

COAL MINES

INTRODUCTORY

This trade comprises firms that were engaged wholly or mainly in coal mining.

Table I A.—General summary

Particulars	1935	1930	1924
Value of products (Gross output) ...	£'000 146,362	£'000 166,770	£'000 251,337
Cost of materials, fuel, and electricity used ...	25,059	28,124	41,608
Net output ...	121,303	138,646	209,729
Average number of persons employed ...	No. 764,175	No. 932,434	No. 1,197,164*
Net output per person employed ...	£ 159	£ 149	£ 175
Number of returns ...	No. 1,039	No. 1,373	No. 1,188
Number of mines ...	1,334	1,792	†

* Number employed in week ended October 18th.

† Not available.

Table I B.—Mines employing not more than ten persons on the average

Particulars	1935	1930	1924
Number of returns received ...	No. 245	No. 332	No. 273
Average number of persons employed:—			
Males ...	1,382	1,415	1,299
Females ...	3	4	5
TOTAL ...	1,385	1,419	1,304
Number of firms not making returns ...	—	—	20

In 1924 the value of the gross output of the small firms making returns was 0·1 per cent. of the total.

Table II.—Size of mines in 1935

Size of mine (average number employed)	Number of mines	Gross output	Net output	Number of persons employed	Net output per person employed
11— 24 ...	No. 128	£'000 360	£'000 304	No. 2,173	£ 140
25— 49 ...	142	873	720	4,745	152
50— 99 ...	94	1,259	1,059	6,617	160
100— 199 ...	113	3,204	2,596	17,058	152
200— 299 ...	96	4,522	3,698	23,947	154
300— 399 ...	99	6,487	5,317	34,387	155
400— 499 ...	94	8,061	6,616	42,016	157
500— 749 ...	186	21,614	17,827	114,488	156
750— 999 ...	125	20,934	17,282	110,188	157
1,000—1,499 ...	141	33,087	27,421	172,223	159
1,500 and over ...	116	45,961	38,493	236,333	163
TOTAL ...	1,334	146,362	121,303	764,175	159

Table III.—Particulars of output, etc., in each of the principal areas of the United Kingdom

Area *	Number of mines †	Gross output	Net output	No. of persons employed	Net output per person employed	
		£'000	£'000	No.	£	
2 ...	1935 1930	124	11,963	9,772	65,798	149
		135	12,223	10,015	77,052	130
3 ...	1935 1930	165	26,431	22,523	139,839	161
		161	29,671	25,308	171,269	148
4 ...	1935 1930	246	26,292	21,600	150,049	144
		211	30,706	25,424	178,429	142
5 ...	1935 1930	123	13,287	10,903	68,705	159
		108	13,184	10,953	74,213	148
6 ...	1935	106	17,392	14,967	91,195	164
7 ...	1935	33	1,825	1,539	10,126	152
8 ...	1935	4	1,648	1,336	7,345	182
9 ...	1935	8	422	365	2,540	144
11 ...	1935	9	524	438	3,118	140
6 to 11 ...	1935 1930	160	21,811	18,645	114,324	163
		188	25,175	21,484	147,450	146
12 ...	1935 1930	251	25,739	20,888	130,007	161
		272	34,325	28,094	172,026	163
13 and 18 ...	1935 1930	22	2,052	1,637	10,508	156
		25	2,313	1,923	14,778	130
14 ...	1935 1930	114	7,708	6,308	35,099	180
		114	6,812	5,551	33,905	164
15 ...	1935	92	8,859	7,228	39,780	182
16 and 17 ...	1935	37	2,220	1,799	10,066	179
15 to 17 ...	1935 1930	129	11,079	9,027	49,846	181
		159	12,361	9,894	63,312	156
TOTAL ...	1935 1930	1,334	146,362	121,303	764,175	159
		1,373	166,770	138,646	932,434	149

* For particulars see page xviii.

† Number of returns for 1930.

Table IV.—No sub-divisions of this industry have been distinguished.

