

Weardale Blast Furnace Statistics for 1890s

This document comprises parts of the Geological Survey Mineral Statistics relating to blast furnaces in Weardale in the 1890s. It includes the blast furnaces at Tow Law and Witton Park, using Mineral Statistics published between 1891 and 1898, with records for 1890 to 1897.

Records do exist for 1898 onwards, but appear not to be available on-line and are not relevant to Weardale as the blast furnaces are no longer in use by then.

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", "Weardale Blast Furnace Statistics for 1870s" and "Weardale Blast Furnace Statistics for 1890s".

The statistics record number of blast furnaces and number in blast. In the 1890s no information is provided about mills and forges, Bessemer converters and Open-hearth steel works.

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

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

The record for 1897, published 1898 is not on-line on the British Geological Survey, but is on Google Books, but only searchable for snippet views and not as full page views. So the relevant snippets are given here.

During the 1890s, responsibility for the Mining Records Office was with the Mines Department of the Home Office and the Mineral 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.

MINES AND MINERALS.



MINERAL STATISTICS

OF THE

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

For the Year 1890.

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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32, ABINGDON STREET, WESTMINSTER, S.W.; or
JOHN MENZIES & Co., 12, HANOVER STREET, EDINBURGH, and
88 and 90, WEST NILE STREET, GLASGOW; or
HODGES, FIGGIS, & Co., 104, GRAFTON STREET, DUBLIN.

1891.

[C.—6364.] Price 1s. 4½d.

Weardale Blast Furnace Statistics for 1890s
Weardale blast furnaces in 1890, and 1891

YEAR 1890.]

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[IRON—PIG IRON.

Blast Furnaces—continued.

Name and Situation of Furnaces.	Owner.	Blast Furnaces.	
		Number.	In Blast.
DENBIGHSHIRE:			
Brymbo, Wrexham	Brymbo Steel Co., Ltd.	3	2
Ffrwd, Wrexham	James Sparrow & Son	2	$\frac{1}{2}$
Ruabon, Ruabon		2	0
Totals		7	$2\frac{1}{2}$
Total make of pig iron, including that of Flintshire, 64,539 tons. Total iron ore used, 141,642 tons. Total coal used (including coal converted into coke), 153,618 tons.			
DERBYSHIRE:			
Alfreton, Riddings, Alfreton	James Oakes & Co.	3	3
Butterley, Alfreton	The Butterley Co., Ltd.	5	3
Clay Cross, Chesterfield	The Clay Cross Co.	2	2
Codnor Park, Alfreton	The Butterley Co., Ltd.	3	1
Denby, Derby	The Denby Iron and Coal Co., Ltd.	4	$\frac{3}{4}$
Erewash Valley, Ilkeston	E. P. Davis	4	$\frac{3}{4}$
Renishaw, Eckington	Appleyby & Co.	2	2
Sheepbridge, Chesterfield	Sheepbridge Coal and Iron Co., Ltd.	8	5
Stanton, Nottingham	Stanton Iron Works Co., Ltd.	8	7
Staveley, Chesterfield	Staveley Coal and Iron Co., Ltd.	7	6
Wingerworth, Chesterfield	Wingerworth Iron Co.	3	$2\frac{1}{2}$
Totals		49	32
Total make of pig iron, 387,760 tons. Total iron ore used, 1,117,258 tons. Total coal used (including coal converted into coke), 924,366 tons.			
DURHAM:			
Carlton, Stockton-on-Tees	Carlton Iron Co., Ltd.	3	3
Clarence, Port Clarence	Bell Brothers, Ltd.	12	$10\frac{1}{2}$
Consett, Blackhill, Durham	Consett Iron Co., Ltd.	7	6
Ferry Hill, Ferry Hill	John Rogerson	8	0
Jarrow, Jarrow-on-Tyne	Palmer's Shipbuilding and Iron Co., Ltd.	4	$3\frac{1}{2}$
Middleton, Darlington	Executors of the late George Wythes	4	0
Norton, Stockton-on-Tees	Wm. Slater & Sons	3	0
Seaton Carew, West Hartlepool	Seaton Carew Iron Co., Ltd.	3	5
Tees Bridge, Stockton-on-Tees	Tees Bridge Iron Co., Ltd.	3	2
Towlaw, Darlington	Weardale Iron and Coal Co., Ltd.	2	0
Tudhoe, Spennymoor	Ditto ditto	2	1
Vane, Seaham Harbour	Watson, Kipling, & Co., Ltd.	2	0
Witton Park, Bishop Auckland	Bolckow, Vaughan, & Co., Ltd.	2	0
Totals		55	$29\frac{1}{2}$
Total make of pig iron, 792,932 tons. Total iron ore used, 1,997,663 tons. Total coal used (including coal converted into coke), 1,566,471 tons.			
FLINTSHIRE:			
Mostyn, Mostyn	Darwen and Mostyn Iron Co., Ltd.	3	2
The make of pig iron, and the quantity of iron ore and coal used, are included in the figures for Denbighshire.			
GLAMORGANSHIRE:			
Amman, Brynamman	Amman Iron Co.	3	$\frac{3}{4}$
Abernant and Taff Vale, Aberdare	The Aberdare Works and Collieries Co.	2	0
Briton Ferry	Briton Ferry Works Reconstruction Co., Ltd.	2	$\frac{1}{2}$
Cwm Avon Coal, Iron and Steel, Port Talbot.	Wright, Butler, & Co., Ltd.	2	$\frac{3}{4}$
Cyfarthfa, Iron and Steel, Merthyr Tydfil.	Crawshaw Brothers	8	$3\frac{3}{4}$
Dowlais, Dowlais	Dowlais Iron Co.	15	8
Forest Iron and Steel, Pontypridd	Forest Iron and Steel Co., Ltd.	3	$1\frac{1}{2}$
Llwydcoed, Aberdare	The Aberdare Works and Collieries Co.	3	0
Pyle, Bridgend	Pyle and Blaina Works, Ltd.	1	1
Swansea, Landore	Swansea Hematite Iron Co., Ltd.	2	1
Tondu, Bridgend	North's Navigation Co., Ltd.	1	1
Ystalyfera, Swansea	Ystalyfera Iron and Tinplate Co., Ltd.	11	0
Totals		53	$16\frac{3}{4}$
Total make of pig iron, 416,874 tons. Total iron ore used, 803,230 tons. Total coal used (including coal converted into coke), 758,971 tons.			

Weardale Blast Furnace Statistics for 1890s

Durham iron ore Mines record (p.43) in 1890, pub 1891

YEAR 1890.]

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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.
			Tons.		£
CUMBERLAND—cont.					
Mowbray - R.H.	Frizington	Mowbray Iron Ore Co., Ltd.	9,487	50	894,474
New Parkside "	Ditto	New Parkside Mining Co., Ltd.	37,260	—	
Pallaflat - "	Bigrigg	Maryport Hæmatite Iron and Steel Co., Ltd.	51,486	56	
Park House - "	Ditto	Charles Cammell & Co.	10,900	—	
Parkside, No. 19 "	Frizington	Parkside Mining Co.	27,863	—	
Winder, No. 20 "	Winder	Ditto	8,358	—	
Postlethwaites Eskett "	Eskett	Postlethwaites Eskett Mining Co., Ltd.	23,270	—	
Row Foot, <i>see Longlands.</i>	Cleator	S. and J. Lindow	—	55	
Salter Hall - "	Frizington	Thomas Dixon & Co.	10,621	50	
Sir John Walsh - "	Moor Row	S. and J. Lindow	11,166	60	
Southam - "	Bigrigg	Southam Hæmatite Co.	14,552	—	
Syke House - "	Pallaflat	S. and J. Lindow	8,892	60	
Whitcham - "	Kirkstanton	Wincham Mining Co.	7,186	—	
Winder Gill - "	Eskett	Winder Gill Iron Ore Co.	26,980	—	
Woodend - "	Ditto	James Bain & Co.	53,904	53	
Ditto - "	Egremont	Moss Bay Hæmatite Iron and Steel Co., Ltd.	11,255	55	
Wyndham - "	Eskett	Wyndham Mining Co., Ltd.	70,779	54	
Totals			1,431,159	55	894,474
DEVONSHIRE:					
Molland - B.	Molland	Molland Mining Co.	4,125	—	1,031
Kelley - "	Lustleigh	W. H. Hosking	30	—	90
Spreacombe Vale "		Spreacombe Vale Mining Co., Ltd.	—	—	—
Totals			4,155	50	1,121
DURHAM:					
Carrick's or Craig's Level. B.	Weardale	Weardale Iron & Coal Co., Ltd.	6,476	30	2,429
Middlehope - "	Ditto	Ditto	25	30	9
Rowantree "A" "	Ditto	Ditto	3,047	30	1,143
Totals			9,548	30	3,581
FLINTSHIRE:					
Coed Llan - "	Bodfari	Thomas Gee	—	—	—
Totals (included with Glamorganshire).					
GLAMORGANSHIRE:					
Trecastle - B.	Llanharry	Trecastle Iron Ore Co., Ltd.	9,423	50	5,653
Totals (including Flintshire)					
GLOUCESTERSHIRE:					
BRISTOL DIVISION:					
Wookey - "	Bream	H. Kear	—	—	—
Bream Tufts - "			—	—	—
FOREST OF DEAN. B.					
Bow - "	Bream	I. Downard	65,611	40	37,651
Buckshaft - "	Cinderford	Henry Crawshay & Co., Ltd.			
China - "	Bream				
Crossways - "	Coleford	J. Shingles			
Crows Nest - "	Newland	High Meadows Iron Ore Co.			
Easter - "	Coleford	Eastor Iron Ore Co.			
Edge Hill - "	Mitcheldean	Dowlais Iron Co.			
Ham - "	Coleford	Forest Hæmatite Co.			
Highmeadow - "	Highmeadow	Highmeadow Iron Ore Co.			
Lambs Quay - "	Coleford	Forest Hæmatite Co.			
Limekiln - "	Lydbrook	Lydbrook Iron Mines Co.			
Lydbrook - "	Ditto				
New Dun Pit - "	Coleford	C. Goulder			
Oakwood - "	Bream	Oakwood Iron Co.			
Old Sling Pit - "	Coleford	W. H. Fryer			
Park - "	Lydney	Park Iron Mines and Collieries Co., Ltd.			
Perseverance - "	East Dean	Henry Crawshay and Sons			
Shakemantle - "	Cinderford				
Totals			*65,611	40	37,651

* Of this quantity the mines in the Crown property produced 51,596 tons (Gaveller's Return).

Weardale Blast Furnace Statistics for 1890s

Durham iron ore Openworks record (p.45) in 1890, pub 1891

YEAR 1890.]

45

[IRON ORE.

