under the same ownership or management at a particular address (e.g., a factory). Offices, warehouses and other ancillary places of business situated apart from the producing works are included in the return for the works.

**Larger establishments and small firms:** Larger establishments are those which employed more than 10 persons on the average during the year; small firms are those employing on the average 10 or fewer persons.

**Working proprietors** are proprietors of businesses other than limited companies, and include members of their families who work in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded.

**Persons employed:** Administrative employees include directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

All these figures exclude canteen employees and persons engaged in merchandising or any other activity not covered by a firm's return who are shown separately as excluded employees.

Figures for employees include only persons on the pay-roll (that is whose National Insurance cards were held by the firm), whether full-time or part-time employees.

**Outworkers,** who are shown separately, are persons employed by the firm who work on materials supplied by the firm, but do not work on the premises; operatives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not included as outworkers.

**Wages and salaries** include all overtime payments, bonuses, and commissions, without any deduction for income tax, insurance, contributory pensions, etc. They exclude payments to working proprietors.

**Capital expenditure:** Expenditure on plant, machinery and vehicles relates to expenditure charged to capital account during the year of return, including transport and installation costs involved. Expenditure on new building work is similarly that charged to capital account during the year.

**Materials and fuel:** The cost of materials and fuel purchased includes all purchases during the year of materials for use in production and of fuel (including oil, gas, and electricity for all purposes, including heating and lighting); all packing materials, including the full cost of returnable containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by

their own work people included in the return; and consumable tools and parts for machinery purchased as replacement. Materials, components, etc. which were purchased and re-sold in the same state (that is, merchanted or factored goods) were excluded. For 1951 firms in many trades were required to state the quantities of certain purchased materials used.

**Stocks and work in progress:** Firms were instructed to give these at income tax value.

**Output:** Sales means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. For all post-war censuses the value of sales was the net selling value, that is, the amount charged to customers, whether on an ex-works or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

**Gross output** of a trade is the total value of goods made and other work done during the year; this means the value of sales and work done during the year adjusted for changes in the values of stocks.

**Net output** is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used and the amount paid for work given out and, for 1951, any transport payments included in firms' returns. This represents the value added to materials by the process of production, and constitutes the fund from which wages, salaries, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met as well as depreciation and profits.

**Customs and Excise Duty** paid on materials purchased is included in the cost of materials, but where it is especially important separate figures are shown.

**Later reports:** Reports will be published later summarising the main census results and giving information about power equipment and fuel consumption.

**Disclosure of information:** The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm.

**Symbols used:** '..' for 'Not available', '-' for 'Nil or negligible (less than half the final digit shown)'

The figures in the tables have been rounded off to the nearest final digit, and there may be an apparent slight discrepancy between the sums of the constituent items and the totals shown.

Tables 1 to 17 show figures for the United Kingdom (or Great Britain).

Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, Scotland and Northern Ireland.

Table 6: Specialist producers refer to those establishments 50 per cent. or more of whose total output by value is accounted for by the groups of products specified.

Table 8 (or 8(i)) shows the total sales of principal products of the trade, and includes therefore the sales of these products returned by establishments whether classified to the trade or to other trades. Those produced by establishments in other trades are shown in Table 9.

Table 10 shows the sales by establishments in the trade of products other than those regarded as principal products of the trade.

Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10.



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