PRODUCTION

Table V.—Saleable coal raised

Coal	1935			1930	
	Quantity	Value	Entries	Quantity	Value
Small ...	Th. tons 67,704	£'000 32,249	No. 850	} 243,480	} 165,407
Sized ...	62,660	44,387	710		
Through and through ...	26,370	16,738	506		
Large ...	60,994	49,058	837		
Unclassified ...	4,175	2,612	35		
TOTAL—SALEABLE COAL ...	221,903	145,044	...	243,480	165,407

Table VI.—Average values of coal produced, exported and imported

Coal	Production (at pithead)			Exports (f.o.b.)		Imports (c.i.f.)	
	Average value		1935 as a percentage of 1930	Average value		Average value	
	1935	1930		1935	1930	1935	1930
	s. per ton	s. per ton	Per cent.	s. per ton	s. per ton	s. per ton	s. per ton
Small	9.53	}	}	11.23	12.42	}	}
Sized	14.17			17.52	17.96		
Through and through ...	12.69			14.20	15.04		
Large	16.09			18.18	18.65		
TOTAL—COAL ...	13.07	13.59	96.22	16.30	16.64	28.59	34.08

* Not recorded separately.

Table VII.—Volume of Production, 1924-1935

Coal	1924	1930	1935
Value of output as returned	£'000	£'000	£'000
Value at 1935 prices	250,233	165,407	145,044
	173,424	159,150	145,044
Volume of production as a percentage of 1935...	Per cent. 120	Per cent. 110	Per cent. 100

Table VIII.—Production, Exports and Imports

Coal	1935	1930
Production	Th. tons 221,903	Th. tons 243,480
Exports*	38,714	54,874
Shipments of coal for the use of vessels engaged in the foreign trade and of fishing vessels	12,526	15,617
Retained imports	14	17
Available for use in the United Kingdom†	170,677	173,006
Exports as a percentage of production	Per cent. 17.4	Per cent. 22.5

* Exclusive of coal used in the production of exported coke and manufactured fuel.

† Including coal for Admiralty purposes and coastwise bunkers

Table IX.—Other products of Coal Mines

The value of the gross output of the firms whose returns were made on schedules for Coal Mines was £146,362,000 in 1935 and £166,770,000 in 1930, of which £145,044,000 in 1935 and £165,407,000 in 1930 consisted of products included in Table V. Particulars of the remaining items are shown in the following table.

Kind of output	1935		1930	
	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000
Iron ore and ironstone :—				
Hematite	4.6	3	} 352.8	232
Other	160.9	81		
Iron pyrites	0.9	1	5.5	5
Fireclay	973.8	307	1,333.2	476
Clay, other than fireclay	192.1	21	223.1	15
Sandstone and ganister	12.8	9	54.1	33
Shale	68.4	6	85.8	8
Other mining products		16		6
Electricity sold	mill. Th. B.T.U.s. (Kw.-hrs.) 638.0	846	mill. Th. B.T.U.s. (Kw.-hrs.) 294.2	588
Other output		28		
TOTAL		1,318		1,363

MATERIALS AND FUEL

Table X A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	1935		1930
	Quantity	Cost	Cost
	Th. tons	£'000	£'000
Timber of all kinds		6,058	} 28,124
Fuel and electricity used for all purposes :—			
Coal	11,968.9	4,306	
Coke	126.5	40	
Heavy fuel oil	Th. galls. 75	3	
Purchased electricity*	Th. B.T.U. (Kw.-hrs.) 1,286,689	2,215	
All other purchased materials and fuel		12,437	
TOTAL		25,059	28,124

* Including electricity generated in other works under the same ownership.