IRON ORE 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.
ENGLAND:	Tons.	£		Tons.
Durham -	1,940	727	30	582
Leicestershire -	609,964	60,996	34	207,888
Lincolnshire -	981,400	122,675	33	323,862
Northamptonshire -	1,278,381	143,818	36	460,217
Oxfordshire -	143,339	21,500	—	47,302
Rutlandshire -			34	
Wiltshire -			33	
TOTALS FOR THE UNITED KINGDOM FOR 1890 -	3,015,024	349,716	—	1,039,351

DETAILS OF PRODUCTION.

Name of Openwork.	Where situated.	Owner.	Quantity.	Average per-centage of Iron obtainable.	Value of the Ore at the Openworks.				
DURHAM:			Tons.		£				
Weardale -	Weardale -	Weardale Iron and Coal Co., Ltd.	1,940	30	727				
LEICESTERSHIRE:									
Eastwell - . B.	Melton Mowbray	Staveley Co. and Bestwood Iron and Coal Co., Ltd. Holwell Iron Co., Ltd., Ashfordby. Stanton Iron Works Co., Ltd. Ditto ditto - Holwell Iron Co., Ltd., Ashfordby. E. P. Davis - Staveley Iron Co. and J. Oakes & Co. Stanton Iron Works Co., Ltd.	609,964	34	60,996				
Eaton -	Ditto -								
Harston -	Ditto -								
Holwell -	Ditto -								
Ditto -	Ditto -								
Waltham -	Ditto -								
Wartnaby -	Ditto -								
Totals -			609,964	34	60,996				
LINCOLNSHIRE:									
Caythorpe - . B.	Grantham	Stanton Iron Works Co., Ltd. Mrs. F. Cohen - West Yorkshire Iron and Coal Co., Ltd., 74, Wellington Street, Leeds. Lord St. Oswald - Midland Iron Co. - Sheepbridge Coal and Iron Co., Ltd., Chesterfield. Park Gate Iron and Steel Co., Ltd., Rotherham. Staveley Co., Ltd., J. Brown & Co., and Park Gate Co. William Cooke & Co., Ltd., Sheffield. Trent Iron Co. - George Dove - Stanton Iron Works Co., Ltd.	981,400	33	122,675				
Ditto -	Ditto -								
Ditto -	Ditto -								
Frodingham -	Frodingham								
Ditto -	Ditto -								
Ditto -	Ditto -								
Gunhouse, Park Gate -	Ditto -								
Midland -	Ditto -								
Normanby -	Scunthorpe								
Trent -	Ditto -								
Warren -	Frodingham								
Woolsthorpe -	Grantham								
Totals (incomplete) -							981,400	33	122,675

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90, WEST NILE STREET, GLASGOW; or
HODGES, FIGGIS, & Co., 104, GRAFTON STREET, DUBLIN.

1892.

[C.—6657.] Price 1s. 4½d.

Weardale Blast Furnace Statistics for 1890s
Weardale blast furnaces in 1891, pub 1892

IRON—PIG IRON.]

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[YEAR 1891.]

Blast Furnaces—*continued.*

Name and Situation of Furnaces.	Owner.	Blast Furnaces.	
		Number.	In Blast.
DENBIGHSHIRE:			
Brymbo, Wrexham - - - -	Brymbo Steel Co., Ltd. - - - -	2	2
Ffrwd, Wrexham - - - -	James Sparrow & Son - - - -	2	0
Totals - - - -	- - - -	5	2
Total make of pig iron, including that of Flintshire, 53,677 tons. Total iron ore used, 127,401 tons. Total coal used (including coal converted into coke), 148,145 tons.			
DERBYSHIRE:			
Alfreton, Riddings, Alfreton - - - -	James Oakes & Co. - - - -	3	3
Butterley, Alfreton - - - -	The Butterley Co., Ltd. - - - -	2	1 $\frac{8}{12}$
Clay Cross, Chesterfield - - - -	The Clay Cross Co. - - - -	3	2
Codnor Park, Alfreton - - - -	The Butterley Co., Ltd. - - - -	3	1 $\frac{7}{12}$
Denby, Derby - - - -	The Denby Iron and Coal Co., Ltd. - - - -	4	1 $\frac{5}{12}$
Erewash Valley, Ilkeston - - - -	E. P. Davis - - - -	3	2 $\frac{3}{12}$
Renishaw, Eckington - - - -	Appley & Co. - - - -	4	2
Sheepbridge, Chesterfield - - - -	Sheepbridge Coal and Iron Co., Ltd. - - - -	8	5
Stanton, Nottingham - - - -	Stanton Iron Works Co., Ltd. - - - -	8	7 $\frac{5}{12}$
Staveley, Chesterfield - - - -	Staveley Coal and Iron Co., Ltd. - - - -	7	6 $\frac{3}{12}$
Wingerworth, Chesterfield - - - -	Wingerworth Iron Co. - - - -	3	2 $\frac{3}{12}$
Totals - - - -	- - - -	48	32 $\frac{6}{12}$
Total make of pig iron, 387,127 tons. Total iron ore used, 1,115,291 tons. Total coal used (including coal converted into coke), 926,733 tons.			
DURHAM:			
Carlton, Stockton-on-Tees - - - -	Carlton Iron Co., Ltd. - - - -	3	2 $\frac{7}{12}$
Clarence, Port Clarence - - - -	Bell Brothers, Ltd. - - - -	12	11
Consett, Blackhill, Durham - - - -	Consett Iron Co., Ltd. - - - -	7	5 $\frac{2}{12}$
Ferry Hill, Durham - - - -	John Rogerson & Co., Ltd. - - - -	8	0
Jarrow, Jarrow-on-Tyne - - - -	Palmer's Shipbuilding and Iron Co., Ltd. - - - -	5	3 $\frac{10}{12}$
Middleton, Darlington - - - -	Executors of the late George Wythes - - - -	4	0
Norton, Stockton-on-Tees - - - -	Wm. Slater & Sons - - - -	3	0
Seaton Carew, West Hartlepool - - - -	Seaton Carew Iron Co., Ltd. - - - -	3	2 $\frac{8}{12}$
Tees Bridge, Stockton-on-Tees - - - -	Tees Bridge Iron Co., Ltd. - - - -	3	2
Towlaw, Darlington - - - -	Weardale Iron and Coal Co., Ltd. - - - -	2	0
Tudhoe, Spennymoor - - - -	Ditto ditto - - - -	2	1
Vane, Seaham Harbour - - - -	Watson, Kipling, & Co., Ltd. - - - -	2	0
Witton Park, Bishop Auckland - - - -	Bolckow, Vaughan, & Co., Ltd. - - - -	2	0
Totals - - - -	- - - -	56	27 $\frac{11}{12}$
Total make of pig iron, 814,875 tons. Total iron ore used, 2,076,418 tons. Total coal used (including coal converted into coke), 1,571,997 tons.			
FLINTSHIRE:			
Mostyn, Mostyn - - - -	Darwen and Mostyn Iron Co., Ltd. - - - -	3	2
The make of pig iron, and the quantity of iron ore and coal used, are included in the figures for Denbighshire.			
GLAMORGANSHIRE:			
Amman, Brynamman, Swansea - - - -	Amman Iron Co. - - - -	3	1 $\frac{5}{12}$
Briton Ferry, Briton Ferry - - - -	Briton Ferry Works Reconstruction Co., Ltd. - - - -	2	1
Cwm Avon Coal, Iron and Steel, Port Talbot - - - -	Wright, Butler, & Co., Ltd. - - - -	2	1 $\frac{6}{12}$
Cyfarthfa, Iron and Steel, Treforest, Merthyr Tydfil - - - -	Crawshay Brothers - - - -	8	3 $\frac{9}{12}$
Dowlais, Dowlais - - - -	Dowlais Iron Co. - - - -	18	8
Forest Iron and Steel, Pontypridd - - - -	Forest Iron and Steel Co., Ltd. - - - -	3	0
Llwydcoed, Aberdare - - - -	The Aberdare Works and Collieries Co. - - - -	3	0
Pyle, Bridgend - - - -	Pyle and Blaina Works, Ltd. - - - -	1	1
Swansea Hæmatite Iron, Landore, R.S.O. - - - -	Swansea Hæmatite Iron Co., Ltd. - - - -	2	1
Tondu, Bridgend - - - -	North's Navigation Collieries (1889), Ltd. - - - -	2	1
Ystalyfera, Swansea - - - -	Ystalyfera Iron and Tinplate Co., Ltd. - - - -	11	0
Totals - - - -	- - - -	55	16 $\frac{5}{12}$
Total make of pig iron, 424,533 tons. Total iron ore used, 830,688 tons. Total coal used (including coal converted into coke), 827,426 tons.			

Weardale Blast Furnace Statistics for 1890s

Durham iron ore Mines record (p.44) in 1891, pub 1892

IRON ORE.]

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[YEAR 1891.]

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.			Tons.		£
Pallaflat - R.H.	Bigrigg	Maryport Hæmatite Iron and Steel Co., Ltd.	26,891	52	} 819,658
Park House - "	Ditto	Charles Cammell & Co.	12,926	—	
Parkside, No. 19 "	Frizington	Parkside Mining Co.	43,303	50	
Winder, No. 20 "	Ditto	"	11,252	—	
Postlethwaites Eskett "	Eskett	Postlethwaites Eskett Mining Co., Ltd.	22,812	—	
Row Foot, see Longlands. "	Cleator	S. and J. Lindow	—	55	
Salter Hall - "	Frizington	Thomas Dixon & Co.	4,562	50	
Sir John Walsh "	Moor Row	S. and J. Lindow	11,209	60	
Southam - "	Bigrigg	Southam Hæmatite Co.	8,768	—	
Syke House - "	Palaplat	S. and J. Lindow	20,569	60	
Whitcham - "	Kirkstanton	Wincham Mining Co.	35,094	—	
Winder Gill - "	Eskett	Winderhill Iron Ore Co.	20,045	—	
Woodend - "	Ditto	James Bain & Co.	48,396	54	
Ditto - "	Egremont	Moss Bay Hæmatite Iron and Steel Co., Ltd.	11,500	55	
Wyndham - "	Eskett	Wyndham Mining Co., Ltd.	49,052	54	
Totals -	-	-	1,417,860	54.5	819,658
DEVONSHIRE:					
Molland - B.	Molland	Molland Mining Co.	4,330	49	1,082
Kelley - "	Lustleigh	W. H. Hosking	30	—	90
Totals -	-	-	4,360	49	1,172
DURHAM:					
Carrick or Craig's Level. B.	Weardale	Weardale Iron & Coal Co., Ltd.	5,772	30	2,165
Rowantree "A" "	Ditto	Ditto	1,943	30	728
Totals -	-	-	7,715	30	2,893
FLINTSHIRE:					
Coed Llan -	Bodfari	Thomas Gee	—	—	—
Totals (included with Glamorganshire).					
GLAMORGANSHIRE:					
Trecastle - B.	Llanharry	Trecastle Iron Ore Co., Ltd.	1,007	51.5	629
Totals (including Flintshire)					
GLoucestershire:					
BRISTOL DIVISION:					
Wookey -	-	-	—	—	—
FOREST OF DEAN. B.					
Bow -	Bream	I. Downard	} 63,748	45	} 32,819
Bream Tufts -	Ditto	H. Kear			
Buckshaft -	Cinderford	Henry Crawshaw & Co., Ltd.			
China -	Bream				
Crossways -	Coleford	J. Shingles			
Crows Nest -	Newland	High Meadows Iron Ore Co.			
Easter -	Coleford	Easter Iron Ore Co.			
Edge Hill -	Mitcheldean	Dowlais Iron Co.			
Flam -	Coleford	Forest Hæmatite Co.			
Highmeadow -	Ditto	Highmeadow Iron Ore Co.			
Lamb's Quay -	Ditto	Forest Hæmatite Co.			
Limekiln -	Lydbrook	Lydbrook Iron Mines Co.			
Lydbrook -	Ditto				
New Dun Pit -	Coleford	C. Goulder			
New Box Bush -	-	-			
Oakwood -	Bream	Oakwood Iron Co.			
Old Sling Pit -	Coleford	W. H. Fryer			
Park -	Lydney	Park Iron Mines and Collieries Co., Ltd.			
Perseverance -	East Dean	Henry Crawshaw and Sons			
Shakemantle -	Coleford				
High Meadow (Red Oxide) -	Coleford	Highmeadow Iron Ore Co.			
Totals -	-	-	*63,748	45	32,819

