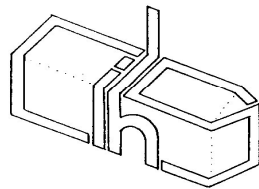


Cumbria Industrial History Society



## BULLETIN

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# MERRY CHRISTMAS

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## EDITORIAL

Merry Christmas to one and all. I am sat writing this just after the first snowfall on the last weekend in November. Although I do like the snow for a short period as it makes a bit of a change when fell walking, last winter I did find it went on too long and started to interfere with Industrial history activities a bit. Hopefully this winter will not be so severe after its early start.

Enclosed with this copy are a lot of bits. The most substantial is volume 7 of the Cumbrian Industrialist. It is 4 years since the last volume, although we have produced the 'master of Them All' conference proceedings in between. Hopefully it will not be another 4 years before the next volume is produced. I have a promise of 2 possible papers and so another 2 would see another volume next year hopefully. Get Writing!!!

This volume has a wide range of papers in it and everybody should find something of interest.

Along with the membership renewal there is also a letter requesting those of us who pay tax to please gift aid our membership fees. This allows the Society to re-claim the tax on the fees and will give a nice boost to the funds available without having to increase membership rates. The reason we are doing this now is due to the Society has had to register as a charity to allow it to process some of the grants that we have received for the Mike Davies-Sheil slide project.

The front cover photo this time is one of Mike's slides of the corn drying kiln at Hartsop. The project to get his slides is now well underway with volunteers now trained in the cataloguing of the slides and the first slides being processed.

The programme for next year looks very interesting and again I would like to thank on your behalf all the members of the committee who work hard to arrange the different events. Please turnout and show your support. The main flagship event this year is our 25<sup>th</sup> Spring conference to be held at Rheged. Booking form enclosed and further details in the Bulletin.

## **SOCIETY EVENTS 2011**

### **THURSDAY 17<sup>TH</sup> FEBRUARY OPEN EVENING 7.30 PM. FRIENDS MEETING HOUSE, STAMONGATE, KENDAL**

A chance for members to discuss their research, bring along items for discussion, slides of their exploration, or anything else you think the members will either find interesting of could help you with.

### **SATURDAY 19<sup>TH</sup> MARCH WOODLAND INDUSTRY, STEAM BUS AND CASTLE HEAD HOUSE.**

Meet at Roudsea NNR car park SD 329 827 at 10.30 a.m.  
10.30 – 12.30 Woodland industry sites in Roudsea Wood  
12.30 – 1.30 Lunch – either packed or at pub in Haverthwaite  
1.30 – 2.00 Steam bus ride from Haverthwaite to Castle Head, stopping en route to inspect John Wilkinson's memorial obelisk  
2.00 – 4.00 Castle Head House and grounds and refreshments  
4.00 – 4.30 Return steam bus journey to Haverthwaite  
Cost £13 per person to cover hire of steam bus and refreshments. Max. Number 32 (steam bus capacity). **BOOKING ESSENTIAL**

**Will members who booked last year please ring Geoff Brambles as soon as possible to let him know whether or not they can make this date.**

### **SATURDAY 9<sup>TH</sup> APRIL CONFERENCE COUNTRY HOUSE TECHNOLOGY RHEGED**

See enclosed booking form and also article at end of this programme section.

### **SATURDAY 14<sup>TH</sup> MAY MINING IN THE NENTHEAD AREA.**

Meet in the car park at the Nenthead mining centre 10.30 am. For a trip round some of the less well known mining sites in the Nent Valley. Leader Peter Jackson a member of the Nenthead Trust.

### **WEDNESDAY 15<sup>TH</sup> JUNE LOW WOOD GUN POWDER WORKS.**

Meet at the Angler Arms pub in Haverthwaite to travel in convoy to the start. Leader Bill Myers.

### **SUNDAY 19<sup>TH</sup> JUNE SILLOTH DOCKS AND CARRS MILLING MUSEUM.**

A tour of the docks following on from the talk at the October conference and a visit to the Carrs milling museum to view the steam engine etc. Booking will be required and further details will be in the next Bulletin.

## **SUNDAY 10<sup>TH</sup> JULY CRAKE VALLEY INDUSTRIES.**

Meet at Spark Bridge Village Hall 10.30 for a look at some of the many industries that have taken place in this area. To be lead by Helen Caldwell and Roger Baker.

