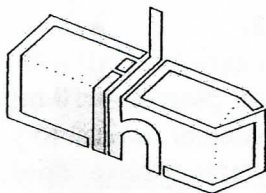


# Cumbria Industrial History Society



## BULLETIN

[www. Cumbria-industries.org.uk](http://www.Cumbria-industries.org.uk)

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DECEMBER 2004

### CONTENTS

Page 2	Forth coming events,
Page 3	Site news, book review..
Page 4	Members questions, Association for Industrial Archaeology.
Page 5	Biggar gas works
Page 6	Descriptions of industries etc.
Page 16	Blast furnaces of Cumbria
Page 19	Abstracts, Greenside mine visit report
Page 20	Committee members details

### EDITORIAL

Another year has passed and the society is still enjoying a full programme of activities. From this Bulletin and the enclosed programme you will see that your committee has been very busy organising another full programme for 2005. This starts as usual with the members evening in February when a textile topic appears to be coming to the fore, with Ian Dunmur bringing a selection of hand tools related to it and Margaret Robinson has a short talk on a related subject. If you have any tools to display or would like to give a short talk on a subject please come along.

The spring conference looks to be another wonderful success, please book early to allow us to get all the places filled. If you could display a poster, advertising the conference please contact Ron Lyon who can supply them.

Your committee is always looking for ideas for conferences, speakers and venues for meetings if you have ideas or know somebody with a passion for a subject please let us know.

Roger Baker has done a wonderful job on the Society's web site (address at top of page) This is well worth a look if you are not yet familiar with it, and he is always looking for new material to add to it.

I would like to take this opportunity to wish you all a Merry Christmas and a Happy New Year and wish you all the best in your industrial archaeology for 2005.

## **SOCIETY EVENTS**

### **MEMBERS OPEN EVENING TUESDAY 22<sup>ND</sup> FEBRUARY 2005 7.30PM COCK AND DOLPHIN HOTEL KENDAL**

This your opportunity to present a short piece (5 – 10 mins) on a piece of industrial archaeology or history which is of particular interest to you. This need not be Cumbrian related. Or bring along any artefacts you may have. Tools which you do not know the use of? Ian Dunmur will have a collection of tools relating to the textile industry on show.

### **APRIL CONFERENCE AND AGM. 23<sup>RD</sup> APRIL 2005**

This is on the subject of explosives. See enclosed booking form for details.

### **FORCE CRAG MINE 14<sup>TH</sup> MAY 2005**

Meet at the National Trust site in Borrowdale (NY 271 225) for a slide show of the plant whilst working then travel to the mine for a conducted tour. Park at Forest Enterprise car park (NY223 245) the mine is about 3 miles walk from here mainly on the flat along a track. There may be transport for a couple of people who can not make the walk.

### **TYNEHEAD LEAD MINES AND SMELTER SATURDAY 6<sup>TH</sup> AUGUST 2005**

A walk along the South Tyne to view the remains of various lead mines and the smelter and other features. The walk is mainly along paths and roads although can be very wet in places.

Meet 10.30am at the end of the tarmac road at NY 757 384 ample parking on grass over cattle grid. Bring packed lunch and suitable wet weather clothing.

### **OCTOBER CONFERENCE**

This is to be held in the Keswick area. Any members who are aware of people who can speak about an industry in the Keswick area or would like to give a short presentation themselves please contact a member of the committee. This applies to any other area we are always on the look out for speakers.

## **NON SOCIETY EVENTS**

### **CARNFORTH STATION FRIENDS**

January 18<sup>th</sup> 2005 Steam miscellany By Mr. Gordon Bartley  
February 22<sup>nd</sup> 2005 New life for Carnforth miniature railway by Mr. Bob Dickie  
March 22<sup>nd</sup> 2005 Adventures with the Flying Scotsman by Mr. George Hinchcliffe  
April 19<sup>th</sup> 2005 Classic Buses by Mr. Steve Machell

All meetings 7.30pm in Furness and Midland Hall, Carnforth Station.  
More details from Ken Broadhurst 01524 781604



## SITE NEWS

### **CARLISLE BRICK AND TILE WORKS**

It is with regret that I have to report that the Victorian down draught kilns and the moulding and drying sheds at this site have been demolished.

## BOOK REVIEW

### **WORKINGTON IRON AND STEEL by Richard L M Byers. Published Tempus £12.99.**

This book traces the development of the iron and steel industry in Workington from the earliest days of Spedding, Hicks and Co in the 18<sup>th</sup> century through to the present day. It looks at the effect the industry has had on the town. It is superbly illustrated throughout with photographs and drawings.

### **CARROCK AND THE MINES OF SKIDDAW AND BLENCATHRA By Ian Tyler £17.99**

This is another offering from Ian's pen and covers those mines associated with the three fells named in the title. It is written in Ian's usual style and is copiously illustrated with photographs and drawings of the various sites.

### **A TOUR OF CARRS MINE EXPLORING THE NENTHEAD VISITOR MINE VIDEO/DVD RUNNING TIME 31 MINUTES PRICE £12.95 Available North Pennine Heritage Trust.**

From the title of this video you would expect it to be a film about a family wearing bright coloured helmets romping around in a sterile mine passage listening to a boring guide. This is usually interrupted with shots of dummies in unrealistic poses and pictures of stalactites etc.