* Of this quantity the mines in the Crown property produced 50,812 tons (Gaveller's Return).

Weardale Blast Furnace Statistics for 1890s

Durham iron ore Openworks record (p.46) in 1891, pub 1892

IRON ORE.]

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[YEAR 1891.]

IRON ORE 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.
ENGLAND AND WALES :				
Durham	Tons.	£	—	Tons.
Leicestershire	Nil.	—	—	—
Lincolnshire	646,125	72,689	34	219,682
Northamptonshire	1,138,092	142,142	33	375,570
Oxfordshire	1,043,541	117,398	36	375,675
Rutlandshire	144,578	17,094	32	46,265
Wiltshire				
TOTALS FOR THE UNITED KINGDOM FOR 1891				
	2,972,336	349,323	—	1,017,192

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.	Tons. Nil.	—	£ —				
LEICESTERSHIRE :									
Eastwell	B. Melton Mowbray	Staveley Co. and Bestwood Coal and Iron Cos., Ltd. Holwell Iron Co., Ashfordby. Stanton Iron Works Co., Ltd. Ditto ditto Holwell Iron Co., Ashfordby. Stanton Iron Works Co., Ltd. E. P. Davis - Staveley Iron Co. and J. Oakes & Co. Stanton Iron Works Co., Ltd.	646,125	34	72,689				
Eaton	„ Ditto								
Harston	„ Ditto								
Holwell	„ Ditto								
Ditto	„ Ditto								
Ditto	„ Ditto								
Waltham	„ Ditto								
Wartnaby	„ Ditto								
Totals			646,125	34	72,689				
LINCOLNSHIRE :									
Caythorpe	B. Grantham	Stanton Iron Works Co., Ltd. Mrs. F. Cohen - West Yorkshire Iron and Coal Co., Ltd., 74, Wellington Street, Leeds. Lord St. Oswald - Midland Iron Co. - Sheepbridge Coal and Iron Co., Ltd., Chesterfield. Park Gate Iron and Steel Co., Ltd., Rotherham. Staveley Co., Ltd., J. Brown & Co., and Park Gate Co. William Cooke & Co., Ltd., Sheffield. Trent Iron Co. - George Dove Stanton Iron Works Co., Ltd.	1,138,092	33	142,142				
Ditto	„ Ditto								
Ditto	„ Ditto								
Frodingham	„ Frodingham								
Ditto	„ Ditto								
Ditto	„ Ditto								
Gunhouse, Park Gate.	„ Ditto								
Midland	„ Ditto								
Normanby	„ Scunthorpe								
Trent	„ Ditto								
Warren	„ Frodingham								
Woolthorpe	„ Grantham								
Totals							1,138,092	33	142,142

MINES AND MINERALS.



MINERAL STATISTICS

OF THE

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

For the Year 1892.

PREPARED BY HER MAJESTY'S INSPECTORS OF MINES

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



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90, WEST NILE STREET, GLASGOW; or
HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

1893.

[C.—7024.] *Price 1s. 5d.*

Weardale Blast Furnace Statistics for 1890s
Weardale blast furnaces in 1892, pub 1893

IRON—PIG IRON.]

52

[YEAR 1892.

Blast Furnaces—*continued.*

Name and Situation of Furnaces.	Owner.	Blast Furnaces.	
		Number.	Average in Blast during the Year
DENBIGHSHIRE:			
Brymbo, Wrexham - - -	Brymbo Steel Co., Ltd. - - -	2	2
Ffrwd, Wrexham - - -	James Sparrow & Son - - -	2	0
Totals - - -	- - -	5	2
Total make of pig iron, including Flintshire, 45,573 tons. Total iron ore used, 98,276 tons. Total coal used (including coal converted into coke), 125,642 tons.			
DERBYSHIRE:			
Alfreton, Riddings, Alfreton - -	James Onkes & Co. - - -	3	3
Butterley, Alfreton - - -	The Butterley Co., Ltd. - - -	2	1
Clay Cross, Chesterfield - - -	The Clay Cross Co. - - -	3	2
Codnor Park, Alfreton - - -	The Butterley Co., Ltd. - - -	3	0
Denby, Derby - - -	The Denby Iron and Coal Co., Ltd. - -	4	1
Erewash Valley, Ilkeston - - -	E. P. Davis - - -	4	0
Renishaw, Chesterfield - - -	Appleby & Co. - - -	3	2
Sheepbridge, Chesterfield - - -	Sheepbridge Coal and Iron Co., Ltd. - -	8	3 $\frac{1}{2}$
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 - - -	- - -	49	30 $\frac{1}{2}$
Total make of pig iron, including Nottinghamshire, 481,449 tons. Total iron ore used, 1,400,692 tons. Total coal used (including coal converted into coke), 1,120,623 tons.			
DURHAM:			
Carlton, Stockton-on-Tees - - -	Carlton Iron Co., Ltd. - - -	3	1 $\frac{1}{2}$
Clarence, Port Clarence - - -	Bell Brothers, Ltd. - - -	12	8 $\frac{3}{4}$
Consett, Blackhill, Durham - - -	Consett Iron Co., Ltd. - - -	7	5 $\frac{3}{4}$
Ferry Hill, West Carningford, R.S.O. -	John Rogerson - - -	4	0
Jarrow, Jarrow-on-Tyne - - -	Palmer's Shipbuilding and Iron Co., Ltd. -	5	1 $\frac{1}{2}$
Middleton, Darlington - - -	Joseph Torbock - - -	4	0
Norton, Stockton-on-Tees - - -	Norton Iron Co. - - -	3	0
Seaton Carew, West Hartlepool - - -	Seaton Carew Iron Co., Ltd. - - -	3	2
Stockton, Stockton-on-Tees - - -	Joseph Torbock - - -	2	0
Tees Bridge, Stockton-on-Tees - - -	Tees Bridge Iron Co., Ltd. - - -	3	1 $\frac{1}{2}$
Towlaw, Darlington - - -	Weardale Iron and Coal Co., Ltd. - - -	2	0
Tudhoe, Spennymoor - - -	Ditto ditto - - -	2	1
Vane, Seaham Harbour - - -	Watson, Kipling, & Co., Ltd. - - -	2	0
Witton Park, Bishop Auckland - - -	Bolckow, Vaughan, & Co., Ltd. - - -	2	0
Totals - - -	- - -	54	21 $\frac{3}{4}$
Total make of pig iron, including Northumberland, 610,892 tons. Total iron ore used, 1,524,190 tons. Total coal used (including coal converted into coke), 1,150,396 tons.			
FLINTSHIRE:			
Mostyn, Mostyn - - -	Darwen and Mostyn Iron Co., Ltd. - - -	2	2
The make of pig iron, and the quantity of iron ore and coal used, are included in the figures for Denbighshire.			
GLAMORGANSHIRE:			
Amman, Brynamman, Swansea - - -	Amman Iron Co. - - -	3	0
Briton Ferry, Briton Ferry - - -	Briton Ferry Works Reconstruction Co., Ltd. -	2	1
Cwm Avon Coal, Iron and Steel, Port Talbot.	Wright, Butler, & Co., Ltd. - - -	2	0
Cyfarthfa Iron and Steel, Treforest, Merthyr Tydfil.	Crawshaw Brothers, Cyfarthfa, Ltd. - - -	8	3
Dowlais, Dowlais and Cardiff - - -	Dowlais Iron Co. - - -	18	7
Forest Iron and Steel, Pontypridd - - -	Forest Iron and Steel Co., Ltd. - - -	3	0
Llwydcoed, Aberdare - - -	The Aberdare Works and Collieries Co. - -	3	0
Pyle, Bridgend - - -	Pyle and Blaina Works, Ltd. - - -	2	0
Swansea Hæmatite Iron, Landore, R.S.O.	Swansea Hæmatite Iron Co., Ltd. - - -	2	1 $\frac{1}{2}$
Tondu, Bridgend - - -	North's Navigation Collieries (1889), Ltd. -	1	1
Ystalyfera, Swansea - - -	Ystalyfera Iron and Tinplate Co., Ltd. - -	11	0
Totals - - -	- - -	55	13 $\frac{1}{2}$
Total make of pig iron, 420,710 tons. Total iron ore used, 805,264 tons. Total coal used (including coal converted into coke), 737,029 tons.			

Weardale Blast Furnace Statistics for 1890s

Durham iron ore Mines record (p.44) in 1892, pub 1893

IRON ORE.]

44

[YEAR 1892.]

