

Weardale Blast Furnace Statistics for 1880s

This document comprises parts of the Geological Survey Mineral Statistics relating to blast furnaces in Weardale in the 1880s. It includes the blast furnaces at Tow Law and Witton Park, using Mineral Statistics published between 1881 and 1891, with records for 1880 to 1889.

There is no mention of Stanhope blast furnace at any time after 1868.

For earlier years see "Weardale Blast Furnace Statistics for 1850s", "Weardale Blast Furnace Statistics for 1860s" and "Weardale Blast Furnace Statistics for 1870s".

For later years see "Weardale Blast Furnace Statistics for 1890s".

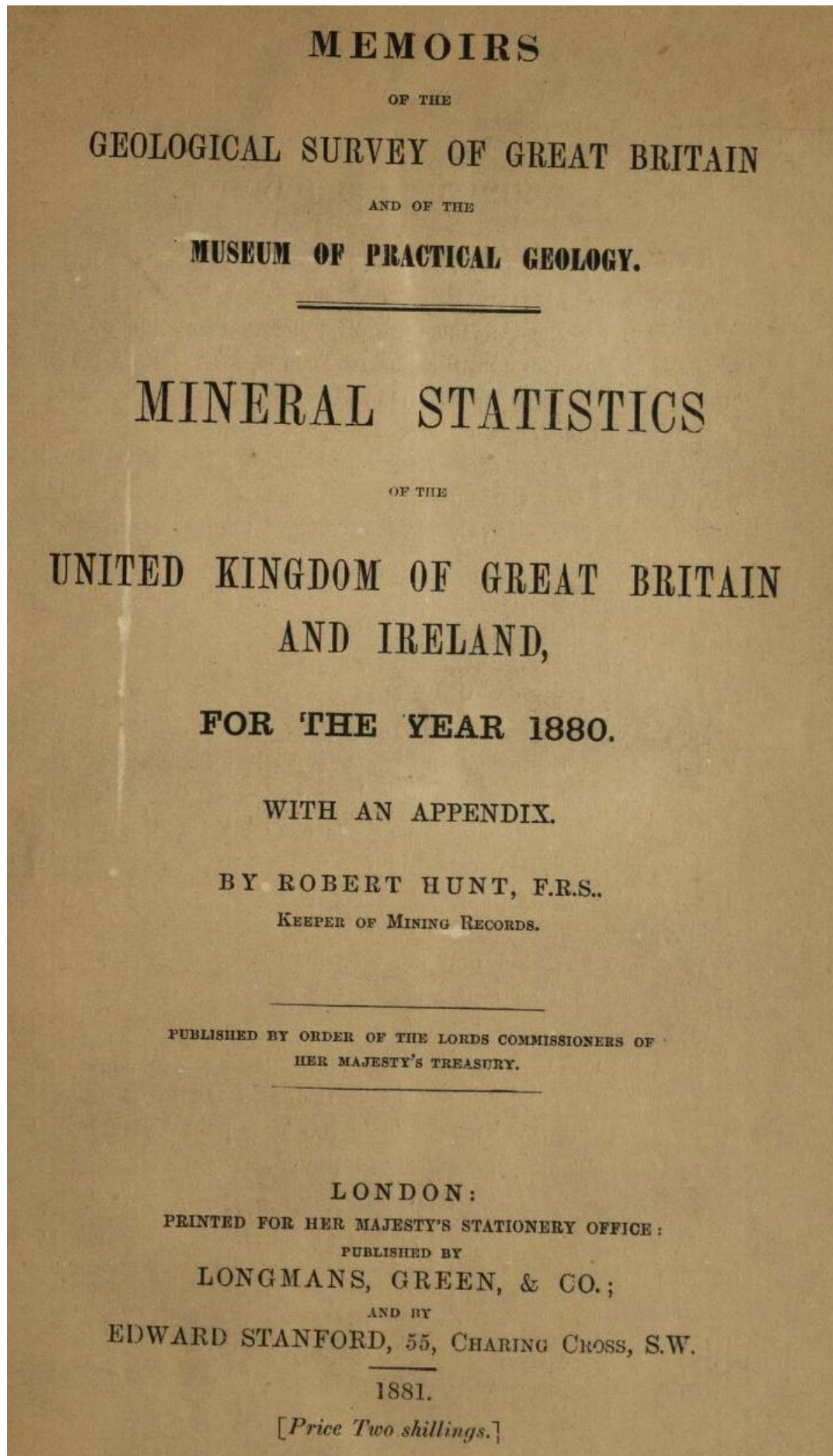
The statistics record number of blast furnaces, number in blast and some information about mills and forges, Bessemer converters and Open-hearth steel works. But from 1887 (pub 1888) the information about mills and forges, Bessemer converters and Open-hearth steel works was not included.

There is also some information about iron ore mines, openworks and distribution.

Most of these Mineral Statistics are from on-line copies on the British Geological Survey website, but some are from Google Books. The headings for the title pages identify the source used for each year.

The title of the publication changed a few times during the 1880s, and the statistics changed from being a publication of the British Geological Survey to being government reports to parliament. In 1882 responsibility for the Mining Records Office passed to the Mines Department of the Home Office and statistics were issued as Parliamentary Papers.

The Mineral Statistics include much information about coal production and some about lead mines and limestone quarries, but these extracts do not include the coal, lead and stone information.



Weardale Blast Furnace Statistics for 1880s
Weardale blast furnaces in 1880, pub 1881

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IRON MANUFACTURE RETURNS, 1880.

DETAILS of BLAST FURNACES in Blast, and of the MAKE of PIG IRON
in the Year 1880.

ENGLAND.

| No. | Name of Works. | Owners. | Furnaces built. | Furnaces in blast. | Pig Iron made. Tous. |
|---|--|--|---------------------------|-----------------------|--------------------------------|
| NORTHUMBERLAND : | | | | | |
| 1 | Elswick, <i>Newcastle-on-Tyne.</i> | Sir W. G. Armstrong & Co. | 2* | 2 | |
| 2 | Walker, <i>Newcastle-on-Tyne.</i> | Bell Brothers (<i>Limited</i>) - | 2 | 0 | |
| Total of NORTHUMBERLAND | | | 4 | 2 | |
| DURHAM : | | | | | |
| 1 | Carlton, <i>Stockton-on-Tees.</i> | The Carlton Iron Co. (<i>Lim.</i>) | 3 | 3† | |
| 2 | Port Clarence, <i>Middlesbro'-on-Tees.</i> | Bell Brothers (<i>Limited</i>) - | 12 | 12 | |
| 3 | Consett, <i>Durham</i> - | Consett Iron Co. (<i>Limited</i>) - | 7 | 6 | |
| 4 | Ferry Hill - | Rosedale and Ferry Hill Iron Company (<i>Limited</i>). | 10 | 0 | |
| 5 | Jarrow-on-Tyne - | Palmer's Shipbuilding and Iron Company (<i>Limited</i>). | 3 | 3 | |
| 6 | Middleton, <i>Darlington</i> | George Wythes and Co. - | 4 | 0 | |
| 7 | Norton, <i>Stockton-on-Tees.</i> | Norton Iron Co. (<i>Limited</i>) | 6 | 0 | |
| 8 | Vane and Seaham - | Watson, Kipling, & Co. (<i>Lim.</i>) | 2 | 0 | |
| 9 | South Durham, <i>Darlington.</i> | South Durham Iron Company (<i>Limited</i>). | 3 | 0 | |
| 10 | Towlaw, <i>Darlington</i> | Weardale Iron and Coal Company (<i>Limited</i>). | 4 | 0 | |
| 11 | Tudhoe, <i>Spennymoor</i> | Weardale Iron and Coal Co. (<i>Limited</i>). | 2 | 0 | |
| 12 | Wear, <i>Washington</i> - | Bell Brothers (<i>Limited</i>) - | 1 | 0 | |
| 13 | West Hartlepool - | West Hartlepool Iron Co. (<i>Limited</i>).‡ | 3 | 0 | |
| 14 | Witton Park, <i>Bishop Auckland.</i> | Bolekow, Vaughan, and Co. (<i>Limited</i>). | 6 | 3 | |
| 15 | Stockton, North Shore | Stockton Iron Furnace Co. - | 3 | 0 | |
| 16 | Tees Bridge, <i>Stockton</i> | Tees Bridge Iron Co. (<i>Lim.</i>) | 3 | 3 | |
| Total of DURHAM and NORTHUMBERLAND - } | | | 72 | 30 | 750,262 |
| Coal returned as used in the } Manufacture of Pig Iron - } | | | Tons. 1,420,766 | | |

* One furnace building.

† One furnace for nine months.

‡ Company in liquidation.

Weardale Blast Furnace Statistics for 1880s

Weardale Bessemer Converters in 1880, pub 1881

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IRON MANUFACTURE RETURNS, 1880.

LIST OF WORKS having BESSEMER CONVERTERS in GREAT BRITAIN in 1880.

| No. | Name and Situation of Works. | Number of Converters. | Capacity of Converters. | |
|-----|---|-----------------------|-------------------------|------|
| | | | Tons. | Cwt. |
| 1 | Henry Bessemer and Co., <i>Limited</i> , Sheffield | 2 | 3 | 0 |
| 2 | Bolckow, Vaughan, and Co., <i>Limited</i> | 2 | 5 | 0 |
| | | 4 | 8 | 0 |
| | | 2* | 15 | 0 |
| 3 | John Brown and Co., <i>Limited</i> , Sheffield | 4 | 7 | 10 |
| | | 2 | 10 | 0 |
| 4 | Sheffield Steel and Iron Works, Attercliffe, near Sheffield. Brown, Bayley, and Dixon, <i>Limited</i> | 2 | 4 | 0 |
| | | 4 | 8 | 0 |
| 5 | Charles Cammell & Co., <i>Limited</i> , Sheffield, <i>Cyclops</i> | 4 | 4 | 0 |
| 6 | „ „ <i>Yorkshire</i> | 2 | 5 | 0 |
| | | 2 | 7 | 0 |
| 7 | Weardale Iron Co., Tudhoe, Ferryhill | 2 | 2 | 10 |
| 8 | The Glasgow Bessemer Steel Co., <i>Limited</i> , Atlas Works, Glasgow | 2 | 3 | 0 |
| 9 | Samuel Fox and Co., Stockbridge Works, Sheffield | 2 | 5 | 0 |
| 10 | Lloyds, Foster, and Co., Old Park, Wednesbury | 4 | 3 | 0 |
| 11 | Bolton Iron and Steel Co., <i>Limited</i> , Bolton | 4 | 5 | 0 |
| 12 | London and North-western Railway, Crewe | 2 | 3 | 0 |
| 13 | Manchester, Sheffield, and Lincolnshire Railway Co., Gorton Works, near Manchester | 4 | 3 | 10 |
| 14 | Mersey Steel and Iron Works, Toxteth Park, Liverpool | 10 | 5 | 0 |
| 15 | Manchester Steel and Railway Plant Co., Gibraltar Works, Newton Heath, Manchester | 4 | 3 | 0 |
| 16 | Barrow Hæmatite Steel Co., Barrow | 8 | 7 | 0 |
| 17 | The Dowlais Iron Co., Dowlais | 2 | 5 | 0 |
| | | 2 | 6 | 0 |
| | | 2 | 7 | 10 |
| 18 | Ebbw Vale Co., Ebbw Vale | 4 | 8 | 0 |
| | | 2 | 10 | 0 |
| 19 | West Cumberland Iron and Steel Co., Workington | 2 | 8 | 0 |
| | | 2 | 6 | 0 |
| 20 | Phoenix Bessemer Steel Works, The Ickles, near Sheffield, Steel, Tozer, and Hampton, <i>Limited</i> | 2 | 8 | 0 |
| | | 2 | 4 | 0 |
| | | 2 | 2 | 0 |
| 21 | Carnforth Hæmatite Iron Co., <i>Limited</i> | 2 | 6 | 0 |
| 22 | Patent Shaft and Axletree Co., Wednesbury | 4 | 3 | 0 |
| 23 | Erimus Steel Works, Middlesborough, Charles Emile Muller | 2 | 6 | 0 |
| 24 | Darlington Iron Co., Darlington | 2 | — | |
| 25 | The Moss Bay Hæmatite Iron and Steel Co., Workington | 3 | 8 | 0 |
| 26 | Rhymney Iron Co., <i>Limited</i> , Rhymney | 3 | 7 | 0 |
| 27 | Blaenavon Iron and Steel Co., Blaenavon | 2 | 8 | 0 |
| 28 | The Standard Iron and Steel Co. | 2 | — | |

* Convertors for the manufacture of steel by the Thomas Gilchrist process.

LIST OF THE MILLS AND FORGES IN THE UNITED
KINGDOM

OF WHICH RETURNS HAVE BEEN OBTAINED.

ENGLAND.

| No. | Name of Works. | Name of Firm. | Nearest Port or Railway Station. | No. of Puddling Furnaces. | No. of Rolling Mills. |
|--------------------------------|---------------------------------------|--|----------------------------------|---------------------------|-----------------------|
| NORTHUMBERLAND AND DURHAM. | 1 Auckland* - - - | Thomas Vaughan & Co. - | Bishop Auckland | — | — |
| | 2 Whessoe* - - - | Do. - - - | Darlington | — | — |
| | 3 Hartlepool - - - | Hartlepool Rolling Mills Co. - | Hartlepool | 34 | 2 |
| | 4 Jarrow - - - | Palmer's Shipbuilding & Iron Co. (<i>Limited</i>). - | Newcastle | 72 | 7 |
| | 5 Albert Hill* - - - | Darlington Iron Co. (<i>Lim.</i>) - | Darlington | — | — |
| | 6 Springfield* - - - | Do. - - - | Do. | — | — |
| | 7 Birtley* - - - | Birtley Iron Co. - | Chester-le-Street | — | — |
| | 8 Consett - - - | Consett Iron Co. (<i>Limited</i>) - | Durham | 167 | 6 |
| | 9 Fence Houses* - - - | Hopper, Radcliffe, & Co. - | Fence Houses | — | — |
| | 10 Gateshead - - - | Hawks, Crawshay, & Sons - | Gateshead | 65 | 5 |
| | 11 Hive* - - - | John Elliott and Son - | East Jarrow | — | — |
| | 12 Monkwearmouth - - - | Samuel Tyzack and Co. - | Sunderland | 27 | 2 |
| | 13 Tudhoe - - - | Weardale Iron and Coal Co. (<i>Limited</i>). - | Spennymoor | — | — |
| | 14 Skerne - - - | Skerne Ironworks Co. (<i>Limited</i>). - | Darlington | 72 | 4 |
| | 15 West Hartlepool - - - | West Hartlepool Iron Co. (<i>Limited</i>). - | Hartlepool | — | — |
| | 16 Rise Carr - - - | Fry, Janson, and Co. - | Darlington | 32 | 3 |
| | 17 Stranton* - - - | Robert H. Charlton - | West Hartlepool | — | — |
| | 18 Stockton - - - | Stockton Malleable Iron Co. (<i>Limited</i>). - | Stockton | 78 | 10 |
| | 19 Park - - - | John Abbott & Co. (<i>Lim.</i>) - | Gateshead | 32 | 3 |
| | 20 Albion (<i>Felling Shore</i>)* - | Felling Coal, Iron, and Chemical Co. (<i>Lim.</i>) - | Do. | — | — |
| | 21 Thornaby - - - | W. Whitwell and Co. - | Stockton | 31 | 5 |
| | 22 Carr House* - - - | Dunlop, Meredith, and Co. (<i>Limited</i>). - | West Hartlepool | — | — |
| | 23 Walker - - - | Bell, Brothers - | Walker | — | — |
| | 24 Witton Park - - - | Bolckow, Vaughan, & Co. (<i>Limited</i>). - | Stockton | 104 | 6 |
| | 25 South Hylton* - - - | Raine Brothers - | South Hylton | — | — |
| | 26 Richmond - - - | R. Jaques and Co. - | Stockton | 24 | 3 |
| | 27 West Stockton* - - - | West Stockton Iron Co. (<i>Limited</i>). - | Do. | — | — |
| | 28 Stockton - - - | Richmond Iron Works Co. - | Do. | 22 | 3 |
| | Total of County - - - | - - - | - - - | 761 | 59 |
| YORKSHIRE. CLEVELAND DISTRICT. | 1 Ayrton Rolling Mills - - - | Jones Bros. & Co. (<i>Lim.</i>) - | Middlesbro' | 29 | 2 |
| | 2 Bowesfield - - - | Bowesfield Iron Co. (<i>Lim.</i>) - | Stockton-on-Tees | 33† | 3 |
| | 3 Britannia - - - | Dorman, Long and Co. - | Middlesbro' | 60 | 1 |
| | 4 Erimus - - - | Erimus Iron Co. (<i>Lim.</i>) - | Do. | — | — |
| | 5 Eston Grange - - - | Eston Grange Iron Co. - | Do. | — | — |
| | 6 North Yorkshire - - - | North Yorkshire Iron Co. (<i>Limited</i>). - | Stockton-on-Tees | — | — |
| | 7 Carlton* - - - | The Carlton Iron Co. (<i>Limited</i>). - | Do. | — | — |
| | 8 Cleveland - - - | Bolckow Vaughan and Co. - | Do. | — | 3 |
| | 9 Middlesbro' - - - | Do. - - - | Do. | — | 1 |
| | 10 Tees Side - - - | Hopkins, Gilkes, & Co. (<i>Limited</i>). 11 Danks's. - | Do. | 80 | 4 |
| | 11 Newport - - - | Fox, Head, and Co. - | Do. | 46 | 4 |
| | 12 Yorkshire - - - | South Yorkshire Iron Co. (<i>Limited</i>). - | Do. | — | — |
| | 13 Westbourne - - - | John Holdsworth & Co. - | Do. | 22 | 2 |
| | Carried forward - - - | - - - | - - - | 270 | 20 |

* Works standing.

† Seven double and 26 single.

RAILWAY DISTRIBUTION.

STATEMENT of IRON ORE conveyed over the NORTH-EASTERN
RAILWAY in the Year 1880.

| From | To | Weight to each District. | | Total Weight. | |
|---|-----------------------|-----------------------------|-------|---------------|-------|
| | | Tons. | cwts. | Tons. | cwts. |
| NORTHUMBERLAND, and DISTRICT OF NEWCASTLE and CARLISLE RAILWAY. | Darlington district - | 25,604 | 17 | 25,604 | 17 |
| | | | | | |
| NEWCASTLE DISTRICT - | Newcastle district - | 388 | 10 | | |
| | Stockton ,, - | 67 | 16 | 456 | 6 |
| | | | | | |
| DARLINGTON DISTRICT - | Darlington district - | 18,683 | 16 | 18,683 | 16 |
| | | | | | |
| STOCKTON DISTRICT - | Darlington district - | 47,286 | 2 | | |
| | Stockton ,, - | 2,326 | 3 | | |
| | Sundry places - | 208 | 5 | 49,820 | 10 |
| | | | | | |
| CLEVELAND DISTRICT (NORTH YORKSHIRE and CLEVELAND). | Whitby district - | 2,503 | 15 | | |
| | Stockton ,, - | 52,363 | 2 | | |
| | Newcastle ,, - | 3,328 | 13 | 58,195 | 10 |
| | | | | | |
| CLEVELAND DISTRICT (STOCKTON, DARLINGTON) | Whitby district - | 14,019 | 5 | | |
| | Darlington ,, - | 211,043 | 1 | | |
| | Stockton ,, - | 4,654,251 | 4 | | |
| | Newcastle ,, - | 123,582 | 2 | 5,002,895 | 12 |
| | | | | | |
| ULVERSTONE ORE - | Darlington district - | 42 | 1 | | |
| | Stockton ,, - | 22,645 | 15 | | |
| | Newcastle ,, - | 1,207 | 2 | | |
| | Various places - | 10 | 0 | 23,904 | 18 |
| | | | | | |
| WHITEHAVEN ORE - | Darlington district - | 58 | 16 | | |
| | Stockton ,, - | 7,863 | 16 | | |
| | Newcastle ,, - | 357 | 6 | 8,279 | 18 |
| | | | | | |
| | | Carried forward | | 5,187,841 | 7 |

Weardale Blast Furnace Statistics for 1880s

Durham iron ore record (p.72) in 1880, pub 1881

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IRON ORE RETURNS, 1880.

| From | To | Weight to each District. | | Total Weight. | |
|----------------|-----------------------|--------------------------|-------|---------------|-------|
| | | Tons. | cwts. | Tons. | cwts. |
| | Brought forward - | - | - | 5,187,841 | 7 |
| SOUTH | Whitby district - | 1,319 | 0 | 71,891 | 15 |
| | Darlington „ - | 12,526 | 11 | | |
| | Stockton „ - | 27,434 | 4 | | |
| | Newcastle „ - | 18,220 | 13 | | |
| | Sundry places - | 12,391 | 7 | | |
| IMPORTED ORE - | Darlington district - | 64,036 | 0 | 525,990 | 18 |
| | Stockton „ - | 283,544 | 13 | | |
| | Newcastle „ - | 163,182 | 13 | | |
| | Sundry places - | 15,227 | 12 | | |
| Total - | | | | 5,785,724 | 0 |

| No. | District or Mine. | Character of Ore. | Quantities. | | Value. | | |
|---------------------------------------|---|-------------------------------------|-------------|-------|--------|----|----|
| | | | Tons. | cwts. | £ | s. | d. |
| WEARDALE. | | | | | | | |
| DURHAM AND NORTHUM- BERLAND. | 1 Red Vein - | Spathose and Silicious Hæmatite. | 24,439 | 10 | 24,814 | 0 | 0 |
| | 2 Rowantree A. - | Ditto - | | | | | |
| | 3 Slitt Pasture (<i>Quarry</i>) - | Ditto - | | | | | |
| | 4 Queensbury (<i>ditto</i>) - | Ditto - | | | | | |
| | 5 Rowan Tree B. (<i>ditto</i>) - | Ditto - | | | | | |
| Total of WEARDALE - | | | 41,357 | 18 | 24,814 | 0 | 0 |
| NORTH WALES. | | | | | | | |
| NORTH WALES. | 1 Nant Uchaf - | Hæmatite - | 624 | 13 | 312 | 6 | 0 |
| | 2 Siambr Wen - | Ditto - | 28 | 10 | 14 | 5 | 0 |
| | 3 Bodfari - | Ditto - | 950 | 0 | 475 | 0 | 0 |
| Total of NORTH WALES - | | | 1,603 | 3 | 801 | 11 | 0 |
| SOUTH WALES. | | | | | | | |
| SOUTH WALES. | 1 Bute, <i>Llantrissant</i> - | Brown Hæmatite - | 190 | 10 | 114 | 0 | 0 |
| | 2 Garth - | Ditto - | 9,966 | 0 | 5,481 | 6 | 0 |
| | 3 Llwynsaer - | Ditto - | 12,315 | 0 | 6,773 | 5 | 0 |
| | 4 Mwyndy and Trecastle (<i>Llanharry</i>). - | Ditto - | 43,095 | 0 | 24,240 | 18 | 9 |
| Total of SOUTH WALES - | | | 65,566 | 10 | 36,609 | 9 | 9 |

Weardale Iron Mines at work in 1880, pub 1881

IRON MINES, 1880.

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| No. | Name of Mine. | Situation. | Name of Proprietor or Company. | Name of Manager or Agent. |
|-----|---------------|------------|--------------------------------|---------------------------|
|-----|---------------|------------|--------------------------------|---------------------------|

DURHAM AND NORTHUMBERLAND.*H.M. Inspector, THOMAS BELL, DURHAM.*

| | | | | |
|---|-------------------------|-----------------------|----------------------------|-----------------|
| 1 | Level Gate | Weardale | Weardale Iron and Coal Co. | J. R. Crone. |
| 2 | Rowan Tree, A. (Quarry) | Ditto | Ditto | Ditto. |
| 3 | Ditto. B. do. | Ditto | Ditto | Ditto. |
| 4 | Queensbury do. | Ditto | Ditto | Ditto. |
| 5 | Sitt Pasture do. | Ditto | Ditto | Ditto. |
| 6 | Dirt Pit | Ettersgill, Middleton | Iron Mining Co. | Thomas Greaves. |

WALES.**GLAMORGANSHIRE.***H.M. Inspector, T. E. WALES, SWANSEA.*

| | | | | |
|---|-----------------------|--------------|---------------------------------|-----------------|
| 1 | Bute Haematite | Llantrissant | Dowlais Iron Co. | John Powell. |
| 2 | Llwnsacr | Ditto | Mwyndy Iron Ore Co. (Limited). | William Vivian. |
| 3 | Mwyndy and Treccastle | Ditto | Ditto | David Evans. |
| 4 | Melyn Griffith | Cardiff | T. W. Booker and Co. (Limited). | E. D. Howell. |
| 5 | Garth | Ditto | | |

NORTH WALES.*H.M. Inspector, C. LE NEVE FOSTER, LLANDUDNO.*

| | | | | |
|---|--------------|-----------------|-----------------------------|------------------|
| 1 | Cwm Mountain | Flint | A. B. Anderson | George Harrison. |
| 2 | Henfryn | Newmarket, Rhyl | A. B. Anderson | George Harrison. |
| 3 | Bodfari | Bodfari | Ed. Wm. Gee and Thomas Gee. | Ed. W. Gee. |
| 4 | Foel Hiradog | Rhyl | | |

ISLE OF MAN.*H.M. Inspector, C. LE NEVE FOSTER, LLANDUDNO.*

| | | | | |
|---|-------------------|------------------|-----------------|----------|
| 1 | Maughold Dhyrnane | North-east coast | Rowe & Beckwith | R. Rowe. |
|---|-------------------|------------------|-----------------|----------|

IRELAND.*H.M. Inspector, JOSEPH DICKINSON, MANCHESTER.***ANTRIM.**

| | | | | |
|----|-------------|-------------|--|-----------------------------------|
| 1 | Ballylaggin | Coleraine | Benj. Townson | Thomas Simmons. |
| 2 | Cargan | Ballymena | Antrim Iron Ore Co., Limited. | Robert Brown, Secy. |
| 3 | Glenarm | Glenarm | Ditto | Ditto. |
| 4 | Rathkenny | Ballymena | Ditto | Ditto. |
| 5 | Glenariff | Clogheor | Glenariff Iron Ore and Harbour Co., Limited. | John Ham, Secy. Philip Argall. |
| 6 | Clogheor | Ballymena | Ditto | Ditto. |
| 7 | Ballycastle | Bally-money | Godden and McDonald | John James. |
| 8 | Aughaluw | Carnlough | Fran. Ritchie and Son | Robt. McCalmont. |
| 9 | Ballymartin | | Ditto | Ditto. |
| 10 | Ballyhaley | | Ditto | Ditto. |

Q 7227.