Table X B.—Consumption of coal, coke and electricity

Kind of fuel	1935	1930
Coal	Th. tons 11,968.9	Th. tons 14,204.2
Coke	126.5	250.8
Electricity :—	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Generated in same works	1,438,263	1,592,454
Generated in other works under same ownership	493,018	444,106
Purchased	793,671	643,693
Total electricity consumed	2,724,952	2,680,253

EMPLOYMENT

Table XI A.—Average numbers employed

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
Operatives (average for the year) ...	1935 71,885	744,244	637	2,535	72,522	746,779
...	1930 91,087	912,240	893	3,311	91,980	915,551
Administrative, technical and clerical staff* ...	1935 903	16,407	120	689	1,023	17,396
...	1930 838	16,171	83	712	921	16,883
TOTAL ...	1935 72,788	760,651	757	3,524	73,545	764,175
...	1930 91,925	928,411	976	4,023	92,901	932,434

* As at 12th October, 1935, and 13th December, 1930.

Table XI B.—Operatives employed at four specified dates in 1930 and 1935 by firms furnishing returns in respect of the twelve months ended December

Mid week of*	Operatives employed		Monthly index†	
	1930	1935	1930	1935
March ...	958,617	718,627	128.4	102.2
June ...	921,157	701,582	123.3	99.8
September ...	889,779	690,609	119.1	98.3
December ...	892,653	700,780	119.5	99.7
Average ...	915,552	702,900	122.6	100.0
Proportion of total operatives represented ...	100.00	94.12

* For the ending date of each week see page xiv.

† Based on the estimated average for the year 1935.

Table XI C.—Average numbers employed, 1924-1935.

Year	Operatives	Administrative technical and clerical staff.	Total
1924 ...	1,175,190	21,974	1,197,164
1930 ...	915,551	16,883	932,434
1935 ...	746,779	17,396	764,175

Table XII.—Wages

The particulars given in the following table are based on those published in the Annual Reports of the Secretary for Mines. The numbers of operatives are the total figures shown in those reports, and the percentages represent the proportion which these totals form of the numbers of operatives recorded for Census of Production purposes, i.e., excluding mines employing not more than ten persons on the average.

Particulars	1935		1930	
	Aggregate	Proportion represented	Aggregate	Proportion represented
Gross output ...	£'000 141,239	Per cent. 96.5	£'000 159,432	Per cent. 95.6
Net output ...	117,058	96.5	132,546	95.6
Operative staff employed (average for the year) ...	No. 720,267	96.5	No. 875,067	95.6
Wages paid ...	£'000 85,284	Proportion of net output 72.9	£'000 99,678	Proportion of net output 75.2

COUNTRY TABLES (1935)

Owing to the possible disclosure of information relating to individual mines, the particulars for Northern Ireland have been combined with those for England and Wales.

Table I.—General summary

Particulars	Unit	England and Wales and Northern Ireland	Scotland	United Kingdom
Value of products (Gross output) ...	£'000	127,575	18,787	146,362
Cost of materials, fuel and electricity used ...	"	21,607	3,452	25,059
Net output ...	"	105,968	15,335	121,303
Average number of persons employed ...	No.	679,230	84,945	764,175
Net output per person employed ...	£	156	181	159
Number of returns ...	No.	859	180	1,039
Number of mines ...	"	1,091	243	1,334

Table II.—Output

Kind of output	Unit	England and Wales and Northern Ireland			Scotland	United Kingdom
Coal :—						
Small ...	Th. tons	64,002	3,702	67,704		
	£'000	30,783	1,466	32,249		
Sized ...	Th. tons	48,607	14,053	62,660		
	£'000	36,960	7,427	44,387		
Through and through	Th. tons	24,928	1,442	26,370		
	£'000	15,991	747	16,738		
Large ...	Th. tons	48,588	12,406	60,994		
	£'000	40,140	8,918	49,058		
Unclassified ...	Th. tons	4,028	147	4,175		
	£'000	2,540	72	2,612		
Iron ore and ironstone :—						
Hematite ...	Th. tons	4.2	0.4	4.6		
	£'000	3	*	3		
Other ...	Th. tons	148.6	12.3	160.9		
	£'000	79	2	81		
Iron pyrites ...	Th. tons	0.9	—	0.9		
	£'000	1	—	1		
Fireclay ...	Th. tons	729.1	244.7	973.8		
	£'000	232	75	307		
Clay, other than fireclay	Th. tons	67.2	124.9	192.1		
	£'000	16	5	21		
Sandstone and ganister...	Th. tons	7.3	5.5	12.8		
	£'000	7	2	9		
Shale ...	Th. tons	68.4	—	68.4		
	£'000	6	—	6		
Other mining products ...	£'000	8	8	16		
Electricity sold ...	B.T.U.	541.5	96.5	638.0		
	£'000	785	61	846		
Other output ...	£'000	24	4	28		
TOTAL—VALUE OF GOODS MADE...	£'000	127,575	18,787	146,362		