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.					
Pallaflat - B.H.	Bigrigg	Maryport Hæmatite Iron and Steel Co., Ltd.	23,598	52	} 802,431
Park House - "	Ditto - "	Charles Cammell & Co., Ltd.	9,357	—	
Parkside, Nos. 19 and 20. "	Frizington	Parkside Mining Co.	40,608	50	
Postlethwaites Eskett. "	Eskett - "	Postlethwaites Eskett Mining Co., Ltd.	20,495	52	
Salter Hall - "	Frizington - "	Thomas Dixon & Co.	4,809	49	
Sir John Walsh "	Moor Row - "	S. and J. Lindow - "	11,704	60	
Southam - "	Bigrigg - "	Southam Hæmatite Co. - "	95	62	
Syke House - "	Pallaflat - "	S. and J. Lindow - "	12,646	60	
Whicham - "	Kirkstanton - "	Whicham Mining Co. - "	33,800	—	
Winder Gill - "	Eskett - "	Winder Gill Iron Ore Co. - "	23,600	50	
Woodend - "	Ditto - "	James Bain & Co. - "	23,292	50	
Ditto - "	Egremont - "	Moss Bay Hæmatite Iron and Steel Co., Ltd.	17,500	52	
Wyndham - "	Eskett - "	Wyndham Mining Co., Ltd.	49,052	53	
Totals -	-	-	1,355,007	53.6	802,431
DEVONSHIRE:					
Bovey Tracey - B.	Bovey Tracey	Nelson Bird -	48	—	100
Hawkmoor - "	Ditto - "	Otto Schmidt & Co. -	36	—	144
Shining Ore. Molland - "	Molland	Molland Mining Co. -	2,472	—	618
Totals -	-	-	2,556	49	862
DURHAM:					
Carrick or Craig's Level. Rowantree "A" - B.	Weardale	Weardale Iron & Coal Co., Ltd.	7,601	30	2,850
"	Ditto -	Ditto -	1,674	30	628
Totals -	-	-	9,275	30	3,478
FLINTSHIRE:					
Coed Llan -	Bodfari -	Thomas Gee -	Nil.	—	—
GLAMORGANSHIRE:					
Trecastle - B.	Llanharry	Trecastle Iron Ore Co., Ltd.	Nil.	—	—
GLOUCESTERSHIRE:					
BRISTOL DIVISION:					
Wookey -	-	-	-	-	-
FOREST OF DEAN. B.					
Bow -	Bream -	I. Downard -	} 63,149	45	28,332
Bream Tufts -	Ditto -	H. Kear -			
Buckshaft -	Cinderford -	Henry Crawshaw & Co., Ltd.			
China -	Bream -				
Crossways -	Coleford -	J. Shingles -			
Crows Nest -	Newland -	High Meadows Iron Ore Co.			
Easter -	Coleford -	Easter Iron Ore Co. -			
Edge Hill -	Mitcheldean -	Dowlais Iron Co. -			
Ham -	Coleford -	Forest Hæmatite Co.			
Highmeadow -	Ditto -	Highmeadow Iron Ore Co. -			
Limekiln -	Lydbrook -	Lydbrook Iron Mines Co. -			
Lydbrook -	Ditto -				
New Dun Pit -	Coleford -	C. Goulder -			
New Box Bush -	-	-			
Oakwood -	Bream -	Oakwood Iron Co. -			
Old Sling Pit -	Coleford -	W. H. Fryer -			
Park -	Lydney -	Park Iron Mines and Collieries Co., Ltd.			
Perseverance -	East Dean -	Henry Crawshaw and Sons -			
Shakemantle -	Cinderford -				
High Meadow (Red Oxide). -	Coleford -	Highmeadow Iron Ore Co. -			
Lamb's Quay (Red Oxide). -	Ditto -	Forest Hæmatite Co. -			
Totals -	-	-	*63,149	45	28,332

* Of this quantity the mines in the Crown property produced 48,616 tons (Gaveller's Return).

Weardale Blast Furnace Statistics for 1890s

Durham iron ore Openworks record (p.46) in 1892, pub 1893

IRON ORE.]

46

[YEAR 1892.

PRODUCTION OF IRON ORE.
FROM OPENWORKS.
SUMMARY.

County.	Iron Ore.			Pig Iron obtainable.
	Quantity.	Value.	Average per-centage of Iron obtainable.	Quantity.
ENGLAND AND WALES:				
Cumberland - - - - -	Tons. 931	£ 419	45	Tons. 419
Durham - - - - -	Nil.	—	—	—
Leicestershire - - - - -	680,985	70,936	34	231,535
Lincolnshire - - - - -	1,355,107	169,388	33	447,185
Northamptonshire - - - - -	1,120,365	116,704	36	403,331
Oxfordshire - - - - -	86,229	10,779	34	29,318
Rutlandshire - - - - -	-	-	-	-
Wiltshire - - - - -	70,866	33,661	30	21,260
TOTALS FOR THE UNITED KINGDOM FOR 1892 - - - - -	3,314,483	401,887	—	1,133,048

DETAILS OF PRODUCTION.

Name of Openwork.	Where situated.	Owner.	Quantity.	Average per-centage of Iron obtainable.	Value of the Ore at the Openworks.	
CUMBERLAND: Salter House	Rowrah	Thomas Dixon	Tons. 931	45	£ 419	
DURHAM: Weardale	Weardale	Weardale Iron and Coal Co., Ltd.	Nil.	—	—	
LEICESTERSHIRE: A. B.—Kettleby Eastwell	Melton Mowbray Ditto	Holwell Iron Co. - Staveley Co. and Bestwood Coal and Iron Cos., Ltd.	680,985	34	70,936	
Eaton	Ditto	Holwell Iron Co., Ashfordby.				
Harston	Ditto	Stanton Iron Works Co., Ltd.				
Holwell	Ditto	Ditto ditto				
Ditto	Ditto	Ditto ditto				
Ditto	Ditto	E. P. Davis				
Waltham	Ditto	Staveley Iron Co. and J. Oakes & Co.				
Wartnaby	Ditto	Stanton Iron Works Co., Ltd.	Totals	680,985	34	70,936
LINCOLNSHIRE: Caythorpe	Grantham	Stanton Iron Works Co., Ltd.	1,355,107	33	169,388	
Ditto	Ditto	Exors. of Mrs. F. Cohen				
Ditto	Ditto	West Yorkshire Iron and Coal Co., Ltd., 74, Wellington Street, Leeds.				
Frodingham	Frodingham	Lord St. Oswald				
Ditto	Ditto	Midland Iron Co.				
Ditto	Ditto	Sheepbridge Coal and Iron Co., Ltd., Chesterfield.				
Gunhouse, 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

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90, WEST NILE STREET, GLASGOW; or
HODGES, FIGGIS, & Co., LIMITED, 104, GRAFION STREET, DUBLIN.

1894.

[C.—7377.] *Price 1s. 7d.*

Weardale Blast Furnace Statistics for 1890s
Weardale blast furnaces in 1893, pub 1894

YEAR 1893.]

63

[IRON—PIG IRON.

Blast Furnaces—continued.

Name and Situation of Furnaces.	Owner.	Blast Furnaces.	
		Number.	Average in Blast during the Year.
DENBIGHSHIRE:			
Brymbo, Wrexham - - -	Brymbo Steel Co., Ltd. - - -	2	$\frac{8}{12}$
Pffwd, Wrexham - - -	James Sparrow & Son - - -	2	0
Totals - - -	- - -	4	$\frac{8}{12}$
Total make of pig iron, including Flintshire, 30,527 tons. Total iron ore used, 65,467 tons. Total coal used (including coal converted into coke), 87,331 tons.			
DERBYSHIRE:			
Alfreton, Riddings, Alfreton - - -	James Oakes & Co. - - -	3	3
Butterley, Alfreton - - -	The Butterley Co., Ltd. - - -	2	1
Clay Cross, Chesterfield - - -	The Clay Cross Co. - - -	3	1
Codnor Park, Alfreton - - -	The Butterley Co., Ltd. - - -	3	0
Denby, Derby - - -	The Denby Iron and Coal Co., Ltd. - - -	4	$\frac{6}{12}$
Erewash Valley, Ilkeston - - -	E. P. Davis - - -	4	0
Renishaw, Chesterfield - - -	Renishaw Iron Co. - - -	3	2
Sheepbridge, Chesterfield - - -	Sheepbridge Coal and Iron Co., Ltd. - - -	8	5
Stanton, Nottingham - - -	Stanton Iron Works Co., Ltd. - - -	8	$6\frac{6}{12}$
Staveley, Chesterfield - - -	Staveley Coal and Iron Co., Ltd. - - -	8	6
Wingerworth, Chesterfield - - -	Wingerworth Iron Co. - - -	3	$\frac{9}{12}$
Totals - - -	- - -	49	$23\frac{9}{12}$
Total make of pig iron, including Nottinghamshire, 343,115 tons. Total iron ore used, 1,049,891 tons. Total coal used (including coal converted into coke), 851,759 tons.			
DURHAM:			
Carlton, Stockton-on-Tees - - -	Carlton Iron Co., Ltd. - - -	3	$1\frac{9}{12}$
Clarence, Port Clarence - - -	Bell Brothers, Ltd. - - -	12	10
Consett, Consett, Durham - - -	Consett Iron Co., Ltd. - - -	7	$4\frac{3}{12}$
Ferry Hill, West Cearnforth, R.S.O. - - -	John E. Rogerson - - -	4	0
Jarrow, Jarrow-on-Tyne - - -	Palmer's Shipbuilding and Iron Co., Ltd. - - -	5	$2\frac{7}{12}$
Middleton, Darlington - - -	Joseph Torbock - - -	4	0
Norton, Stockton-on-Tees - - -	Norton Iron Co. - - -	3	0
Seaton Carew, West Hartlepool - - -	Seaton Carew Iron Co., Ltd. - - -	3	2
Stockton, Stockton-on-Tees - - -	Joseph Torbock - - -	2	0
Tees Bridge, Stockton-on-Tees - - -	Tees Bridge Iron Co., Ltd. - - -	3	2
Towlaw, Darlington - - -	Weardale Iron and Coal Co., Ltd. - - -	2	0
Tudhoe, Spennymoor - - -	Ditto ditto - - -	2	1
Vane, Seaham Harbour - - -	Marquis of Londonderry - - -	2	0
Witton Park, Bishop Auckland - - -	Bolckow, Vaughan, & Co., Ltd. - - -	2	0
Totals - - -	- - -	54	$23\frac{7}{12}$
Total make of pig iron, including Northumberland, 770,510 tons. Total iron ore used, 1,921,226 tons. Total coal used (including coal converted into coke), 1,392,466 tons.			
FLINTSHIRE:			
Mostyn, Mostyn - - -	Darwen and Mostyn Iron Co., Ltd. - - -	3	2
The make of pig iron, and the quantity of iron ore and coal used, are included in the figures for Denbighshire.			
GLAMORGANSHIRE:			
Amman, Bynamman, Swansea - - -	Amman Iron Co. - - -	3	0
Briton Ferry, Briton Ferry - - -	Briton Ferry Works, Ltd. - - -	2	1
Cwm Avon Coal, Iron and Steel, Port Talbot - - -	Wright, Butler, & Co., Ltd. - - -	2	0
Cyfarthfa Iron and Steel, Treforest, Merthyr Tydfil - - -	Crawshay Brothers, Cyfarthfa, Ltd. - - -	8	$3\frac{3}{12}$
Dowlais, Dowlais and Cardiff - - -	Dowlais Iron Co. - - -	18	7
Forest Iron and Steel, Pontypridd - - -	Forest Iron and Steel Co., Ltd. - - -	3	0
Llwydcoed, Aberdare - - -	The Aberdare Works and Collieries Co. - - -	3	0
Pyle, Bridgend - - -	Pyle and Blaina Works, Ltd. - - -	2	0
Swansea Hæmatite Iron, Landore, R.S.O. - - -	Swansea Hæmatite Iron Co., Ltd. - - -	2	$\frac{11}{12}$
Tondu, Bridgend - - -	North's Navigation Collieries (1889), Ltd. - - -	1	1
Totals - - -	- - -	44	$13\frac{2}{12}$
Total make of pig iron (including Carmarthenshire 444,356 tons). Total iron ore used, 822,878 tons. Total coal used (including coal converted into coke), 744,832 tons.			