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NOTICE.

In presenting a new volume of the Mineral Statistics of the United Kingdom, it is gratifying to be able to point to the continued increase in the production of coal. The amount raised in 1881 was 7,365,678 tons in excess of the quantity reported for the previous year. There is likewise in the amount distributed by railroads and canals an increase to the extent of 5,054,689 tons, an indication of the greater activity of our manufacturing industries. In the production of pig iron alone it will be seen that 502,361 tons of coal were used above the quantity consumed for the same purpose in 1880. The export trade also shows an augmentation, 867,092 tons more than in the previous year having been shipped to foreign countries.

The same ready assistance which Mr. Hunt has all along experienced at the hands of the owners of collieries and metal mines since he began the "Mineral Statistics" in 1848 has again been accorded to him for the preparation of his returns, and deserves hearty acknowledgment.

ARCH. GEIKIE,
Director-General.

Museum of Practical Geology,
12 July 1882.

Weardale Blast Furnace Statistics for 1880s
Weardale blast furnaces in 1881, pub 1882

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IRON MANUFACTURE RETURNS, 1881.

DETAILS of BLAST FURNACES in Blast, and of the MAKE of PIG IRON
in the Year 1881.

ENGLAND.

| No. | Name of Works. | Owners. | Furnaces built. | Furnaces in blast. | Pig Iron made. Tous. |
|--|--|--|--------------------|-----------------------|--------------------------------|
| NORTHUMBERLAND : | | | | | |
| 1 | Elswick, <i>Newcastle-on-Tyne</i> .* | Sir W. G. Armstrong & Co. | 2 | 2 | |
| 2 | Walker, <i>Newcastle-on-Tyne</i> . | Bell Brothers (<i>Limited</i>) - | 2 | 0 | |
| 3 | Wallsend - - | Royal Greek Iron Work Co. | 2 | 0 | |
| Total of NORTHUMBERLAND | | | 6 | 2 | |
| DURHAM : | | | | | |
| 1 | Carlton, <i>Stockton-on-Tees</i> . | The Carlton Iron Co. (<i>Lim.</i>) | 3 | 3 | |
| 2 | Port Clarence, <i>Mid-dlesbro'-on-Tees</i> . | Bell Brothers (<i>Limited</i>) - | 12 | 12† | |
| 3 | Consett, <i>Durham</i> - | Consett Iron Co. (<i>Limited</i>) - | 7 | 6½ | |
| 4 | Ferry Hill - - | Rosedale and Ferry Hill Iron Company (<i>Limited</i>). | 10 | 0 | |
| 5 | Jarrow-on-Tyne - | Palmer's Shipbuilding and Iron Company (<i>Limited</i>). | 3 | 3 | |
| 6 | Middleton, <i>Darlington</i> | George Wythes and Co. - | 4 | 2 | |
| 7 | Norton, <i>Stockton-on-Tees</i> . | Norton Iron Co. (<i>Limited</i>) | 6 | 0 | |
| 8 | Vane and Seaham - | Watson, Kipling, & Co. (<i>Lim.</i>) | 2 | 0 | |
| 9 | South Durham, <i>Darlington</i> . | South Durham Iron Company (<i>Limited</i>). | 3 | 0 | |
| 10 | Towlaw, <i>Darlington</i> | Weardale Iron and Coal Company (<i>Limited</i>). | 4 | 0 | |
| 11 | Tudhoe, <i>Spennymoor</i> | Weardale Iron and Coal Co. (<i>Limited</i>). | 2 | 2 | |
| 12 | Wear, <i>Washington</i> - | Bell Brothers (<i>Limited</i>) - | 1 | 0 | |
| 13 | West Hartlepool - | West Hartlepool Iron Co. (<i>Limited</i>). | 3 | 0 | |
| 14 | Witton Park, <i>Bishop Auckland</i> . | Bolckow, Vaughan, and Co. (<i>Limited</i>). | 6 | 2 | |
| 15 | Stockton, North Shore | Stockton Iron Furnace Co. - | 3 | 0 | |
| 16 | Tees Bridge, <i>Stockton</i> | Tees Bridge Iron Co. (<i>Lim.</i>) | 3 | 3 | |
| Total of DURHAM and } NORTHUMBERLAND - } | | | 72 | 33½ | 841,834 |
| Tons. Coal returned as used in the } Manufacture of Pig Iron - } | | | 1,705,895 | | |

* One furnace in course of erection.

† One furnace for nine months.

LIST OF WORKS having BESSEMER CONVERTERS in GREAT
BRITAIN in 1881.

| No. | Name and Situation of Works. | Number of Converters. | Capacity of Converters. | |
|-----|---|-----------------------|-------------------------|------|
| | | | Tons. | Cwt. |
| 1 | Henry Bessemer and Co., <i>Limited</i> , Sheffield | 2 | 3 | 0 |
| | | 2 | 5 | 0 |
| 2 | Bolckow, Vaughan, and Co., <i>Limited</i> | 4 | 8 | 0 |
| | | 4 | 15 | 0 |
| 3 | John Brown and Co., <i>Limited</i> , Sheffield | 2 | 10 | 0 |
| | | 2 | 9 | 0 |
| 4 | Sheffield Steel and Iron Works, Attercliffe, near Sheffield. Brown, Bayley, and Dixon, <i>Limited</i> | 2 | 4 | 0 |
| | | 4 | 8 | 0 |
| | | 2 | 7 | 0 |
| 5 | Charles Cammell & Co., <i>Limited</i> , Sheffield, <i>Cyclops</i> | 2 | 4 | 10 |
| | | 2 | 15 | 0 |
| | " " Penniston, <i>Yorkshire</i> | 2 | 8 | 0 |
| 6 | Wilson, Cammell and Co., Dronfield | 4 | — | — |
| 7 | Weardale Iron Co., Tudhoe, Ferryhill | 4 | 2 | 10 |
| 8 | The Glasgow Bessemer Steel Co., <i>Limited</i> , Atlas Works, Glasgow | 2 | 3 | 0 |
| 9 | Samuel Fox and Co., Stockbridge Works, Sheffield | 2 | 5 | 0 |
| 10 | Bolton Iron and Steel Co., <i>Limited</i> , Bolton | 4 | 5 | 0 |
| 11 | London and North-western Railway, Crewe | 4 | 3 | 0 |
| 12 | Manchester, Sheffield, and Lincolnshire Railway Co., Gorton Works, near Manchester | 4 | 3 | 0 |
| 13 | Mersey Steel and Iron Works, Toxteth Park, Liverpool | 8 | 6 | 0 |
| 14 | Manchester Steel and Railway Plant Co., Gibraltar Works, Newton Heath, Manchester | 4 | 3 | 0 |
| 15 | Barrow Hæmatite Steel Co., Barrow | 8 | 8 | 0 |
| 16 | The Dowlais Iron Co., Dowlais | 4 | 8 | 0 |
| | | 2 | 6 | 0 |
| 17 | Ebbw Vale Co., Ebbw Vale | 4 | 8 | 0 |
| | | 2 | 10 | 0 |
| 18 | West Cumberland Iron and Steel Co., Workington | 4 | 7 | 0 |
| 19 | Phœnix Bessemer Steel Works, The Ickles, near Sheffield, Steel, Tozer, and Hampton, <i>Limited</i> | 4 | 10 | 0 |
| | | 2 | 2 | 0 |
| 20 | Carnforth Hæmatite Iron Co., <i>Limited</i> | 2 | 6 | 0 |
| 21 | Patent Shaft and Axletree Co., Wednesbury | 4 | 3 | 0 |
| 22 | Erimus Steel Works, Middlesborough, Charles Emile Muller | 2 | 6 | 0 |
| 23 | Darlington Iron Co., Darlington | 2 | 6 | 0 |
| 24 | North-Eastern Steel Co., <i>Limited</i> , North-Eastern | 4* | — | — |
| 25 | The Moss Bay Hæmatite Iron and Steel Co., Workington | 3 | 8 | 0 |
| 26 | Rhymney Iron Co., <i>Limited</i> , Rhymney | 5 | 7 | 0 |
| 27 | Crawshay Brothers, Cyfarthfa | 2* | — | — |
| 28 | Tredegar Iron and Coal Co., Tredegar | 2* | 8 | 0 |
| 29 | Blaenavon Iron and Steel Co., Blaenavon | 2 | 8 | 0 |
| 30 | The Standard Iron and Steel Co., Gorton | 2 | — | — |

* In course of erection.

RAILWAY DISTRIBUTION.

STATEMENT of IRON ORE conveyed over the NORTH-EASTERN RAILWAY during the Year 1881.

| From | To | Weight to each District. | | Total Weight. | |
|---|-------------------------------------|--------------------------|-------|---------------|-------|
| | | Tons. | cwts. | Tons. | cwts. |
| NORTHUMBERLAND, and DISTRICT of NEWCASTLE and CARLISLE RAILWAY. | Darlington district - | 48,360 | 5 | 48,360 | 5 |
| | | | | | |
| NEWCASTLE DISTRICT - | Stockton district - | 36 | 1 | 704 | 10 |
| | Newcastle ,, - | 668 | 9 | | |
| DARLINGTON DISTRICT - | Darlington district - | 20,978 | 18 | 21,228 | 11 |
| | Stockton ,, - | 249 | 13 | | |
| STOCKTON DISTRICT - | Darlington district - | 11,436 | 3 | 12,517 | 4 |
| | Stockton ,, - | 1,081 | 1 | | |
| CLEVELAND (NORTH YORKSHIRE and CLEVELAND DISTRICT). | Whitby district - | 10,757 | 19 | 83,802 | 6 |
| | Stockton ,, - | 71,157 | 17 | | |
| | Newcastle ,, - | 1,886 | 10 | | |
| CLEVELAND DISTRICT (STOCKTON, DARLINGTON) | Stockton district - | 4,765,568 | 19 | 5,140,367 | 8 |
| | Whitby ,, - | 6,867 | 11 | | |
| | Newcastle ,, - | 123,423 | 4 | | |
| | Darlington ,, - | 244,507 | 14 | | |
| ULVERSTONE ORE - | Darlington district - | 1,339 | 2 | 22,677 | 15 |
| | Stockton ,, - | 20,633 | 6 | | |
| | Newcastle ,, - | 680 | 7 | | |
| | Sundry places - | 25 | 0 | | |
| WHITEHAVEN ORE - | Newcastle and Carlisle district. | 531 | 11 | 11,842 | 10 |
| | Darlington district - | 318 | 2 | | |
| | Stockton ,, - | 10,987 | 14 | | |
| | Newcastle ,, - | 5 | 3 | | |
| | Carried forward | | | 5,341,500 | 9 |

Weardale Blast Furnace Statistics for 1880s

Durham iron ore record (p.63) in 1881, pub 1882

IRON ORE RETURNS, 1881.

63

| From | To | Weight to each District. | | Total Weight. | |
|----------------|-----------------------|--------------------------|-------|---------------|-------|
| | | Tons. | cwts. | Tons. | cwts. |
| | Brought forward - | - | - | 5,341,500 | 9 |
| SOUTH | Whitby district - | 1,684 | 5 | | |
| | Darlington ,, - | 22,760 | 8 | | |
| | Newcastle ,, - | 11,798 | 1 | | |
| | Sundry places - | 12,227 | 18 | | |
| | Stockton district - | 49,800 | 11 | 98,271 | 3 |
| IMPORTED ORE - | Darlington district - | 77,599 | 9 | | |
| | Stockton ,, - | 253,923 | 19 | | |
| | Newcastle ,, - | 165,279 | 16 | | |
| | Sundry places - | 2,408 | 4 | 499,211 | 8 |
| | Total - | | | 5,938,983 | 0 |

| No. | District or Mine. | Character of Ore. | Quantities. | | Value. | | |
|--------------|--------------------------|----------------------------------|-------------|-------|--------|----|----|
| | | | Tons. | cwts. | £ | s. | d. |
| WEARDALE. | | | | | | | |
| 1 | Red Vein - | Spathose and Siliceous Hæmatite. | 70,771 | 0 | 42,462 | 12 | 0 |
| 2 | Rowantree A. - | Ditto - | | | | | |
| 3 | Slitt Pasture (Quarry) - | Ditto - | | | | | |
| 4 | Queensbury (ditto) - | Ditto - | | | | | |
| 5 | Rowan Tree B. (ditto) - | Ditto - | | | | | |
| | Total of WEARDALE - | | 70,771 | 0 | 42,462 | 12 | 0 |
| NORTH WALES. | | | | | | | |
| 1 | Nant Uchaf - | Hæmatite - | 358 | 18 | 179 | 9 | 0 |
| 2 | Siambr Wen - | Ditto - | | | | | |
| 3 | Bodfari - | Ditto - | 1,700 | 0 | 850 | 0 | 0 |
| ANGLESEA. | | | | | | | |
| 4 | Mona - | Ditto - | 95 | 18 | 47 | 19 | 0 |
| | Total of NORTH WALES - | | 2,154 | 16 | 1,077 | 8 | 0 |
| SOUTH WALES. | | | | | | | |
| 1 | Garth, Cardiff - | Brown Hæmatite - | 11,738 | 0 | 6,435 | 0 | 0 |
| 2 | Llynsaer - | Ditto - | 14,416 | 0 | 7,258 | 0 | 0 |
| 3 | Mwyndy - | Ditto - | 34,623 | 0 | 19,042 | 0 | 0 |
| 4 | Trecastle - | Ditto - | 20,595 | 0 | 11,327 | 0 | 0 |
| | Total of SOUTH WALES - | | 81,372 | 0 | 44,062 | 0 | 0 |

Weardale Iron Mines at work in 1881, pub 1882

IRON MINES, 1881.

191

| No. | Name of Mine. | Situation. | Name of Proprietor or Company. | Name of Manager or Agent. |
|-----|---------------|------------|--------------------------------|---------------------------|
|-----|---------------|------------|--------------------------------|---------------------------|

WESTMORELAND.

H.M. Inspector, THOMAS BELL, DURHAM.

| | | | | |
|---|----------|---------------|--------------------------------------|-----|
| 1 | Longrigg | - Hartley - - | Eden Valley Lead and Iron Mining Co. | --- |
|---|----------|---------------|--------------------------------------|-----|

DURHAM AND NORTHUMBERLAND.

H.M. Inspector, THOMAS BELL, DURHAM.

| | | | | |
|---|-------------------|-------------------------|----------------------------|-----------------|
| 1 | Level Gate | - - Weardale - - | Weardale Iron and Coal Co. | J. R. Crone |
| 2 | Red Vein | - - Ditto - - | Ditto - - | Ditto. |
| 3 | Rowan Tree, A. | - - Ditto - - | Ditto - - | Ditto. |
| | (Quarry) | | | |
| 4 | Ditto. B. do. | - - Ditto - - | Ditto - - | Ditto. |
| 5 | Queensbury do. | - - Ditto - - | Ditto - - | Ditto. |
| 6 | Slitt Pasture do. | - - Ditto - - | Ditto - - | Ditto. |
| 7 | Dirt Pit | - Eppersgill, Middleton | Iron Mining Co. - | Thomas Greaves. |

WALES.

GLAMORGANSHIRE.

H.M. Inspector, T. E. WALES, SWANSEA.

| | | | | |
|---|----------------|--------------------|---------------------------------|-----------------|
| 1 | Bute Haematite | - Llantrissant - - | Dowlais Iron Co. - | John Powell. |
| 2 | Llynsaer | - - Ditto - - | Mwyndy Iron Ore Co. (Limited). | Stephen Vivian. |
| 3 | Mwyndy | - - Ditto - - | Ditto - - | Stephen Vivian. |
| 4 | Trecastle | - - Llanharry - - | Ditto - - | Ditto. |
| 5 | Melyn Griffith | - - Cardiff - - | T. W. Booker and Co. (Limited). | E. D. Howell. |
| 6 | Garth | - - Ditto - - | | |

NORTH WALES.

H.M. Inspector, C. LE NEVE FOSTER, LLANDUDNO.

| | | | | |
|---|--------------|-----------------------|-----------------------------|------------------|
| 1 | Cwm Mountain | - Flint - - | A. B. Anderson - | George Harrison. |
| 2 | Henfryn | - - Newmarket, Rhyl - | A. B. Anderson - | George Harrison. |
| 3 | Bodfari | - - Bodfari - - | Ed. Wm. Gee and Thomas Gee. | Ed. W. Gee. |
| 4 | Foel Hiradog | - - Rhyl. | John Clay - - | M. A. Gage. |
| 5 | Nant Uchaf | - - Abergelc - - | W. Wright - - | W. Wright. |

ISLE OF MAN.

H.M. Inspector, C. LE NEVE FOSTER, LLANDUDNO.

| | | | | |
|---|-------------------|----------------------|----------------------------------|-----------|
| 1 | Maughold Dhyrnane | - North-east coast - | Rowe & Beckwith - | R. Rowe. |
| 2 | Foxdale | - - Foxdale - - | Isle of Man Mining Co., Limited. | W. Kitto. |

IRELAND.

H.M. Inspector, JOSEPH DICKINSON, MANCHESTER.

ANTRIM.

| | | | | |
|---|-------------|-------------------|-------------------------------|----------------------|
| 1 | Ballylaggin | - - Coleraine - - | Benj. Townson - | Thomas Simmons. |
| 2 | Cargan | - - Ballymena - - | Antrim Iron Ore Co., Limited. | Robert Browne, Secy. |
| 3 | Glenarm | - - Glenarm - - | Ditto - - | Ditto. |
| 4 | Rathkenny | - - Ballymena - - | Ditto - - | Ditto. |
| 5 | Broughshane | - - Ditto. - - | Ditto - - | Ditto. |
| 6 | Cloneytrace | - - Ditto. - - | Ditto - - | Ditto. |

MINERAL STATISTICS

OF THE

UNITED KINGDOM OF GREAT BRITAIN
AND IRELAND

For the Year 1882.

PREPARED BY HER MAJESTY'S INSPECTORS OF MINES.

LONDON:

PRINTED BY EYRE AND SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.

FOR HER MAJESTY'S STATIONERY OFFICE.

1883.

Price One Shilling and Eightpence.

Weardale Blast Furnace Statistics for 1880s
Weardale blast furnaces in 1882, pub 1883

IRON—PIG IRON.]

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[YEAR 1882

Blast Furnaces—continued.

| Name and Situation of Furnaces. | Owner. | Blast Furnaces. | |
|---|---|-----------------|-----------|
| | | Number. | In Blast. |
| DENBIGHSHIRE: | | | |
| Brymbo, <i>Brymbo</i> | Brymbo Iron Co. | 3 | 1 |
| Firwd, <i>Wreaham</i> | James Sparrow & Son | 2 | 1* |
| Rnabon, <i>Rnabon</i> | New British Iron Co. | 2 | 1 |
| Totals | | 7 | 3 |
| Total make of pig iron, including that of Flintshire, 53,138 tons. Total of coal used (including coal converted into coke), 154,888 tons. | | | |
| DERBYSHIRE: | | | |
| Alfreton, <i>Alfreton</i> | James Oakes & Co. | 3 | 3 |
| Butterley, <i>Alfreton</i> | The Butterley Co. | 5 | 3 |
| Codnor Park, <i>Alfreton</i> | | | |
| Clay Cross, <i>Clay Cross</i> | The Clay Cross Co. | 3 | 3† |
| Denby, <i>Derby</i> | George Dawes | 4 | 3 |
| Erewash Valley, <i>Ilkeston</i> | Erewash Valley Iron Co. | 4 | 2 |
| Morley Park, <i>Belper</i> | Henry Cathrow Disney | 2 | — |
| Newbold, <i>Chesterfield</i> | Newbold Iron and Coal Co. | 1 | — |
| Renishaw, <i>Eckington</i> | F. R. Appleby & Co. | 3 | 3 |
| Sheepbridge, <i>Chesterfield</i> | Sheepbridge Iron and Coal Co., Limited | 7 | 5 |
| Stanton, <i>Nottingham</i> | Stanton Iron Works Co., Limited | 8 | 7 |
| Staveley, <i>Chesterfield</i> | Staveley Coal and Iron Co., Limited | 8 | 7 |
| West Hallam, <i>Ilkeston</i> | West Hallam Coal and Iron Co. | 2 | 1‡ |
| Wingerworth, <i>Chesterfield</i> | Wingerworth Iron Co., Limited | 3 | 3 |
| Totals | | 53 | 40 |
| Total make of pig iron, 372,650 tons. Total coal used (including coal converted into coke), 930,360 tons. | | | |
| DURHAM: | | | |
| Carlton, <i>Stockton-on-Tees</i> | Carlton Iron Co., Limited | 3 | 3 |
| Consett, <i>Durham</i> | Consett Iron Co., Limited | 7 | 6 |
| Ferry Hill, <i>Ferry Hill</i> | Rosedale and Ferry Hill Iron Co., Limited | 8 | — |
| Jarrow-on-Tyne, <i>Jarrow</i> | Palmer's Shipbuilding and Iron Co., Limited | 3 | 3 |
| Middleton, <i>Darlington</i> | Executors of the late George Wythes | 4 | 2 |
| Norton, <i>Stockton-on-Tees</i> | Norton Iron Co., Limited | 6 | — |
| Port Clarence, <i>Middlesborough-on-Tees</i> | Bell Brothers, Limited | 12 | 11 |
| South Durham, <i>Darlington</i> | South Durham Iron Co., Limited | 3 | — |
| Stockton, <i>North Shore</i> | Stockton Iron Furnace Co. | 3 | — |
| Tees Bridge, <i>Stockton-on-Tees</i> | Tees Bridge Iron Co., Limited | 3 | 3 |
| Towlaw, <i>Darlington</i> | Weardale Iron and Coal Co., Limited | 4 | 1 |
| Tudhoe, <i>Spennymoor</i> | Ditto ditto | 2 | 2 |
| Vane and Seaham, <i>Seaham</i> | Watson, Kipling, & Co., Limited | 2 | — |
| Wear, <i>Washington</i> | Bell Brothers, Limited | 1 | — |
| West Hartlepool | Manners Gray and Arthur Gladstone | 3 | — |
| Witton Park, <i>Bishop Auckland</i> | Bolekow, Vaughan, & Co., Limited | 6 | 3 |
| Totals | | 70 | 34 |
| Total make of pig iron, 815,671 tons. Total coal used (including coal converted in coke), 1,634,584 tons. | | | |
| FLINTSHIRE: | | | |
| Mostyn, <i>Mostyn</i> | Mostyn Coal and Iron Co., Limited | 3 | 3¶ |
| GLAMORGANSHIRE—Anthracite Furnaces: | | | |
| Ystalyfera, <i>Swansea</i> | Ystalyfera Iron Co. | 11 | 2 |

* For 11 months. † One furnace for 10 months.
‡ One furnace for 4½ months. § One furnace for 8 months.
¶ Company in liquidation, Frederick McKay, Esq., liquidator.
¶ Production of Flintshire included in Denbighshire.

Iron—Steel Manufacture.