But, this high quality professional video is not like that, it is informative and covers the buildings and features on the museum site including a view down the 90 metre deep brewery shaft. As you enter the underground section horse levels, mineralisation, flats, rises, stone arching, pit props, stemples and many other mining features are presented as they are and not as tourist impersonations. Production methods are explained and video clips of mining methods are slipped in to demonstrate further working conditions.

The underground part is not restricted to the public access part but you are taken deeper into the mines on the site to see what lies beyond.

This video is highly informative and provides a detailed history of the mine and its various owners.

### **THE INDUSTRIAL ARCHAEOLOGY OF SOUTH ULVERSTON BY ROB MCKEEVER AND JACK LAYFIELD pp200 16 pages of colour photographs £12.99**

A privately published book which covers the area south of the railway in Ulverston. The book starts by looking at the landscape development in the area then separate chapters deal with



iron mines and quarries around Plumpton, the Ulverston canal from its concept to the coming of the railways. A chapter dealing with the industries associated with the canal sidings, including Low Furness Iron and Steel Co, and the paper mills. Chapters deal with the cotton mill tannery and the rope walk. Industries in the area of Sandside and Salt Coats and Dragley beck are dealt with. The brick works, chemical and wire works at Sandhall are covered. North Lonsdale Iron and Steel Co have a chapter to themselves.

The book is finally brought up to date with a chapter on industries in the 20<sup>th</sup> century including the social conditions.

This book is one of the best local studies published for some time and contains a wealth of information not previously published and difficult to source.

### **MEMBERS QUESTIONS**

Jonathan Miller of Coniston, 12 lakeland park, Keswick, CA12 4AT would like to know where he can find more information on the industries of Cark including ship building, cotton mills, paper mills and forges. Also he inquires about the Engine Inn and its association with Watts engine

### **ASSOCIATION FOR INDUSTRIAL ARCHAEOLOGY AFFILIATED SOCIETIES**

The Society is an affiliated member of the AIA and the members can therefore take advantage of some of the facilities of the Association including

#### **AIA Annual conference.**

This is usually held in mid-September in different location each year. The 2005 conference will be at Nottingham. The full conference last a week with the emphasis being on site visits in the area. On the first day is a seminar on recent thinking in industrial archaeology. The evenings are filled with lectures on the local industry and there is also a members slot. The main conference on the Saturday/Sunday includes the Rolt memorial lecture, conference dinner, an award ceremony and the AGM.

Accommodation is usually in university halls of residence.

#### **Ironbridge working weekend**

This weekend is usually held at Easter at the Ironbridge Institute, Coalbrookdale. This is a two day event specifically for affiliated societies and covers a specific theme each year. There is usually brief lectures on the Saturday morning, a field excursion on the Saturday afternoon, a dinner on Saturday evening and finally lectures and members contributions on the Sunday.

#### **AIA Awards**

These awards include awards for Fieldwork and recording, adaptive re-use of old industrial buildings, the Presidents award to institutions making an outstanding contribution to the interpretation of the industrial past and a second award to a project deserving support. The Dorothea award for the voluntary conservation of artefacts, publications awards for affiliated



Societies newsletters, journals and occasional publications. Essay awards for both general members and students for essays on general themes including typologies etc.

### Publications

The AIA publishes Industrial Archaeology News and Industrial Archaeology Review both of which the Society receives copies of. They can be consulted by the membership at the Library at Carlisle Art College. Details from Graham Brooks 01228 537379.

## **BIGGAR GAS WORKS MUSEUM**

The small Scottish town of Biggar on the A702 about 25 miles south west of Edinburgh, is home to an intact, preserved example of that once quintessential feature of urban life in Britain, a town gas works. Gas was first supplied from this works on the 14<sup>th</sup> October 1839, within six months of the undertaking's formation, the original plant lasting until its replacement in 1914. The plant as you see it now, is essentially that replacement. It finally fell victim to natural gas on the 4<sup>th</sup> January 1973.

Upon entry there's a video to start you off. This is a period piece in itself, for it was made by British Gas at Milport, on the island of Great Cumbrae, and shows the working of the very last UK town gas works to close. This notable event occurred on August 16<sup>th</sup> 1981, shortly after the film was shot, to judge by the stoker's flared trousers and abundant sideburns. It takes you through every stage of production and, surprisingly perhaps, given the general fact of the labour intensiveness of smokestack industries, the whole plant was operated by just three or four men. The annual check on the accuracy of the measuring instruments was routinely a perk of a local school science teacher.

As a record of a defunct industry the video is invaluable. As a record of publicity films of a quarter of a century ago, it has a parallel existence. What the writer found striking was the contradictory messages conveyed by commentary and by background music. Whilst the music is an over loud, continuously jaunty and eventually irritating Jimmy Shand-like confirmation of the scottishness of the setting, the commentary is firmly in the pre-Osborne style of middle class stage English.

As you go round, instant appeal is given by the retort houses, which are still quite grimy and heavy with that toxic bouquet we all recall so well from our visits to collect coke in the good old days. It is, of course, de rigueur these days to station one or two tailor's dummies in instructive period costume. Often, these are risible, with their improbable body postures, ill fitting clothes and blank facial expressions. The one at Biggar, though, is a masterpiece. He sits beside the retorts, begrimed, a filthy bitten-into sandwich in his hand, glancing towards the retorts, a look of hardened resignation on his face. He is so realistic that I kept catching him out of the corner of my eye and expecting at any moment a curmudgeonly inquiry as to the reason for my presence.