## **OCTOBER CONFERENCE**

To be arranged possibly Kendal area

## **NOVEMBER EVENING MEETING**

To be arranged.

## **COUNTRY HOUSE TECHNOLOGY**

The term Country House Technology refers to the adoption by country house owners of 'new' technologies of the time, and their impact on the building itself and on those who lived and worked in it.

The extent to which country house owners made use of the latest technology varied considerably. Many were unable or unwilling to invest in 'improvements', especially where "there was still an army of servants to maintain the family in the state to which they were accustomed". Others – especially those who had more recently made their money from industry or commerce – wanted the latest, not only for their comfort and convenience but also to emphasise their newfound status and wealth. Most were seeking to overcome the disadvantages of their rural location, away from mains supplies.

The National Trust record items of Country House Technology at their properties under six categories:

- **Water** which includes supplies to the house, its use inside and disposal of waste outside
- **Heating** which includes hot water boilers, open fires, kitchen and laundry equipment
- **Lighting** methods from rush lights to oil lamps to gas and electricity
- **Communications** using, for example, the telegraph and telephone
- **Fire and Security**
- **Exercise and Leisure**

What is interesting from the point of view of an industrial historian is in the development of a new market for industrial products and equipment, and the survival of these to modern times when similar items in an urban and industrial setting have been swept away. For example the buildings, plant and fittings associated with gas lighting are more likely to have survived in the country house rather than in the mills and other premises where they were first introduced.

Cumbria has more than its fair share of country houses large and small, some established, others relatively new. Our forthcoming conference will take a look behind the scenes at the technologies that were adopted to make these properties work, and to increase the comfort and convenience of those who lived in them, especially in the 19<sup>th</sup> and early 20<sup>th</sup> centuries. The focus will be on the buildings, equipment and processes outside the house rather than the fixtures and fittings inside.

Keynote talks will be given by Prof Marilyn Palmer and Dr Ian West, respectively Emeritus Professor of Archaeology and Honorary Visiting Fellow in the School of Archaeology and Ancient History at the University of Leicester. Both are well-known writers and researchers on country house technology.

They will be followed in the afternoon by a number of presentations which will include examples from around Cumbria, such as:

- **Gasworks** for Eden Hall near Penrith, and Milton Hall near Brampton
- **Water turbines** at Waterside near Hawkshead, and other installations by local manufacturer Gilkes of Kendal
- **Ice houses** including the one at Levens Hall near Kendal
- **Water supply** for Wray Castle and Witherslack Hall

The conference will be held at the Rheged Centre near Penrith on Saturday 9<sup>th</sup> April 2011 – this society's 25<sup>th</sup> spring conference. A booking form is included with this Bulletin.

Roger Baker



**Wray Castle near Hawkshead. Water was supplied from tanks on the roof and warm air from stove rooms under the terrace.** Photo Roger Baker.

## **ABSTRACTS**

**Building the tallest chimney in the world** Graham Brooks. Information 113, July 2010  
Journal of the British Brick Society.

A short note on the building of Dixon's chimney in Carlisle which in its original condition was at the time of construction the worlds tallest chimney. Plans and cross sections of the chimney are included.

**In search of Loweswater's corn mill.** Dr. Roger Asquith. The journal of Lorton & Derwent Local History Society. Vol. 46 Aug. 2010. p10.

This article describes the evidence present in historic documents and maps for the possible site of a water corn mill at Mill Hill Loweswater (Presumed site of a wind mill) and a fulling mill at Bargate.

### **C & W Transactions 2010.**

The first part of this volume is dedicated to Mike Davies--Shiels and contains 5 papers with an industrial theme.

### **The Excavation of the remains of an eighteenth Century Tannery on land at Riverside Place, K-Village, Kendal by M Railton**

This paper looks at the development of the tanning industry and the relate this to the findings on the ground in Kendal.

### **A Harrison Ainslie gunpowder Stock Book of 1871-76 By A Crocker & P Sandbach.**

This paper looks at a book which recorded the deliveries to and from the magazine at Headin Haw near Barrow and relates this to Harrison and Ainslie's other businesses including their iron ore mines and blast furnaces through out the country. It also lists the ships used to transport the gunpowder.