BESSEMER STEEL WORKS in GREAT BRITAIN, 1882.

| Name and Situation of Works. | Owner. | Converters. | |
|--|---|-------------|-----------|
| | | Number. | Capacity. |
| Tons. cwts. | | | |
| CUMBERLAND: | | | |
| Moss Bay, Workington - - - - | Moss Bay Haematite Iron and Steel Co. - | 3 | 8 0 |
| West Cumberland, Workington - - | West Cumberland Iron and Steel Co. - | 4 | 7 0 |
| Total - - - - | - - - - | 7 | - - |
| DURHAM: | | | |
| Darlington - - - - | Darlington Iron Co., Limited - - | 2 | 6 0 |
| Tudhoe, Spennymoor - - - - | Weardale Iron Co., Limited - - | 4 | 2 10 |
| Total - - - - | - - - - | 6 | - - |
| CHESHIRE: | | | |
| Crewe - - - - | London and North Western Railway Co. | 4 | 3 0 |
| DERBYSHIRE: | | | |
| Dronfield (Works now removed to Workington, Cumberland). | Wilson, Cammell, & Co. - - - - | 4 | - - |
| LANCASHIRE: | | | |
| Barrow - - - - | Barrow Haematite Steel Co., Limited - | 8 | 8 0 |
| Bolton - - - - | Bolton Iron and Steel Co., Limited - | 4 | 5 0 |
| Carnforth - - - - | Carnforth Haematite Iron Co., Limited - | 2 | 6 0 |
| Gibraltar, Newton Heath - - - - | Manchester Steel and Railway Plant Co. | 4 | 3 0 |
| Gorton, Manchester - - - - | Manchester, Sheffield, and Lincolnshire Railway Co. | 4 | 3 10 |
| Gorton ditto - - - - | Standard Iron and Steel Co. - - - - | 2 | - - |
| Mersey, Liverpool - - - - | Mersey Steel and Iron Works - - - - | 8 | 6 0 |
| Total - - - - | - - - - | 32 | - - |
| STAFFORDSHIRE, SOUTH: | | | |
| Monway, Wednesbury - - - - | Patent Shaft and Axletree Co., Limited - | 4 | 3 0 |
| WALES, SOUTH: | | | |
| Cyfarthfa - - - - | Crawshay Brothers - - - - | 2* | - - |
| Blaenavon - - - - | Blaenavon Iron and Steel Co. - - - - | 2 | 8 0 |
| Dowlais - - - - | Dowlais Iron Co. - - - - | 4 | 8 0 |
| Ebbw Vale - - - - | Ebbw Vale Steel, Iron, and Coal Co., Limited. | 2 | 6 0 |
| Rhymney - - - - | Rhymney Iron Co., Limited - - - - | 4 | 8 0 |
| Tredegar - - - - | Tredegar Iron and Coal Co., Limited - | 2 | 7 0 |
| Total - - - - | - - - - | 23 | 8 0 |
| YORKSHIRE, NORTH RIDING (Cleveland): | | | |
| Cleveland, North - - - - | Bolckow, Vaughan, & Co., Limited - | 4 | 8 0 |
| Erimus, Middlesbrough - - - - | Charles Emille Muller - - - - | 2 | 6 0 |
| North Eastern, ditto - - - - | North Eastern Steel Co., Limited - | 4 | 10 0 |
| Total - - - - | - - - - | 10 | - - |

* Building.

Weardale Blast Furnace Statistics for 1880s
Weardale Mills and Forges in 1882, pub 1883

YEAR 1882.]

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[IRON—MILLS AND FORGES.]

Iron—Mills and Forges.

IRON MILLS and FORGES at WORK in GREAT BRITAIN in 1882.

| Name of Works. | Owner. | Nearest Port or Railway Station. | Puddling Furnaces. | Rolling Mills. |
|---------------------------|--|----------------------------------|--------------------|----------------|
| BRECKNOCKSHIRE : | | | | |
| Coedcae* - - | Welsh Iron Works Co. - - | Aberdare - - | No. — | No. — |
| CUMBERLAND : | | | | |
| Derwent Rolling Mills† - | Kirk Brothers & Co. - - | Workington - - | 30 | 4 |
| Ellen Rolling Mills* - | Ditto - - | Maryport - - | — | — |
| Marsh Side - - | Ditto - - | Workington - - | — | — |
| New Yard - - | Ditto - - | Ditto - - | — | — |
| West Cumberland - - | West Cumberland Iron and Steel Co., Limited. | Ditto - - | — | — |
| Totals - - | - - - - | - - - - | 30 | 4 |
| DENBIGHSHIRE : | | | | |
| Broughton Hall* - - | Broughton Hall Iron Co. - - | Wrexham - - | — | — |
| Gwerslet Forge* - - | Colonel Wheatley - - | Ruabon - - | — | — |
| Pontysyllte* - - | Jones, Hyde, and Mackay - - | Ruabon - - | — | — |
| Ruabon - - | New British Iron Co. - - | Ruabon - - | 15 | 3 |
| Stansty* - - | George Hartshorne - - | Wrexham - - | — | — |
| Totals - - | - - - - | - - - - | 15 | 3 |
| DERBYSHIRE : | | | | |
| Butterley - - | The Butterley Co. - - | Alfreton - - | 42 | 7 |
| Railway - - | Eastwood, Swinger, & Co. - - | Derby - - | 35 | 2 |
| Sheepbridge - - | Sheepbridge Coal and Iron Co., Limited. | Chesterfield - - | 19† | 2 |
| Victoria‡ - - | Eastwood, Swinger, & Co. - - | Derby - - | — | — |
| Whittington - - | Thomas Firth and Sons, Limited - - | Chesterfield - - | 17 | 3 |
| - - - - | - - - - | - - - - | 113 | 14 |
| DURHAM : | | | | |
| Albert Hill - - | Darlington Iron Co., Limited - - | Darlington - - | - - | 4 |
| Albion* (Felling Shore) - | Felling Coal Iron and Chemical Co., Limited. | Gateshead - - | — | — |
| Auckland - - | Bishop Auckland Iron and Steel Co., Limited. | Bishop Auckland | 28 | 1 |
| Birtley - - | Birtley Iron Co. - - | Chester-le-Street | — | — |
| Carr House - - | Carr House Iron Co. - - | West Hartlepool - | 22 | 3 |
| Consett - - | Consett Iron Co., Limited - - | Durham - - | 178 | 7 |
| Gateshead - - | Hawks, Crawshaw, and Sons - - | Gateshead - - | 65 | 5 |
| Hartlepool - - | Hartlepool Rolling Mills Co., Limited - | Hartlepool - - | 34 | 2 |
| Hive* - - | John Elliot and Sons - - | East Jarrow - - | — | — |
| Jarrow - - | Palmer's Shipbuilding and Iron Co., Limited. | Jarrow-on-Tyne - | 85 | 6 |
| Monkwearmouth - - | Samuel Tyzack & Co. - - | Sunderland - - | 33 | 3 |
| Park - - | John Abbott & Co., Limited - - | Gateshead - - | 31 | 3 |
| Richmond - - | R. Jaques & Co. - - | Stockton-on-Tees | 24 | 3 |
| Rise Carr - - | Fry, Janson, & Co. - - | Darlington - - | 32 | 5 |
| Skerne - - | Skerne Iron Works Co., Limited - - | Ditto - - | 70 | 5 |
| South Hylton* - - | Raine Brothers - - | South Hylton - - | — | — |
| Springfield* - - | Darlington Iron Co., Limited - - | Darlington - - | — | — |
| Stockton - - | Stockton Malleable Iron Co., Limited - | Stockton-on-Tees | 109 | 10 |
| Stockton - - | Richmond Ironworks Co. - - | Ditto - - | 22 | 3 |
| Stranton* - - | Robert H. Charlton - - | West Hartlepool - | — | — |
| Tudhoe - - | Weardale Iron and Coal Co., Limited - | Spennymoor - - | 40 | 6 |
| West Stockton - - | Owners of West Stockton Ironworks - | Stockton-on-Tees | 57 | 6 |
| West Hartlepool - - | M. Gray and A. Gladstone - - | West Hartlepool - | 93 | 3 |
| Whessoe* - - | Unoccupied - - | Darlington - - | — | — |
| Witton Park - - | Bolckow, Vaughan, & Co., Limited - - | Stockton-on-Tees | 87 | 3 |
| Totals - - | - - - - | - - - - | 1,010 | 78 |

* Works standing. † Including mills and forges at Marsh Side and New Yard Works.
 ‡ Four single and seven double. § Included in Railway Works.
 || Two 16-inch and one 20-inch.

Weardale Blast Furnace Statistics for 1880s

Durham iron ore record (p.47) in 1882, pub 1883

YEAR 1882.]

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[IRON ORE.]

The WHITEHAVEN, CLEATOR, and EGREMONT RAILWAY conveyed:—

| | Destination. | Quantity. |
|--|--|-----------|
| | | Tons. |
| | To Barrow and Millom District - - - | 48,644 |
| | „ Carnforth, South of - - - | 14,880 |
| | „ Cleator Moor - - - | 87,766 |
| | „ Distington - - - | 19,327 |
| | „ East Coast, via Carlisle - - - | 205 |
| | „ East Coast, via Penrith - - - | 4,517 |
| | „ Harrington - - - | 162,917 |
| | „ Maryport and Flimby - - - | 282,804 |
| | „ Parton - - - | 25,283 |
| | „ Scotland - - - | 44,432 |
| | „ Whitehaven for shipment - - - | 8,056 |
| | „ Whitehaven Lonsdale Iron Works - - - | 107,924 |
| | „ Workington - - - | 407,362 |
| | Total - - - | 1,214,117 |

| Mine. | Where situated. | Owner. | Quantity. | Average per-centage of Iron. | Value of the Ore at the Mine or Open Work. |
|--------------------------|-----------------|---------------------------------------|----------------|------------------------------|--|
| DENBIGHSHIRE: | | | | | |
| Nant Uchaf - R.H. | Abergele | Abergele Hæmatite Co., Limited. | Tons. 1,171 | 45·00 | £ 673 |
| DEVONSHIRE: | | | | | |
| Bampfylde - B.H. | North Molton | Receiver and manager for bondholders. | 1,684 | — | 505 |
| Brimley - „ | Molland | Molland Mining Co. - | 927 | 50·00 | 232 |
| Haytor - M.O. | Ilstington | Haytor Mining Co. - | 3,840 | 57·01 | 3,360 |
| Kelley - B.H. | Lustleigh | W. H. Hosking - | 30 | 50·00 | 90 |
| New Florence R.H. | North Molton | New Florence Mining Co. - | 5,000 | 52·50 | 3,625 |
| Total - - - | - - - | - - - | 11,481 | 52·40 | 7,812 |

DISTRIBUTION OF IRON ORE from DEVONSHIRE.

Shipped at Dartmouth, 1,816 tons; Newton Abbot, 7 tons; Teignmouth, 330 tons; and Torquay, 55 tons.

| | | | | | |
|-------------------------------|--------------|--------------------------------------|--------------|-------|---------|
| DURHAM: | | | | | |
| Dirt Pit S. & S.H. | Ettersgill | Duke of Cleveland - | Tons. 126 | - | £ 29 |
| Foulwood - „ | Rookhope | Weardale Iron and Coal Co., Limited. | 115 | - | 57 |
| Red Vein - „ | Stanhope | Ditto - - - | 23,904 | - | 11,952 |
| Rowan Tree „ | Weardale | Ditto - - - | 21,519 | - | 10,760 |
| „ Head A. | Ditto | Ditto - - - | 988 | - | 494 |
| Snaisgill - „ | Middleton | Thomas Grieve - | 1,000 | - | 175 |
| Weardale Iron „ | Weardale | Weardale Iron and Coal Co., Limited. | 36,074 | - | 18,037 |
| Stone Workings. | - | - | - | - | - |
| Totals - - - | - - - | - - - | 83,726 | 30·00 | 41,504 |
| FLINTSHIRE: | | | | | |
| Bodfari - R.H. | Denbigh | Thomas Gee - - - | 1,300 | 45·00 | 585 |
| GLAMORGANSHIRE: | | | | | |
| Garth - B.H. | Pentyrch | The receiver of J. W. Booker and Co. | 10,980 | 32·50 | 4,392 |
| Mwyndy - „ | Llantrissant | Mwyndy Iron Ore Co., Ltd. - | 28,820 | 44·00 | 14,410 |
| Trecastle - „ | Llanbarrý | Ditto - - - | 37,362 | 47·00 | 20,549 |
| Totals - - - | - - - | - - - | 77,162 | 41·17 | 39,351 |

Weardale Blast Furnace Statistics for 1880s

Durham iron ore record (p.51) in 1882, pub 1883

YEAR 1882.]

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[IRON ORE.]

The NORTH EASTERN RAILWAY conveyed from the CLEVELAND DISTRICT, and from WHITEHAVEN, &c. :—

| From | To | Weight to each District. | Total Weight. | |
|---|---------------------|--------------------------|---------------|---------|
| | | Tons. | Tons. | |
| Northumberland and District of Newcastle and Carlisle Railway | Darlington District | 60,456 | 63,329 | |
| | Stockton ditto | 2,873 | | |
| Newcastle District | Ditto ditto | 144 | 192 | |
| Ditto | Darlington ditto | 48 | | |
| Darlington District | Ditto ditto | 25,354 | 25,354 | |
| Stockton District | Stockton ditto | 4,127 | | |
| Ditto | Darlington ditto | 12,953 | 17,080 | |
| Cleveland, North Yorkshire, and Cleveland District | Whitby ditto | 20,400 | | 71,839 |
| | Stockton ditto | 51,439 | | |
| Cleveland, S. and D. District | Stockton ditto | 4,459,773 | 4,876,313 | |
| | Ditto ditto | 118,498 | | |
| | Ditto ditto | 298,042 | | |
| Ulverston Ore | Ditto ditto | 1,057 | 24,589 | |
| | Ditto | 22,936 | | |
| | Ditto | 578 | | |
| | Ditto | Sundry places | | 18 |
| Whitehaven Ore | Darlington District | 6,086 | 13,506 | |
| | Ditto | Stockton ditto | | 7,420 |
| South | Whitby ditto | 1,857 | 98,358 | |
| | Ditto | Darlington ditto | | 26,418 |
| | Ditto | Newcastle ditto | | 1,864 |
| | Ditto | Stockton ditto | | 52,413 |
| | Ditto | Sundry places | | 15,806 |
| Imported | Darlington District | 154,027 | 525,550 | |
| | Ditto | Stockton ditto | | 198,525 |
| | Ditto | Newcastle ditto | | 168,509 |
| | Ditto | Sundry places | | 4,489 |
| Total | | | 5,716,110 | |

| Owner. | Mine. | Where situated. | Quantity. (Pisolitic Ore.) | Average per-centage of Iron. | Value of the Ore at the Mine or Open Work. |
|---|---------------|-----------------------|----------------------------|------------------------------|--|
| IRELAND. | | | | | |
| Antrim Iron Ore Co., Limited, Belfast. | Broughshane | Ballymena | } 23,592 82,000 | 20 to 30 40·00 | 3,932 19,475 |
| | Cloneytrace | Ditto | | | |
| | Dungonnell | Ditto | | | |
| | Glenarm | Glenarm | | | |
| | Parkmore | Ballymena | | | |
| | Rathkenny | Ditto | | | |
| Chambers, Charles, 3, Westminster Chambers, Victoria Street, London. | Evisnacrow | Glenravel | 10,000 | 40·00 | 2,375 |
| Duneany Mining Co. | Duneany | Killagan | 5,518 | 40·00 | 1,310 |
| Fisher, John, & Co., Barrow-in-Furness. | Glenravel | Slieveniah, Glenravel | 15,914 | 40·00 | 3,780 |
| Glenariff Iron Ore and Harbour Co. Limited, 36, Wallbrook, London. | Cloghcor | Parkmore, Ballymena | 11,793 | 40·00 | 2,801 |
| Mountcashel Iron Ore Co., Limited, 3, Chancery Lane, Pall Mall, Manchester. | Evisnacrow | Glenravel, Ballymena | } 20,412 | 40·00 | 4,848 |
| Portrush Mining Co., Portrush | Gortnageeragh | Ditto ditto | | | |
| Ritchie, Francis, and Sons, Belfast. | Ballylaggan | Portrush | } 5,095 | 25·00 | 849 |
| | Orblereigh | Ditto | | | |
| Townson, Benjamin (now Portrush Co.) | Ballybolly | Ballynure Junction | } 11,461 | 25·00 | 1,910 |
| | Ballypallady | Ballyclare | | | |
| | Carnlough | Carnlough | | | |
| | Island Magee | Larne | | | |
| | Orblereigh | Portrush | 3,939 | 25·00 | 656 |
| Totals | | | 189,724 | 36·00 | 41,936 |

Weardale Blast Furnace Statistics for 1880s

Mineral Statistics for 1883, pub 1884

from https://www.google.co.uk/books/edition/_/Jnbw5OFyx9gC (2nd part of book)

MINES AND MINERALS.

SUMMARIES OF THE REPORTS

OF THE

**INSPECTORS OF MINES TO HER MAJESTY'S
SECRETARY OF STATE,**

AND

MINERAL STATISTICS

OF THE

**UNITED KINGDOM OF GREAT BRITAIN
AND IRELAND,**

INCLUDING LISTS OF MINES AND MINERAL WORKS,

For the Year 1883.

PREPARED BY HER MAJESTY'S INSPECTORS OF MINES.

Presented to both Houses of Parliament by Command of Her Majesty.



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1884.

[C.—4058.] Price 3s.

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Weardale Blast Furnace Statistics for 1880s
Weardale blast furnaces in 1883, pub 1884

IRON—PIG IRON.]

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[YEAR 1883.

Blast Furnaces—continued.

| Name and Situation of Furnaces. | Owner. | Blast Furnaces. | |
|---|---|-----------------|-----------|
| | | Number. | In Blast. |
| DENBIGHSHIRE: | | | |
| Brymbo, <i>Brymbo</i> - - - - | Brymbo Iron Co. - - - - | 3 | 1 |
| Ffrwd, <i>Wrezham</i> - - - - | James Sparrow & Son - - - - | 2 | — |
| Ruabon, <i>Ruabon</i> (at work 15 weeks) | New British Iron Co., Limited - - - - | 2 | 1 |
| Totals - - - - | - - - - | 7 | 2 |
| Total make of pig iron, including that of Flintshire, 39,377 tons. Total iron ore used 87,561 tons. Total coal used (including coal converted into coke), 126,219 tons. | | | |
| DERBYSHIRE: | | | |
| Alfreton, <i>Alfreton</i> - - - - | James Onkes & Co. - - - - | 3 | 2 |
| Butterley, <i>Alfreton</i> - - - - | The Butterley Co. - - - - | 5 | 2 |
| Codnor Park, <i>Alfreton</i> - - - - | | | |
| Clay Cross, <i>Chesterfield</i> - - - - | The Clay Cross Co. - - - - | 3 | 3 |
| Denby, <i>Derby</i> - - - - | George Dawes - - - - | 4 | 3 |
| Erewash Valley, <i>Ilkeston</i> (production estimated). | Erewash Valley Iron Co. - - - - | 4 | 1 |
| Newbold, <i>Chesterfield</i> - - - - | Newbold Iron and Coal Co. - - - - | 1 | — |
| Oakerthorpe, <i>Wingfield</i> - - - - | R. Strelley - - - - | 2 | — |
| Renishaw, <i>Eckington</i> - - - - | F. R. Appleby & Co. - - - - | 3 | 2 |
| Sheepbridge, <i>Chesterfield</i> - - - - | Sheepbridge Iron and Coal Co., Limited - - - - | 7 | 5 |
| Stanton, <i>Nottingham</i> - - - - | Stanton Iron Works Co., Limited - - - - | 8 | 7 |
| Staveley, <i>Chesterfield</i> - - - - | Staveley Coal and Iron Co., Limited - - - - | 8 | 7 |
| West Hallam, <i>Ilkeston</i> (at work four months). | West Hallam Coal and Iron Co. - - - - | 2 | 1 |
| Wingerworth, <i>Chesterfield</i> (two furnaces rebuilding). | Wingerworth Iron Co. - - - - | 3 | 1 |
| Totals - - - - | - - - - | 53 | 34 |
| Total make of pig iron, 353,474 tons. Total iron ore used 951,054 tons. Total coal used (including coal converted into coke), 896,428 tons. | | | |
| DURHAM: | | | |
| Carlton, <i>Stockton-on-Tees</i> - - - - | Carlton Iron Co., Limited - - - - | 3 | 2 |
| Clarence, <i>Middlesborough-on-Tees</i> - - - - | Bell Brothers, Limited - - - - | 12 | 11 |
| Consett, <i>Blackhill, Durham</i> - - - - | Consett Iron Co., Limited - - - - | 7 | 6 |
| Ferry Hill, <i>West Carnforth</i> - - - - | John Rogerson - - - - | 8 | — |
| Jarrow, <i>Jarrow-on-Tyne</i> - - - - | Pulmer's Shipbuilding and Iron Co., Limited - - - - | 3 | 3 |
| Middleton, <i>Darlington</i> (at work nine months). | Executors of the late George Wythes - - - - | 4 | 4 |
| Norton, <i>Stockton-on-Tees</i> - - - - | Norton Iron Co., Limited - - - - | 6 | — |
| Seaton Carew, <i>West Hartlepool</i> (two furnaces only partially at work). | Seaton Carew Iron Co., Limited - - - - | 3 | 2 |
| South Durham, <i>Darlington</i> - - - - | South Durham Iron Co., Limited (in liquidation) | 3 | — |
| Stockton, <i>North Shore</i> - - - - | Stockton Iron Furnace Co. - - - - | 3 | — |
| Tees Bridge, <i>Stockton-on-Tees</i> - - - - | Tees Bridge Iron Co., Limited - - - - | 3 | 3 |
| Towlaw, <i>Darlington</i> - - - - | Weardale Iron and Coal Co., Limited - - - - | 4 | 1 |
| Tudhoe, <i>Spennymoor</i> - - - - | Ditto ditto - - - - | 2 | 2 |
| Vane and Seaham, <i>Seaham</i> - - - - | Watson, Kipling, & Co., Limited - - - - | 2 | — |
| Witton Park, <i>Bishop Auckland</i> - - - - | Bolckow, Vaughan, & Co., Limited - - - - | 2 | 2 |
| Totals - - - - | - - - - | 65 | 36 |
| Total make of pig iron, 823,659 tons. Total iron ore used 2,165,604 tons. Total coal used (including coal converted in coke), 1,591,384 tons. | | | |
| FLINTSHIRE: | | | |
| Mostyn, <i>Mostyn</i> (make included in Denbighshire). | Mostyn Coal and Iron Co., Limited - - - - | 3 | 3 |

Weardale Blast Furnace Statistics for 1880s

Weardale Bessemer Converters in 1883, pub 1884

YEAR 1883.]

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[IRON—STEEL MANUFACTURE.

GENERAL SUMMARY of IRON MILLS and FORGES in OPERATION in GREAT BRITAIN, 1883.

| County | Number of Works. | Number of Puddling Furnaces. | Number of Rolling Mills. |
|----------------------------|------------------|------------------------------|--------------------------|
| ENGLAND AND WALES : | | | |
| Brecknockshire | — | — | — |
| Cumberland | 3 | 34 | 4 |
| Denbighshire | 1 | 30 | 4 |
| Derbyshire | 4 | 108 | 15 |
| Durham | 16 | 894 | 62 |
| Glamorganshire | 9 | 272 | 57 |
| Gloucestershire | — | — | — |
| Lancashire | 10 | 358 | 71 |
| Monmouthshire | 6 | 119 | 35 |
| Northumberland | — | — | — |
| Nottinghamshire | 1 | 17 | 2 |
| Shropshire | 8 | 181 | 20 |
| Somersetshire | 1 | 14 | 4 |
| Staffordshire, North | 9 | 397 | 36 |
| Staffordshire, South | 110 | 1,597 | 312 |
| Worcestershire | 14 | 225 | 49 |
| Yorkshire, North Riding | 7 | 362 | 33 |
| Yorkshire, West Riding | 25 | 599 | 122 |
| SCOTLAND : | | | |
| Lanarkshire | 19 | 395 | 78 |
| Totals in Great Britain | 252 | 5,602 | 904 |

Iron—Steel Manufacture.

BESSEMER STEEL WORKS in GREAT BRITAIN, 1883.

| Name and Situation of Works. | Owner. | Converters. | |
|------------------------------|---|-------------|--------------------|
| | | Number. | Capacity. |
| CHESHIRE : | | | |
| Crewe | London and North Western Railway Co. | 4 | Tons. cwts. 3 0 |
| CUMBERLAND : | | | |
| Dronfield, Workington | Wilson, Cammell, & Co. | 4 | — — |
| Moss Bay, Workington | Moss Bay Haematite Iron and Steel Co. | 3 | 8 0 |
| West Cumberland, Workington | West Cumberland Iron and Steel Co. | 4 | 7 0 |
| Total | | 11 | — — |
| DURHAM : | | | |
| Albert Hill | Darlington Steel and Iron Co., Limited | 2 | 7 0 |
| Tudhoe, Spennymoor | Weardale Iron Co., Limited | 4 | 2 10 |
| Total | | 6 | — — |
| LANCASHIRE : | | | |
| Barrow | Barrow Haematite Steel Co., Limited | 8 | 8 0 |
| Bolton | Bolton Iron and Steel Co., Limited | 4 | 5 0 |
| Carnforth | Carnforth Haematite Iron Co., Limited | 2 | 6 0 |
| Gibraltar, Newton Heath | Manchester Steel and Railway Plant Co. | 4 | 3 0 |
| Gorton, Manchester | Manchester, Sheffield, and Lincolnshire Railway Co. | 4 | 3 10 |
| Gorton ditto | Standard Iron and Steel Co. | 2 | 3 10 |
| Total | | 24 | — |

Weardale Blast Furnace Statistics for 1880s

Weardale Mills and Forges in 1883, pub 1884

YEAR 1883.]

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[IRON—MILLS AND FORGES.]

Iron—Mills and Forges.