The site is a small one, but a close scrutiny of all the plant will easily occupy an hour or more. Collectors of manufacturers' nameplates will be satisfied, as will aficionados of brick. At least seven makers are represented under foot in the yard – Glenboig, Hurll, Heathfield, Morningside, Dougall, Thistle and Gartcosh.

To complete the picture, it's worth making a return visit to the video room, which has a display of adverts and appliances from the days of coal gas. This parting acquaintance with Mr. Therm will add the final touch to the rosy glow of nostalgia with which you will by now be suffused.

Geoff Brambles.

## **Descriptions of manufacturing businesses, premises, processes, and products in the *Carlisle Journal*, 1816-18**

(Continued from the *Bulletin of the Cumbria Industrial History Society*, No.59, August 2004)

**Compiled by G. W. Oxley**

NB The files of the *Carlisle Journal* for 1816-7 are very incomplete. Apart from a run from May to December 1816 only isolated issues exist for these years.

### **259. Iron and brass foundry in Caldewgate, Carlisle**

The property of Wilfrid Forster and Co: utensils and materials for the foundry including pig iron, old metal, several grates and household furniture at his house in Shaddongate, three excellent milch cows, and two or three horses and carts.

Advertised to be sold by Joseph Slater, assignee in bankruptcy, *CJ* 918, 25 May 1816.

### **260. Weaving in Shaddongate, Carlisle**

Early last Sunday premises occupied by James Scott were broken into and twenty yards of gingham, the property of Messrs. J. Hewson & Sons were stolen. The thief entered through a broken window and cut the cloth from the loom. Benjamin Little was later arrested while selling gingham in Tarraby and committed to jail.

Editorial material, *CJ* 919, 25 May 1816

### **261. Textile manufacture? in Carlisle**

The committee of the Manufacturers' Association voted one guinea teach to James and Francis Scott whose activity led to the apprehension of Benjamin Little.

Editorial material, *CJ* 919, 25 May 1816

### **262. Bleaching near Carlisle**

A quantity of linen yarn was stolen from the bleachery of J. & F. Stoddart.

Editorial material, *CJ* 919, 25 May 1816

### **263. Bleaching at Dalston**

A piece of corduroy was taken from the tenterhooks on the premises of Messrs. Waldie at Dalston

Editorial material, *CJ* 919, 25 May 1816



#### **264. Seaton Ironworks**

The partnership of Speddings, Dickinson, Russel & Co is to be dissolved. The works will continue in operation for the sale of stock on hand and of such other materials as have hitherto been manufactured until the raw materials are used up. The premises and all the machinery and utensils are for sale and are admirably adapted to the manufacture of cast iron goods as well as bar and use iron. Much profitable work may be done in these branches (with a small capital) from the many favourable circumstances attending the situation. Apply to Mr Dickinson, the Company's agent at the works.

Advertisement, *CJ* 921, 13 June 1816

The Company is about to close its affairs and requests all creditors and debtors to settle their accounts with Robert Dickinson at the works. A modern fourteen horsepower steam engine which has not been used for the last six years is for sale, also seventeen fathoms of thirteen inch cast iron pipes

Advertisement, *CJ* 922, 20 June 1816

#### **265. Flax and tow manufacture at Beck Mills near Kendal**

(i) A large and valuable assortment of machinery in operation on the premises including eight flax spinning frames of twentyfour spindles each, four tow spinning frames of twentyfour spindles each, three carding engines, and every other utensil requisite for conducting the manufactory. Particulars from Mrs. Fawcett, Highgate, Kendal.

Advertised for sale, *CJ* 923, 29 June 1816

(ii) The mills in which the machinery is working are powered by a constant stream of water.

Advertised to be let, *CJ* 922, 20 June 1816

#### **266. Seaton Ironworks**

T. Westray announces that he has taken over the forge and slitting mill and will confine himself to 'bar and use iron' and 'boiler plates' from the best malleable scrap iron. Customers can be supplied as usual at the Seaton Company's works and at the Iron Warehouse in Roper Street, Whitehaven

Advertisement, *CJ* 923, 29 June 1816

#### **267. Cornmill at Woodside in Wigton**

There are a substantial dwelling house, convenient and necessary outhouses, six acres of land, another dwelling house. The mill has an abundant supply of water, is well accustomed, and capable of carrying on an extensive business. It is occupied by Mrs Messenger, widow who will send a person to show the premises.

Advertised for sale by William Barton of Wigton and William Carruthers of Tissenthwaite, assignees in bankruptcy of William M'Knight, *CJ* 923, 29 June 1816

#### **268. Cornmill at Woodhouse in the parish of Caldbeck**

There is a good dwelling house, a kiln, and other out offices and buildings. The mill is well supplied with water and in good custom

Advertised to be sold by Joseph Strong of Carlisle, grocer, and Robert Matthews of Carlisle, butcher, the assignees of John Bell, *CJ* 925, 13 July 1816

#### **269. Hatmaking in Carlisle**

Daniel Blamey & Co. announce that they have retail shops in Market Place, Carlisle and Mosley Street, Newcastle. They particularly recommend their waterproof hats for their lightness, texture, appearance and durability. They also offer ladies' and children's beavers and men's stuff and wool hat, and a large assortment of livery hats trimmed with gold and lace. All are manufactured in house under the inspection of Mr Bell who has been regularly bred to the manufacturing branch and is now become a partner. Ladies and children's hats are cleaned and altered.

