



BOARD OF TRADE

THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1949

VOLUME 1

Mining and Quarrying and the Treatment of
Non-Metalliferous Mining Products other
than Coal

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

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The Report on the Census of Production for 1949

Volume 1. Mining and Quarrying and the treatment of Non-Metalliferous Mining Products other than Coal

In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report, but also the general explanations and qualifications contained in the separate booklet published in this series entitled "The Report on the Census of Production for 1949: Introductory Notes," price 9d. net.

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Table 1.—Output, materials, stocks, average employment, capital expenditure, etc., in larger establishments; average employment in small firms Pages 1/3 to 1/9

Table No.	Trade	Standard Industrial Classification minimum list heading	Activities in which establishments in the trade are wholly or mainly engaged	Page
1-A	A Coal Mines	10	<p>The extraction of coal from deep mines and quarries at establishments of the National Coal Board and by undertakings not operated by the National Coal Board.</p> <p>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.</p> <p>The extraction of coal from opencast workings is excluded from this trade and included in the report on the Building and Contracting Trade (Volume 12, Trade A).</p> <p>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.</p> <p>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.</p> <p>In certain respects, the figures for 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 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 materials and fuel totals for the two years are not comparable, that for 1935 including, at estimated market price, all coal consumed at the colliery, while that for 1949 and 1948 excludes coal raised and consumed at the same colliery. Also included in gross output for 1949 and 1948 is the value of capital work carried out by employees of the National Coal Board; the corresponding figure was not ascertained in 1935</p>	1/3
1-B	B Non-Metalliferous Mines and Quarries (other than Coal, Salt and Slate)	12, 14, 19 (3) and 19 (4)	<p>The mining and quarrying of non-metalliferous minerals (other than coal, salt or slate) and such ancillary operations as cleaning, washing, grading, etc., normally carried out at mines or quarries. Oil mining, oil shale mining and oil shale retorting are included.</p> <p>Quarries producing brickearth, clay, etc., which were owned by firms manufacturing brick and fireclay products were, in the main, returned in the Brick and Fireclay Trade in 1949, 1948 and 1935. Some firms, however, made separate returns for their different undertakings. The proportion of undertakings making separate returns differed in these years and there were similar differences in the treatment of quarries owned by firms manufacturing china and earthenware and cement; figures for the three years are, therefore, not precisely comparable.</p> <p>At the 1935 Census, particulars relating to all mining and quarrying in Northern Ireland were included in the report on this trade, separate particulars not being available</p>	1/3
1-C	C Salt Mines, Brine Pits and Salt Works	19 (2)	<p>The production of rock salt, salt from brine and table salt. Separate establishments at which the crude salt is further processed, packed, etc., are excluded and are dealt with in the report on the Miscellaneous Preserved Foods Trade (Volume 9, Trade G)</p>	1/4
1-D	D Slate Quarries and Mines	13	<p>The quarrying or mining of slate</p>	1/4
1-E	E Metalliferous Mines and Quarries	11 and 19 (1)	<p>The mining of or quarrying metalliferous ores (iron ore and ironstone, lead, tin, etc., ores)</p>	1/5

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Table No.	Trade	Standard Industrial Classification minimum list heading	Activities in which establishments in the trade are wholly or mainly engaged	Page
1-F	F Brick and Fireclay	20 and 29 (3) (part)	The manufacture of building bricks, clay flooring and roofing tiles, fireclay sanitary ware and other similar clay products, bath bricks, hearthstones, ground or flaked graphite and refractory goods such as ganister, magnesite and silica bricks, crucibles, gas retorts and kiln linings. As regards quarries owned by firms in this trade see the note above on the Non-Metalliferous Mines and Quarries (other than Coal, Salt and Slate) Trade—B	1/5
1-G	G China and Earthenware	21	The manufacture of earthenware insulators and electrical fittings, china-ware and domestic pottery, earthenware jars, china ornaments, glazed tiles, sanitary ware, etc. As regards quarries owned by firms in this trade see the note above on the Non-Metalliferous Mines and Quarries (other than Coal, Salt and Slate) Trade—B	1/6
1-H	H Glass Containers	23	The manufacture of glass bottles, bottle stoppers, jars, syphons and vacuum flasks	1/6
1-I	I Glass (other than containers)	22	The manufacture of all types of sheet glass (including wired and other "safety" glass), glass rods, glass tubing, domestic glassware, mirrors, leaded lights, lamp glasses and lamp bulbs, scientific and surgical glass-ware; glass cutting, decorating, engraving, polishing, staining, etc., and all other glass products other than containers. The manufacture of optical glass is included but the grinding of lenses is excluded	1/7
1-J	J Cement	24	The manufacture of cement of all types other than refractory, gypseous and plaster type cements. As regards quarries owned by firms in this trade see the note above on the Non-Metalliferous Mines and Quarries (other than Coal, Salt and Slate) Trade—B	1/7
1-K	K Abrasives	29 (1)	The manufacture of artificial abrasives whether in the form of powder, paste, stone or coated paper and cloth, and shaping natural abrasives into grindstones, etc.	1/8
1-L	L Building Materials	29 (2) and 29 (3) (part)	The treatment of stone (including the manufacture of monumental masonry) and the manufacture of slate goods (except slates for roofing and damp courses), prefabricated concrete products, artificial paving stone, asbestos cement goods, lime, plaster of paris, etc. Firms that treated stone obtained from their own quarries are included in the report on the Non-Metalliferous Mines and Quarries Trade—B	1/8
1-M	M Roofing Felts	29 (3) (part)	The manufacture of paper, tarred flax, jute and other felts	1/9
1-N	N Manufactured Fuel	29 (3) (part)	The manufacture of fuel briquettes, ovoids, etc.	1/9