MILLS and FORGES in GREAT BRITAIN in 1883.

| Name of Works. | Owner. | Nearest Port or Railway Station. | Puddling Furnaces. | Rolling Mills. |
|---|--|----------------------------------|--------------------|----------------|
| BRECKNOCKSHIRE: | | | | |
| Coedcae | Welsh Iron Works Co. | Aberdare | No. | No. |
| CUMBERLAND: | | | | |
| Derwent Rolling Mills | Kirk Brothers & Co. | Workington | 7 | 1 |
| Ellen Rolling Mills | Ditto | Maryport | — | — |
| Marsh Side | Ditto | Workington | 12 | 1 |
| New Yard | Ditto | Ditto | 15 | 2 |
| West Cumberland | West Cumberland Iron and Steel Co., Limited. | Ditto | — | — |
| Totals | | | 34 | 4 |
| DENBIGHSHIRE: | | | | |
| Broughton Hall | Broughton Hall Iron Co. | Wrexham | — | — |
| Gwerslet Forge | Colonel Wheatley | Ruabon | — | — |
| Pontysyllte | Jones, Hyde, and Mackay | Ruabon | — | — |
| Ruabon | New British Iron Co. | Ruabon | 30 | 4 |
| Stansty | George Hartshorne | Wrexham | — | — |
| Totals | | | 30 | 4 |
| DERBYSHIRE: | | | | |
| Butterley | The Butterley Co. | Alfreton | 38 | 7 |
| Railway and Victoria | Eastwood, Swinger, & Co. | Derby | 35 | 2 |
| Sheepbridge (four single and seven double, reckoned as 14). | Sheepbridge Coal and Iron Co., Limited. | Chesterfield | 18 | 3 |
| Whittington | Thomas Firth and Sons, Limited | Chesterfield | 17 | 3 |
| Totals | | | 108 | 15 |
| DURHAM: | | | | |
| Albert Hill | Darlington Steel and Iron Co., Limited | Darlington | — | 2 |
| Albion (Felling Shore) | Felling Coal Iron and Chemical Co., Limited. | Gateshead | — | — |
| Auckland | Bishop Auckland Iron and Steel Co., Limited. | Bishop Auckland | — | — |
| Birtley | Birtley Iron Co. | Chester-le-Street | — | — |
| Bowesfield (10 double, reckoned as 20, and 26 single). | Bowesfield Iron Co., Limited | Stockton-on-Tees | 46 | 2 |
| Carr House | Carr House Iron Co. | West Hartlepool | 24 | 3 |
| Consett | Consett Iron Co., Limited | Blackhill, Durham | 175 | 7 |
| Gateshead | Hawks, Crawshay, and Sons | Gateshead | 46 | 4 |
| Hartlepool | Hartlepool Rolling Mills Co., Limited | Hartlepool | 34 | 2 |
| Hive | John Elliot and Sons | East Jarrow | — | — |
| Jarrow | Palmer's Shipbuilding and Iron Co., Limited. | Jarrow-on-Tyne | 86 | 6 |
| Monkwearmouth | Samuel Tyzack & Co. | Sunderland | 33 | 1 |
| Park | John Abbott & Co., Limited | Gateshead | 30 | 4 |
| Richmond | Richmond Ironworks Co. | Stockton-on-Tees | 22 | 2 |
| Rise Carr | Fry, Janson, & Co. | Darlington | 32 | 3 |
| Skerne | Skerne Iron Works Co., Limited | Ditto | — | — |
| South Hylton | Raine Brothers | South Hylton | — | — |
| Springfield | Darlington Iron Co., Limited | Darlington | — | — |
| Stockton | Stockton Malleable Iron Co., Limited | Stockton-on-Tees | 110 | 10 |
| Stranton | Robert H. Charlton | West Hartlepool | — | — |
| Tudhoe | Weardale Iron and Coal Co., Limited | Spennymoor | 40 | 6 |
| West Stockton | Owners of West Stockton Ironworks | Stockton-on-Tees | 56 | 5 |
| West Hartlepool | M. Gray and A. Gladstone | West Hartlepool | 73 | 2 |
| Whessoe | Unoccupied | Darlington | — | — |
| Witton Park | Bolckow, Vaughan, & Co., Limited | Stockton-on-Tees | 87 | 3 |
| Totals | | | 894 | 62 |

Weardale Blast Furnace Statistics for 1880s

Durham iron ore record (p.50) in 1883, pub 1884

IRON ORE.]

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[YEAR 1883.

IRON ORE—continued.

| Mine or Open Work. | Where situated. | Owner. | Quantity. | Average per-centage of Iron. | Value of the Ore at the Mine or Open Work. |
|---------------------------------|-----------------|---|-------------|------------------------------|--|
| DEVONSHIRE: | | | Tons. | | £ |
| Bampfylde - B.H. | North Molton | Receiver and manager for bondholders. | Nil | | — |
| Brimley - " | Molland | Molland Mining Co. - | 2,175 | | 544 |
| Haytor - M.O. | Ilington | Haytor Mining Co. - | Nil | | — |
| Kelley - B.H. | Lustleigh | W. H. Hosking - | 20 | | 60 |
| New Florence B.H. | North Molton | New Florence Mining Co., Limited. | 1,500 | | 1,087 |
| Stowford - " | Ditto | North Molton Mining Co., Limited. | 1,545 | | 425 |
| Totals | | | 5,240 | 53·00 | 2,116 |
| DURHAM: | | | | | |
| Dirt Pit S. & S.H. | Ettersgill | Duke of Cleveland - | 1,500 | | 488 |
| Red Vein - " | Stanhope | Weardale Iron and Coal Co., Limited. | 4,185 | | 9,079 |
| Rowan Tree A. " | Weardale | Ditto - | 20,026 | | 159 |
| Snaisgill - " | Middleton | Thomas Grieve - | 639 | | 8,962 |
| Weardale Iron Stone Working - " | Weardale | Weardale Iron and Coal Co., Limited. | 23,898 | | |
| Totals | | | 50,248 | 30·00 | 18,688 |
| FLINTSHIRE: | | | | | |
| Bodfari - B.H. | Denbigh | Thomas Geo - | 552 | 50·00 | 249 |
| GLAMORGANSHIRE: | | | | | |
| Garth - B.H. | Pentyrch | The receiver of I. W. Booker and Co. | 10,162 | | 3,557 |
| Mwyndy - " | Llantrissant | Mwyndy Iron Ore Co., Ltd. - | 4,180 | | 1,933 |
| Trecastle - " | Llanharry | Ditto - | 10,777 | | 5,389 |
| Totals | | | 25,119 | 38·00 | 10,879 |
| GLOUCESTERSHIRE: | | | Tons. | | |
| FOREST OF DEAN. | | | B.H. | | |
| Bobs Quarry - | Aylburton | James Jones - | 105 | | — |
| Bow Pit - | Perry Grove | R. Watkins - | — | | — |
| Bream Grove - | Bream | J. W. Blanch and W. Wood - | 236 | | — |
| Buckshaft - | East Dean | Henry Crawshay and Sons - | 14,167 | | — |
| China - | Bream | Ditto ditto - | 10,463 | | — |
| Crows Nest - | Newland | Richard Watkins - | 48 | | — |
| Dun Pit - | Coleford | Ditto ditto - | 406 | | — |
| Easter - | Ditto | Easter Hæmatite Iron Ore Co., Limited. | 3,032 | | — |
| Edge Hill - | Mitcheldean | The Dowlais Iron Co. - | 18,956 | | — |
| Highmeadow - | Highmeadow | Highmeadow Iron Ore Co. - | 156 | | — |
| Kingsmoor - | Bream | J. E. Wyndham - | — | | — |
| Lambesquay - | Coleford | W. H. Fryer - | 774 | | — |
| Limekiln Pool - | Ditto | Ditto - | — | | — |
| Lydbrook - | Ditto | Ditto - | — | | — |
| New Dun Pit - | Ditto | Richard Watkins - | 1,563 | | — |
| Noxon Park - | Noxon | George Jarrett - | 2,934 | | — |
| Oak Pit - | Coleford | Goodrich Langham - | 175 | | — |
| Oakwood - | Bream | Oakwood Iron Co. - | 4,346 | | — |
| Oakwood - | Ditto | Walter Hoare - | 313 | | — |
| Old Ham Pit - | Coleford | W. H. Fryer - | 1,242 | | — |
| Old Sling Pit - | Ditto | Ditto - | 3,841 | | — |
| Park - | Lydney | John York, Jarrett - | 4,237 | | — |
| Park Hill - | Bream | Henry Crawshay and Sons - | — | | — |
| Perseverance - | East Dean | Ditto ditto - | 2,871 | | — |
| Saint Annalls - | Ditto | Ditto ditto - | — | | — |
| South Oakwood - | Bream | The Dean Forest Hæmatite Iron Ore Co. | — | | — |
| Wigpool - | Mitcheldean | The Lydney and Wigpool Iron Ore Co., Limited. | 319 | | — |
| Yew Tree - | Bream | John Shingles - | 758 | | — |
| Totals | | | 70,942 | 44·00 | 35,471 |

Of the above quantity the mines in the Crown property produced 55,062 tons (Gaveller's Return).

Weardale Blast Furnace Statistics for 1880s

Weardale Iron Mines list in 1883, pub 1884

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LIST OF MINES AND OPENWORKS.

[YEAR 1883.

LIST OF OWNERS, MINES, and MANAGERS under the Metalliferous Mines Regulation Act, in DURHAM, WESTMORELAND, N.R. of YORKSHIRE, and Parts of CUMBERLAND and NORTHUMBERLAND, 1883—cont.

| Owner or Company and Postal Address. | Number of Persons employed. | Name of Mine. | Where situated. | Name of Manager or Agent. |
|--|-----------------------------|------------------------|-----------------------|---------------------------|
| IRON ORE MINES. | | | | |
| DURHAM. | | | | |
| Grieve, Thomas, Middleton-in-Teesdale. | 6 | Snaisgill - - | Weardale - - | Thos. Grieve |
| Hope, Alexr. Cleveland Cottage, Middleton-in-Teesdale | 9 | Dirt Pit - - | Ditto - - | Alexr. Hope. |
| Weardale Iron and Coal Co., Ltd., Tudhoe, Spennymoor. | 94 | Foul Wood (Standing) | Ditto - - | } T. Teesdale. |
| | | Level Gate (Standing) | Ditto - - | |
| | | Red Vein - - | Ditto - - | |
| | | Rowan Tree A. - | Ditto - - | |
| | | Side Head (Standing) | Ditto - - | |
| WESTMORELAND. | | | | |
| Lake District Hamatite Mining Co., Ltd., Grasmere Muse, Stroughton, Ashton, & Co., Grasmere. | — | Fairfield - - | Helvellyn, Grasmere - | Standing. |
| | — | Providence - - | Seat Sandle, Grasmere | Ditto. |
| WHINSTONE MINES. | | | | |
| DURHAM. | | | | |
| Coates, Wm., 37, Half Moon Lane, Spennymoor. | 6 | Tudhoe Whinstone - | Tudhoe - - | Wm. Coates. |
| Wooler, Chapman, & Co., Howden-le-Wear, Darlington. | 4 | Hargill - - | Howden-le-Wear - | J. W. Gaskell. |
| YORKSHIRE. | | | | |
| Bradley, M., Great Ayton, Northallerton. | 8 | Langbaugh - - | Great Ayton - - | Geo. Bradley. |
| Leeds Corporation, Great Ayton, Northallerton. | 54 | Cliffridge - - | Ditto - - | S. Myers. |
| Scholefield, Geo., Grosmont, York. | 24 | Egton - - | Grosmont - - | Geo. Scholefield. |
| Waddington, G. W., 7, Royal Crescent, Whitby. | 9 | Grosmont - - | Ditto - - | W. Scholefield. |
| Winn, Wm., Great Ayton, Northallerton. | 17 | Cliffrigg and Slacks - | Great Ayton - - | W. Winn. |
| SLATE MINES. | | | | |
| WESTMORELAND. | | | | |
| Bowness, John, Ellerwater, Ambleside. | 8 | Banks - - | Langdale - - | J. Bowness. |
| Elterwater Green Slate Co., Ltd., Ambleside. | 36 | Bayls Brown Quarry - | Ditto - - | } Isaac Williams. |
| | | Lords Quarry - - | Ditto - - | |
| | | Thrang Crag - - | Ditto - - | |
| Field, Thos., executors of the late, Leith. | — | Kentmere - - | Staveley - - | Standing. |
| Priestman & Co., Lowther, Patterdale. | — | Caudle - - | Patterdale - - | Ditto |
| Robinson, John, Birch Hill, Elterwater, Ambleside. | — | Elterwater - - | Langdale - - | Ditto |
| Storey, John, Kentmere, Kendal. | — | Fell Head - - | Kentmere - - | John Storey. |
| Tyson, Wm., Elterwater, Ambleside. | — | Cross Gaites - - | Langdale - - | Standing. |
| Ditto - - - | — | Scott Copy - - | Ditto - - | Ditto |
| FLAG STONE MINES. | | | | |
| DURHAM. | | | | |
| Alderson, Caleb, West Garth, Copley, Cockfield, Darlington. | 4 | Oak Bank - - | Lynesack and Softly - | C. Alderson. |
| Bates, John, 126, Newgate Street, Bishop Auckland. | 9 | Baxton Bank - - | Wolsingham Park - | J. Bates. |
| Beadle, John, Egglestone, Barnard Castle. | 6 | Hope House - - | Middleton in Teesdale | J. Beadle. |
| Hurworth Bros., Barnard Castle. | 4 | Shipley and Backston | Marwood - - | Robt. Hurworth. |
| Simpson, Parker, Copley, Cockfield, Darlington. | 4 | Oak Bank - - | Copley, Cockfield - | P. Simpson. |
| White, and Spencer, Marwood, Barnard Castle. | 3 | Marwood - - | Barnard Castle - | Standing. |

Weardale Blast Furnace Statistics for 1880s

Mineral Statistics for 1884, pub 1885

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MINES AND MINERALS.

MINING AND MINERAL STATISTICS

OF THE

**UNITED KINGDOM OF GREAT BRITAIN
AND IRELAND,**

INCLUDING LISTS OF MINES AND MINERAL WORKS,

For the Year 1884.

PREPARED BY HER MAJESTY'S INSPECTORS OF MINES

By direction of the Secretary of State for the Home Department.

Presented to both Houses of Parliament by Command of Her Majesty.



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1885.

[C.—4430.] *Price 2s. 10d.*

Weardale Blast Furnace Statistics for 1880s
Weardale blast furnaces in 1884, pub 1885

YEAR 1884.]

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[IRON—PIG IRON.]

Blast Furnaces—continued.

| Name and Situation of Furnaces. | Owner. | Blast Furnaces. | |
|--|--|-----------------|-----------|
| | | Number. | In Blast. |
| DENBIGHSHIRE: | | | |
| Brymbo, <i>Brymbo</i> - - - | Brymbo Steel Co., Ltd. - - - | 3 | — |
| Ffrwd, <i>Wrexham</i> - - - | James Sparrow & Son - - - | 2 | — |
| Ruabon, <i>Ruabon</i> - - - | New British Iron Co., Ltd. - - - | 2 | 1 |
| Totals - - - - - | - - - - - | 7 | 1 |
| Total make of pig iron, including that of Flintshire, 34,486 tons. Total iron ore used 81,664 tons. Total coal used (including coal converted into coke), 121,827 tons. | | | |
| DERBYSHIRE: | | | |
| Alfreton, <i>Alfreton</i> - - - | James Oakes & Co. - - - | 3 | 3 |
| Butterley, <i>Alfreton</i> - - - | The Butterley Co. - - - | 5 | 3 |
| Clay Cross, <i>Chesterfield</i> - - - | The Clay Cross Co. - - - | 3 | 2 |
| Denby, <i>Derby</i> - - - | George Dawes - - - | 4 | 2 |
| Erewash Valley, <i>Ilkeston</i> - - - | Erewash Valley Iron Co. - - - | 4 | 1 |
| Newbold, <i>Chesterfield</i> - - - | Newbold Iron and Coal Co. - - - | 1 | — |
| Oakerthorpe, South, <i>Wingfield Alfreton</i> - - - | R. C. Strelley - - - | 2 | — |
| Renishaw, <i>Eckington</i> - - - | F. R. Appleby & Co. - - - | 2 | 2 |
| Sheepbridge, <i>Chesterfield</i> - - - | Sheepbridge Iron and Coal Co., Ltd. - - - | 8 | 5 |
| Stanton, <i>Nottingham</i> - - - | Stanton Iron Works Co., Ltd. - - - | 9 | 7 |
| Staveley, <i>Chesterfield</i> - - - | Staveley Coal and Iron Co., Ltd. - - - | 8 | 6 |
| West Hallam, <i>Ilkeston</i> - - - | West Hallam Coal and Iron Co. - - - | 2 | — |
| Wingerworth, <i>Chesterfield</i> - - - | Wingerworth Iron Co. - - - | 3 | 1½ |
| Totals - - - - - | - - - - - | 54 | 32½ |
| Total make of pig iron, 359,338 tons. Total iron ore used, 979,270 tons. Total coal used (including coal converted into coke), 832,161 tons. | | | |
| DURHAM: | | | |
| Carlton, <i>Stockton-on-Tees</i> - - - | Carlton Iron Co., Ltd. - - - | 3 | 2 |
| Clarence, <i>Middlesbrough-on-Tees</i> - - - | Bell Brothers, Ltd. - - - | 12 | 9½ |
| Consett, <i>Blackhill, Durham</i> - - - | Consett Iron Co., Ltd. - - - | 7 | 5½ |
| Ferry Hill, <i>Ferry Hill</i> - - - | John Rogerson - - - | 8 | — |
| Jarrow, <i>Jarrow-on-Tyne</i> - - - | Palmer's Shipbuilding and Iron Co., Ltd. - - - | 4 | 3½ |
| Middleton, <i>Darlington</i> - - - | Executors of the late George Wythes - - - | 4 | — |
| Norton, <i>Stockton-on-Tees</i> - - - | Norton Iron Co., Ltd. - - - | 3 | — |
| Seaton Carew, <i>West Hartlepool</i> - - - | Seaton Carew Iron Co., Ltd. - - - | 3 | 2 |
| South Durham, <i>Darlington</i> - - - | South Durham Iron Co., Ltd. (in liquidation) - - - | 3 | — |
| Stockton, <i>North Shore</i> - - - | Stockton Iron Furnace Co. (ditto.) - - - | 3 | — |
| Tees Bridge, <i>Stockton-on-Tees</i> - - - | Tees Bridge Iron Co., Ltd. - - - | 3 | 2½ |
| Towlaw, <i>Darlington</i> - - - | Weardale Iron and Coal Co., Ltd. - - - | 4 | 1 |
| Tudhoe, <i>Spennymoor</i> - - - | Ditto ditto - - - | 2 | 2 |
| Vane and Seaham, <i>Seaham</i> - - - | Watson, Kipling, & Co., Ltd. - - - | 2 | — |
| Witton Park, <i>Bishop Auckland</i> - - - | Bolckow, Vaughan, & Co., Ltd. - - - | 2 | 1 |
| Totals - - - - - | - - - - - | 63 | 28½ |
| Total make of pig iron, including Northumberland, 779,131 tons. Total iron ore used, 2,012,767 tons. Total coal used (including coal converted in coke), 1,495,645 tons. | | | |
| FLINTSHIRE: | | | |
| Mostyn, <i>Mostyn</i> - - - | Mostyn Coal and Iron Co., Ltd. - - - | 3 | 3 |
| The make of pig iron, and the quantity of iron ore and coal used are included in the figures for Denbighshire. | | | |

GENERAL SUMMARY of IRON MILLS and FORGES in OPERATION in GREAT BRITAIN.

| County. | Number of Works. | Number of Puddling Furnaces. | Number of Rolling Mills. |
|--------------------------------|------------------|------------------------------|--------------------------|
| ENGLAND AND WAELS | | | |
| Brecknockshire | — | — | — |
| Cheshire | 2 | 21 | 11 |
| Cumberland | 4 | 30 | 7 |
| Denbighshire | 2 | 21 | 5 |
| Derbyshire | 4 | 76 | 14 |
| Durham | 17 | 631 | 65 |
| Glamorganshire | 11 | 238 | 60 |
| Gloucestershire | — | — | — |
| Lancashire | 17 | 328 | 65 |
| Monmouthshire | 7 | 62 | 31 |
| Northumberland | — | — | — |
| Nottinghamshire | 1 | 16 | 2 |
| Shropshire | 8 | 151 | 21 |
| Somersetshire | 1 | 11 | 4 |
| Staffordshire, North | 9 | 371 | 35 |
| Staffordshire, South | 104 | 1,416 | 277 |
| Worcestershire | 14 | 180 | 47 |
| Yorkshire, North Riding | 9 | 212 | 27 |
| Yorkshire, West Riding | 27 | 479 | 122 |
| SCOTLAND: | | | |
| Lanarkshire | 22 | 334 | 82 |
| Totals in Great Britain | 259 | 4,577 | 875 |

Iron—Steel Manufacture.

BESSEMER STEEL WORKS in GREAT BRITAIN.

| Name and Situation of Works. | Owner. | Converters | |
|------------------------------|---|------------|-------------------|
| | | Number. | Capacity. |
| CESHIRE: | | | |
| Crewe, Crewe | London and North Western Railway Co. | 4 | Tons. cwt. 5 0 |
| CUMBERLAND: | | | |
| Dronfield, Workington | Wilson, Cammell, & Co. | 4 | — — |
| Moss Bay, Workington | Moss Bay Haematite Iron and Steel Co. | 3 | 8 0 |
| West Cumberland, Workington | West Cumberland Iron and Steel Co. | 4 | 8 0 |
| Total | | 11 | — — |
| DURHAM: | | | |
| Albert Hill, Darlington | Darlington Steel and Iron Co., Ltd. | 2 | 7 0 |
| Tudhoe, Spennymoor | Weardale Iron and Coal Co., Ltd. | 4 | 2 10 |
| Total | | 6 | — — |
| LANCASHIRE: | | | |
| Barrow, Barrow-in-Furness | Barrow Haematite Steel Co., Ltd. | 8 | 8 0 |
| Bolton, Bolton | Bolton Iron and Steel Co., Ltd. | 4 | 5 0 |
| Carnforth, Carnforth | Carnforth Haematite Iron Co., Ltd. | 2 | 6 0 |
| Gorton, Manchester | Manchester, Sheffield, and Lincolnshire Railway Co. | 2 | 3 10 |
| Vulcan, Barrow-in-Furness | Vulcan Steel and Forge Co., Ltd. | — | — — |
| Total | | 16 | — — |

Iron—Mills and Forges.**MILLS and FORGES in OPERATION in GREAT BRITAIN.**

| Name and Situation of Works. | Owner. | Puddling Furnaces. | Rolling Mills. |
|---|---|--------------------|----------------|
| | | No. | No. |
| ENGLAND AND WALES: | | | |
| BRECKNOCKSHIRE: | | | |
| Coedcae, Aberdare | Stuart Iron, Steel, and Tin-plate Co., Ltd. | — | — |
| CHESHIRE: | | | |
| Crewe, Crewe | London and North-Western Railway Co. | — | 8 |
| Wheelock, Sandbach | Wheelock Iron and Salt Co., Ltd. | 21 | 3 |
| Totals | | 21 | 11 |
| CUMBERLAND: | | | |
| Derwent Rolling Mills, Workington | Kirk Brothers & Co. | 7 | 1 |
| Ellen Rolling Mills, Maryport | Ditto | — | — |
| Marsh Side, Workington | Ditto | 10 | 1 |
| New Yard, Workington | Ditto | 13 | 2 |
| West Cumberland, Workington | West Cumberland Iron and Steel Co., Ltd. | — | 3 |
| Totals | | 30 | 7 |
| DENBIGHSHIRE: | | | |
| Broughton Hall, Wrexham | Broughton Hall Iron Co. | 6 | 2 |
| Pontysyllte, Ruabon | Unoccupied | — | — |
| Ruabon, Ruabon | New British Iron Co., Ltd. | 15 | 3 |
| Stansty, Wrexham | George Hartshorne | — | — |
| Totals | | 21 | 5 |
| DERBYSHIRE: | | | |
| Butterley, Alfreton | The Butterley Co. | 24 | 6 |
| Sheepbridge, Chesterfield | Sheepbridge Coal and Iron Co., Ltd. | 12 | 3 |
| Victoria and Railway, Derby | Eastwood, Swingler, & Co. | 35 | 4 |
| Whittington, Chesterfield | Thomas Firth and Sons, Ltd. | 5 | 1 |
| Totals | | 76 | 14 |
| DURHAM: | | | |
| Albert Hill, Darlington | Darlington Steel and Iron Co., Ltd. | — | 4 |
| Auckland, Bishop Auckland | Bishop Auckland Iron and Steel Co., Ltd. | — | — |
| Blaydon, Blaydon-on-Tyne | John Raine | — | 1 |
| Bowesfield (20 double, reckoned as 40, and 7 single), Stockton-on-Tees. | Bowesfield Iron Co., Ltd. | 47 | 3 |
| Carlton, ditto | Carlton Iron Co., Ltd. | — | — |
| Carr House, West Hartlepool | Unoccupied | — | — |
| Consett, Blackhill, Durham | Consett Iron Co., Ltd. | 110 | 7 |
| Gateshead, Gateshead | G. & E. Crawshaw | 47 | 4 |
| Hartlepool, Hartlepool | Hartlepool Rolling Mills Co., Ltd. | 20 | 2 |
| Hive, East Jarrow | John Elliot and Sons | — | — |
| Jarrow, Jarrow-on-Tyne | Palmer's Shipbuilding and Iron Co., Ltd. | 44 | 7 |
| Monkwearmouth, Sunderland | Samuel Tyzack & Co. | 16 | 3 |
| Moor, Stockton-on-Tees | Owners of Moor Iron Works | 75 | 5 |
| Park, Gateshead | John Abbott & Co., Ltd. | 21 | 4 |
| Richmond, Stockton-on-Tees | Richmond Ironworks Co. | — | — |
| Rise Carr Rolling Mills, Darlington | Fry, Janson, & Co. | 22 | 3 |
| Skerne, Darlington | Skerne Iron Works Co., Ltd. | — | — |
| South Hylton, South Hylton | South Hylton Iron and Steel Co., Ltd. In Liquidation. | 8 | 2 |
| Spennymoor, Spennymoor | M. Coulson and Co. | 12 | 2 |
| Springfield, Darlington | Darlington Iron Co., Ltd. | — | — |
| Stockton, Stockton-on-Tees | Stockton Malleable Iron Co., Ltd. | 50 | 4 |
| Stranton, West Hartlepool | Unoccupied | — | — |
| Tudhoe, Spennymoor | Weardale Iron and Coal Co., Ltd. | 36 | 5 |
| West Stockton, Stockton-on-Tees | Owners of West Stockton Ironworks | 50 | 4 |
| West Hartlepool, West Hartlepool | The Owners of West Hartlepool Iron Works. | 73 | 5 |
| Witton Park, Stockton-on-Tees | Bolckow, Vaughan, & Co., Ltd. | — | — |
| Totals | | 631 | 65 |

Weardale Blast Furnace Statistics for 1880s

Durham iron ore record (p.47) in 1884, pub 1885

YEAR 1884.]