Advertisement, *CJ* 926, 20 July 1816

#### **270. Gun and Truss manufacture in Carlisle**

Lancelot Harrison has on sale of his own manufacture an assortment of single and double barrelled fowling pieces warranted by the Birmingham proof house and set in locks, best twisted barrels, Marton's, Knox's and other patent breeches, neat assortment of pocket pistols, best patent shot, fine Dartford gunpowder, newly arrived, John Hutton of Penrith, ironmonger, has been appointed agent for the above. LH also gives thanks for support for of upwards of twenty years in the manufacture of bandages for the rupture

Advertisement, *CJ* 927, 27 July 1816

#### **271. Millwrights in Penrith**

An experienced man to take the management of a millwright's shop in Penrith

Advertised for by RW & R Porter of Carlisle, *CJ* 927, 27 July 1816

#### **272. Cotton spinning at Holme Head, near Carlisle**

Notice concerning the insolvency of William Bentley and Joshua Ireland

Advertisement, *CJ* 927, 27 July 1816

#### **273. Seaton Ironworks near Workington**

The partnership of Speddings, Dickinson & Russel trading as ironmasters was dissolved on 29/02/1816. The premises machinery are for sale. Particulars from B. Thompson, solicitor, at Workington, or from Mr. Dickinson, the company's agent, at the works.

Advertisement, *CJ* 927, 27 July 1816

#### **274. Seaton Ironworks near Workington**

Cast iron wares: pots, ovens, & covers, griddles, grissets, frying pans, yetlig pans, Wigan pans, sauce pans, skillets, tea kettles, square and shell ovens, boilers, doors and frames, cart bushes, mould boards, ash grates, chamber grates, Forest stoves, fluted stoves, cabin stoves, box iron heaters, fire irons, mortars & pestles, ash grates, pump chambers, etc. etc. are offered for sale at considerably reduced prices, both wholesale and retail. A stock of rod and hoop iron and a quantity of old iron suitable for country smiths will be sold cheap. Apply at the works or at the warehouse in Roper Street, Workington

Advertisement, *CJ* 929, 10 August 1816



**275. Cornmill at Oughterside in the parish of Aspatria**

Well built, well accustomed, and occupied by Clement Edgar who will show. Apply John Norman of Brayton

Advertised to be let, *CJ* 929, 10 August 1816

**276. Cornmill at Armathwaite**

Dwelling house, stable, drying kiln, outhouses, and ten acres of land. 'The mill from the never failing supply of water is derived from the Eden, from its locality and other circumstances is well worth of the attention of an enterprising miller who would be desirable of carrying on a business of a considerable extent' Particulars from Mrs. Milbourn or from Robert Sander Milbourn at Armathwaite Hall

Advertised to be let, *CJ* 929, 10 August 1816

**277. Cotton spinning at Denton Holme Head, Carlisle**

Sale of bankrupt's effects at the mill: carding engines, drawing frames, can-frame and tin cans, one willow, one scutchner, five pairs of mules or spinning wheels, stretching frame, bobbins, steaming apparatus, shafts, drums and belts, a large quantity of utensil, ie desks, counters, yarn press, scales and weights, reels, etc. 'The whole forming one of the most complete spinning establishments in the neighbourhood' The premises including the mill, warehouses, a good dwelling house, garden, and nine cottages, to be let.

Advertised to be sold or let by Mr John Thompson and Mr Beaumont, assignees of Bentley and Ireland, *CJ* 930, 17 August 1816

**278. Textile manufacture in Carlisle**

The property of William Bentley: reeled and cop wefts Nos. 54 to 56, etc. and about thirty bags of cotton waste consisting of card strippings, flyings, etc. Several parcels of roller cloth, new cards, a new warping mill, roller leathers, bunbling and other paper, twine, binding and various other articles suitable for manufactureres and spinners as well as household furniture, books, bedsteads and bedding, a valuable sideboard, chests of drawers, and desk, bookcase and desk, chairs, etc.

Advertised to be sold by the assignees of William Bentley & Co., *CJ* 931, 24 August 1816

**279. Hat manufacture in Carlisle**

Edward Routledge has opened a shop in the Scotch Street premises lately occupied by J. Carrell, saddler in addition to his manufactory in Irish Gate. He has a large assortment of hats and light waterproof beaver and stuff hats and ladies' and childrens' beavers of the most fashionable shapes.

Advertisement, *CJ* 932, 31 August 1816

**280. Hat manufacture at Damside, Carlisle**

Manufactory occupied by Messrs Owen & Co. and dwelling house occupied by Mr Owen and owned by the late Mr. Nelson

Advertised to be let for seven years from 1817, *CJ* 9321, 31 August 1816

**281. Woolen manufacture at Mill Beck, near Keswick**

Dover, Younghusband & Co. Have appointed R. Tiffin of Carlisle, whip manufacturer and George Foster of Market Place, Penrith as agents to take in wools for manufacture into blanket, duffel, stocking yarn, etc. The agents will also treat for the purchase of wools

Advertisement, *CJ* 934, 14 September 1816

**282. Malting at Warwick**

A maltkiln four miles from Carlisle and five from Brampton, in a good barley district and a populous country for the sale of malt

Advertised to be let by William Ranulfson of Whitehaven, *CJ* 935, 21 September 1816

**283. Brewery and Malting at Cockermouth**

Brewhouse, malting convenience, granaries and store rooms, utensils, dwelling house with two front parlours, lobby, five lodging rooms, large kitchen, scullery, and pantry, washhouse and laundry, large and small arched cellars, a large garden and an orchard. Advertised to be let, *CJ* 935, 21 September 1816

**284. Bleaching at Cummesdale**

The bleachfield of Messr Dixons was broken in to on Saturday night and a quantity of linen yarn carried away.