Weardale Blast Furnace Statistics for 1890s

Record of total number of blast furnaces in blast in Great Britain from 1873 to 1893, pub 1894

IRON—PIG IRON.]

68

[YEAR 1893.

Table showing the Number of Blast Furnaces in operation in Great Britain, the Quantity of Pig Iron produced, and the Quantity of Ore and Coal used in its production, for each Year from 1873 to 1893.

Year.	Furnaces in Blast.	Pig Iron made.	Iron Ore smelted.	Coal used.
	Number.	Tons.	Tons.	Tons.
1873	683	6,566,451	16,820,035	16,718,532
1874	649	5,991,408	15,854,077	15,292,201
1875	629	6,365,462	16,559,753	15,645,774
1876	585	6,555,997	17,313,818	15,598,381
1877	541	6,608,664	18,250,110	15,342,445
1878	498	6,381,051	17,299,781	14,112,305
1879	497	5,995,337	15,797,080	13,117,411
1880	567	7,749,233	21,086,740	16,982,629
1881	565	8,144,449	20,249,263	17,484,990
1882	570	8,586,680	21,249,462	17,796,301
1883	552	8,529,300	21,013,275	17,775,000
1884	476	7,811,727	18,887,505	16,077,800
1885	434	7,415,469	17,937,966	15,287,527
1886	399	7,009,754	17,297,483	14,249,715
1887	405	7,559,518	18,363,583	15,304,188
1888	425	7,998,969	19,152,074	16,131,267
1889	445	8,322,824	19,683,948	16,766,694
1890	414	7,904,214	19,213,916	16,168,538
1891	376	7,406,064	18,518,192	15,373,711
1892	362	6,709,255	16,344,454	13,860,161
1893	327	6,976,990	16,620,653	13,806,728

NOTE.—From 1873 to 1881 these returns were obtained from owners of blast furnaces by the late Mr. Robt. Hunt, Keeper of Mining Records, and since 1881 the returns have been furnished by the owners to the Secretary of State.

TABLE SHOWING THE QUANTITY OF PIG IRON PRODUCED IN THE UNITED KINGDOM FROM BRITISH AND FOREIGN ORES, THE QUANTITY EXPORTED, AND THE AMOUNT AVAILABLE FOR HOME CONSUMPTION.

Year.	Pig Iron produced from British and Foreign Ores.	Pig Iron Exported.	Pig Iron available for Home Consumption.
	Tons.	Tons.	Tons.
1893	6,976,990	840,294	6,136,696
1892	6,709,255	767,053	5,942,202

MEAN PRICES OF PIG IRON at the WORKS, for each MONTH of the Year 1892. (From "The Iron and Coal Trades Review.")

Month.	"Cleveland," No. 3. f. o. b. Tees.	North Staffordshire, "Mine No. 1." at Works.	South Staffordshire, "Part-Mine" at Works.	North-West, "Bessemer Pig" f. o. b.	"Scotch Pig," f. o. b. Clyde, from Messrs. Watson and Co.'s Annual Circular.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
January	1 16 2	2 8 6	2 8 3	2 7 0	2 3 4
February	1 14 11	2 8 6	2 8 3	2 6 10	2 5 3
March	1 14 6	2 8 6	2 8 3	2 6 8	2 0 9
April	1 14 5	2 8 6	2 8 3	2 6 7	2 0 10
May	1 13 11	2 8 6	2 6 7	2 6 0	2 0 6
June	1 14 7	2 8 6	2 6 0	2 5 11	2 1 6
July	1 15 1	2 8 6	2 6 0	2 5 9	2 1 10
August	1 15 5	2 8 6	2 6 0	2 6 0	2 2 5
September	1 15 5	2 8 6	2 6 0	2 5 8	2 2 7
October	1 14 11	2 8 6	2 7 5	2 4 11	2 2 3
November	1 14 7	2 8 6	2 8 9	2 4 10	2 2 8
December	1 15 7	2 8 6	2 8 9	2 6 0	2 3 9
Highest prices	1 16 9	2 12 0	2 10 0	2 8 0	2 5 3
Lowest	1 13 10	2 5 0	2 3 6	2 4 6	2 0 6
Mean of monthly prices for 1893	1 14 11	2 8 6	2 7 4	2 6 0	2 2 4
Mean of monthly prices for previous Year	1 18 7	2 8 2	2 8 3	2 9 7	2 1 10

Summary of iron ore sources in 1893, pub 1894

IRON ORE.]

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[YEAR 1893.]

Table showing the Annual Production and Value of GYPSUM in the United Kingdom, from the Year 1873 to 1893.

Year.	Quantity.	Value.	Year.	Quantity.	Value.	Year.	Quantity.	Value.
	Tons.	£		Tons.	£		Tons.	£
1873	66,124	Not given.	1880	75,452	25,150	1887	120,783	48,293
1874	61,113	,,	1881	79,499	23,329	1888	130,082	58,998
1875	65,068	,,	1882	101,872	58,145	1889	132,357	53,819
1876	61,741	18,571	1883	99,551	43,215	1890	140,293	57,991
1877	73,908	22,172	1884	109,922	45,441	1891	151,708	60,038
1878	74,908	22,472	1885	112,078	47,753	1892	147,540	58,227
1879	62,443	18,733	1886	118,848	44,462	1893	143,486	59,369

Iron Ore.

The principal iron-producing districts at the present time are Cleveland or North Yorkshire, yielding over four million tons annually, and Cumberland and North Lancashire, with an output of nearly two and a quarter million tons.

The Cleveland ore, an earthy carbonate, occurs in the form of a bed about 10 feet thick in the Middle Lias; whilst the red hæmatite of the two other counties is found mainly in the form of huge irregular masses in the Carboniferous Limestone.

On an average the Cleveland ore contains about 30 per cent. of metal, and the red hæmatite 50 to 60 per cent. The consequence is, that though very much smaller in quantity, the output of Cumberland and Lancashire is worth considerably more than that of the Cleveland district. Open workings in the Inferior Oolite of Lincolnshire and Northamptonshire furnish no inconsiderable supply of a cheaply wrought stratified brown iron ore.

The ore worked in Scotland is chiefly Black Band Ironstone.

GENERAL SUMMARY of the PRODUCTION of IRON ORE from MINES and OPENWORKS in the UNITED KINGDOM, and the QUANTITY and VALUE of PIG IRON obtainable therefrom.

	Iron Ore.		Pig Iron obtainable.	
	Quantity.	Value.	Quantity.	Value.
	Tons.	£	Tons.	£
From MINES under the COAL MINES ACT - -	6,560,189	1,414,027	1,968,057	9,333,797
From MINES under the METALLIFEROUS MINES ACT	2,356,616	1,133,750	1,231,331	
From OPENWORKS - - - -	2,286,671	280,170	779,306	
TOTALS FOR THE UNITED KINGDOM FOR 1893 -	11,203,476	2,827,947	3,978,694	9,333,797
Totals for previous Year - - -	11,312,675	2,970,632	4,041,178	10,406,033

Weardale Blast Furnace Statistics for 1890s

Durham iron ore Mines record (p.54) in 1893, pub 1894

IRON ORE.]

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[YEAR 1893.

DETAILS OF PRODUCTION.

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

B. signifies chiefly Brown ironstone or ore (hydrated peroxide).
A.H. " Aluminous hæmatite.
R.H. " Red hæmatite.

Name of Mine.	Where situated.	Owner.	Quantity.	Average per-centage of Iron obtainable.	Value of the Ore at the Mines.
			Tons.		£
CUMBERLAND :					
Baird's Lamp-hugh.	R.H. Kelton	William Baird & Co.	25,060	—	} 729,991
Bigrigg.	" Egremont	Lord Leconfield	55,902	58 to 60	
Bigrigg, Nos. 3 and 5.	" Moor Row	Miles Postlethwaite	31,542	—	
Birks.	" Frizington	Frizington Mining Co., Ltd.	26,203	52	
Cleator.	" Cleator	Cleator Iron Ore Co.	30,800	—	
Cleator Glebe.	" Ditto	Cleator Glebe Mining Co., Ltd.	161	—	
Crossfield.	" Moor Row	Crossfield Iron Ore Co.	10,042	—	
Crossgill.	" Frizington	Crossgill Iron Ore Co., Ltd.	—	—	
Dalzell, No. 4.	" Moor Row	T. H. Dalzell	9,565	54	
Eskett, No. 9.	" Salter and Eskett	Eskett Iron Ore Co.	34,522	—	
Frizington Park.	" Frizington	C. Cammell & Co., Ltd.	46,274	60	
Gillfoot Park.	" Egremont	Gillfoot Park Mining Co.	86,981	60	
High-House.	" Frizington	Fletcher's High-House Mining Co.	25,045	54	
Hodbarrow.	" Millom	Hodbarrow Mining Co., Ltd.	531,041	—	
Jacktrees.	" Cleator Moor	Carron Iron Co. (Falkirk)	26,256	50	
Longlands.	" Cleator	S. and J. Lindow	33,901	54	
Row Foot.	" "	" "	6,190	54	
Lonsdale.	" Frizington	Lonsdale Mining Co.	20,454	—	
Montreal.	" Whitehaven	John Stirling	51,087	—	
Mowbray.	" Frizington	Mowbray Iron Ore Co.	12,194	52	
New Parkside.	" Ditto	New Parkside Mining Co., Ltd.	9,211	—	
Pallaflat.	" Bigrigg	Maryport Hæmatite Iron and Steel Co., Ltd.	13,841	52	
Parkside, Nos. 19 and 20.	" Frizington	Parkside Mining Co.	53,469	50	
Postlethwaites Eskett.	" Eskett	Postlethwaites Eskett Mining Co., Ltd.	14,060	50	
Salter Hall.	" Frizington	Wyndham Mining Co., Ltd.	5,099	49	
Sir John Walsh.	" Moor Row	S. and J. Lindow	9,790	60	
Southam.	" Bigrigg	Southam Hæmatite Co.	2,445	62	
Syke House.	" Pallaflat	S. and J. Lindow	15,429	60	
Whicham.	" Kirkstanton	Whicham Mining Co.	22,760	—	
Winder Gill.	" Eskett	Windergill Iron Ore Co.	22,500	50	
Woodend.	" Ditto	James Bain & Co.	24,748	50	
Ditto.	" Egremont	Moss Bay Hæmatite Iron and Steel Co., Ltd.	28,630	50	
Wyndham.	" Eskett	Wyndham Mining Co., Ltd.	67,208	53	
Totals			1,352,410	54	729,991
DEVONSHIRE :					
Bovey Tracey.	B. Bovey Tracey	G. M. Slatter	50	—	100
Hawkmoor.	" Ditto	Otto Schmidt & Co.	60	—	240
Shining Ore.	" "	" "	—	—	—
Molland.	" Molland	Molland Mining Co.	—	—	—
Totals			110	49	340
DURHAM :					
Carrick or Craig's Level.	B. Weardale	Weardale Iron & Coal Co., Ltd.	Nil.	—	—
Rowantree "A"	" Ditto	Ditto	Nil.	—	—
Totals			Nil.	—	—
FLINTSHIRE :					
Coed Llan.	Bodfari	Thomas Gee	Nil.	—	—

IRON ORE.]