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[IRON ORE.]

IRON ORE—continued.

| Mine or Openwork. | Where situated. | Owner. | Quantity. | Average per-centage of Iron obtainable. | Value of the Ore at the Mine or Openwork. |
|-------------------------------|-----------------|---|-----------|---|---|
| DEVONSHIRE: | | | Tons. | | £ |
| Bampfyde - B.H. | North Molton | North Molton Mining Co., Ltd. (In liquidation). | — | — | — |
| Molland - " | Molland | Molland Mining Co. | 1,226 | - | 307 |
| Kelley - " | Lustleigh | W. H. Hosking | 20 | - | 40 |
| Stowford - " | North Molton | North Molton Mining Co., Ltd. (In liquidation.) | 57 | - | 16 |
| Totals | - | - | 1,303 | 51 | 363 |
| DURHAM: | | | | | |
| Dirt Pit S. & S.H. | Ettersgill | Duke of Cleveland | 500 | - | 163 |
| Levelgate - " | Weardale | Weardale Iron and Coal Co., Ltd. | 123 | - | 40 |
| Red Vein - " | Stanhope | Ditto | — | — | — |
| Rowan Tree A. " | Weardale | Ditto | 23,910 | - | 8,966 |
| Snaisgill - " | Middleton | Thomas Grieve | 219 | - | 71 |
| Weardale Iron Stone Workings. | Weardale | Weardale Iron and Coal Co., Ltd. | 24,339 | - | 9,127 |
| Totals | - | - | 49,091 | 30 | 18,367 |
| GLAMORGANSHIRE: | | | | | |
| Garth - B.H. | Pentyrch | The receiver of T. W. Booker & Co. | 3,739 | - | 1,309 |
| Mwyndy - " | Llantrissant | Mwyndy Iron Ore Co., Ltd. | 4,747 | - | 1,780 |
| Trecastle - " | Llanharry | Ditto | 3,993 | - | 1,597 |
| Totals | - | - | 12,479 | 38 | 4,686 |
| GLOUCESTERSHIRE: | | | | | |
| FOREST OF DEAN. B.H. | | | | | |
| Bobs Quarry | Aylburton | James Jones | — | — | — |
| Bow Pit | Perry Grove | R. Watkins | — | — | — |
| Bream Grove | Lydney | J. W. Blanch and W. Wood | — | — | — |
| Buckshraff | Newnham | Henry Crawshay & Co. | 17,052 | — | — |
| China | Bream | Ditto and Sons | 12,148 | — | — |
| Crows Nest | Newland | Richard Watkins | 511 | — | — |
| Dun Pit | Coleford | Ditto | 1,727 | — | — |
| Dun Pit | Ditto | Henry Crawshay and Sons | 231 | — | — |
| Easter | Ditto | Trevor Powell and others | 373 | — | — |
| Edge Hill | Mitcheldean | Dowlais Iron Co. | 11,783 | — | — |
| Highmeadow | Highmeadow | Highmeadow Iron Ore Co. | 544 | — | — |
| Kingsmoor | Bream | J. E. Wyndham | — | — | — |
| Lambesquay | Coleford | W. H. Fryer | 385 | — | — |
| Limekiln Pool | Ditto | Ditto | — | — | — |
| Lydbrook | Ditto | Ditto | — | — | — |
| New Dun Pit | Ditto | Richard Watkins | — | — | — |
| Noxon Park | Noxon | George Jarrett | 1,280 | — | — |
| Oak Pit | Coleford | Goodrich Langham | — | — | — |
| Oakwood Deep Level | Bream | Oakwood Iron Co. | 495 | — | — |
| Oakwood Level | Ditto | Walter Hoare | — | — | — |
| Old Ham Pit | Coleford | W. H. Fryer | 324 | — | — |
| Old Sling Pit | Ditto | Ditto | 3,000 | — | — |
| Park | Lydney | John York, Jarrett | 4,835 | — | — |
| Park Hill | Bream | Henry Crawshay and Sons | 11 | — | — |
| Perseverance | East Dean | Ditto ditto | 6,827 | — | — |
| Saint Annalls | Ditto | Ditto ditto | — | — | — |
| South Oakwood | Bream | Oakwood Iron Co. | — | — | — |
| Wigpool | Mitcheldean | The Lydney and Wigpool Iron Ore Co., Ltd. | 613 | — | — |
| Yew Tree | Bream | John Shingles | 904 | — | — |
| Totals | - | - | *63,043 | 44 | 31,521 |

* Of the above quantity the mines in the Crown property produced 56,677 tons (Gaveller's Return).

Weardale Blast Furnace Statistics for 1880s
Weardale Iron Mines list in 1884, pub 1885

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MINES AND OPENWORKS.

[YEAR 1884.

LIST of OWNERS, MINES, and MANAGERS under the Metalliferous Mines Regulation Act, in DURHAM, WESTMORELAND, N.R. of YORKSHIRE, and Parts of CUMBERLAND and NORTHUMBERLAND, 1884—*cont.*

| Owner or Company and Postal Address. | Name of Mine. | Where situated. | Name of Manager or Agent. |
|--------------------------------------|---------------|-----------------|---------------------------|
|--------------------------------------|---------------|-----------------|---------------------------|

IRON ORE MINES.

DURHAM.

| | | | |
|--|------------------------|------------|----------------|
| Grieve, Thomas, Middleton-in-Teesdale. | Snaisgill (Standing) - | Weardale - | Thos. Grieve. |
| Hope, Alex. Cleveland Cottage, Middleton-in-Teesdale. | Dirt Pit - | Ditto - | Alex. Hope. |
| Weardale Iron and Coal Co., Ltd., Tudhoe, Spennymoor. | Foul Wood - | Ditto - | } T. Teasdale. |
| | Level Gate - | Ditto - | |
| | Middlethorpe - | Ditto - | |
| | Red Vein (Standing) - | Ditto - | |
| | Rowan Tree A. - | Ditto - | |
| | Side Head (Standing) | Ditto - | |

WHINSTONE MINES.

DURHAM.

| | | | |
|---|--------------------|------------------|----------------|
| Coates, Wm., 37, Half Moon Lane, Spennymoor. | Tudhoe Whinstone - | Tudhoe - | Wm. Coates. |
| Wooler, Chapman, & Co., Howden-le-Wear, Darlington. | Hargill - | Howden-le-Wear - | Thos. Liddell. |

YORKSHIRE.

| | | | |
|---|------------------------|---------------|-------------------|
| Bradley, M., Great Ayton, Northallerton. | Langbaugh - | Great Ayton - | Geo. Bradley. |
| Scholefield, Geo., Grosmont, York | Egton - | Grosmont - | Geo. Scholefield. |
| Waddington, G. W., 7, Royal Crescent, Whitby. | Grosmont - | Ditto - | Wm. Scholefield. |
| Winn, Wm., Great Ayton, Northallerton. | Cliffrigg and Slacks - | Great Ayton - | W. Winn. |

SLATE MINES.

WESTMORELAND.

| | | | |
|--|----------------------|------------|-------------------|
| Bowness, John, Elterwater, Ambleside. | Banks - | Langdale - | J. Bowness. |
| Elterwater Green Slate Co., Ltd., Ambleside. | Bayls Brown Quarry - | Ditto - | } Isaac Williams. |
| | Lords Quarry - | Ditto - | |
| | Thrang Crag - | Ditto - | |
| Robinson, John, Birch Hill, Elterwater, Ambleside. | Elterwater - | Ditto - | Standing. |
| Storey, John, Kentmere, Kendal | Fell Head - | Kentmere - | John Storey |
| Tyson, Wm., Elterwater, Ambleside | Cross Gaites - | Langdale - | } Standing. |
| | Scott Copy - | Ditto - | |

FLAG STONE MINES.

DURHAM.

| | | | |
|---|----------------------|-----------------------|-----------------|
| Alderson, Caleb, West Garth, Copley, Cockfield, Darlington. | Oak Bank - | Lynesack and Sofly - | C. Alderson. |
| Bates, John, 126, Newgate Street, Bishop Auckland. | Tunstal House - | Wolsingham Park - | J. Bates. |
| Burdess, George, Egglestone, Barnard Castle. | Hope House - | Middleton-in-Teesdale | G. Burdess. |
| Hurworth Bros., Barnard Castle | Shipley and Backston | Marwood - | Robt. Hurworth. |
| Simpson, Parker, Copley, Cockfield, Darlington. | Oak Bank - | Copley, Cockfield - | P. Simpson. |
| White, and Spencer, Marwood, Barnard Castle. | Marwood - | Barnard Castle - | Standing. |

MINES AND MINERALS.

MINING AND MINERAL STATISTICS

OF THE

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AND IRELAND,**

INCLUDING LISTS OF MINES AND MINERAL WORKS,

For the Year 1885.

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1886.

[C.—4771.] Price 2s. 9d.

Weardale Blast Furnace Statistics for 1880s
Weardale blast furnaces in 1885, pub 1886

YEAR 1885.]

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[IRON—PIG IRON.]

Blast Furnaces—*continued.*

| Name and Situation of Furnaces. | Owner. | Blast Furnaces. | |
|--|--|-----------------|------------------|
| | | Number. | In Blast. |
| DENBIGHSHIRE: | | | |
| Brymbo, <i>Brymbo</i> - - - | Brymbo Steel Co., Ltd. - - - | 3 | $\frac{1}{4}$ |
| Ffrwd, <i>Wrexham</i> - - - | James Sparrow & Son - - - | 2 | — |
| Buabon, <i>Ruabon</i> - - - | New British Iron Co., Ltd. - - - | 2 | 1 |
| Totals - - - - - | - - - - - | 7 | 1 $\frac{1}{4}$ |
| Total make of pig iron, including that of Flintshire, 40,261 tons. Total iron ore used 97,289 tons. Total coal used (including coal converted into coke), 127,535 tons. | | | |
| DERBYSHIRE: | | | |
| Alfreton, <i>Alfreton</i> - - - | James Oakes & Co. - - - | 3 | 3 |
| Butterley, <i>Alfreton</i> - - - | The Butterley Co. - - - | 5 | 2 |
| Clay Cross, <i>Chesterfield</i> - - - | The Clay Cross Co. - - - | 3 | 2 |
| Denby, <i>Derby</i> - - - | George Dawes - - - | 4 | 1 |
| Erewash Valley, <i>Ilkeston</i> - - - | Erewash Valley Iron Co., Ltd. - - - | 4 | — |
| Newbold, <i>Chesterfield</i> - - - | Newbold Coal and Iron Co. - - - | 1 | — |
| Renishaw, <i>Eckington</i> - - - | F. R. Appleby & Co. - - - | 2 | 2 |
| Sheepbridge, <i>Chesterfield</i> - - - | Sheepbridge Coal and Iron Co., Ltd. - - - | 8 | 3 $\frac{1}{2}$ |
| Stanton, <i>Nottingham</i> - - - | Stanton Iron Works Co., Ltd. - - - | 9 | 8 |
| Staveley, <i>Chesterfield</i> - - - | Staveley Coal and Iron Co., Ltd. - - - | 8 | 5 |
| West Hallam, <i>Ilkeston</i> - - - | West Hallam Coal and Iron Co. - - - | 1 | — |
| Wingerworth, <i>Chesterfield</i> - - - | Wingerworth Iron Co. - - - | 3 | 3 |
| Totals - - - - - | - - - - - | 51 | 29 $\frac{1}{2}$ |
| Total make of pig iron, 360,863 tons. Total iron ore used, 985,392 tons. Total coal used (including coal converted into coke), 852,850 tons. | | | |
| DURHAM: | | | |
| Carlton, <i>Stockton-on-Tees</i> - - - | Carlton Iron Co., Ltd. - - - | 3 | 2 |
| Clarence, <i>Middlesbrough-on-Tees</i> - - - | Bell Brothers, Ltd. - - - | 12 | 9 |
| Consett, <i>Blackhill, Durham</i> - - - | Consett Iron Co., Ltd. - - - | 7 | 5 $\frac{1}{2}$ |
| Ferry Hill, <i>Ferry Hill</i> - - - | John Rogerson - - - | 8 | — |
| Jarrow, <i>Jarrow-on-Tyne</i> - - - | Palmer's Shipbuilding and Iron Co., Ltd. - - - | 4 | 3 |
| Middleton, <i>Darlington</i> - - - | Executors of the late George Wythes - - - | 4 | — |
| Norton, <i>Stockton-on-Tees</i> - - - | Norton Iron Co., Ltd. - - - | 3 | — |
| Seaton Carew, <i>West Hartlepool</i> - - - | Seaton Carew Iron Co., Ltd. - - - | 3 | 2 |
| Stockton, <i>North Shore</i> - - - | Stockton Iron Furnace Co. - - - | 3 | — |
| Tees Bridge, <i>Stockton-on-Tees</i> - - - | Tees Bridge Iron Co., Ltd. - - - | 3 | 2 |
| Towlaw, <i>Darlington</i> - - - | Weardale Iron and Coal Co., Ltd. - - - | 4 | 1 |
| Tudhoe, <i>Spenny Moor</i> - - - | Ditto ditto - - - | 2 | 2 |
| Vane, <i>Seaham</i> - - - | Watson, Kipling, & Co., Ltd. - - - | 2 | — |
| Witton Park, <i>Bishop Auckland</i> - - - | Bolckow, Vaughan, & Co., Ltd. - - - | 2 | — |
| Totals - - - - - | - - - - - | 60 | 26 $\frac{1}{2}$ |
| Total make of pig iron, including Northumberland, 730,010 tons. Total iron ore used, 1,785,860 tons. Total coal used (including coal converted in coke), 1,420,225 tons. | | | |
| FLINTSHIRE: | | | |
| Mostyn, <i>Mostyn</i> - - - | Mostyn Coal and Iron Co., Ltd. - - - | 3 | 3 |
| The make of pig iron, and the quantity of iron ore and coal used are included in the figures for Denbighshire. | | | |

Weardale Blast Furnace Statistics for 1880s

Weardale Bessemer Converters in 1885, pub 1886

IRON—STEEL MANUFACTURE.]

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[YEAR 1885.

GENERAL SUMMARY OF IRON MILLS and FORGES in OPERATION in GREAT BRITAIN.

| County. | Number of Works. | Number of Puddling Furnaces. | Number of Rolling Mills. |
|--|------------------|------------------------------|--------------------------|
| ENGLAND AND WALES : | | | |
| Cheshire - - - - - | 2 | 21 | 11 |
| Cumberland - - - - - | 3 | 18 | 5 |
| Denbighshire - - - - - | 3 | 19 | 7 |
| Derbyshire - - - - - | 4 | 65 | 13½ |
| Durham - - - - - | 15 | 438 | 53½ |
| Glamorganshire - - - - - | 10 | 192 | 41 |
| Gloucestershire - - - - - | — | — | — |
| Lancashire - - - - - | 17 | 301 | 62 |
| Monmouthshire - - - - - | 8 | 56 | 38 |
| Northamptonshire - - - - - | 1 | 5 | 1 |
| Northumberland - - - - - | — | — | — |
| Nottinghamshire - - - - - | 1 | 11 | 2 |
| Shropshire - - - - - | 9 | 133 | 22 |
| Somersetshire - - - - - | 1 | 10 | 4 |
| Staffordshire, North - - - - - | 9 | 356 | 33 |
| Staffordshire, South - - - - - | 88 | 1,166 | 242 |
| Worcestershire - - - - - | 10 | 145 | 36 |
| Yorkshire, North Riding - - - - - | 12 | 259 | 35 |
| Yorkshire, West Riding - - - - - | 24 | 382 | 117 |
| SCOTLAND : | | | |
| Lanarkshire - - - - - | 21 | 299 | 79 |
| Totals in Great Britain for 1885 - - - - - | 238 | 3,876 | 801½ |
| Totals for 1884 - - - - - | 259 | 4,577 | 875 |

Iron—Steel Manufacture.

BESSEMER STEEL WORKS in GREAT BRITAIN.

| Name and Situation of Works. | Owner. | Converters. | |
|---------------------------------------|---|-------------|----------------|
| | | Number. | Capacity. |
| ENGLAND AND WALES. | | | |
| CHESHIRE: | | | |
| Crewe, Crewe - - - - - | London and North Western Railway Co. | 4 | Tons. cwt. 5 0 |
| CUMBERLAND : | | | |
| Derwent, Workington - - - - - | Charles, Cammell, & Co., Ltd. - - - - - | 4 | 9 0 |
| Moss Bay, Workington - - - - - | Moss Bay Hæmatite Iron and Steel Co. - - - - - | 3 | 7 0 |
| West Cumberland, Workington - - - - - | West Cumberland Iron and Steel Co. - - - - - | 4 | 8 0 |
| Total - - - - - | - - - - - | 11 | — — |
| DURHAM : | | | |
| Albert Hill, Darlington - - - - - | Darlington Steel and Iron Co., Ltd. - - - - - | 2 | 6 10 |
| Tudhoe, Spennymoor - - - - - | Weardale Iron and Coal Co., Ltd. - - - - - | 4 | 2 10 |
| Total - - - - - | - - - - - | 6 | — — |
| LANCASHIRE : | | | |
| Barrow, Barrow-in-Furness - - - - - | Barrow Hæmatite Steel Co., Ltd. - - - - - | 8 | 8 0 |
| Bolton, Bolton - - - - - | Bolton Iron and Steel Co., Ltd. - - - - - | 2 | 5 0 |
| Carnforth, Carnforth - - - - - | Carnforth Hæmatite Iron Co., Ltd. - - - - - | 2 | 6 0 |
| Gorton, Manchester - - - - - | Manchester, Sheffield, and Lincolnshire Railway Co. - - - - - | 2 | 3 10 |
| Vulcan, Barrow-in-Furness - - - - - | Vulcan Steel and Forge Co., Ltd. - - - - - | 2 | 5 0 |
| Total - - - - - | - - - - - | 16 | — — |

Iron—Mills and Forges.

MILLS and FORGES in OPERATION in GREAT BRITAIN.

| Name and Situation of Works. | Owner. | Puddling Furnaces. | Rolling Mills. |
|---|--|--------------------|----------------|
| ENGLAND AND WALES: | | | |
| CHESHIRE: | | | |
| Crewe, Crewe - - - - - | London and North-Western Railway Co. | No. — | No. 8 |
| Wheelock, Sandbach - - - - - | Wheelock Iron and Salt Co., Ltd. | 21 | 3 |
| Totals - - - - - | - - - - - | 21 | 11 |
| CUMBERLAND: | | | |
| Derwent Rolling Mills, Workington - - - - - | The Moss Bay Hæmatite Iron and Steel Co., Ltd. | — | — |
| Ellen Rolling Mills, Maryport - - - - - | Kirk Brothers & Co. - - - - - | — | — |
| Marsh Side, Workington - - - - - | Ditto - - - - - | 5 | 1 |
| Moss Bay, Workington - - - - - | Moss Bay Hæmetite Iron and Steel Co., Ltd. | — | 2 |
| New Yard, Workington - - - - - | Kirk Brothers & Co. - - - - - | 13 | 2 |
| Totals - - - - - | - - - - - | 18 | 5 |
| DENBIGHSHIRE: | | | |
| Broughton Hall, Wrexham - - - - - | Broughton Hall Iron Co. - - - - - | 5 | 2 |
| Brymbo, Wrexham - - - - - | Brymbo Steel Co., Ltd. - - - - - | — | 1 |
| Pontysyllte, Ruabon - - - - - | Unoccupied - - - - - | — | — |
| Ruabon, Ruabon - - - - - | New British Iron Co., Ltd. - - - - - | 14 | 4 |
| Stansty, Wrexham - - - - - | George Hartshorne - - - - - | — | — |
| Totals - - - - - | - - - - - | 19 | 7 |
| DERBYSHIRE: | | | |
| Butterley, Alfreton - - - - - | The Butterley Co. - - - - - | 12 | 6 |
| Sheepbridge, Chesterfield - - - - - | Sheepbridge Coal and Iron Co., Ltd. - - - - - | 13 | 3½ |
| Victoria and Railway, Derby - - - - - | Eastwood, Swingler, & Co. - - - - - | 35 | 3 |
| Whittington, Chesterfield - - - - - | Thomas Firth and Sons, Ltd. - - - - - | 5 | 1 |
| Totals - - - - - | - - - - - | 65 | 13½ |
| DURHAM: | | | |
| Albert Hill, Darlington - - - - - | Darlington Steel and Iron Co., Ltd. - - - - - | 4 | 4 |
| Auckland, Bishop Auckland - - - - - | Bishop Auckland Iron and Steel Co., Ltd. | — | — |
| Blaydon, Blaydon-on-Tyne - - - - - | Eltringham and Raine - - - - - | — | 1 |
| Bowesfield, Stockton-on-Tees - - - - - | Bowesfield Iron Co., Ltd. - - - - - | 34 | 2 |
| Carr House, West Hartlepool - - - - - | Unoccupied - - - - - | — | — |
| Consett, Blackhill, Durham - - - - - | Consett Iron Co., Ltd. - - - - - | 85 | 5½ |
| Gateshead, Gateshead - - - - - | George and Edmond Crawshay - - - - - | 28 | 4 |
| Hartlepool, Hartlepool - - - - - | Hartlepool Rolling Mills Co., Ltd. - - - - - | — | — |
| Hive, East Jarrow - - - - - | John Elliot and Sons - - - - - | — | — |
| Jarrow, Jarrow-on-Tyne - - - - - | Palmer's Shipbuilding and Iron Co., Ltd. | 30 | 7 |
| Monkwearmouth, Sunderland - - - - - | Samuel Tyzack & Co. - - - - - | 13 | 3 |
| Moor, Stockton-on-Tees - - - - - | Moor Steel and Iron Co., Ltd. - - - - - | 31 | 2 |
| Park, Gateshead-on-Tyne - - - - - | John Abbott & Co., Ltd. - - - - - | 19 | 3 |
| Richmond, Stockton-on-Tees - - - - - | Richmond Ironworks Co. - - - - - | — | — |
| Rise Carr Rolling Mills, Darlington - - - - - | Fry, Janson, & Co. - - - - - | 24 | 5 |
| Skerne, Darlington - - - - - | Skerne Iron Works Co., Ltd. - - - - - | — | — |
| South Hylton, South Hylton - - - - - | Robert Richards - - - - - | — | — |
| Spennymoor, Spennymoor - - - - - | M. Coulson & Co. - - - - - | 6 | 1 |
| Springfield, Darlington - - - - - | Darlington Steel and Iron Co., Ltd. - - - - - | — | — |
| Stockton, Stockton-on-Tees - - - - - | Stockton Malleable Iron Co., Ltd. - - - - - | 58 | 4 |
| Stranton, West Hartlepool - - - - - | Unoccupied - - - - - | — | — |
| Tudhoe, Spennymoor - - - - - | Weardale Iron and Coal Co., Ltd. - - - - - | 18 | 5 |
| West Stockton, Stockton-on-Tees - - - - - | Owners of West Stockton Ironworks - - - - - | 52 | 5 |
| West Hartlepool, West Hartlepool - - - - - | The Owners of West Hartlepool Iron Works. | 36 | 2 |
| Witton Park, Stockton-on-Tees - - - - - | Bolckow, Vaughan, & Co., Ltd. - - - - - | — | — |
| Totals - - - - - | - - - - - | 438 | 53½ |

Weardale Blast Furnace Statistics for 1880s

Durham iron ore record (p.47) in 1885, pub 1886

YEAR 1885.]

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[IRON ORE.]