### **The German Mines of Caldbeck and the Discovery of an Early Primitive Wagonway By W Allison & S Murphy.**

This paper expands on the paper in the 2001 transactions and brings the story of the research and excavations in Silvergill to show the finding of evidence for the early wagonway and also the possible discovery of a new lower level.

### **The Barrow Steam Corn Mill, 1870-1972. By D Elsworth & S Whitehead.**

This paper deals with the development in corn milling with the introduction of steam power and roller milling and other techniques. This is related to the findings when the site of the Barrow Steam mill was excavated.

### **An Eighteenth Century Westmorland Colliery. By G Brooks.**

This paper deals with the analysis of an account book for Rollinsons Colliery on the side of Fell above Kirkby Stephen. It contrasts the workings of this small land sale colliery with the conditions and working practices for other early eighteenth century collieries as depicted in the published works.

Within the normal papers there is one paper of industrial interest to members.

### **‘A perilous situation’ Whitehaven-built ships in the Northern Whale Fishery. By Rob David.**

For those of you who attended the November evening meeting in 2009 this paper is the basis for the talk Rob gave that night. He looks at the short period when Whitehaven actually sent ships up to the seas around Greenland hunting for whales during the late 1780s. He also looks at the careers of two Whitehaven built ships which sailed from other ports in the 1840s

## **SITE NEWS**

The C&W newsletter Autumn 2010 reported on a number of activities at industrial sites.

Dan Elsworth from Greenlane Archaeology reported on work they have done in the county including Davey’s Yard on Salthouse Rd. Barrow, which was part of the original railway works in Barrow, Ulverston Auction mart, interestingly some of the cast iron columns were marked with the makers name ‘John Storey’ who had a foundry in Dragley Beck. Dan is keen to hear of any other cast iron products that have the makers name cast into them in the county.



**ULVERSTON  
AUCTION MART**  
Photo d Elsworth.

Martin Sowerby of Natural England reported on the renovation of a clay Dabbin barn at Thursby and also a brick built barn in North Cumbria. Here some of the bricks had been stamped and written on before firing including 'Robert Waite 1755' a number of sketches etc. appear on some of the other bricks.

## **BOOK REVIEWS**

### **Lakeland Bobbin Makers The Philipson Mills – Cunsey to Spark Bridge**

by Douglas Philipson . Price £6.99.

This very readable little book concerns four generations of the Philipson family who were involved with Bobbin Mills near Burneside, at Cunsey, and at Spark Bridge.

It was Thomas, in the second generation, who built the Spark Bridge mill on the site of the iron forge (not furnace, as it is mistakenly referred to) which had operated there from 1710 – 1750. Thomas married Margaret Braithwaite, of the Crook engineering family who made most of the bobbin mill machinery in the area. In 1929, their grandson Douglas Philipson, aged 15, was employed in the mill by his uncle and he worked there until 1956 (apart from the War years) when the mill was sold and he emigrated to Canada. In his retirement he decided to write about his experiences and the processes involved in bobbin-making.

The book covers all aspects of the business from the growing of suitable coppice wood (not oak), its purchase, transport, storage and seasoning right through to the sale of finished bobbins to the cotton mills of Lancashire. Blocking, Boring, Rincing, Roughing, Drying, Damping and Turning are all described, the turners being the most skilled men who also made many of their own tools in the on-site smithy.

Of course, many of the processes described involved significant hazards and would horrify a modern Health and Safety inspector, for example lifting drive belts onto the central drive shaft while it was in motion; sending young lads into the boiler flues to sweep out the soot; to say nothing of the dangers of the turning machines working at 3000 revs per minute.

Comments on the workers' personalities and workplace and housing conditions in the pre-World War 2 years help to create a vivid picture of the lives of bobbin workers and their community at this time, so this book will appeal to social as well as industrial historians.

The book can be found in local bookshops or obtained from Handstand Press, East Banks, Dent, Sedbergh, LA10 5QT

Helen Caldwell



**Descriptions of manufacturing businesses, premises, processes, and products in the *Carlisle Journal*, Addenda 1808-14**

(Continued from the *Bulletin of the Cumbria Industrial History Society*, Nos. 56-59)

Compiled by G. W. Oxley.