* Less than £500

Table III A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	Unit	England and Wales and Northern Ireland			Scotland	United Kingdom
Timber of all kinds ...	£'000	5,170	888	6,058		
Fuel and electricity used for all purposes :—						
Coal ...	Th. tons	9,842.9	2,126.0	11,968.9		
	£'000	3,837	469	4,306		
Coke ...	Th. tons	126.5	—	126.5		
	£'000	40	—	40		
Heavy fuel oil ...	Th. galls.	58	17	75		
	£'000	2	1	3		
Purchased electricity*...	B.T.U. (Kw.-hrs.)	1,094,052	192,637	1,286,689		
	£'000	1,936	279	2,215		
All other purchased materials and fuel ...	£'000	10,622	1,815	12,437		
TOTAL ...	£'000	21,607	3,452	25,059		

* Including electricity generated in other works under the same ownership.

Table III B.—Consumption of electricity

Electricity consumed	England and Wales and Northern Ireland			Scotland	United Kingdom
Generated in same works ...	Th. B.T.U. (Kw.-hrs.)	1,159,957	278,306	1,438,263	
Generated in other works under same ownership ...		368,698	124,320	493,018	
Purchased ...		725,354	68,317	793,671	
TOTAL ...		2,254,009	470,943	2,724,952	

Table IV A.—Numbers employed in week ended 12th October, 1935

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
England and Wales and Northern Ireland :—						
Operatives ...	61,929	651,393	372	1,829	62,301	653,222
Administrative, etc.* ...	765	14,838	90	797	855	15,635
Total ...	62,694	666,231	462	2,626	63,156	668,857
Scotland :—						
Operatives ...	8,975	82,692	256	671	9,231	83,363
Administrative, etc.* ...	138	1,569	30	192	168	1,761
Total ...	9,113	84,261	286	863	9,399	85,124
United Kingdom :—						
Operatives ...	70,904	734,085	628	2,500	71,532	736,585
Administrative, etc.* ...	903	16,407	120	989	1,023	17,396
TOTAL ...	71,807	750,492	748	3,489	72,555	753,981

* Administrative, technical and clerical staff.

Table IV B.—Operatives employed in one week in each month of 1935

Week ended	Males and females		
	England and Wales and Northern Ireland	Scotland	United Kingdom
January 19 ...	679,530	82,798	762,328
February 16 ...	680,765	83,728	764,493
March 16 ...	678,123	83,905	762,028
April 13 ...	668,456	84,038	752,494
May 18 ...	667,041	83,641	751,282
June 15 ...	659,323	82,918	742,241
July 13 ...	658,213	82,322	740,535
August 17 ...	651,723	82,334	734,057
September 14 ...	650,008	82,990	732,998
October 12 ...	653,222	83,363	736,585
November 16 ...	654,733	83,084	737,817
December 14 ...	601,398	83,089	744,487
Average for the twelve months ...	663,595	83,184	746,779

Table V. Firms employing not more than ten persons on the average

Particulars	England and Wales	Scotland	Great Britain	Northern Ireland
	No.	No.	No.	No.
Number of returns received ...	216	29	245	—
Average number of persons employed :—				
Males ...	1,173	209	1,382	—
Females ...	1	2	3	—
Total ...	1,174	211	1,385	—