IRON ORE AND IRONSTONE--continued.

| Mine or Openwork. | Where situated. | Owner. | Quantity. | Average per-centage of Iron obtainable. | Value of the Ore at the Mine or Openwork. |
|-------------------------------|-----------------|---|-----------|---|---|
| | | | Tons. | | £ |
| DEVONSHIRE: | | | | | |
| Bampfylde - B.H. | North Molton | North Devon Mining Co., Ltd. | — | — | — |
| Molland - " | Molland | Molland Mining Co. | 1,608 | — | 402 |
| New Florence - " | North Molton | New Florence Mining Co., Ltd. | 300 | — | 120 |
| Kelley - " | Lustleigh | W. H. Hosking | 20 | — | 40 |
| Stowford - " | North Molton | North Devon Mining Co., Ltd. | — | — | — |
| Totals | | | 1,928 | 50 | 562 |
| DURHAM: | | | | | |
| Carricks S. & S.H. | Weardale | Weardale Iron and Coal Co., Ltd. | 21 | } | 10,002 |
| Levelgate - " | Ditto | Ditto | 1,369 | | |
| Middlehope - " | Ditto | Ditto | 5,339 | | |
| Rowan Tree A. - " | Ditto | Ditto | 19,943 | | |
| Snaisgill - " | Middleton | Thomas Grieve | — | | |
| Weardale Iron Stone Workings. | Weardale | Weardale Iron and Coal Co., Ltd. | 13,105 | | 4,913 |
| Totals | | | 39,777 | 30 | 14,915 |
| GLAMORGANSHIRE: | | | | | |
| Garth - B.H. | Pentyrch | Cardiff Iron and Tin-plate Co., Ltd. | — | — | — |
| Mwyndy - " | Llantrissant | Mwyndy Iron Ore Co., Ltd. | — | — | — |
| Trecastle - " | Llanharry | Ditto | 1,601 | 46 | 560 |
| Totals | | | 1,601 | 46 | 560 |
| GLOUCESTERSHIRE: | | | | | |
| FOREST OF DEAN. B.H. | | | | | |
| Bobs Quarry | Aylburton | James James | — | — | — |
| Bow Pit | Perry Grove | R. Watkins | — | — | — |
| Bream Grove | Lydney | J. W. Blanch and W. Wood | — | — | — |
| Buckshaft | Cinderford | Henry Crawshay & Co. | 13,440 | — | — |
| China | Bream | Ditto and Sons | 6,679 | — | — |
| Crows Nest | Newland | Richard Watkins | 602 | — | — |
| Dun Pit | Coleford | Ditto | 1,788 | — | — |
| Dun Pit | Ditto | Henry Crawshay and Sons | — | — | — |
| Easter | Ditto | Trevor Powell and others | 133 | — | — |
| Edge Hill | Mitcheldean | Dowlais Iron Co. | 12,484 | — | — |
| Highmeadow | Highmeadow | Highmeadow Iron Ore Co. | 297 | — | — |
| Kingsmoor | Bream | J. E. Wyndham | — | — | — |
| Lambsquay | Coleford | W. H. Fryer | — | — | — |
| Limekiln Pool | Ditto | Lydbrook Iron Mines Co. | 28 | — | — |
| Lydbrook | Ditto | Ditto | | | |
| New Dun Pit | Ditto | Richard Watkins | — | — | — |
| Noxon Park | Noxon | George Jarrett & Co. | 321 | — | — |
| Oak Pit | Coleford | Goodrich Langham | 45 | — | — |
| Oakwood Deep Level | Bream | Oakwood Iron Co. | — | — | — |
| Oakwood Level | Ditto | Walter Hoare | — | — | — |
| Old Ham Pit | Coleford | W. H. Fryer | 44 | — | — |
| Old Sling Pit | Ditto | Ditto | 2,947 | — | — |
| Park | Lydney | John Yorke, Jarrett | 4,249 | — | — |
| Park Hill | Bream | Henry Crawshay and Sons | — | — | — |
| Perseverance | East Dean | Ditto ditto | 1,525 | — | — |
| Saint Annalls | Cinderford | Henry Crawshay & Co. | — | — | — |
| South Oakwood | Bream | Oakwood Iron Co. | — | — | — |
| Wigpool | Mitcheldean | The Lydney and Wigpool Iron Ore Co., Ltd. | 228 | — | — |
| Yew Tree | Bream | John Shingles | 315 | — | — |
| Totals | | | *45,125 | 44 | 22,562 |

* Of the above quantity the mines in the Crown property produced 35,249 tons (Gaveller's Return).

Weardale Blast Furnace Statistics for 1880s
Weardale Iron Mines list in 1885, pub 1886

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MINES AND OPENWORKS.

[YEAR 1885.]

LIST of OWNERS, MINES, and MANAGERS under the Metalliferous Mines Regulation Act, in DURHAM, WESTMORELAND, N.R. of YORKSHIRE, and Parts of CUMBERLAND and NORTHUMBERLAND, 1885—*cont.*

| Owner or Company and Postal Address. | Name of Mine. | Where situated. | Name of Manager or Agent. |
|--------------------------------------|---------------|-----------------|---------------------------|
|--------------------------------------|---------------|-----------------|---------------------------|

IRON ORE MINES.

DURHAM.

| | | | |
|--|----------------------|----------|--------------|
| Hope, Alex. Cleveland Cottage, Middleton-in-Teesdale. | Dirt Pit | Weardale | Alex. Hope. |
| Weardale Iron and Coal Co., Ltd., Tudhoe, Spennymoor. | Foul Wood | Ditto | T. Teasdale. |
| | Carricks | Ditto | |
| | Level Gate | Ditto | |
| | Middlehope | Ditto | |
| | Red Vein (Standing) | Ditto | |
| | Rowan Tree A. | Ditto | |
| | Side Head (Standing) | Ditto | |

WHINSTONE MINES.

DURHAM.

| | | | |
|---|------------------|----------------|----------------|
| Coates, Wm., 37, Half Moon Lane, Spennymoor. | Tudhoe Whinstone | Tudhoe | Wm. Coates. |
| Wooler, Chapman, & Co., Howden-le-Wear, Darlington. | Hargill | Howden-le-Wear | Thos. Liddell. |

YORKSHIRE.

| | | | |
|--|-----------------------|-------------|-------------------|
| Bradley, M., Great Ayton, Northallerton. | Langbaurgh | Great Ayton | Geo. Bradley. |
| Scholefield, Geo., Grosmont, York | Egton | Grosmont | Geo. Scholefield. |
| Waddington, G. W., 26, Bagdale, Whitby. | Grosmont | Ditto | Wm. Scholefield. |
| Winn, Wm., Great Ayton, Northallerton. | Cliffriigg and Slacks | Great Ayton | W. Winn. |

SLATE MINES.

WESTMORELAND.

| | | | |
|--|-----------------------------------|-----------|-----------------|
| Bowness, John, Elterwater, Ambleside. | Banks | Langdale | J. Bowness. |
| Elterwater Green Slate Co., Ltd., Ambleside. | Bayes Brown Quarry | Ditto | Isaac Williams. |
| | Lords Quarry | Ditto | |
| | Thrang Crag | Ditto | |
| | Spout Crag | Ditto | |
| | Colthowe | Ditto | |
| Robinson, John, Birch Hill, Elterwater, Ambleside. | Elterwater | Ditto | Standing. |
| Storey, John, Kentmere, Kendal | Fell Head | Kentmere | John Storey. |
| Troutbeek Park Green Slate Co., Ltd., Windermere. | Troutbeek Park Green State Works. | Troutbeek | F. Croft. |
| Tyson, Wm., Elterwater, Ambleside | Cross Gaites | Langdale | Standing. |
| | Scott Copy | Ditto | |

FLAG STONE MINES.

DURHAM.

| | | | |
|---|-------------------------|-----------------------|-----------------|
| Alderson, Caleb, West Garth, Copley, Cockfield, Darlington. | Oakbank | Lynesack and Softly | C. Alderson. |
| Bates, John, 126, Newgate Street, Bishop Auckland. | Buston Bank | Wolsingham Park | J. Bates. |
| Burdess, George, Egglestone, Barnard Castle. | Hope House | Middleton-in-Teesdale | G. Burdess. |
| Hurworth Bros., Barnard Castle | Shipleigh and Backstone | Marwood | Robt. Hurworth. |
| Simpson, Parker, Copley, Cockfield, Darlington. | Oak Bank | Copley, Cockfield | P. Simpson. |
| White, and Spencer, Marwood, Barnard Castle. | Marwood | Barnard Castle | Standing. |

MINES AND MINERALS.

MINING AND MINERAL STATISTICS

OF THE

**UNITED KINGDOM OF GREAT BRITAIN
AND IRELAND,**

INCLUDING LISTS OF MINES AND MINERAL WORKS,

For the Year 1886.

AND A LIST OF PLANS OF ABANDONED MINES.

PREPARED BY HER MAJESTY'S INSPECTORS OF MINES

By direction of the Secretary of State for the Home Department.

Presented to both Houses of Parliament by Command of Her Majesty.



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HODGES, FIGGIS, & Co., 104, GRAFTON STREET, DUBLIN.

1887.

[C.—5132.] *Price 3s. 7d.*

Weardale Blast Furnace Statistics for 1880s
Weardale blast furnaces in 1886, pub 1887

YEAR 1886.]

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[IRON—PIG IRON.

Blast Furnaces—continued.

| Name and Situation of Furnaces. | Owner. | Blast Furnaces. | |
|--|--|-----------------|------------------|
| | | Number. | In Blast. |
| DENBIGHSHIRE: | | | |
| Brymbo, <i>Brymbo</i> - - - | Brymbo Steel Co., Ltd. - - - | 3 | 1 |
| Ffrwd, <i>Wreaham</i> - - - | James Sparrow & Son - - - | 2 | — |
| Ruabon, <i>Ruabon</i> - - - | New British Iron Co., Ltd. - - - | 2 | $\frac{1}{2}$ |
| Totals - - - | - - - | 7 | $1\frac{1}{2}$ |
| Total make of pig iron, including that of Flintshire, 35,318 tons. Total iron ore used 89,289 tons. Total coal used (including coal converted into coke), 114,081 tons. | | | |
| DERBYSHIRE: | | | |
| Alfreton, <i>Riddings, Alfreton</i> - - - | James Oakes & Co. - - - | 3 | 3 |
| Butterley, <i>Alfreton</i> - - - | The Butterley Co. - - - | 5 | 1 |
| Clay Cross, <i>Chesterfield</i> - - - | The Clay Cross Co. - - - | 3 | 2 |
| Denby, <i>Derby</i> - - - | George Dawes - - - | 4 | 1 |
| Erewash Valley, <i>Ilkeston</i> - - - | Erewash Valley Iron Co., Ltd. - - - | 4 | — |
| Renishaw, <i>Eckington</i> - - - | F. R. Appleby & Co. - - - | 2 | 2 |
| Sheepbridge, <i>Chesterfield</i> - - - | Sheepbridge Coal and Iron Co., Ltd. - - - | 8 | 2 $\frac{1}{2}$ |
| Stanton, <i>Nottingham</i> - - - | Stanton Iron Works Co., Ltd. - - - | 9 | 6 |
| Staveley, <i>Chesterfield</i> - - - | Staveley Coal and Iron Co., Ltd. - - - | 6 | 4 $\frac{1}{2}$ |
| West Hallam, <i>Ilkeston</i> - - - | West Hallam Coal and Iron Co. - - - | 1 | — |
| Wingerworth, <i>Chesterfield</i> - - - | Wingerworth Iron Co. - - - | 3 | 2 $\frac{1}{2}$ |
| Totals - - - | - - - | 48 | 24 $\frac{1}{2}$ |
| Total make of pig iron, 296,213 tons. Total iron ore used, 846,324 tons. Total coal used (including coal converted into coke), 703,063 tons. | | | |
| DURHAM: | | | |
| Carlton, <i>Stockton-on-Tees</i> - - - | Carlton Iron Co., Ltd. - - - | 3 | 2 |
| Clarence, <i>Middlesbrough-on-Tees</i> - - - | Bell Brothers, Ltd. - - - | 12 | 8 $\frac{1}{2}$ |
| Consett, <i>Blackhill, Durham</i> - - - | Consett Iron Co., Ltd. - - - | 7 | 5 $\frac{1}{2}$ |
| Ferry Hill, <i>Ferry Hill</i> - - - | John Rogerson - - - | 8 | — |
| Jarrow, <i>Jarrow-on-Tyne</i> - - - | Palmer's Shipbuilding and Iron Co., Ltd. - - - | 4 | 3 $\frac{1}{2}$ |
| Middleton, <i>Darlington</i> - - - | Executors of the late George Wythes - - - | 4 | — |
| Norton, <i>Stockton-on-Tees</i> - - - | Norton Iron Co., Ltd. - - - | 3 | — |
| Seaton Carew, <i>West Hartlepool</i> - - - | Seaton Carew Iron Co., Ltd. - - - | 3 | 2 |
| Stockton, <i>North Shore</i> - - - | Stockton Iron Furnace Co. - - - | 3 | — |
| Tees Bridge, <i>Stockton-on-Tees</i> - - - | Tees Bridge Iron Co., Ltd. - - - | 3 | 2 |
| Towlaw, <i>Darlington</i> - - - | Weardale Iron and Coal Co., Ltd. - - - | 4 | 1 |
| Tudhoe, <i>Spennymoor</i> - - - | Ditto ditto - - - | 2 | 2 |
| Vane, <i>Seaham Harbour</i> - - - | Watson, Kipling, & Co., Ltd. - - - | 2 | — |
| Witton Park, <i>Bishop Auckland</i> - - - | Bolckow, Vaughan, & Co., Ltd. - - - | 2 | — |
| Totals - - - | - - - | 60 | 26 $\frac{1}{2}$ |
| Total make of pig iron, including that of Northumberland, 700,836 tons. Total iron ore used, 1,802,235 tons. Total coal used (including coal converted in coke), 1,353,729 tons. | | | |
| FLINTSHIRE: | | | |
| Mostyn, <i>Mostyn</i> - - - | Mostyn Coal and Iron Co. - - - | 3 | 3 |
| The make of pig iron, and the quantity of iron ore and coal used, are included in the figures for Denbighshire. | | | |

Weardale Blast Furnace Statistics for 1880s

Weardale Bessemer Converters in 1886, pub 1887

YEAR 1886.]

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[IRON—STEEL MANUFACTURE.]

Iron—Steel Manufacture (exclusive of Crucible Steel).

BESSEMER STEEL WORKS in GREAT BRITAIN.

| Name and Situation of Works. | Owner. | Converters. | |
|--|---|-------------|--------------------|
| | | Number. | Capacity. |
| ENGLAND AND WALES. | | | |
| CHESHIRE: | | | |
| Crewe, Crewe | London and North Western Railway Co. | 4 | Tons. cwts. 5 0 |
| CUMBERLAND: | | | |
| Derwent, Workington | Charles Cammell, & Co., Ltd. | 4 | 9 0 |
| Moss Bay, Workington | Moss Bay Haematite Iron and Steel Co. | 3 | 7 0 |
| West Cumberland, Workington | West Cumberland Iron and Steel Co. | 4 | 8 0 |
| Total | | 11 | — — |
| DURHAM: | | | |
| Albert Hill, Darlington | Darlington Steel and Iron Co., Ltd. | 2 | 6 10 |
| GLAMORGANSHIRE: | | | |
| Cyfarthfa, Merthyr Tydfil | Crawshay Brothers | 2 | 10 0 |
| Dowlais, Dowlais | Dowlais Iron Co. | 4 2 | 8 0 6 0 |
| Total | | 8 | — — |
| LANCASHIRE: | | | |
| Barrow, Barrow-in-Furness | Barrow Haematite Steel Co., Ltd. | 8 | 8 0 |
| Bolton, Bolton | Bolton Iron and Steel Co., Ltd. | 2 | 5 0 |
| Carnforth, Carnforth | Carnforth Haematite Iron Co., Ltd. | 2 | 6 0 |
| Gorton, Manchester * | Manchester, Sheffield, and Lincolnshire Railway Co. | — | — |
| Vulcan, Barrow-in-Furness | Vulcan Steel and Forge Co., Ltd. | 2 | 5 0 |
| Total | | 14 | — — |
| MONMOUTHSHIRE: | | | |
| Blaenavon, Pontypool | Blaenavon Iron and Steel Co. | 2 | 8 0 |
| Ebbw Vale, Ebbw Vale | Ebbw Vale Steel, Iron, and Coal Co., Ltd. | 4 2 | 6 0 8 0 |
| Rhymney, Rhymney | Rhymney Iron Co., Ltd. | 5 | 8 0 |
| Tredegar, Tredegar | Tredegar Iron and Coal Co., Ltd. | 2 | 8 0 |
| Total | | 15 | — — |
| SHROPSHIRE: | | | |
| Castle, Wellington | Nettlefolds, Ltd. | 2 | 2 0 |
| Priors Lee Hall, Shifnall | Lilleshall Co., Ltd. | 2 | 6 0 |
| Total | | 4 | — — |
| STAFFORDSHIRE, SOUTH: | | | |
| Monway, Wednesbury | Patent Shaft and Axletree Co., Ltd. | 2 | 5 0 |
| YORKSHIRE, NORTH RIDING (Cleveland): | | | |
| Cleveland, North Middlesbrough | Bolekow, Vaughan, & Co., Ltd. | 4 | 8 0 |
| Erimus, South Stockton-on-Tees | C. F. H. Bolekow | 2 | 7 0 |
| North Eastern, Middlesbrough | North Eastern Steel Co., Ltd. | 4 | 10 0 |
| Total | | 10 | — — |

* Works closed.

K 2

Weardale Open-hearth Steel Works in 1886, pub 1887

YEAR 1886.]

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[IRON—STEEL MANUFACTURE.

Open-hearth Steel Works in the United Kingdom—*continued.*

| Name and Situation of Works. | Owner. | Number of Furnaces erected. | Number of Furnaces building. | Total. |
|---------------------------------------|--|-----------------------------|------------------------------|--------|
| DURHAM: | | | | |
| Consett, Blackhill | Consett Iron Co., Ltd. | 8 | — | 21 |
| Jarrow, Jarrow-on-Tyne | Palmer's Shipbuilding & Iron Co., Ltd. | 4 | — | |
| Moor, Stockton-on-Tees | Moor Steel and Iron Co., Ltd. | 4 | — | |
| Tudhoe, Spennymoor | Weardale Iron and Coal Co., Ltd. | 5 | — | |
| GLAMORGANSHIRE: | | | | |
| Birchgrove, Swansea | Birchgrove Steel Co., Ltd. | 5 | — | 48 |
| Cwmfelin, Swansea | Cwmfelin Tinplate Co. | 2 | 1 | |
| Dowlais, Dowlais | Dowlais Iron Co. | 6 | — | |
| Elba, Swansea | Wright, Butler, & Co. | 10 | — | |
| *Landore, Swansea | Landore Siemens Steel Co., Ltd. | 20 | — | |
| Melyn, Neath | Leach, Flower, & Co., Ltd. | 2 | — | |
| Swansea, Swansea | Swansea Tinplate Co. | 2 | — | |
| LANCASHIRE: | | | | |
| Barrow, Barrow | Barrow Haematite Steel Co., Ltd. | 4 | — | 18 |
| Bolton, Bolton | Bolton Iron and Steel Co., Ltd. | 5 | — | |
| †Gibraltar, Manchester | Railway Steel and Plant Co., Ltd. | 2 | — | |
| Openshaw, do. | Sir Joseph Whitworth & Co., Ltd. | 4 | — | |
| Salford, do. | P. R. Jackson & Co. | 2 | — | |
| Sankey, Warrington | W. D. Houghton | 1 | — | |
| MONMOUTHSHIRE: | | | | |
| Panteg, Pontypool | Panteg Steel Co. | 13 | — | 14 |
| Pontyminster, Newport | White and Challingsworth | 1 | — | |
| NORTHUMBERLAND: | | | | |
| Elswick, Newcastle-on-Tyne | Sir W. G. Armstrong, Mitchell, & Co., Ltd. | 3 | — | 6 |
| Newburn, ditto | John Spencer and Sons | 3 | — | |
| STAFFORDSHIRE (SOUTH): | | | | |
| Bromford, Erdington | Abel, Rollason, and Sons | 1 | — | 6 |
| Corngreaves, Birmingham | New British Iron Co., Ltd. | 1 | — | |
| Monway, Wednesbury | Patent Shaft and Axle Tree Co., Ltd. | 4 | — | |
| SURREY: | | | | |
| †H. P. Steel Works, Wandsworth Road. | H.P. Horse Nail Co., Ltd. | 1 | — | 1 |
| YORKSHIRE, NORTH RIDING, | | | | |
| <i>Cleveland:</i> | | | | |
| Cleveland, South Bank, Middlesbrough. | Bolckow, Vaughan, & Co., Ltd. | 6 | — | 11 |
| Eston, Middlesbrough | Ditto | 2 | 2 | |
| Roseberry, Middlesbrough | Butler Brothers | 1 | — | |
| YORKSHIRE, WEST RIDING: | | | | |
| †Albion, Sheffield | Albion Steel and Wire Co. | 2 | — | 36 |
| Atlas, ditto | Sir John Brown & Co., Ltd. | 2 | — | |
| Bowling, Bowling | Bowling Iron Co., Ltd. | 2 | — | |
| Clarence, Leeds | Taylor Brothers & Co. | 1 | — | |
| Clyde, Sheffield | Osborne & Co., Ltd. | 2 | — | |
| Don, ditto | Vickers, Sons, & Co., Ltd. | 10 | — | |
| Grimesthorpe, Sheffield | Charles Cammell & Co., Ltd. | 9 | — | |
| Leeds, Leeds | Leeds Forge Co., Ltd. | 2 | — | |
| Monk Bridge, Leeds | Monk Bridge Iron Co. | 2 | — | |
| Norfolk, Sheffield | Thomas Firth and Sons, Ltd. | 3 | — | |
| Sheffield, Sheffield | Brown, Bayley, Dixon, & Co., Ltd. | 1 | — | |
| SCOTLAND: | | | | |
| Blochairn | Steel Co. of Scotland, Ltd. | 13 | — | 68 |
| Dalzell, Motherwell | David Colville | 13 | — | |
| †Excelsior, Wishaw | John Williams & Co. | 3 | — | |
| †Glasgow, Glasgow | William Wylie & Co., Ltd. | 1 | — | |
| †Govan, Glasgow | Govan Forge and Steel Co., Ltd. | 20 | — | |
| Hallside, Newton, Glasgow | Steel Co. of Scotland, Ltd. | 1 | — | |
| Mossend, Holytown | Mossend Iron Co. | 10 | — | |
| Parkhead, Glasgow | I. and W. Beardmore | 7 | — | |
| Totals | | 247 | 3 | |

* At these works the number of furnaces is diminishing, but the productive capacity of each furnace is being considerably increased, as two of the old furnaces are being replaced by a new furnace capable of melting charges from three to four times heavier than before.

† Not working.

Iron—Mills and Forges.

MILLS and FORGES in GREAT BRITAIN.

| Name and Situation of Works. | Owner. | Puddling Furnaces. | Rolling Mills. |
|---|---|--------------------|----------------|
| ENGLAND AND WALES: | | | |
| CHESHIRE: | | | |
| Crewe, Crewe - - - - - | London and North-Western Railway Co. | No. | No. |
| Wheelock, Sandbach - - - - - | Wheelock Iron and Salt Co., Ltd. | — | — |
| Total in operation - - - - - | - - - - - | 21 | 12 |
| CUMBERLAND: | | | |
| Derwent Rolling Mills, Workington - - - - - | The Moss Bay Hæmatite Iron and Steel Co., Ltd. | — | — |
| Ellen Rolling Mills, Maryport - - - - - | Kirk Brothers & Co. - - - - - | — | — |
| Marsh Side, Workington - - - - - | Ditto - - - - - | — | — |
| Moss Bay, Workington - - - - - | Moss Bay Hæmatite Iron and Steel Co., Ltd. | — | — |
| New Yard, Workington - - - - - | Kirk Brothers & Co. - - - - - | — | — |
| West Cumberland, Workington - - - - - | West Cumberland Iron and Steel Co., Ltd. | — | — |
| Total in operation - - - - - | - - - - - | 11 | 8 |
| DENBIGHSHIRE: | | | |
| Broughton Hall, Wrexham - - - - - | Broughton Hall Iron Co. - - - - - | — | — |
| Brymbo, Wrexham - - - - - | Brymbo Steel Co., Ltd. - - - - - | — | — |
| Pontysyllte, Ruabon - - - - - | Unoccupied - - - - - | — | — |
| Ruabon, Ruabon - - - - - | New British Iron Co., Ltd. - - - - - | — | — |
| Stansty, Wrexham - - - - - | George Hartshorne - - - - - | — | — |
| Total in operation - - - - - | - - - - - | 15 | 4 |
| DERBYSHIRE: | | | |
| Butterley, Alfreton - - - - - | The Butterley Co. - - - - - | — | — |
| Sheepbridge, Chesterfield - - - - - | Sheepbridge Coal and Iron Co., Ltd. - - - - - | — | — |
| Victoria and Railway, Derby - - - - - | Eastwood, Swingler, & Co., Ltd. - - - - - | — | — |
| Whittington, Chesterfield - - - - - | Thomas Firth and Sons, Ltd. - - - - - | — | — |
| Total in operation - - - - - | - - - - - | 51 | 14 |
| DURHAM: | | | |
| Albert Hill, Darlington - - - - - | Darlington Steel and Iron Co., Ltd. - - - - - | — | — |
| Auckland, Bishop Auckland - - - - - | Bishop Auckland Iron and Steel Co., Ltd. - - - - - | — | — |
| Blaydon, Blaydon-on-Tyne - - - - - | Eltringham and Raine - - - - - | — | — |
| Bowesfield, Stockton-on-Tees - - - - - | Bowesfield Iron Co., Ltd. - - - - - | — | — |
| Carr House, West Hartlepool - - - - - | Unoccupied - - - - - | — | — |
| Consett, Blackhill, Durham - - - - - | Consett Iron Co., Ltd. - - - - - | — | — |
| Gateshead, Gateshead-on-Tyne - - - - - | Hawks, Crawshay, and Sons - - - - - | — | — |
| Hartlepool, Hartlepool - - - - - | Hartlepool Rolling Mills Co., Ltd. - - - - - | — | — |
| Hive, East Jarrow - - - - - | John Elliot and Sons - - - - - | — | — |
| Jarrow, Jarrow-on-Tyne - - - - - | Palmer's Shipbuilding and Iron Co., Ltd. - - - - - | — | — |
| Monkwearmouth, Sunderland - - - - - | Samuel Tyzack & Co. - - - - - | — | — |
| Moor, Stockton-on-Tees - - - - - | Moor Steel and Iron Co., Ltd. - - - - - | — | — |
| Park, Gateshead-on-Tyne - - - - - | John Abbott & Co., Ltd. - - - - - | — | — |
| Richmond, Stockton-on-Tees - - - - - | Richmond Ironworks Co. - - - - - | — | — |
| Rise Carr Rolling Mills, Darlington - - - - - | Fry, Janson, & Co. - - - - - | — | — |
| Skerne, Darlington - - - - - | Skerne Iron Works Co., Ltd. - - - - - | — | — |
| Spennymoor, Spennymoor - - - - - | M. Coulson & Co. - - - - - | — | — |
| Springfield, Darlington - - - - - | Darlington Steel and Iron Co., Ltd. - - - - - | — | — |
| Stockton, Stockton-on-Tees - - - - - | Stockton Malleable Iron Co., Ltd. - - - - - | — | — |
| Stranton, West Hartlepool - - - - - | Unoccupied - - - - - | — | — |
| Tudhoe, Spennymoor - - - - - | Weardale Iron and Coal Co., Ltd. - - - - - | — | — |
| Westbourne, Stockton-on-Tees - - - - - | Willm. Whitwell & Co. - - - - - | — | — |
| West Stockton, Stockton-on-Tees - - - - - | Owners of West Stockton Ironworks - - - - - | — | — |
| West Hartlepool, West Hartlepool - - - - - | The Owners of West Hartlepool Iron Works. - - - - - | — | — |
| Witton Park, Stockton-on-Tees - - - - - | Bolckow, Vaughan, & Co., Ltd. - - - - - | — | — |
| Total in operation - - - - - | - - - - - | 375 | 40 |

Weardale Blast Furnace Statistics for 1880s

Durham iron ore record (p.53) in 1886, pub 1887

YEAR 1886.]