Table 2.—Employment in larger establishments. Numbers employed in week ended September 24, 1949 ... Page 1/10

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Table 1—A Coal Mines Trade

Unit	1949						1948	1935
	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
Undertakings employing on average more than 10 persons								
Number of mines (a)	No. 672	228	263	1,163	—	1,163	1,181	1,334
Gross output (production) (v)	£'000 347,849	65,989	55,019	468,857	—	468,857	447,062	146,362
Cost of materials and fuel used	61,930	13,833	10,978	86,741	—	86,741	82,392	25,059
Payment for work done on materials given out	20	—	—	20	—	20	40	..
Net output	285,900	52,156	44,040	382,096	—	382,096	364,630	121,303
Average number employed	No. 522,135	116,971	84,453	723,559	—	723,559	729,021	746,779
Working proprietors	25,373	6,205	4,473	36,051	—	36,051	33,868	17,396
Total employment including working proprietors	58	30	38	126	—	126	136	..
Net output per person employed	£ 547,566	123,206	88,964	759,736	—	759,736	763,025	764,175
Wages and salaries (b)	£'000 522	423	495	503	—	503	478	159
Capital expenditure on new buildings (excluding site value) and on underground workings	211,414	42,417	34,447	288,278	—	288,278	283,962	..
Plant and machinery	11,681	2,088	2,088	16,292	—	16,292	15,619	..
Vehicles	4,578	835	1,065	6,478	—	6,478	4,438	..
Undertakings employing on average 10 or fewer	No. 78	54	16	148	..	7	139	..
Average number employed (including working proprietors)	407	327	112	846	..	853	774	..
All undertakings (including those not making satisfactory returns): estimated average employment	547,973	123,533	89,076	760,582	7	760,589	763,799	..

Table 1—B Non-Metalliferous Mines and Quarries (other than Coal, Salt and Slate) Trade

Unit	1949						1948	1935
	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons								
Total value of sales and work done (e)	£'000 797	117	177	1,091	128(d)	1,219(d)	1,066	1,495
Transport of products carried out by firms' own employees (e)	29,182	3,927	7,586	40,695	1,309	42,004	38,622	13,574
Stocks of finished goods	1,914	186	216	2,316	..	2,316	2,400(f)	..
Payment for transport by other firms (e)	1,111	74	131	1,316	3	1,319	863	..
Gross output (production) (e)	1,223	75	166	1,465	2	1,467	1,281	..
Purchases of materials and fuel	7,243	802	854	8,899	4	8,903	115	..
Stocks of materials and fuel	31,208	4,114	7,838	43,159	1,308	44,468	41,440	13,574
Cost of materials and fuel used	9,679	1,071	3,265	14,015	375	14,390	12,305	..
Payment for work done on materials given out	1,601	230	92	1,923	11	1,934	1,467	..
Net output	1,638	278	95	2,010	7	2,017	1,909	..
Average number employed	9,642	1,023	3,262	13,927	379	14,306	11,864	3,471
Working proprietors	39	5	133	177	—	177	165	—
Total employment including working proprietors	21,527	3,085	4,443	29,055	929	29,984	29,412	10,103
Net output per person employed	No. 27,525	4,539	7,570	39,634	2,921	42,555	40,077	49,174
Wages and salaries (b)	4,111	499	664	5,274	142	5,416	5,157	3,490
Capital expenditure on new buildings	80	13	31	124	198	322	133	..
Plant and machinery	31,716	5,051	8,265	45,032	3,261	48,293	45,367	52,664
Vehicles	£ 679	611	538	645	285	621	648	192
Undertakings employing on average 10 or fewer	£'000 9,618	1,501	2,482	13,602	609	14,211	13,091	..
Average number employed (including working proprietors)	1,907	23	25	2,390	40	2,430	2,229	..
All firms (including firms not making satisfactory returns): estimated average employment	216	23	25	265	..	265	228	..
Plant and machinery	2,596	265	273	3,134	148	3,282	2,777	..
Vehicles	271	18	33	322	29	351	331	..
Undertakings employing on average 10 or fewer	174	9	24	207	12	219	216	..
Average number employed (including working proprietors)	471	44	45	560	47	607	557	..
All firms (including firms not making satisfactory returns): estimated average employment	106	8	20	134	18	153	120	..
Estimated average employment	48	5	5	58	4	63	66	..
Firms employing on average 10 or fewer: number of returns	No. 877	56	95	1,028	194	1,222	1,014	..
Average number employed (including working proprietors)	5,064	327	490	5,881	819	6,700	5,529	..
All firms (including firms not making satisfactory returns): estimated average employment	37,173	5,401	8,776	51,350	4,080(d)	55,430(d)	51,534	..

(For notes see page 1/11.)

THE
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