Editorial matter, *CJ* 941, 2 November 1816

**285. Cotton Manufacture at Cummersdale**

John Mullinson has be apprehended for the theft of a piece of calico from Messrs Forster & Donald

Editorial matter, *CJ* 941, 2 November 1816

**286. Weaving at Belle Vue near Newtown, Carlisle**

A weaving shop for four looms and dwelling rooms to be let. Four looms and all the gear will be sold to the tenant

Editorial matter, *CJ* 943, 16 November 1816

**287. Coalmining at Oakshaw in the parish of Bewcastle**

A colliery in full work and at present occupied by William Richardson and his under tenants to be let. Proposals to Mr Ellis at Croft-head neat Longtown or to Mr. R Graham at Netherby .

Advertisement, *CJ* 1002, 3 January 1818

**288. Straw hat making in Carlisle**

The dissolution of the partnership of Jane Blakelock and Isabella Gilkerson. Jane Cartmell (née) Blacklock will continue in business in St Cuthbert's Lane, Isabella Gilkerson in Fisher St.

Advertisement, *CJ* 1003, 10 January 1818

**289. Straw hat making in Penrith**

Catherine Thexton has started business near the Crown Inn at Nether End. She has five years experience in the business

Advertisement, *CJ* 1004, 17 January 1818



**290. Limeburning at Parkhead on Warnell Fell**

James Murray and Charles Sinderson have taken this limekiln, recently under the firm of Johnston & Co.

Advertisement, *CJ* 1007, 7 February 1818

**291. Limeburning on Warnell Fell**

James Johnston has taken the limekilns recently of Robert Coulson, deceased and seeks the support of stonemasons and bricklayers

Advertisement, *CJ* 1008, 14 February 1818

**292. Hat manufacture in Carlisle**

Michael Beattie & Co. have commenced business

Advertisement, *CJ* 1008, 14 February 1818

**293. Cotton spinning in Water Lane, Carlisle**

A cotton mill and machinery comprising a mill of six storeys plus garrets, measuring 160 feet by sixty feet, counting houses. Warehouses, ruling rooms, dwelling houses, a garden and orchard, out offices, three acres of land, 24,489 mule spindles, ample preparation of every description on the newest and most improved principles, a thirtysix horse power steam engine, two boilers and pipes complete and in good working order. The mill is heated by steam and has cisterns at the top sufficient to contain twenty tons of water with pipes and conductors into all floors in case of fire. The reservoir to supply the engine is fed from an inexhaustable source. The whole of the buildings were erected in the last fourteen years in a most substantial manner. The premises immediately open on the roads to Liverpool, Manchester and Glasgow and lie within five miles of Port Carlisle which affords ready communication with the Liverpool and Glasgow markets. 'The situation possessing such singular advantages may be safely considered the best in the north of England for carrying on the cotton spinning business.

Advertised to be let, *CJ* 1009, 21 February 1818

**294. Cotton spinning at New Mill, Carlisle**

Robert Thornton, a cotton spinner who had been out of work since the new Mill stopped died from want.

Editorial report, *CJ* 1009, 21 February 1818

**295. Straw hat making in Penrith**

E. L & S. Bell have commenced business. Their shop in in Market Place

Advertisement, *CJ* 1010, 28 February 1818

**296. Limeburning on Warnell Fell**

The business at No.291 is now carried on by Jonathan Hodgson and James Johnston

Advertisement, *CJ* 1011, 11 March 1818

### **297. Cornmilling at Workington**

The mill is situated on the River Derwent, has two water wheels, one pair of French Burrs, one pair of Welsh stones, one pair of stones for shelling oats, one barley mill, two dressing mills, one large dressing kiln, and other conveniences.

Advertised to be let, enquiries to William Swinburn or Mr Hoodless at the colliery office, *CJ* 1011, 11 March 1818

### **298. Cornmilling at Bowness**

Contract for the machinery and completion of a windmill under erection

Advertisement for proposals, *CJ* 1011, 11 March 1818

### **299. Woolen manufacture at Willow Holme, Carlisle**

A fire at Mr. Wood's mill destroyed the upper storey and part of the second before being brought under control by the fire engine. Mr Woods machinery and the mill which belonged to Mr Donald were insured

Editorial report, *CJ* 1011, 11 March 1818

### **300. Bleaching at Eamont Bridge**

James Mason in carrying on this old established bleach green which is managed under his personal inspection and is conducted entirely on the old principle. 'Persons favouring him with their work may depend upon its being completed without injury to the fabric. Work is taken in by William Irwin of Carlisle, spirit merchant, Joseph Richardson of Wigton, grocer, William Bone of Keswick, Hannah Peet of Hesketh Newmarket, Richard Graham of Hethersgill, Nicholas Carr of Alston, Robert Thwaites of Barnard castle, Ann Wood of Staindrop and at Mason's own shops in Appleby and Penrith

Advertisement, *CJ* 1013, 28 March 1818

### **301. Seaton Ironworks**

Thomas Westray has (in addition to the forge and slitting mill) engaged the foundry at this concern where he intends to resume the manufacture of castings, etc. Steam engines will be fitted on the most approved plans

Advertisement, *CJ* 1014, 4 April 1818

### **302. Foundry in Bochengate, Carlisle**

A five ninths share in the firm of Nicholson & Co., apply Mrs Nicholson or Mr Blow

Advertised for sale, *CJ* 1014, 4 April 1818

### **303. Clog, last, and patternmakers in Carlisle**

James Lewthwaite of Scotch Street, boot and shoe maker and William Armstrong of Carlisle, spirit merchant have commenced this business in a shop in Globe Lane. They have an excellent assortment of well-seasoned wood and have taken on the journeymen of the late Joseph James, clog last and patternmaker.