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[IRON ORE.

IRON ORE AND IRONSTONE—continued.

| Mine or Openwork. | Where situated. | Owner. | Quantity. | Average per-centage of Iron obtainable. | Value of the Ore at the Mine or Openwork. |
|--------------------------------------|-------------------|------------------------------------|-----------|---|---|
| DEVONSHIRE: | | | Tons. | | £ |
| Kelley - B. | Lustleigh - | W. H. Hosking - | 22 | - | 66 |
| Molland - " | Molland - | Molland Mining Co. - | 978 | - | 245 |
| Stowford - " | North Molton - | North Devon Mining Co., Ltd. - | 10 | - | 5 |
| Totals - | - | - | 1,010 | 50 | 316 |
| DURHAM: | | | | | |
| Middlehope S. & S.H. | Weardale - | Weardale Iron and Coal Co., Ltd. - | 566 | — | — |
| Rowan Tree A. - " | Ditto - | Ditto - | 1,193 | — | — |
| Totals - | - | - | 1,759 | 30 | 660 |
| GLAMORGANSHIRE: | | | | | |
| Trecastle - B. | Llanharry - | Mwyndy Iron Ore Co., Ltd. - | 14,968 | 44 | 5,239 |
| GLOUCESTERSHIRE: | | | | | |
| FOREST OF DEAN. B. | | | | | |
| Buckshaft - " | Cinderford - | Henry Crawshay & Co. - | 21,425 | — | — |
| China - " | Bream - | Ditto and Sons - | 10,524 | — | — |
| Coleford - " | Coleford - | John Shingles - | 625 | — | — |
| Crows Nest - " | Newland - | Richard Watkins - | 387 | — | — |
| Edge Hill - " | Mitcheledean - | Dowlais Iron Co. - | 14,941 | — | — |
| Highmeadow - " | Highmeadow - | Highmeadow Iron Ore Co. - | 294 | — | — |
| Limekiln Pool - " | Coleford - | Lydbrook Iron Mines Co. - | 7 | — | — |
| Lydbrook - " | Ditto - | Ditto - | 7 | — | — |
| New Dun Pit - " | Ditto - | Richard Watkins - | 1,368 | — | — |
| Old Sling Pit - " | Ditto - | W. H. Fryer - | 1,683 | — | — |
| Park - " | Lydney - | Park Iron Ore and Coal Co. - | 3,498 | — | — |
| Perseverance - " | East Dean - | Henry Crawshay and Sons - | 6,762 | — | — |
| Yew Tree - " | Bream - | John Shingles - | 102 | — | — |
| Totals - | - | - | *61,616 | 40 | 21,873 |
| LANCASHIRE: | | | | | |
| (Detached part of North Lancashire.) | | | | | |
| Bercune - R.H. | Lindal-in-Furness | Wigan Coal and Iron Co., Ltd. - | 533 | - | 213 |
| Dalton - " | Dalton-in-Furness | Askam and Mouzell Iron Co., Ltd. - | 57,345 | - | 22,938 |
| Elliscales - " | Ditto - | Elliscales Mining Co., Ltd. - | 8,542 | - | 3,416 |
| High Cross Gates - " | Lindal-in-Furness | Harrison, Ainslie & Co. - | 22,086 | - | 9,386 |
| Lindal Moor - " | Ditto - | Ditto ditto - | 246,201 | - | 104,632 |
| Ditto - " | Dalton-in-Furness | Askam and Mouzell Iron Co., Ltd. - | 1,945 | - | 778 |
| Mouzell - " | Ditto - | Ditto ditto - | 73,455 | - | 29,382 |
| Newton and Stank - " | Barrow-in-Furness | Barrow Hæmatite Steel Co., Ltd. - | 135,568 | - | 57,616 |
| Park - " | Dalton-in-Furness | Ditto ditto - | 286,315 | - | 121,684 |
| Pennington - " | Lindal-in-Furness | Parkside Mining Co. - | 50,244 | - | 22,655 |
| Roanhead and Askam - " | Dalton-in-Furness | Kennedy brothers - | 235,343 | - | 105,904 |
| Sandscale - " | Ditto - | Sandscale Mining Co., Ltd. - | 7,829 | - | 3,132 |
| Stainton - " | Barrow-in-Furness | Barrow Hæmatite Steel Co., Ltd. - | 4,138 | - | 1,759 |
| Whitriggs and Old Hills - " | Lindal-in-Furness | Barrow Hæmatite Steel Co., Ltd. - | 42,293 | - | 17,975 |
| Yarlside - " | Dalton-in-Furness | Storey and Boulton - | 44,356 | - | 19,960 |
| Totals - | - | - | 1,216,193 | 54 | 521,430 |

* Of this quantity the mines in the Crown property produced 51,499 tons (Gaveller's Return).

Weardale Blast Furnace Statistics for 1880s

Weardale Iron Mines list in 1886, pub 1887

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MINES AND OPENWORKS.

[YEAR 1886.

LIST of OWNERS, MINES, and MANAGERS, under the Metalliferous Mines Regulation Act, in DURHAM, WESTMORELAND, and the N. R. of YORKSHIRE, 1886—cont.

| Owner or Company and Postal Address. | Name of Mine. | Where situated. | Name of Manager or Agent. |
|--|------------------------|-----------------------|---------------------------|
| WESTMORELAND—cont. | | | |
| Kearton, J., & Son, Castlethwaite, Mallestang, Westmoreland. | Belds Hill * - | Mallestang - | — |
| Nether Hearth Lead Mining Co., Ltd., Dufton, near Alston. | Nether Hearth * - | Dufton - | — |
| North Westmoreland Lead Mining Co., Ltd., 31, Westgate Road, Newcastle-on-Tyne. | North Westmoreland | Brough - | J. W. Hetherington. |
| Silverband Mining Co., Ltd., Springfield, Warrington. | Silverband - | Dunfell - | Ed. Milner. |
| Spark, H. K., Startforth House, Barnard Castle, via Darlington. | Middle Fell - | Kirkby Stephen. | — |
| YORKSHIRE. | | | |
| AD Lead Mining Co., Ltd., Fremington, Richmond, Yorks. | Sir Francis, AD. | Swaledale - | } John Reynoldson. |
| Ditto - - - - | Sun Hush - | Ditto - | |
| Ditto - - - - | Swinnergill - | Ditto - | } J. Rodwell. |
| Apedale Mining Co., Wensley, Bedale | Apedale - | Wensleydale - | |
| Arkendale Mining Co., Arkengarthdale, Richmond, Yorks. | Arkendale - | Arkendale - | Wm. Peacock. |
| Charlesworth, J. C. D., Chapelthorp Hall, Wakefield. | Grinton Moor * | Township of Grinton - | } Ditto. |
| Ditto - - - - | Summer Lodge * - | Ditto - | |
| Ditto - - - - | Whiteaside * - | Ditto - | |
| Dymond, Thos., Burntwood Hall, Barnsley. | Keldheads - | Leyburn - | J. Rodwell. |
| Old Gang Mining Co., Reeth, Richmond, Yorks. | Old Gang - | Swaledale - | John Reynoldson. |
| Scargill Lead Mining and Smelting Co., Ltd., St. Nicholas' Buildings, Newcastle-on-Tyne. | Scargill - | Barnard Castle - | J. J. Millican. |
| Shield, H. and J. B., Holwick, Middleton-in-Teesdale. | West Silverband - | Cronkley Fell - | J. B. Shield. |
| Surrender Mining Co., Fremington, Richmond, Yorks. | Surrender * - | Healaugh - | S. Cherry. |
| Yorkshire Lead Mines Co. Ltd., 9, Gracechurch Street, London, E.C. | Hurst - | Reeth, Richmond - | John Retallick. |
| Virgin Moss Mining Co., Wensley, Bedale (Yorks). | Virgin Moss - | Wensleydale - | A. Rodwell. |
| Williams, W., Lunehead, Mickelton, via Darlington. | Lunehead - | Mickelton - | W. Williams. |
| IRON ORE MINES. | | | |
| DURHAM. | | | |
| Hope, Alex. Cleveland Cottage, Middleton-in-Teesdale. | Dirt Pit* - | Weardale - | Alex. Hope. |
| Weardale Iron and Coal Co., Ltd., Tudhoe, Spennymoor. | Foul Wood* - | Ditto - | } T. Teasdale. |
| | Carricks* - | Ditto - | |
| | Level Gate* - | Ditto - | |
| | Middlehope* - | Ditto - | |
| | Red Vein* - | Ditto - | |
| | Rowan Tree A.* - | Ditto - | |
| Side Head* - | Ditto - | | |
| WHINSTONE MINES. | | | |
| DURHAM. | | | |
| Coates, Wm., 37, Half Moon Lane, Spennymoor. | Tudhoe, Whinstone - | Tudhoe - | Wm. Coates. |
| Clish, Wm., Hett, Durham - | Darlington Road - | Hett - | W. Clish. |
| YORKSHIRE. | | | |
| Bradley, M., Great Ayton, Northallerton. | Langbaugh - | Great Ayton - | Geo. Bradley. |
| Harrison and Ward, Stainton, Stockton-on-Tees. | Stainton - | Stainton - | T. Harrison. |
| Schofield, Geo., Grosmont, York | Egton - | Grosmont - | Geo. Schofield. |
| Waddington, G. W., 26, Bagdale, Whitby. | Goathland - | Ditto - | Wm. Schofield. |
| Winn, Wm., Great Ayton, Northallerton. | Cliffrigg and Slacks - | Great Ayton - | W. Winn. |

Mines marked with an asterisk are standing, but ready for work when required.

MINES AND MINERALS.

MINING AND MINERAL STATISTICS

OF THE

**UNITED KINGDOM OF GREAT BRITAIN
AND IRELAND,**

For the Year 1887.

PREPARED BY HER MAJESTY'S INSPECTORS OF MINES

By direction of the Secretary of State for the Home Department.

Presented to both Houses of Parliament by Command of Her Majesty.



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HODGES, FIGGIS, & Co., 104, GRAFTON STREET, DUBLIN.

1888.

[C.—5464.] Price 4s. 6d.

Weardale Blast Furnace Statistics for 1880s
Weardale blast furnaces in 1887, pub 1888

YEAR 1887.]

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[IRON—PIG IRON.]

Blast Furnaces—*continued.*

| Name and Situation of Furnaces. | Owner. | Blast Furnaces. | |
|--|--|-----------------|-----------------|
| | | Number. | In Blast. |
| DENBIGHSHIRE: | | | |
| Brymbo, Brymbo - - - - | Brymbo Steel Co., Ltd. - - - - | 3 | 1 |
| Ffrwd, Wrexham - - - - | James Sparrow & Son - - - - | 2 | — |
| Ruabon, Ruabon - - - - | New British Iron Co., Ltd. - - - - | 2 | $\frac{1}{2}$ |
| Totals - - - - | - - - - | 7 | 1 $\frac{1}{2}$ |
| Total make of pig iron, including that of Flintshire, 37,910 tons. Total iron ore used 107,558 tons. Total coal used (including coal converted into coke), 118,000 tons. | | | |
| DERBYSHIRE: | | | |
| Alfreton, Riddings, Alfreton - - - - | James Oakes & Co. - - - - | 3 | 3 |
| Butterley, Alfreton - - - - | The Butterley Co. - - - - | 5 | 1 |
| Clay Cross, Chesterfield - - - - | The Clay Cross Co. - - - - | 3 | 2 |
| Denby, Derby - - - - | George Dawes - - - - | 4 | — |
| Erewash Valley, Ilkeston - - - - | Erewash Valley Iron Co., Ltd. - - - - | 4 | — |
| Renishaw, Eckington - - - - | F. R. Appleby & Co. - - - - | 2 | 2 |
| Sheepbridge, Chesterfield - - - - | Sheepbridge Coal and Iron Co., Ltd. - - - - | 8 | 3 |
| Stanton, Nottingham - - - - | Stanton Iron Works Co., Ltd. - - - - | 8 | 6 |
| Staveley, Chesterfield - - - - | Staveley Coal and Iron Co., Ltd. - - - - | 6 | 5 |
| Wingerworth, Chesterfield - - - - | Wingerworth Iron Co. - - - - | 3 | — |
| Totals - - - - | - - - - | 46 | 22 |
| Total make of pig iron, including that of Nottinghamshire, 296,118 tons. Total iron ore used, 866,508 tons. Total coal used (including coal converted into coke), 705,165 tons. | | | |
| DURHAM: | | | |
| Carlton, Stockton-on-Tees - - - - | Carlton Iron Co., Ltd. - - - - | 3 | 2 $\frac{1}{2}$ |
| Clarence, Middlesbrough-on-Tees - - - - | Bell Brothers, Ltd. - - - - | 12 | 7 |
| Consett, Blackhill, Durham - - - - | Consett Iron Co., Ltd. - - - - | 7 | 5 $\frac{1}{2}$ |
| Ferry Hill, Ferry Hill - - - - | John Rogerson - - - - | 8 | — |
| Jarrow, Jarrow-on-Tyne - - - - | Palmer's Shipbuilding and Iron Co., Ltd. - - - - | 4 | 4 |
| Middleton, Darlington - - - - | Executors of the late George Wythes - - - - | 4 | — |
| Norton, Stockton-on-Tees - - - - | Norton Iron Co., Ltd. - - - - | 3 | — |
| Seaton Carew, West Hartlepool - - - - | Seaton Carew Iron Co., Ltd. - - - - | 3 | 3 |
| Stockton, North Shore - - - - | Unoccupied - - - - | 3 | — |
| Tees Bridge, Stockton-on-Tees - - - - | Tees Bridge Iron Co., Ltd. - - - - | 3 | 2 |
| Towlaw, Darlington - - - - | Weardale Iron and Coal Co., Ltd. - - - - | 4 | — |
| Tudhoe, Spennymoor - - - - | Ditto ditto - - - - | 2 | 1 |
| Vane, Seaham Harbour - - - - | Watson, Kipling, & Co., Ltd. - - - - | 2 | — |
| Witton Park, Bishop Auckland - - - - | Bolckow, Vaughan, & Co., Ltd. - - - - | 2 | — |
| Totals - - - - | - - - - | 60 | 25 |
| Total make of pig iron, including that of Northumberland, 682,797 tons. Total iron ore used, 1,899,855 tons. Total coal used (including coal converted in coke), 1,335,603 tons. | | | |
| FLINTSHIRE: | | | |
| Mostyn, Mostyn - - - - | Darwen and Mostyn Iron Co., Ltd. - - - - | 3 | 3 |
| The make of pig iron, and the quantity of iron ore and coal used, are included in the figures for Denbighshire. | | | |

Weardale Blast Furnace Statistics for 1880s

No iron ore from Mines listed for Durham in 1887, pub 1888

Durham iron ore Openworks record (p.40) in 1887, pub 1888

IRON ORE.]

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[YEAR 1887.

Iron Ore from Mines—continued.

| Name of Mine. | Where situated. | Owner. | Quantity. | Average per-centage of Iron obtainable. | Value of the Ore at the Mine. |
|--|-----------------------|----------------------------------|-----------|---|-------------------------------|
| IRELAND. | | | | | |
| ANTRIM: | | | | | |
| Clonetrace - A.H. | Broughshane - | Antrim Iron Ore Co., Ltd. - | } 76,734 | — | — |
| Dungonnel - " | Ballymena - | Ditto - - - - - | | | |
| Glenarm - " | Glenarm - | Ditto - - - - - | | | |
| Parkmore - " | Ballymena - | Ditto - - - - - | | | |
| Rathkenny - " | Ditto - | Ditto - - - - - | | | |
| Evishacrow - " | Glenravel - | Charles Chambers - | 927 | — | — |
| Glenravel - " | Ballymena - | John Fisher & Co. - | 20,194 | — | — |
| Evishnably and Gortnagecragh. - " | Glenravel - | Mountcashel Iron Ore Co., Ltd. - | 22,642 | — | — |
| Ballycraig, No. 3 - " | Portrush - | Portrush Mining Co. - | 7,632 | — | — |
| Ballyboley - " | Ballynure Junction. - | } Francis Ritchie and Sons - | 7,260 | — | — |
| Ballynure - " | Ballynure - | | | | |
| Ballypallady - " | Ballyclare - | | | | |
| Island Magee - " | Larne - | | | | |
| Totals - | - - - - - | - - - - - | 135,389 | 36 | 20,308 |
| Total Iron Ore produced from mines under the Metalliferous Mines Regulation Act in Great Britain and Ireland - - - - - | | | 2,898,022 | — | 1,291,672 |

IRONSTONE PRODUCED FROM OPENWORKS.

| Name of Openwork. | Where situated. | Owner. | Quantity. | Average per-centage of Iron obtainable. | Value of the Ore at the Openwork. |
|---------------------------------|-----------------|--|-----------|---|-----------------------------------|
| | | | Tons. | | £ |
| DURHAM: | | | | | |
| Middlehope S. & S.H. | Weardale - | Weardale Iron and Coal Co., Ltd. - | 1,182 | — | — |
| Rowan Tree A. " | Ditto - | Ditto - - - - - | 1,324 | — | — |
| Totals - | - - - - - | - - - - - | 2,506 | 30 | 939 |
| LEICESTERSHIRE: | | | | | |
| Eastwell - B. | Melton Mowbray | Staveley and Bestwood Coal and Iron Cos., Ltd. - | — | — | — |
| Eaton - " | Ditto - | Holwell Iron Co., Ashfordby - | — | — | — |
| Harston - " | Ditto - | Stanton Iron Works Co., Ltd. - | — | — | — |
| Holwell - " | Ditto - | Ditto ditto - | — | — | — |
| Ditto - " | Ditto - | Holwell Iron Co., Ashfordby - | — | — | — |
| Waltham - " | Ditto - | Staveley Iron Co. and J. Oakes & Co. - | — | — | — |
| Wartnaby - " | Ditto - | Stanton Iron Works Co., Ltd. - | — | — | — |
| Totals - | - - - - - | - - - - - | 372,773 | 34 | 46,592 |

Weardale Blast Furnace Statistics for 1880s
Weardale Iron Mines list in 1887, pub 1888

YEAR 1887.]

DURHAM DISTRICT (MR. BELL).

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LIST OF OWNERS, MINES, and MANAGERS, under the Metalliferous Mines Regulation Act, in DURHAM,
 WESTMORELAND, and the N. R. of YORKSHIRE, 1887—*cont.*

| Owner or Company and Postal Address. | Name of Mine. | Where situated. | Name of Manager or Agent. |
|--|------------------------|-----------------------|------------------------------|
| <i>WESTMORELAND—cont.</i> | | | |
| Kearnton, J., & Son, Castlethwaite, Mallestang, Westmoreland. | Belds Hill * - - | Kirby Stephen. | — |
| Nether Hearth Lead Mining Co., Ltd., Dufton, near Alston. | Nether Hearth * - | Dufton. | — |
| North Westmoreland Lead Mining Co., Ltd., 31, Westgate Road, New- castle-on-Tyne. | Angill * - - | Brough - - | J. W. Hetherington. |
| Silverband Mining Co., Ltd., Hart- ford Manor, Northwich. | Silverband - - | Dunfell - - | J. W. Harrison. |
| Spark, H. K., Startforth House, Barnard Castle, via Darlington. | Middle Fell - - | Brough. | — |
| <i>YORKSHIRE.</i> | | | |
| AD Lead Mining Co., Ltd., Freming- ton, Richmond, Yorks. | Sir Francis, AD. | Swaledale - - | } John Reynoldson |
| Ditto - - - - | Sun Hush - - | Ditto - - | |
| Ditto - - - - | Swinnergill - - | Ditto - - | |
| Apedale Mining Co., Wensley, Bedale | Apedale - - | Wensleydale - - | J. Rodwell. |
| Arkendale Mining Co., Arkengartha- dale, Richmond, Yorks. | Arkendale - - | Arkendale - - | Wm. Peacock. |
| Dymond, Thos., Burntwood Hall, Barnsley. | Keldheads - - | Leyburn - - | J. Rodwell. |
| Old Gang Mining Co., Reeth, Rich- mond, Yorks. | Old Gang* - - | Swaledale - - | John Reynoldson. |
| Scargill Lead Mining and Smelting Co., Ltd., St. Nicholas' Buildings, Newcastle-on-Tyne. | Scargill - - | Barnard Castle - | J. J. Millican. |
| Shield, H. and J. B., Holwick, Middle- ton-in-Teesdale. | West Silverband - | Cronkley Fell - | J. B. Shield. |
| Surrender Mining Co., Fremington, Richmond, Yorks. | Surrender * - - | Healaugh - - | S. Cherry. |
| Swaledale Mining Association, Ltd., 16, Great Winchester Street, E.C. | Grinton Moor * - | Township of Grinton - | } J. Rodwell. |
| Ditto - - - - | Summer Lodge * - | Ditto - - | |
| Ditto - - - - | Whiteaside* - - | Ditto - - | |
| Yorkshire Lead Mines Co., Ltd., 9, Gracechurch Street, London, E.C. | Hurst - - | Reeth - - | John Retallick. |
| Virgin Moss Mining Co., Wensley, Bedale (Yorks). | Virgin Moss - - | Wensleydale - - | A. Rodwell. |
| Williams, W., Lunehead, Mickelton, via Darlington. | Lunehead - - | Mickleton - - | W. Williams. |
| <i>IRON ORE MINES.</i> | | | |
| <i>DURHAM.</i> | | | |
| Hope, Alex. Cleveland Cottage, Middle- ton-in-Teesdale. | Dirt Pit* - - | Weardale - - | Alex. Hope. |
| Weardale Iron and Coal Co., Ltd., Tudhoe, Spennymoor. | Foul Wood - - | Ditto - - | } T. Teasdale. |
| | Carricks - - | Ditto - - | |
| | Level Gate - - | Ditto - - | |
| | Middlehope - - | Ditto - - | |
| | Red Vein - - | Ditto - - | |
| | Rowan Tree A. - | Ditto - - | |
| | Side Head - - | Ditto - - | |
| <i>WHINSTONE MINES.</i> | | | |
| <i>DURHAM.</i> | | | |
| Coates, Wm., 37, Half Moon Lane, Spennymoor. | Tudhoe, Whinstone - | Tudhoe - - | Wm. Coates. |
| Clish, Wm., Hett, Durham - - | Darlington Road - | Hett - - | Wm. Clish. |
| Proud, Jos., Howden, via Darlington | Hargill - - | Crook - - | J. Prout. |
| <i>YORKSHIRE.</i> | | | |
| Bradley, M., Great Ayton, North- allerton. | Langbaugh - - | Great Ayton - - | Geo. Bradley. |
| Harrison and Ward, Stainton, Stock- ton-on-Tees. | Stainton - - | Stainton - - | T. Harrison. |
| Schofield, Geo., Grosmont, York - | Egton - - | Grosmont - - | Geo. Schofield. |
| Waddington, G. W., 26, Bagdale, Whitby. | Goathland - - | Ditto - - | Wm. Schofield. |
| Winn, Wm., Great Ayton, North- allerton. | Cliffrigg and Slacks - | Great Ayton - - | W. Winn. |

Mines marked with an asterisk are standing, but ready for work when required.

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MINES AND MINERALS.

MINERAL STATISTICS

OF THE

**UNITED KINGDOM OF GREAT BRITAIN
AND IRELAND,
WITH THE ISLE OF MAN,**

For the Year 1888.

PREPARED BY HER MAJESTY'S INSPECTORS OF MINES

By direction of the Secretary of State for the Home Department.



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BY EYRE AND SPOTTISWOODE,

PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.

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HODGES, FIGGIS, & Co., 104, GRAFTON STREET, DUBLIN.

1889.

Price 1s. 4d.

Weardale Blast Furnace Statistics for 1880s
Weardale blast furnaces in 1888, pub 1889

YEAR 1888.]

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[IRON—PIG IRON.]