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[YEAR 1893.]

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.	
IRELAND.			Tons.		£	
ULSTER (Co. Antrim):						
Glenarm - A.H.	Glenarm -	Antrim Iron Ore Co., Ltd.	67,292	36	11,532	
Parkmore - "	Ballymena -					
Rathkenny - "	Ditto -					
Crommelin - "	Ballymena -					Crommelin Mining Co., Ltd.
Glenravel - "	Ditto -					John Fisher & Co. -
Evishnably - "	Glenravel -					Mountcashel Iron Ore Co. -
Carnlough - "	Carnlough -					Francis Ritchie & Sons, Ltd.
Totals -	-	-	67,292	36	11,532	
ISLE OF MAN.						
Foxdale -	Foxdale -	Isle of Man Mining Co., Ltd.	Nil.	—	—	

PRODUCTION OF IRON ORE.

FROM OPENWORKS.

SUMMARY.

County.	Iron Ore.			Pig Iron obtainable.
	Quantity.	Value.	Average per-centage of Iron obtainable.	Quantity.
ENGLAND AND WALES:				
Cornwall -	Tons. 124	£ 22	42	Tons. 52
Durham -	Nil.	—	—	—
Leicestershire -	471,098	47,120	34	160,173
Lincolnshire -	962,762	120,345	33	317,711
Northamptonshire -	719,071	71,907	36	258,865
Oxfordshire -	133,616	40,776	34	42,505
Rutlandshire -				
Wiltshire -				
TOTALS FOR THE UNITED KINGDOM FOR 1893 -	2,286,671	280,170	—	779,306

DETAILS OF PRODUCTION.

Name of Openwork.	Where situated.	Owner.	Quantity.	Average per-centage of Iron obtainable.	Value of the Ore at the Openworks.
CORNWALL:			Tons.		£
Treamble -	Perranzabuloe -	Edwin Carter -	124	42	22
DURHAM:					
Weardale -	Weardale -	Weardale Iron and Coal Co., Ltd.	Nil.	—	—

MINES AND MINERALS.

MINERAL STATISTICS

Year 1894.

MINERAL STATISTICS

Introduction.

OF THE

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

For the Year 1894.

**WITH AN APPENDIX SHOWING THE PRODUCTION OF MINERALS IN
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Prepared by direction of the Secretary of State for the Home Department.

Presented to Parliament by Command of Her Majesty.



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90, WEST NILE STREET, GLASGOW; or

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

1895.

[C.—7873.] Price 1s. 7½d.



Weardale Blast Furnace Statistics for 1890s
Weardale blast furnaces in 1894, pub 1895

YEAR 1894.]

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[IRON—PIG IRON.]

Blast Furnaces—continued.

Name and Situation of Furnaces.	Owner.	Blast Furnaces.	
		Number.	Average in Blast during the Year.
DENBIGHSHIRE:			
Brymbo Steel Works, Wrexham	Brymbo Steel Co., Ltd.	2	$\frac{9}{12}$
Ffrwd, Wrexham	James Sparrow & Son	2	0
Totals		4	$\frac{9}{12}$
Total make of pig iron, including Flintshire, 29,775 tons. Total iron ore used, 59,867 tons. Total coal used (including coal converted into coke), 84,262 tons.			
DERBYSHIRE:			
Alfreton, Riddings, Alfreton	James Oakes & Co.	3	$2\frac{3}{4}$
Butterley, Alfreton	The Butterley Co., Ltd.	2	1
Clay Cross, Chesterfield	The Clay Cross Co.	3	$1\frac{1}{2}$
Codnor Park, Alfreton	The Butterley Co., Ltd.	3	$0\frac{3}{4}$
Denby, Derby	The Denby Iron and Coal Co., Ltd.	4	$1\frac{1}{2}$
Erewash Valley, Ilkeston	E. P. Davis	4	0
Renishaw, Chesterfield	Renishaw Iron Co.	3	2
Sheepbridge, Chesterfield	Sheepbridge Coal and Iron Co., Ltd.	8	3
Stanton, Nottingham	Stanton Iron Works Co., Ltd.	8	7
Staveley, Chesterfield	Staveley Coal and Iron Co., Ltd.	8	7
Wingerworth, Chesterfield	Wingerworth Iron Co.	3	0
Totals		49	$24\frac{6}{12}$
Total make of pig iron, including Nottinghamshire, 376,726 tons. Total iron ore used, 1,149,874 tons. Total coal used (including coal converted into coke), 950,882 tons.			
DURHAM:			
Carlton, via Ferry Hill	Carlton Iron Co., Ltd.	3	2
Clarence, Port Clarence	Bell Brothers, Ltd.	12	$10\frac{1}{2}$
Consett, Consett, Durham	Consett Iron Co., Ltd.	7	6
Ferry Hill, West Carningthorpe, R.S.O.	Exos. of the late John Rogerson	4	0
Jarrow, Jarrow-on-Tyne	Palmer's Shipbuilding and Iron Co., Ltd.	5	$3\frac{3}{4}$
Middleton, Darlington	Joseph Torbock	4	0
Seaton Carew, West Hartlepool	Seaton Carew Iron Co., Ltd.	3	2
Stockton, Stockton-on-Tees	Joseph Torbock	2	0
Tees Bridge, Stockton-on-Tees	Tees Bridge Iron Co., Ltd.	3	2
Towlaw, Darlington	Weardale Iron and Coal Co., Ltd.	2	0
Tudhoe, Spennymoor	Ditto ditto	2	1
Witton Park, Bishop Auckland	Bolckow, Vaughan, & Co., Ltd.	2	0
Totals		49	$27\frac{3}{4}$
Total make of pig iron, including Northumberland, 885,568 tons. Total iron ore used, 2,184,545 tons. Total coal used (including coal converted into coke), 1,589,565 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.			
GLAMORGANSHIRE:			
Briton Ferry, Briton Ferry	Briton Ferry Works, Ltd.	2	1
Cwm Avon Coal, Iron and Steel, Port Talbot.	Wright, Butler, & Co., Ltd.	2	0
Cyfarthfa Iron and Steel, Treforest, Merthyr Tydfil.	Crawshay Brothers, Cyfarthfa, Ltd.	8	3
Dowlais, Dowlais and Cardiff	Dowlais Iron Co.	18	6
Forest Iron and Steel, Pontypridd	Forest Iron and Steel Co., Ltd.	3	0
Llwydcoed, Aberdare	The Aberdare Works and Collieries Co.	3	0
Pyle, Bridgend	Pyle and Blaina Works, Ltd.	2	0
Swansea Hæmatite Iron, Landore, R.S.O.	Swansea Hæmatite Iron Co., Ltd.	2	1
Tondu, Bridgend	North's Navigation Collieries (1889), Ltd.	1	1
Totals		41	12
Total make of pig iron (including Carmarthenshire 454,363 tons). Total iron ore used, 839,223 tons. Total coal used (including coal converted into coke), 742,971 tons.			

Weardale Blast Furnace Statistics for 1890s

Durham iron ore Mines record (p.55) in 1894, pub 1895

YEAR 1894.]

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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.
DEVONSHIRE:					
Hawkmoor - -	Bovey Tracey -	Otto Schmidt & Co. -	230	49	1,050
"Shining Ore." -	Ditto - -	G. M. Slatter - -			
Shapter - -					
Totals -			230	49	1,050
DURIAM: (Brown iron ore.)					
Carrick or Craig's Level.	Weardale -	Weardale Iron & Coal Co., Ltd. -	2,679	30	1,005
Rowantree "A" -	Ditto - -	Ditto - -			
Totals -			2,679	30	1,005
GLOUCESTERSHIRE: (Brown iron ore.)					
FOREST OF DEAN.					
Buckshraft and Shakemantle.	Cinderford -	Henry Crawshay & Co., Ltd. -	15,809	45	10,060
British - -	Clearwell -	Benjamin Stephens -	15		
Crows Nest - -	Newland -	R. Watkins - -	37		
Dun Pit - -	Whitecroft -	Princess Royal Colliery Co., Ltd. -	142		
Lydbrook and Lime-kiln.	Lydbrook -	Lydbrook Iron Mines Co. -	22		
New China and Oakwood.	Bream - -	Henry Crawshay and Co., Ltd. -	2,719		
New Dun - -	Coleford -	R. Watkins - -	1,290		
Oakwood Level -	Bream - -	Oakwood Iron Co. - -	374		
Old Sling - -	Coleford -	W. H. Fryer - -	1,086		
Park - -	Lydney - -	Park Iron Mines and Collieries Co., Ltd. -	3,214		
Perseverance -	East Dean -	Henry Crawshay and Co., Ltd. -	2,797		
Tufts - -	Bream - -	Ditto - -	214		
Totals -			*27,749	45	10,060
LANCASHIRE. (Red hæmatite.)					
(Detached part of North Lancashire.)					
Askam and Mouzell -	Askam-in-Furness	Millom and Askam Hæmatite Iron Co., Ltd. -	122,401	48 to 50	372,576
Bercune - -	Lindal-in-Furness	Wigan Coal and Iron Co., Ltd. -	14,654	-	
Elliscales - -	Dalton-in-Furness	Elliscales Mining Co., Ltd. -	23,143	-	
Lindal Moor, &c. -	Lindal-in-Furness	Harrison, Ainslie, & Co. -	184,575	-	
Park, Stank, &c. -	Barrow-in-Furness	Barrow Hæmatite Steel Co., Ltd. -	404,850	50	
Roanhead - -	Dalton-in-Furness	Kennedy Brothers - -	120,843	55	
Totals -			870,466	51	372,576
WESTMORELAND:					
Middle Fell -	Brough - -	H. K. Spark - -	Nil	-	-

* Of this quantity the mines in the Crown property produced 17,767 tons (Gaveller's Return).