Advertisement, *CJ* 1018, 2 May 1818



**304. Straw hat manufacture**

Little and Hind have been deeply impressed by the support they have received and have now entered into the drapery business

Advertisement, *CJ* 1019, 9 April 1818

**305. Lead and copper mining at Caldbeck**

A one sixth share and a one third of one sixth share in the Caldbeck Lead mining Company managed by John Lowry of Bunker Hill belonging to Leonard Smith a bankrupt

Advertised for sale by his assignees, John Elliot and John Andrew of Carlisle, *CJ* 1019, 9 May 1818

**306. Boot, shoe and clog making in English Street, Carlisle**

J Rennie returns thanks for past support for his boot and shoe manufacture and announces that he has commenced clog making and has engaged a knowledgeable man for that purpose

Advertisement, *CJ* 1020, 16 May 1818

**307. Paper making at Caldbeck**

Paper making machinery and a quantity of paper

Advertised for sale by Edward Marshall, *CJ* 1021, 23 May 1818

**308. Sizing at Caldcoate, Carlisle**

The business heretofore carried on by Joseph Sowereby and David Todd will be continued by Joseph Sowereby alone

Notice to manufacturers, *CJ* 1022, 30 May 1818

**309. Cotton spinning and cotton manufacture in Carlisle and neighbourhood**

A meeting of proprietors chaired by John Heysham, MD, to express thanks to the Lord Lieutenant of Cumberland, the Earl of Lonsdale, and the Members of Parliament for Cumberland and Carlisle for their exertions in support of the cotton trade during the last session of parliament

Advertisement, *CJ* 1023, 6 June 1818

**310. Slate quarry at Place Fell in Patterdale**

Now being worked by Henry Chapmen of Patterdale

Advertised to be let by the owner, E. Hassell, *CJ* 1024, 24 June 1818

**311. Paper making at Caldbeck**

A two vat papermill, out offices, two acres of land, a good dwelling house, a second dwelling house and garden adjoining occupied by Mrs Dinah Simpson for life, a barn, a byre, and a stable subject to the payment of a life annuity of £25 to Mrs Dinah Simpson aged upwards of 65 years. The mill is situated on the River caldew and is customary tenure of the Rector of Caldbeck as parcels of the manor of Kirkland. It was built recently upon the most approved construction and is conveniently supplied with water from the river and a never failing spring

with in the building. The situation of the mill for the convenience of collecting rags, moderate rate of fuel, communication with the principal market towns renders it well adapted to the manufacture of paper to a considerable extent

Advertised for sale by the owner Jonathan Head, *CJ* 1024, 13 June 1818

**312. Hat manufacturing in Carlisle**

Dissolution of the partnership of Robert Jackson and Michael Beattie. The business to be continued by Michael Beattie

Advertisement, *CJ* 1026, 27 June 1818

**313. Hat manufacturing in Cockermouth**

A business of above seventy years standing complete with the stock in trade including over six hundred dozen hats

Advertised for sale by William Ashbridge & Sons, *CJ* 1026, 27 June 1818

**314. New Brewery at Penrith**

The brewery which has been carried on successfully for upwards of thirty years, several public houses in Penrith, and an allotment in Penrith common

Advertised for sale, *CJ* 1026, 27 June 1818

**315. Chair manufacture in Castle Street, Carlisle**

John Strong has on hand painted rush and cane bottomed chairs, sofas, etc. black and rosewood stained chairs, chairs with brass ornaments, all of the newest patterns, common chairs of every description, also white whale bone parlour blinds, all of his own manufacture

Advertisement, *CJ* 1027, 4 July 1818

**316. Seaton Ironworks**

A classical and commercial academy has been established at the iron works by R. Dickinson late managing partner of the works

Advertisement, *CJ* 1028, 11 July 1818

**317. Water corn mill at Hetherside, Kirklington**

Occupied by Richard Irwin

Advertised to be let, *CJ* 1031, 1 August 1818

**318. Nail making in Scotch Street, Carlisle**

A horse nail maker wanted by T Wilson

Advertisement, *CJ* 1034, 22 August 1818



**319. Dying in Ritsons Lane, Carlisle**

Dissolution of the partnership of William Douglass and George McConnochie

Advertisement, *CJ* 1036, 5 September 1818

**320. Bassenthwaite Halls Mill**

Mill, kiln, dwelling house, barn, cow house, stable, swine house and yard, orchard and two fields. Well situated for Keswick, Cockermouth and Wigton. Occupied by Thomas Rawlinson

Advertised to be let, *CJ* 1037, 12 September 1818

**321. Woolen manufacture in Carlisle**

Dissolution of the partnership of Robert Scott and Robert Martindale

Advertisement, *CJ* 1040, 3 October 1818

**322. Twist mill/iron foundry out of the English Gate, Carlisle**

The New Twist Mill occupied by Richard Jackson & Co and formerly occupied as an iron foundry by William Parker & Co