Blast Furnaces—continued.

| Name and Situation of Furnaces. | Owner. | Blast Furnaces. | |
|---|--|-----------------|------------------|
| | | Number. | In Blast |
| DENBIGHSHIRE: | | | |
| Brymbo, Brymbo, Wrexham - - - | Brymbo Steel Co., Ltd. - - - | 3 | 2 |
| Ffwd, Wrexham - - - | James Sparrow & Son - - - | 2 | $\frac{1}{2}$ |
| Ruabon, Ruabon - - - | New British Iron Co., Ltd. - - - | 2 | — |
| Totals - - - | - - - | 7 | 2 $\frac{1}{2}$ |
| Total make of pig iron, including that of Flintshire, 33,296 tons. Total iron ore used 73,179 tons. Total coal used (including coal converted into coke), 77,251 tons. | | | |
| DERBYSHIRE: | | | |
| Alfreton, Riddings, Alfreton - - - | James Oakes & Co. - - - | 3 | 2 |
| Butterley, Alfreton - - - | The Butterley Co., Ltd. - - - | 5 | 1 $\frac{1}{2}$ |
| Clay Cross, Chesterfield - - - | The Clay Cross Co. - - - | 3 | 2 |
| Denby, Derby - - - | Exors. of the late George Dawes - - - | 4 | 1 |
| Erewash Valley, Ilkeston - - - | Erewash Valley Iron Co., Ltd. - - - | 4 | — |
| Renishaw, Eckington - - - | Appleby & Co. - - - | 2 | 2 |
| Sheepbridge, Chesterfield - - - | Sheepbridge Coal and Iron Co., Ltd. - - - | 8 | 4 $\frac{1}{2}$ |
| Stanton, Nottingham (one building) - - - | Stanton Iron Works Co., Ltd. - - - | 8 | 8 |
| Staveley, Chesterfield - - - | Staveley Coal and Iron Co., Ltd. - - - | 6 | 5 $\frac{1}{2}$ |
| Wingerworth, Chesterfield - - - | Wingerworth Iron Co. - - - | 3 | — |
| Totals - - - | - - - | 46 | 26 $\frac{1}{4}$ |
| Total make of pig iron, including that of Nottinghamshire, 362,744 tons. Total iron ore used, 1,036,969 tons. Total coal used (including coal converted into coke), 847,266 tons. | | | |
| DURHAM: | | | |
| Carlton, Stockton-on-Tees - - - | Carlton Iron Co., Ltd. - - - | 3 | 3 |
| Clarence, Middlesbrough-on-Tees - - - | Bell Brothers, Ltd. - - - | 12 | 8 $\frac{1}{2}$ |
| Consett, Blackhill, Durham - - - | Consett Iron Co., Ltd. - - - | 7 | 5 $\frac{1}{2}$ |
| Ferry Hill, Ferry Hill - - - | John Rogerson - - - | 8 | — |
| Jarrow, Jarrow-on-Tyne - - - | Palmer's Shipbuilding and Iron Co., Ltd. - - - | 4 | 4 |
| Middleton, Darlington - - - | Executors of the late George Wythes - - - | 4 | — |
| Norton, Stockton-on-Tees - - - | Norton Iron Co., Ltd. - - - | 3 | — |
| Seaton Carew, West Hartlepool - - - | Seaton Carew Iron Co., Ltd. - - - | 3 | 3 |
| Stockton, North Shore - - - | Unoccupied - - - | 3 | — |
| Tees Bridge, Stockton-on-Tees - - - | Tees Bridge Iron Co., Ltd. - - - | 3 | 3 |
| Towlaw, Darlington - - - | Weardale Iron and Coal Co., Ltd. - - - | 4 | — |
| Tudhoe, Spennymoor - - - | Ditto ditto - - - | 2 | 1 |
| Vane, Seaham Harbour - - - | Watson, Kipling, & Co., Ltd. - - - | 2 | — |
| Witton Park, Bishop Auckland - - - | Bolckow, Vaughan, & Co., Ltd. - - - | 2 | — |
| Totals - - - | - - - | 60 | 27 $\frac{1}{4}$ |
| Total make of pig iron, including that of Northumberland, 774,984 tons. Total iron ore used, 1,897,973 tons. Total coal used (including coal converted in coke), 1,527,511 tons. | | | |
| FLINTSHIRE: | | | |
| Mostyn, Mostyn - - - | Darwen and Mostyn Iron Co., Ltd. - - - | 3 | 1 |
| The make of pig iron, and the quantity of iron ore and coal used, are included in the figures for Denbighshire. | | | |

Weardale Blast Furnace Statistics for 1880s

Durham iron ore Mines record (p.39) in 1888, pub 1889

YEAR 1888.]

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[IRON ORE.]

Iron Ore.

IRON ORE produced from MINES under the METALLIFEROUS MINES REGULATION ACT.

NOTE.—The character of the ores of iron is indicated as follows :—

B. signifies chiefly Brown ironstone or ore (hydrated peroxide). **S.** signifies Spathose ore or Carbonate of iron.
A.H. „ Aluminous hæmatite. **S. & S. H.** „ Spathose ore and Siliceous hæmatite.
R.H. „ Red hæmatite.

| Name of Mine. | Where situated. | Owner. | Quantity. | Average per-centage of Iron obtainable. | Value of the Ore at the Mine. |
|-----------------------------|-----------------|--------------------------------|------------------|---|-------------------------------|
| ENGLAND AND WALES :— | | | | | |
| CUMBERLAND : | | | | | |
| | | | Tons. | | £ |
| Bigrigg - R.H. | Egremont | Lord Leconfield | 30,084 | 58 | — |
| Cleator | Cleator | Cleator Iron Ore Co. | 55,424 | — | — |
| Cleator Glebe | „ | Cleator Glebe Mining Co., Ltd. | 12,102 | — | — |
| Cleator Moor | „ | „ | 29,423 | 56 | — |
| Crossfield | „ | „ | 39,287 | — | — |
| Eskett | „ | „ | 35,934 | — | — |
| Frizington | „ | „ | 24,883 | — | — |
| Frizington Park | „ | „ | 9,205 | 55 | — |
| Gillfoot Park | „ | „ | 112,257 | 60 | — |
| Goose Green | „ | „ | 15,067 | — | — |
| Gutterley | „ | „ | 5,116 | 57 | — |
| High-House | „ | „ | 12,510 | — | — |
| Hodbarrow | „ | „ | 474,238 | — | — |
| Holebeck | „ | „ | 1,473 | — | — |
| Jacktrees | „ | „ | 67,236 | 51 | — |
| Kelton and Knockmurton. | „ | „ | 52,600 | — | — |
| Longlands | „ | „ | — | — | — |
| Lonsdale | „ | „ | 44,599 | 55 | — |
| Lonsdale | „ | „ | 21,197 | — | — |
| Montreal | „ | „ | 78,236 | — | — |
| Moor Row | „ | „ | 7,284 | 50 | — |
| Moss Bay | „ | „ | 15,000 | 60 | — |
| Mowbray | „ | „ | 1,330 | 46 | — |
| New Parkside | „ | „ | 58,440 | — | — |
| Pallaflat | „ | „ | 83,412 | 59 | — |
| Park House | „ | „ | 10,595 | — | — |
| Parkside, No. 19 | „ | „ | 46,419 | 53 | — |
| Parkside, Winder | „ | „ | 61 | 53 | — |
| Row Foot | „ | „ | 9,553 | 54 | — |
| Salter Hall | „ | „ | 22,878 | — | — |
| Sir John Walsh | „ | „ | 20,883 | 60 | — |
| Southam | „ | „ | 29,411 | — | — |
| Winder | „ | „ | 13,768 | 55 | — |
| Woodend | „ | „ | 47,259 | 54 | — |
| Wyndham | „ | „ | 69,338 | 54 | — |
| Postlethwaites Eskett | „ | „ | 16,691 | — | — |
| Totals | | | 1,573,043 | 55 | 766,858 |
| DEVONSHIRE : | | | | | |
| | | | Tons. | | £ |
| Brimley - B. | Molland | Molland Mining Co. | 2,060 | — | 515 |
| Kelley | „ | „ | 25 | — | 6 |
| Stowford | „ | „ | — | — | — |
| Totals | | | 2,085 | 50 | 521 |
| DURHAM : | | | | | |
| | | | Tons. | | £ |
| Carrick or Cray - B. | Weardale | Weardale Iron & Coal Co., Ltd. | 19,596 | 30 | — |
| Middlehope | „ | „ | 4,724 | 30 | — |
| Rowantree | „ | „ | 15,913 | 30 | — |
| Totals | | | 40,233 | 30 | 15,090 |

Weardale Blast Furnace Statistics for 1880s

Durham iron ore Openworks record (p.42) in 1888, pub 1889

IRONSTONE.]

42

[YEAR 1888.

| IRONSTONE FROM OPENWORKS. | | | | | |
|---------------------------|-----------------|---|-----------|---|-----------------------------------|
| Name of Openwork. | Where situated. | Owner. | Quantity. | Average per-centage of Iron obtainable. | Value of the Ore at the Openwork. |
| DURHAM: | | | Tons. | | £ |
| Weardale - - | Weardale - | Weardale Iron and Coal Co., Ltd. | 6,970 | 30 | 2,614 |
| LEICESTERSHIRE: | | | | | |
| Eastwell - B. | Melton Mowbray | Staveley and Bestwood Coal and Iron Cos., Ltd. | — | — | — |
| Eaton - - " | Ditto - - | Holwell Iron Co., Ashfordby | — | — | — |
| Harston - - " | Ditto - - | Stanton Iron Works Co., Ltd. | — | — | — |
| Holwell - - " | Ditto - - | Ditto ditto | — | — | — |
| Ditto - - " | Ditto - - | Holwell Iron Co., Ashfordby | — | — | — |
| Ditto - - " | Ditto - - | E. P. Davis - - - | — | — | — |
| Waltham - - " | Ditto - - | Staveley Iron Co. and J. Oakes & Co. | — | — | — |
| Wartnaby - - " | Ditto - - | Stanton Iron Works Co., Ltd. | — | — | — |
| Totals - - - | - - - | - - - | 535,831 | 34 | 60,281 |
| LINCOLNSHIRE: | | | | | |
| | | | Tons. | | £ |
| Caythorpe - B. | Grantham - | Stanton Iron Works Co., Ltd. | — | — | — |
| Ditto - - " | Ditto - - | Mrs. F. Cohen - - - | — | — | — |
| Ditto - - " | Ditto - - | West Yorkshire Iron and Coal Co., Ltd., 74, Wellington Street, Leeds. | — | — | — |
| Frodingham - - " | Frodingham - | Lord St. Oswald - - - | — | — | — |
| Ditto - - " | Ditto - - | Frodingham Iron Co. - - | — | — | — |
| Ditto - - " | Ditto - - | Sheepbridge Coal and Iron Co., Ltd., Chesterfield. | — | — | — |
| Gunhouse - - " | Ditto - - | Park Gate Iron and Steel Co., Ltd., Rotherham. | — | — | — |
| Midland - - " | Ditto - - | Staveley Co., Ltd., J. Brown & Co., and Park Gate Co. | — | — | — |
| Normanby - - " | Seunthorpe - | William Cooke & Co., Ltd., Sheffield. | — | — | — |
| Trent - - " | Ditto - - | Trent Iron Co. - - - | — | — | — |
| Warren - - " | Frodingham - | George Doye - - - | — | — | — |
| Woolsthorpe - - " | Grantham - | Stanton Iron Works Co., Ltd. | — | — | — |
| Totals - - - | - - - | - - - | 1,300,914 | 30 | 146,353 |

MINES AND MINERALS.



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88 and 90, WEST NILE STREET, GLASGOW; or

HODGES, FIGGIS, & Co., 104, GRAFTON STREET, DUBLIN.

1891.

[C.—6536.] - Price 2s. 5d.

Weardale Blast Furnace Statistics for 1880s

Weardale blast furnaces in 1889, pub 1891

IRON—PIG IRON.]

162

[YEAR 1889.

BLAST FURNACES in GREAT BRITAIN, MAKE of PIG IRON, and QUANTITY of IRON ORE (including Cinder) and COAL used.

DETAILS OF PRODUCTION.

(Fractions show the proportion of the year that the furnace was in blast.)

| Name and Situation of Furnaces. | Owner. | Blast Furnaces. | |
|---|---|-----------------|-----------|
| | | Number. | In Blast. |
| ENGLAND AND WALES: | | | |
| CUMBERLAND: | | | |
| Cleator Moor, Whitehaven | Whitehaven Hæmatite Iron and Steel Co., Ltd. | 3 | 1 |
| Derwent Iron and Steel, Workington | Charles Cammell & Co., Ltd. | 3 | 3 |
| Distington, Whitehaven | Distington Hæmatite Iron Co., Ltd. | 3 | 2 |
| Harrington, Harrington | James Bain & Co. | 4 | 3 |
| Lonsdale, Whitehaven | Lonsdale Hæmatite Iron and Steel Co., Ltd. | 3 | 2 |
| Lowther, Workington | Lowther Hæmatite Iron Co., Ltd. | 3 | 2½ |
| New Yard, Workington | Kirk Brothers & Co. | 1 | 1 |
| Maryport, Maryport | Maryport Hæmatite Iron and Steel Co., Ltd. | 6 | 3 |
| Millom, Millom | Cumberland Iron Mining and Smelting Co., Ltd. | 6 | 3 |
| Moss Bay, Workington | Moss Bay Hæmatite Iron and Steel Co., Ltd. | 4 | 3 |
| Parton, Whitehaven | Parton Hæmatite Iron Co., Ltd. (in liquidation) | 2 | — |
| Solway, Maryport | Solway Hæmatite Iron Co., Ltd. | 2 | 1½ |
| West Cumberland Iron and Steel, Workington | West Cumberland Iron and Steel Co., Ltd. | 6 | 4 |
| Workington Iron and Steel, Workington | Workington Hæmatite Iron and Steel Co., Ltd. | 3 | 1½ |
| Totals | | 49 | 30½ |
| Total make of pig iron, 900,433 tons. Total iron ore used, 1,649,397 tons. Total coal used (including coal converted into coke), 1,781,606 tons. | | | |
| DENBIGHSHIRE: | | | |
| Brymbo, Brymbo, Wrexham | Brymbo Steel Co., Ltd. | 3 | 2 |
| Ffrwd, Wrexham | James Sparrow & Son | 2 | 1 |
| Rnabon, Rnabon | New British Iron Co., Ltd. | 2 | — |
| Totals | | 7 | 3 |
| Total make of pig iron, including that of Flintshire, 68,001 tons. Total iron ore used, 139,303 tons. Total coal used (including coal converted into coke), 168,333 tons. | | | |
| DERBYSHIRE: | | | |
| Alfreton, Riddings, Alfreton | James Oakes & Co. | 3 | 3 |
| Butterley, Alfreton | The Butterley Co., Ltd. | 2 | 2 |
| Clay Cross, Chesterfield | The Clay Cross Co. | 3 | 2 |
| Codnor Park, Alfreton | The Butterley Co., Ltd. | 3 | ½ |
| Denby, Derby | Exors. of the late George Dawes | 4 | — |
| Erewash Valley, Ilkeston | Erewash Valley Iron Co., Ltd. | 4 | — |
| Renishaw, Eckington | Appleby & Co. | 2 | 2 |
| Sheepbridge, Chesterfield | Sheepbridge Coal and Iron Co., Ltd. | 8 | 5 |
| Stanton, Nottingham | Stanton Iron Works Co., Ltd. | 8 | 8 |
| Staveley, Chesterfield | Staveley Coal and Iron Co., Ltd. | 8 | 7 |
| Wingerworth, Chesterfield | Wingerworth Iron Co. | 3 | 3 |
| Totals | | 48 | 32½ |
| Total make of pig iron, 378,464 tons. Total iron ore used, 1,049,938 tons. Total coal used (including coal converted into coke), 831,622 tons. | | | |
| DURHAM: | | | |
| Carlton, Stockton-on-Tees | Carlton Iron Co., Ltd. | 3 | 3 |
| Clarence, Port Clarence | Bell Brothers, Ltd. | 12 | 10 |
| Consett, Blackhill, Durham | Consett Iron Co., Ltd. | 7 | 6 |
| Ferry Hill, Ferry Hill | John Rogerson | 8 | — |
| Jarrow, Jarrow-on-Tyne | Palmer's Shipbuilding and Iron Co., Ltd. | 4 | 4 |
| Middleton, Darlington | Executors of the late George Wythes | 4 | — |
| Norton, Stockton-on-Tees | Wm. Slater & Sons | 3 | — |
| Seaton Carew, West Hartlepool | Seaton Carew Iron Co., Ltd. | 3 | 3 |
| Tees Bridge, Stockton-on-Tees | Tees Bridge Iron Co., Ltd. | 3 | 3 |
| Towlaw, Darlington | Weardale Iron and Coal Co., Ltd. | 2 | — |
| Tudhoe, Spennymoor | Ditto ditto | 2 | 1 |
| Vane, Seaham Harbour | Watson, Kipling, & Co., Ltd. | 2 | — |
| Witton Park, Bishop Auckland | Bolckow, Vaughan, & Co., Ltd. | 2 | — |
| Totals | | 55 | 30 |
| Total make of pig iron, 802,267 tons. Total iron ore used, 1,994,244 tons. Total coal used (including coal converted into coke), 1,598,393 tons. | | | |

Weardale Blast Furnace Statistics for 1880s

Durham iron ore Mines record (p.155) in 1889, pub 1891

YEAR 1889.]

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[IRON ORE.]

Iron Ore from Mines—continued.

| Name of Mine. | Where situated. | Owner. | Quantity. | Average per-centage of Iron obtainable. | Value of the Ore at the Mines. | | | |
|--|-----------------|--|-------------|---|--------------------------------|---------|----|--------|
| CUMBERLAND—cont. | | | | | | | | |
| Mowbray - R.H. | Frizington | Mowbray Iron Ore Co., Ltd. | Tons. 2,860 | 52 | £ | | | |
| New Parkside | Ditto | New Parkside Mining Co., Ltd. | 44,471 | — | | | | |
| Pallaflat | Bigrigg | Maryport Hæmatite Iron and Steel Co., Ltd. | 69,932 | 59 | | | | |
| Park House | Ditto | Charles Cammell & Co. | — | — | | | | |
| Parkside | Frizington | Parkside Mining Co. | 55,482 | — | | | | |
| Parkside,Winder | Winder | Ditto | 506 | — | | | | |
| Postlethwaites Eskett | Eskett | Postlethwaites Eskett Mining Co., Ltd. | 27,458 | — | | | | |
| Row Foot | Cleator | S. and J. Lindow | 15,682 | 55 | | | | |
| Salter Hall | Frizington | Thomas Dixon & Co. | 6,816 | — | | | | |
| Sir John Walsh | Moor Row | S. and J. Lindow | 16,149 | 60 | | | | |
| Southam | Egremont | Southam Hæmatite Co. | 23,411 | — | | | | |
| Syke House | Pallaflat | S. and J. Lindow | 906 | 60 | | | | |
| Winder (Agnes Pits) | Frizington | Winder Iron Ore Co. | 15,019 | 55 | | | | |
| Windergill | Eskett | Windergill Iron Ore Co. | 12,824 | — | | | | |
| Woodend | Ditto | James Bain & Co. | 52,185 | 55 | | | | |
| Wyndham | Ditto | Wyndham Mining Co., Ltd. | 78,792 | 54 | | | | |
| Totals | | | 1,593,890 | 56 | | 956,333 | | |
| DEVONSHIRE: | | | | | | | | |
| Bawley - B. | Molland | Molland Mining Co. | 3,125 | — | 781 | | | |
| Kelley | Lustleigh | W. H. Hosking | 30 | — | 3 | | | |
| Spreacombe Vale | | Spreacombe Vale Mining Co., Ltd. | 125 | — | 31 | | | |
| Totals | | | 3,280 | 50 | 815 | | | |
| DURHAM: | | | | | | | | |
| Carrick's or Craig's Level - B. | Weardale | Weardale Iron & Coal Co., Ltd. | 2,087 | 30 | 783 | | | |
| Middlehope | Ditto | Ditto | 1,857 | 30 | 696 | | | |
| Rowantree "A" | Ditto | Ditto | 47 | 30 | 18 | | | |
| Totals | | | 3,991 | 30 | 1,497 | | | |
| FLINTSHIRE: | | | | | | | | |
| Coed Llan | Bodfari | Thomas Gee | — | — | — | | | |
| Totals (included with Glamorganshire). | | | | | | | | |
| GLAMORGANSHIRE: | | | | | | | | |
| Trecastle - B. | Llanharry | Mwyndy Iron Ore Co., Ltd. | — | — | — | | | |
| Totals (including Flintshire) | | | | | | | | |
| 12,043 | | | | | | | | |
| — | | | | | | | | |
| 5,933 | | | | | | | | |
| GLOUCESTERSHIRE: | | | | | | | | |
| BRISTOL DIVISION: | | | | | | | | |
| Wookey | | | Nil. | | | | | |
| FOREST OF DEAN. B. | | | | | | | | |
| Bow | Bream | I. Downard | 52,156 | 40 | 19,558 | | | |
| Buckshaft | Cinderford | Henry Crawshay & Co., Ltd. | | | | | | |
| China | Bream | | | | | | | |
| Crows Nest | Newland | High Meadows Iron Ore Co. | | | | | | |
| Easter | Coleford | Easter Iron Ore Co. | | | | | | |
| Edge Hill | Mitcheldean | Dowlais Iron Co. | | | | | | |
| Highmeadow | Highmeadow | Highmeadow Iron Ore Co. | | | | | | |
| Limekiln Pool | Coleford | Lydbrook Iron Mines Co. | | | | | | |
| Lydbrook | Lydbrook | | | | | | | |
| New Dun Pit | Coleford | C. Goulder | | | | | | |
| Old Ham | Ditto | W. H. Fryer | | | | | | |
| Old Sling Pit | | | | | | | | |
| Park | Lydney | Park Iron Ore and Coal Co. | | | | | | |
| Perseverance | East Dean | Henry Crawshay and Sons | | | | | | |
| Shakemantle | Cinderford | | | | | | | |
| Yew Tree | Bream | John Shingles | | | | | | |
| Totals | | | | | | *52,156 | 40 | 19,558 |

* Of this quantity the mines in the Crown property produced 41,111 tons (Gaveller's Return).

Weardale Blast Furnace Statistics for 1880s

Durham iron ore Openworks record (p.157) in 1889, pub 1891

YEAR 1889.]

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[IRONSTONE.

IRONSTONE FROM OPENWORKS.

SUMMARY of the PRODUCTION of IRON ORE from OPENWORKS, and of PIG IRON obtainable therefrom.

| County. | Iron Ore. | | | Pig Iron obtainable. | |
|---|------------------|----------------|---|----------------------|------------------|
| | Quantity. | Value. | Average per-centage of Iron obtainable. | Quantity. | Value. |
| ENGLAND AND WALES: | | | | | |
| | Tons. | £ | | Tons. | £ |
| Durham | - | - | - | - | - |
| Leicestershire | 582,858 | 58,286 | 34 | 198,171 | 2,874,236 |
| Lincolnshire | 1,462,408 | 182,801 | 33 | 482,594 | |
| Northamptonshire | 1,257,080 | 157,135 | 36 | 452,549 | |
| Oxfordshire | 119,781 | 14,973 | 34 | 39,844 | |
| Rutlandshire | | | 33 | | |
| Wiltshire | - | - | - | - | |
| TOTALS FOR THE UNITED KINGDOM FOR 1889 | 3,422,127 | 413,195 | -- | 1,173,158 | 2,874,236 |

DETAILS OF PRODUCTION.

| Name of Openwork. | Where situated. | Owner. | Quantity. | Average per-centage of Iron obtainable. | Value of the Ore at the Openworks. |
|----------------------------|-----------------|---|----------------|---|------------------------------------|
| DURHAM: | | | | | |
| Weardale | Weardale | Weardale Iron and Coal Co., Ltd. | Nil | - | £ - |
| LEICESTERSHIRE: | | | | | |
| Eastwell | Melton Mowbray | Staveley Co. and Bestwood Iron and Coal Co., Ltd. | 582,858 | 34 | 58,286 |
| Eaton | Ditto | Holwell Iron Co., Ltd., Ashfordby. | | | |
| Harston | Ditto | Stanton Iron Works Co., Ltd. | | | |
| Holwell | Ditto | Ditto ditto | | | |
| Ditto | Ditto | Holwell Iron Co., Ltd., Ashfordby. | | | |
| Ditto | Ditto | E. P. Davis | | | |
| Waltham | Ditto | Staveley Iron Co. and J. Oakes & Co. | | | |
| Wartnaby | Ditto | Stanton Iron Works Co., Ltd. | | | |
| Totals | | | 582,858 | 34 | 58,286 |
| LINCOLNSHIRE: | | | | | |
| Caythorpe | Grantham | Stanton Iron Works Co., Ltd. | 1,462,408 | 33 | 182,801 |
| Ditto | Ditto | Mrs. F. Cohen | | | |
| Ditto | Ditto | West Yorkshire Iron and Coal Co., Ltd., 74, Wellington Street, Leeds. | | | |
| Frodingham | Frodingham | Lord St. Oswald | | | |
| Ditto | Ditto | Frodingham Iron Co. | | | |
| Ditto | Ditto | Sheepbridge Coal and Iron Co., Ltd., Chesterfield. | | | |
| Park Gate | Ditto | Park Gate Iron and Steel Co., Ltd., Rotherham. | | | |
| Midland | Ditto | Staveley Co., Ltd., J. Brown & Co., and Park Gate Co. | | | |
| Normanby | Scunthorpe | William Cooke & Co., Ltd., Sheffield. | | | |
| Trent | Ditto | Trent Iron Co. | | | |
| Warren | Frodingham | George Dove | | | |
| Woolsthorpe | Grantham | Stanton Iron Works Co., Ltd. | | | |
| Totals (incomplete) | | | | | |

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