Weardale Blast Furnace Statistics for 1890s

Durham iron ore Openworks record (p.56) in 1894, pub 1895

IRON ORE.]

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[YEAR 1894.]

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.	
			Tons.		£	
IRELAND.						
ULSTER (Co. Antrim): (<i>Aluminous hæmatite.</i>)						
Glenarm - - -	Glenarm - - -	Antrim Iron Ore Co., Ltd.	76,471	36	14,689	
Parkmore - - -	Ballymena - - -					
Rathkenny - - -	Ditto - - -					
Crommelin - - -	Ballymena - - -					Crommelin Mining Co., Ltd.
Glenravel - - -	Ditto - - -					John Fisher & Co. - - -
Ervishnably - - -	Glenravel - - -					Mountcashel Iron Ore Co. - - -
Carnlough - - -	Carnlough - - -	Francis Ritchie & Sons, Ltd.				
Totals - - -			76,471	36	14,689	
ISLE OF MAN.						
Foxdale - - -	Foxdale - - -	Isle of Man Mining Co., Ltd.	Nil.	—	—	

PRODUCTION OF IRON ORE.

FROM OPENWORKS.

SUMMARY.

County.	Iron Ore.			Pig Iron obtainable.
	Quantity.	Value.	Average per-centage of Iron obtainable.	Quantity.
ENGLAND AND WALES:				
Cornwall - - -	955	167	42	401
Durham - - -	Nil.	—	—	—
Leicestershire - - -	568,026	56,803	34	193,129
Lincolnshire - - -	1,433,416	209,040	33	473,027
Northamptonshire - - -	1,130,773	113,077	36	407,078
Oxfordshire - - -	155,407	8,261	34	49,842
Rutlandshire - - -				
Somersetshire - - -				
Wiltshire - - -				
TOTALS FOR THE UNITED KINGDOM FOR 1894 - - -	3,288,577	387,348	—	1,123,477

DETAILS OF PRODUCTION.

Name of Openwork.	Where situated.	Owner.	Quantity.	Average per-centage of Iron obtainable.	Value of the Ore at the Openworks.
			Tons.		£
CORNWALL:					
Treamble - - -	Perranzabuloe - - -	Edwin Carter - - -	955	42	167

HOME OFFICE.

MINES AND QUARRIES.



MINERAL STATISTICS

OF THE

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HODGES, FIGGIS, & Co., LIMITED, 104, GRAFION STREET, DUBLIN.

1896.

[C.—8202.] *Price 1s. 8d.*

Weardale Blast Furnace Statistics for 1890s
Weardale blast furnaces in 1895, pub 1896

YEAR 1895.]

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[IRON—PIG IRON.]

Blast Furnaces—continued.

Name and Situation of Furnaces.	Owner.	Blast Furnaces.	
		Number.	Average in Blast during the Year.
DERBYSHIRE:			
Alfreton, Riddings, Alfreton - -	James Oakes & Co. - - - -	3	2
Butterley, Alfreton - - - -	The Butterley Co., Ltd. - - - -	2	1
Clay Cross, Chesterfield - - - -	The Clay Cross Co. - - - -	3	2
Codnor Park, Alfreton - - - -	The Butterley Co., Ltd. - - - -	3	0
Denby, Derby - - - -	The Denby Iron and Coal Co., Ltd. - - - -	4	2
Erewash Valley, Ilkeston - - - -	E. P. Davis - - - -	4	0
Renishaw, Chesterfield - - - -	Renishaw Iron Co. - - - -	3	2
Sheepbridge, Chesterfield - - - -	Sheepbridge Coal and Iron Co., Ltd. - - - -	8	3
Stanton, Nottingham - - - -	Stanton Iron Works Co., Ltd. - - - -	8	7 ⁶ / ₁₂
Staveley, Chesterfield - - - -	Staveley Coal and Iron Co., Ltd. - - - -	8	7 ⁶ / ₁₂
Wingerworth, Chesterfield - - - -	Wingerworth Iron Co. - - - -	3	0
Totals - - - -	- - - -	49	26 ⁵ / ₁₂
Total make of pig iron, including Nottinghamshire, 413,454 tons. Total iron ore used, 1,265,202 tons. Total coal used (including coal converted into coke), 1,061,372 tons.			
DURHAM:			
Carlton, via Ferry Hill - - - -	Carlton Iron Co., Ltd. - - - -	3	2
Clarence, Port Clarence - - - -	Bell Brothers, Ltd. - - - -	12	10 ⁰ / ₁₂
Consett, Consett, Durham - - - -	Consett Iron Co., Ltd. - - - -	7	5 ⁵ / ₁₂
Ferry Hill, West Carnforth, R.S.O. - - - -	John E. Rogerson - - - -	3	0
Jarrow, Jarrow-on-Tyne - - - -	Palmer's Shipbuilding and Iron Co., Ltd. - - - -	5	2
Middleton, Darlington - - - -	Joseph Torbock - - - -	4	0
Seaton Carew, West Hartlepool - - - -	Seaton Carew Iron Co., Ltd. - - - -	3	2 ¹ / ₁₂
Stockton, Stockton-on-Tees - - - -	Joseph Torbock - - - -	2	0
Tees Bridge, Stockton-on-Tees - - - -	Tees Bridge Iron Co., Ltd. - - - -	3	2
Towlaw, Darlington - - - -	Weardale Iron and Coal Co., Ltd. - - - -	2	0
Tudhoe, Spennymoor - - - -	Ditto ditto - - - -	2	1
Witton Park, Bishop Auckland - - - -	Bolckow, Vaughan, & Co., Ltd. - - - -	2	0
Totals - - - -	- - - -	48	25 ⁷ / ₁₂
Total make of pig iron, including Northumberland, 867,878 tons. Total iron ore used, 2,180,696 tons. Total coal used (including coal converted into coke), 1,512,336 tons.			
LANCASHIRE:			
Askam, Askam-in-Furness - - - -	Millom and Askam Hæmatite Iron Co., Ltd. - - - -	4	2
Backbarrow, Ulverston - - - -	Harrison, Ainslie, & Co., Ltd. - - - -	1	0 ⁵ / ₁₂
Barrow Steel, Barrow-in-Furness - - - -	Barrow Hæmatite Steel Co., Ltd. - - - -	14	8 ⁵ / ₁₂
Carnforth Hæmatite, Carnforth - - - -	Carnforth Hæmatite Iron Co., Ltd. - - - -	6	2
Darwen, Darwen - - - -	Darwen and Mostyn Iron Co., Ltd. - - - -	2	1
Kirkless Hall, Ince, Wigan - - - -	Wigan Coal and Iron Co., Ltd. - - - -	10	3
Newland, Ulverston - - - -	Harrison, Ainslie, & Co., Ltd. - - - -	1	0
North Lonsdale, Ulverston - - - -	North Lonsdale Iron and Steel Co., Ltd. - - - -	4	2 ³ / ₁₂
Totals - - - -	- - - -	42	19
Total make of pig iron, 540,298 tons. Total iron ore used, 998,930 tons. Total coal used (including coal converted into coke), 1,099,138 tons.			
LEICESTERSHIRE:			
Holwell, Asfordby, Melton Mowbray - - - -	Holwell Iron Co., Ltd. - - - -	4	3
The make of pig iron and the quantity of iron ore and coal used are included in the figures for Lincolnshire.			
LINCOLNSHIRE:			
Appleby, Frodingham - - - -	Appleby Iron Co., Ltd. - - - -	3	3
Frodingham Iron and Steel, Frodingham, Doncaster. - - - -	Frodingham Iron and Steel Co. - - - -	4	3
Lindsey, Frodingham, Doncaster - - - -	Redbourn Hill Iron and Coal Co., Ltd. - - - -	2	1
North Lincolnshire, Frodingham - - - -	North Lincolnshire Iron Co., Ltd. - - - -	4	3
Redbourn Hill, Frodingham - - - -	Redbourn Hill Iron and Coal Co., Ltd. - - - -	2	2
Trent, Scunthorpe - - - -	William Shakespeare - - - -	6	2
Totals - - - -	- - - -	21	14
Total make of pig iron, including Leicestershire, 349,232 tons. Total iron ore used, 1,200,010 tons. Total coal used (including coal converted into coke), 831,748 tons.			

Weardale Blast Furnace Statistics for 1890s

Durham iron ore Mines record (p.58) in 1895, pub 1896
 No iron ore recorded from Openworks in Durham in 1895, pub 1896

IRON ORE.]

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[YEAR 1895.]

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.
			Tons.		£
DEVONSHIRE:					
Hawkmoor	Bovey Tracey	Otto Schmidt & Co.	230	—	1,150
"Shining Ore." Shapter	Ditto	G. M. Slatter			
Totals			230	49	1,150
DURHAM:					
<i>(Brown iron ore.)</i>					
Carrick or Craig's Level.	Weardale	Weardale Iron & Coal Co., Ltd.	17,059	30	7,149
Rowantree "A"	Ditto	Ditto	2,005		
Totals			19,064	30	7,149
GLOUCESTERSHIRE:					
<i>(Brown iron ore.)</i>					
FOREST OF DEAN.					
Box Bush	Coleford	Box Bush Iron Ore Co., Ltd.	62	45	7,544
Bream Grove and Tufts Level.	Lydney	Park Iron Ore and Coal Co., Ltd.	3,208		
Buckshaft, Perseverance and Shakermantle.	Cinderford	Henry Crawshaw & Co., Ltd.	24,485		
British	Clearwell	Benjamin Stephens	—		
Crows Nest	Newland	R. Watkins	176		
Ham	Coleford	Forest Hematite Co.	18		
Lydbrook and Limekiln.	Lydbrook	Lydbrook Iron Mines Co.	133		
New Dun	Coleford	R. Watkins	1,206		
Oakwood Level	Bream	Oakwood Iron Co.	484		
Totals			*29,772	45	7,544
LANCASHIRE.					
<i>(Bed hematite.)</i>					
<i>(Detached part of North Lancashire.)</i>					
Askam and Mouszell	Askam and Dalton	Millom and Askam Hematite Iron Co., Ltd.	106,074	50	335,625
Berkune	Lindal	Wigan Coal and Iron Co., Ltd.	19,529	52	
Elliscales	Dalton	Elliscales Mining Co., Ltd.	18,996	50	
Lindal Moor, &c.	Lindal	Harrison, Ainslie, & Co.	164,742	—	
Park, Stank, &c.	Barrow and Dalton	Barrow Hematite Steel Co., Ltd.	378,319	50	
Roanhead	Dalton	Kennedy Brothers	110,665	—	
Totals			798,325	51	335,625
WESTMORELAND:					
Middle Fell	Brongh	H. K. Spark	Nil	—	—

* Of this quantity the mines in the Crown property produced 16,198 tons (Gaveller's Return).