Advertised to be let for sixteen years, *CJ* 1047, 21 November 1818

**323. Iron foundry in Bochengate, Carlisle**

Dissolution of the partnership of Juliana Nicholson and John Nicholson, the business to be continued by John Nicholson

Advertisement, *CJ* 1049, 5 December 1818

**324. Hat manufactory at Damside, Caldewgate, Carlisle**

Premises now occupied by Messrs. Owen and Thompson exceedingly well calculated for dyeing or starching, having a most excellent command of water and being fitted up with all conveniences necessary for carrying on these businesses; also a house occupied by George Owen

Advertised to be let by the owner, Mr Nelson of Beaver Hall, near Carlisle, *CJ* 1049, 5 December 1818

\* Readers are reminded that the compiler is maintaining running indexes of Names, Places, Processes and Subjects. Enquirers are asked to provide an SAE or email address for reply

# THE CHARCOAL/COKE BLAST FURNACES of CUMBRIA.

No. NAME	DATES	NO. of Furnaces	GRIDREF.	OTHER DATA
<u>CHARCOAL ONLY</u>				
A. Cleator	1694-1705?	3?	NY 018136	Prob. Closed when Patryckson died
B. Backbarrow	1711-1770/1770-1966	1	SD356846	Refs:-B.R.O.-BDB/2...
C. Cunsey	blown in June 1712-1751.	1	SD 383937	House NOT on furnace foundation
D. Leighton in N. Lancs by 2 metres.	1713-1803.	1	SD 484778	Stack blew up-(water shortage).
E. Flimby (SSE of Maryport)	c., 1715-?	1	NY 039337	a Wm. Wood disaster with v. poor coke
F. Little Clifton.	1723-1781.	1	NY 059279	Used coke from start Lack of Water power.
G. Frizington, Lingla Beck.	1728-?	1	NY 034178	Located by JDJW.JJM.MDS and JYLpre 1987 Not at Bleak Ho. another Wm Wood trial site
H. Duddon	1736-1867	1	SD 197883	Best preserved charcoal site - by LDNPA
I. Nibthwaite.	1736-1755(furnace).	1	SD 295883	Bobbins atop furnace pre- 1816 Forge till c.1840
J. Newland(to coke 1873).	1746-1890(furnace).	1	SD30057970	Blown out 15/12/1890. Cupolas till 25/01/1891
K. Low Wood.	1747- 1798(then Gpdr)	1	SD 346837	Stack stood until 1926 (ICI MSS)
L. Wilson House (Lindale, G-o-S).pre-1748-1901.		1	SD 426809	Cupolas from pre-1893; Furnace
From 1747/8 Continued after John Wilkinson died 1808, as a specialist Carriage Works, with some of his staff from Bersham. eg Mullard.				
M. Penny Bridge.	1748-1791.	1	SD 308838	Flax mill by 1807. Later bobbins.
<u>Charcoal &amp; Coke</u>				
N. Maryport(no.1)	1752-1784(January).	1	NY 034362	Blowing cylinders 1777, but Always water short
P. Seaton/Barepot.	c.1762-1786(charcoal).	1/2?	NY 013295	About 1792, converted to coke Fuel
<u>Coke only.</u>				
1. Seaton/Barepot.	c. 1792-1857(furnace)	2(Iron/brass) ditto		After 1857, foundry only .with rolling mills for Tinplate onto iron sheets, + rod & wire-slitting, etc. - 1927 Am uncertain when it ended.
2. Derwent Wks. Workingto	1838-1970's.	3	NX 990287	
3. Cleator Moor.	1841-1929	5	NY 016154	
4. Augill, Brough.	1846-1882+	1	NY 816146	Built to smelt a rich 2m.thick Hematite find
5. Woodbent SE Carlisle.	1856-1882+	?	NY 421530	Am uncertain when it ended.
6. Oldside Wks, Workington.	1856-1930.	4	NX 998298	N.bank of R.Derwent, next coast railway
7. Harrington.	1857-1926.	4	NX 987247	See bk-JYLancaster + DR Wattleworth 1977
8. Barrow Steel Works.	1859-1967(late).	12	SD 190700	Why did this huge works close so quickly?
9. W.Cumb.I.& S.Co.Ltd.	Blown in 1862-1893.	7	NY 002296	Big 7-tonne Bessemer Wks + rollingmills
10. Askam, Low Furness.	1866-19132	4	SD 213774	Blown out 19132. demolished 1938
11. Millom.	Sept. 1867-1968(Sept.)	6	SD 299798	Earlier refs. to bloomsmithy in Park
12. Maryport(Gilmours)Hem.IronCo.	1868-1892	6	c.NY 030360	S.of docks, right on the coast
13. Maryport(Solway) Works.	Blown in 1871-1927.	4	NY 033355	Several foundries around it Demolished 1939



14	Lonsdale Works.Whitehavea	1870-1903.	4	NX 973188	Had dozens of coke ovens (MDS slides)
15	Moss Bay .Workington.	1872-1977.	4	NX 987272	Had own Docks.Made colonial Railway lines
16	Lowther.Workingtoa	June 1873-191 l(Dec)	3	NX 992288	Made little profit.Latterly.spiegel For Wk'n
17	Newland	1873-1890(15Dec)	1	SD 30057970	Very small hearth-Trial for Bigger Backbarrow
18	Partoa	Spring 1874-1889(late).	2	NY 980211	Site imm.S.ofLowca Beck.
19	N.Lonsdale, Ulverston.	1874- 1938	4	SD 30687760	Worked with Millom for a time.
20	New Yard,Workington.	1875-pre-1936	1	NX 991283	Had many puddling furnaces + rollingmills
21	Distington.	1879-1922(early)	2	NY 014245	Later(World WarII),became High Duty Alloys

Early BLOOMERIES made one tonne of Iron per year, working flat out with clay hearths c.35cm. diameter.