HOME OFFICE.

MINES AND QUARRIES.



MINERAL STATISTICS

OF THE

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

For the Year 1896.

WITH AN APPENDIX SHOWING THE PRODUCTION OF MINERALS IN
THE BRITISH COLONIES, POSSESSIONS, AND DEPENDENCIES.

Prepared by direction of the Secretary of State for the Home Department.

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



LONDON:

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90, WEST NILE STREET, GLASGOW; or
HODGES, FIGGIS, & Co., LIMITED, 104, GRAFFON STREET, DUBLIN.

1897.

[C.—8564.] Price 1s. 9d.

Weardale Blast Furnace Statistics for 1890s
Weardale blast furnaces in 1896, pub 1897

IRON—PIG IRON.]

64

[YEAR 1896.]

Blast Furnaces—*continued.*

Name and Situation of Furnaces.	Owner.	Blast Furnaces.	
		Number.	Average in Blast during the Year.
DERBYSHIRE:			
Alfreton, Riddings, Alfreton - -	James Oakes & Co. - - - -	3	2
Butterley, Alfreton - - - -	The Butterley Co., Ltd. - - - -	2	2
Clay Cross, Chesterfield - - - -	The Clay Cross Co. - - - -	2	2
Codnor Park, Alfreton - - - -	The Butterley Co., Ltd. - - - -	3	0
Danby, Derby - - - -	The Denby Iron and Coal Co., Ltd. - - - -	4	2
Erawash Valley, Ilkeston - - - -	E. P. Davis - - - -	4	0
Renishaw, Chesterfield - - - -	Renishaw Iron Co. - - - -	3	3
Sheepbridge, Chesterfield - - - -	Sheepbridge Coal and Iron Co., Ltd. - - - -	8	4 $\frac{1}{2}$
Stanton, Nottingham - - - -	Stanton Iron Works Co., Ltd. - - - -	8	8
Staveley, Chesterfield - - - -	Staveley Coal and Iron Co., Ltd. - - - -	8	7 $\frac{2}{3}$
Wingerworth, Chesterfield - - - -	Wingerworth Iron Co. - - - -	3	0
Total - - - -	- - - -	48	31 $\frac{2}{3}$
Total make of pig iron, including Nottinghamshire, 455,487 tons. Total iron ore used, 1,418,762 tons. Total coal used (including coal converted into coke), 1,139,330 tons.			
DURHAM:			
Carlton, via Ferry Hill - - - -	Carlton Iron Co., Ltd. - - - -	3	2
Clarence, Port Clarence - - - -	Bell Brothers, Ltd. - - - -	12	10
Consett, Consett, Durham - - - -	Consett Iron Co., Ltd. - - - -	7	6 $\frac{2}{3}$
Jarrow, Jarrow-on-Tyne - - - -	Palmer's Shipbuilding and Iron Co., Ltd. - - - -	5	3 $\frac{1}{3}$
Middletown, Darlington - - - -	Joseph Torbock - - - -	4	0
Seaton Carew, West Hartlepool - - - -	Seaton Carew Iron Co., Ltd. - - - -	3	3
Stockton, Stockton-on-Tees - - - -	Joseph Torbock - - - -	2	0
Tees Bridge, Stockton-on-Tees - - - -	Tees Bridge Iron Co., Ltd. - - - -	3	2
Tudhoe, Spennymoor - - - -	Weardale Iron and Coal Co., Ltd. - - - -	2	1
Witton Park, Bishop Auckland - - - -	Bolekow, Vaughan, & Co., Ltd. - - - -	2	0
Total - - - -	- - - -	43	27 $\frac{2}{3}$
Total make of pig iron, including Northumberland, 1,002,852 tons. Total iron ore used, 2,447,380 tons. Total coal used (including coal converted into coke), 1,788,227 tons.			
LANCASHIRE:			
Askam, Askam-in-Furness - - - -	Millom and Askam Haematite Iron Co., Ltd. - - - -	4	2 $\frac{2}{3}$
Backbarrow, Ulverston - - - -	Harrison, Ainslie, & Co., Ltd. - - - -	1	1
Barrow Steel, Barrow-in-Furness - - - -	Barrow Haematite Steel Co., Ltd. - - - -	14	9 $\frac{2}{3}$
Carnforth Haematite, Carnforth - - - -	Carnforth Haematite Iron Co., Ltd. - - - -	6	2
Darwen, Darwen - - - -	Darwen and Mostyn Iron Co., Ltd. - - - -	2	1
Kirkless Hall, Ince, Wigan - - - -	Wigan Coal and Iron Co., Ltd. - - - -	10	3
Newland, Ulverston - - - -	Harrison, Ainslie, & Co., Ltd. - - - -	1	0
North Lonsdale, Ulverston - - - -	North Lonsdale Iron and Steel Co., Ltd. - - - -	4	3
Total - - - -	- - - -	42	22 $\frac{2}{3}$
Total make of pig iron, 680,001 tons. Total iron ore used, 1,253,627 tons. Total coal used (including coal converted into coke), 1,312,410 tons.			
LEICESTERSHIRE:			
Holwell, Asfordby, Melton Mowbray - - - -	Holwell Iron Co., Ltd. - - - -	4	3
The make of pig iron and the quantity of iron ore and coal used are included in the figures for Lincolnshire.			
LINCOLNSHIRE:			
Appleby, Frodingham - - - -	Appleby Iron Co., Ltd. - - - -	3	3
Frodingham Iron and Steel, Frodingham, Doncaster. - - - -	Frodingham Iron and Steel Co. - - - -	4	3
Lindsey, Frodingham, Doncaster - - - -	Redbourn Hill Iron and Coal Co., Ltd. - - - -	2	1
North Lincolnshire, Frodingham - - - -	North Lincolnshire Iron Co., Ltd. - - - -	4	3 $\frac{1}{3}$
Redbourn Hill, Frodingham - - - -	Redbourn Hill Iron and Coal Co., Ltd. - - - -	2	2
Trent, Scunthorpe - - - -	William Shakespeare - - - -	6	2
Total - - - -	- - - -	21	14 $\frac{2}{3}$
Total make of pig iron, including Leicestershire, 361,029 tons. Total iron ore used, 1,232,328 tons. Total coal used (including coal converted into coke), 1,008,797 tons.			

Weardale Blast Furnace Statistics for 1890s

Durham iron ore Mines record (p.43) in 1896, pub 1897

No iron ore recorded from Openworks in Durham in 1896, pub 1897

YEAR 1896.]		57		[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.
DEVONSHIRE:			Tons.		£
Hawknor - "Shining Ore."	Bovey Tracey -	Otto Schmidt & Co.	273	—	1,365
Plumley -	North Combe -	P. J. Dick -			
Shapter -	Bovey Tracey -	G. M. Slatter -			
Total -	-	-	273	49	1,365
DURHAM:					
<i>(Brown iron ore.)</i>					
Carrick or Craig's Level.	Weardale -	Weardale Iron & Coal Co., Ltd.	19,277	30	7,229
GLOUCESTERSHIRE:					
<i>(Brown iron ore.)</i>					
FOREST OF DEAN.					
Box Bush -	Coleford -	Box Bush Iron Ore Co., Ltd.	13	45	7,178
Bream Grove and Tufts Level.	Lydney -	Park Iron Ore and Coal Co., Ltd.	3,690		
Buckshaft, Perseverance and Shakermantle.	Cinderford -	Henry Crawshaw & Co., Ltd.	20,199		
Cross Ways -	Wick -	Burgess & Co. -	250		
Crows Nest -	Newland -	R. Watkins -	25		
Ham -	Coleford -	Forest Haematite Co. -	6		
Lydbrook and Lime-kiln.	Lydbrook -	Lydbrook Iron Mines Co. -	273		
New Dunn -	Coleford -	R. Watkins -	1,338		
Oakwood Level -	Bream -	Oakwood Iron Co. -	109		
Total -	-	-	*26,103		
LANCASHIRE.					
<i>(Red haematite.)</i>					
<i>(Detached part of North Lancashire.)</i>					
Askam and Mouszell -	Askam and Dalton	Millom and Askam Hematite Iron Co., Ltd.	98,909	50	369,120
Berkune -	Lindal -	Wigan Coal and Iron Co., Ltd.	10,848	52	
Elliscales -	Dalton -	Elliscales Mining Co., Ltd. -	25,097	50	
Lindal Moor, &c. -	Lindal -	Harrison, Ainslie, & Co., Ltd.	134,734	—	
Park, Stank, &c. -	Barrow and Dalton	Barrow Haematite Steel Co., Ltd.	410,548	50	
Roanhead, &c. -	Askam and Dalton	Kennedy Brothers -	136,434	—	
Total -	-	-	816,570	51	369,120
WESTMORELAND:					
Middle Fell -	Brough -	H. K. Spark -	Nil	—	—

* Of this quantity the mines in the Crown property produced 23,097 tons (Gaveller's Return).

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Weardale Blast Furnace Statistics for 1890s

Mineral Statistics for 1897, pub 1898

from

https://www.google.co.uk/books/edition/Mines_and_Quarries_General_Report_and_St/_8A-AQAAMAAJ

(Search inside only)

Weardale blast furnaces in 1897, pub 1898

Name and Situation of furnaces	Owner	Number	Number in blast
Carlton, viâ Ferry Hill... ..	Carlton Iron Co., Ltd.	3	2
Clarence, Port Clarence	Bell Brothers, Ltd.	12	10
Consett, Consett, Durham	Consett Iron Co., Ltd.	7	7
Jarrow, Jarrow-on-Tyne	Palmer's Shipbuilding and Iron Co., Ltd.	5	4
Middleton, Darlington	Joseph Tarbock	4	0
Seaton Carew, West Hartlepool	Seaton Carew Iron Co., Ltd.	3	3
Stockton, Stockton-on-Tees	Joseph Tarbock	2	0
Tees Bridge, Stockton-on-Tees	Tees Bridge Iron Co., Ltd.	3	2
Tudhoe, Spennymoor	Weardale Iron and Coal Co., Ltd.	2	2
		41	27

The Tow Law blast furnaces were not listed in 1896, pub 1897, and are not listed in 1897, pub 1898. In 1895, pub 1896, Tow Law had total = 2, with 0 in blast, 2 out of blast.

The Witton Park blast furnaces are not listed in 1897, pub 1898. In 1895, pub 1896, and also in 1896, pub 1897, Witton Park had total = 2, with 0 in blast, 2 out of blast.

Durham iron ore Mines record in 1897, pub 1898

Name of mine	Where situated	Owner	Quantity tons	Percent iron	Value £
DURHAM : (Brown iron ore.) Carrick or Craig's Level.	Weardale	Weardale Iron and Coal Co., Ltd.	16,852	30	6,319