From c.1509 in Cumbria, waterpowered STRING-HEARTHS arose, making 12-15 tonnes/year.with hearths 120cm. Square.

From about 1600, waterpowered BLOOMSMITHIES.powering tilt-hammers as well as bellows, increased yields to 25-40 tonnes/year

The first BLAST FURNACES made 2 tonnes of iron per cast, twice a day, giving 28tonnes per week or 1450 tonnes per annum. - Modern furnaces have capacities of thousands of tonnes of iron per day!

There were many Foundries and Forges in the districts, especially once the soft hematite irons were smelted with coke and harden the process enough to become good edge-tool material. Earlier edge-tools had always been made from best Swedish steels.

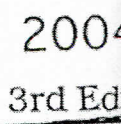
Sites that had been bloomsmithies, using waterpower to make bar iron, became bloom-forges, with several blacksmiths working hot metal directly into saleable goods such as tools, clog-irons, hinges, nails, cannon.etc. Later they branched into Foundrywork, erecting cupolas in order to cast kitchen grates, boilers, fire-irons, wagonwheels and heavy-duty shaft bearings and cogwheels for mills and factories. Many of these works lasted until the 1950' s-60' s, when new methods used in WWII, came into common use. Almost every foundry has disappeared since. I have a very technical Foundry Treatise written in the 1940' s, which is now 'history'. Powdered metal pressure-blown into moulds, is so much more accurate and detailed than could be attained in foundries.

Another factor has been the rise of motorways and airlines, so that goods can be made cheaply in third-world countries, the costs ( transport being offset by the (quite acceptable) lower wages in those countries. The large industrial companies have mostly swamp smaller firms in "remote" Cumbria, by importing bulk goods into super-markets/hyper markets, within reach of a very mobile public. Even the huge Hodbarrow iron mine never reached the claimed production rate of 1M tonnes of ore per year. Its highest output was in 1907, c. 547,000 tonnes, surprisingly unbeaten during the two world wars.

Mike Davies-Shiel



KEY





## ABSTRACTS

The following abstracts are taken from the 2004 C&WAAS Transactions Third series Volume IV

### The possible Roman road between Ambleside and the Keswick area P105 – 122

By Martin Pugmire

Although the CIHS is not generally interested in the Roman period and the arguments relating to the siting of its various remains, this article looks at the possible evidence for the remains of a roman road on the north slopes of Dunmail Raise. In the process of doing this it has to consider both the pre-turnpike and the turnpike roads in the area and a good account of these is given in the article.

### Coalmining at Reagill, Sleagill and Newby, 1683 –c.1837

By Blake Tyson

This article covers a very small coal field on the Lowther estates in the east of the county. It provided coal mainly for the local market including limekilns and also to Lowther Castle. Blake traces the family history of those people involved in the trade.

### The building of the Cumberland and Westmorland joint Lunatic Asylum (Garlands Hospital)

By Graham Brooks

This article traces the problems encountered with the building of the hospital from the passing of the act in 1845 requiring all local authorities to construct their own establishments. Through the arguments over various sites around the county until the Garlands was eventually decided upon. It then traces the problems encountered with attempting to make bricks on the hospital site for its construction and the eventual decision to build the hospital in stone.

## REPORT ON VISIT TO GREENSIDE MINE

It was a beautiful Sunday morning when a large party of members and friends met in the car park at Glenridding to await the arrival of our guide for the day Warren Allison. Warren has been actively researching the history of Greenside mine and other mines of the Lake District for many years and has a family connection with the mines where his mother once worked in the offices.

We drove along the track and parked at the mines and Warren using both old photographs and plans explained the layout of the mine buildings and the uses to which those remaining buildings were put. We then started the slow and very warm climb up the track through the mine workings. On the way we stopped to look at the scant remains of the main entrance, now a padlocked manhole cover. Warren is hoping that the LDNPA will allow the original building at the level to be reconstructed.

As we climbed higher up we viewed the many water courses and leats on the site which were used to both provide water for powering the machinery in the dressing mills and also to keep water away from the very large waste dumps that dominate the site.

Lunch was taken near to the Low Horse Level after viewing the remains of the bingsteads and water wheel pit in the area.

After lunch the climb continued up to the upper dressing floor where the remains of various process including a buddle that still remains. Unfortunately this site is slowly being eroded away. Passing along the top dam we eventually came to the upper horse level. We ended up at one of the spectacular collapses high on the side of Greenside fell where the vein over 60 feet wide has been stoped out for over 1,000 feet and the remaining rock has fallen in.

On the descent back to the upper dam a small hush was examined and a discussion on the process of hushing was started, with most members of the opinion that a controlled flow of water over the area and men breaking up the soil and rocks was the most likely option rather than a tremendous sudden rush of water.

This was a most enjoyable day and our thanks go to Warren for his expert guidance.

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