As this project has progressed the criteria for inclusion have been relaxed in the light of experience. The material below was originally excluded but would have been included under the wider criteria adopted later

**686. Weaving in Shaddongate, Carlisle**

A newly built house and four loom weaving shop occupied by John Graham advertised to be let  
*CJ* 480 2 January 1808

**687. Machine making in Bochengate, Carlisle**

Insolvency of Edward Beattie and assignment of his assets to Daniel Pattinson of Carlisle, common brewer, John Lonsdale of Carlisle, iron merchant and Richard Dugdale of Buckabank, machine maker  
*CJ* 485 6 February 1808

**688. Manufacturing in George Street, Carlisle**

Insolvency of Thomas Bewley and assignment of his assets to Daniel Pattinson of Carlisle, common brewer, William Halton and John Graham both of Carlisle, cotton manufacturers  
*CJ* 486 13 February 1808

**689. Moorehouse Mill**

Advertised to be let with a good stream of water  
*CJ* 504 18 June 1808

**690. Hat making in Penrith**

The stock in trade and equipment of Joseph Irwin advertised to be sold  
*CJ* 509 23 July 1808

**691. Crosby Mill in the parish of Crosscannonby**

Advertised to be let, with a plentiful supply of water from the river Ellen  
*CJ* 510 30 July 1808

**692. Waverton Corn Mill**

Advertised to be sold  
*CJ* 512 13 August 1808

**693. Weaving at ?Carlisle**

Nicholas Downs was committed to prison for fourteen days for the embezzlement of part of a web given to him to weave by his employers Messrs. J R & G Ferguson and Ann Brough for three month for receiving the same  
*CJ* 513 20 August 1808

**694. Mill at Wigton**

A wind mill adapted for grinding bark and grain and a drying kiln advertised to be let  
*CJ* 517 17 September 1808

**695. Bleaching at Wigton**

Dissolution of the partnership of Joseph and John Coultham and assignment of assets by Joseph Coultham of Wigton, grocer, to William Lawes of Wigton, factor and William Monkhouse of Wigton tallow chandler for the benefit of creditors  
*CJ* 518 24 September 1808

**696. Iron working at Seaton**

Report of a breach in the dam  
*CJ* 534 14 January 1809

**697. Milling near Penrith**

A water corn mill on the River Eamont advertised to be let  
*CJ* 539 18 February 1809

**698. Dyeing at Carlisle**

Insolvency of Joseph Graham and assignment of his assets to William Jackson of Bochengate, merchant and George Owers, hat manufacturer  
*CJ* 540 25 February 1809

**699. Wetheral Mill**

Advertised to be let with Wetheral Abbey Farm  
*CJ* 553, 27 May 1809

**700. Waver Bridge Mill in the parish of Broomfield**

Advertised to be let; has a prodigious supply of water from the river Waver  
*CJ* 561, 22 July 1809

**701. Theft of textiles**

The carts of Mr Wright at Tennon, carrier were robbed of a very large quantity of printed cottons, corduroys, etc. also handkerchiefs, nine eighths cotton stripes; six fourths checks; cotton shirtings, white calicoes, six fourths coloured

shirts, and three fourths coloured gingham

*CJ* 575, 28 November 1809

**702. Armathwaite water corn mill**

On the banks of the river Eden; advertised to be let with a dwelling house, stable and kiln  
*CJ* 576, 4 November 1809

**703. Mill at Westlinton**

Report of a fire  
*CJ* 584, 30 December 1809

**704. Harraby Corn Mill**

Advertised to be let on a renewable lease, with nine acres of land and having command of the whole stream of the River Pettril and extremely well calculated for carrying on an extensive trade. Could be of interest to bleachers, millers, badgers, tanners, skimmers, etc.  
*CJ* 586, 13 January 1810

**705. Business premises in Damside, Carlisle**

A large and convenient counting house, and warehouse with a stable, hat loft and stable, hay loft and garden, lately occupied by Lamb, Scott, Waldie & Co advertised to be let by Robert Ferguson, the owner  
*CJ* 589, 3 February 1810

**706. Mill at Sparkett, near Greystoke**

Insolvency of John Parker and assignment of assets to Thomas Todhunter of Huttonsoil, yeoman and John Stalker of Huttonsoil, farmer  
*CJ* 590, 10 February 1810

**707. Tan yard at Parton**

Advertised to be let, recently occupied by James Hodgson, deceased

*CJ* 605, 26 May 1810

**708. Barblethwaite water corn mill and kiln**

Advertised to be sold at Kendal

*CJ* 614, 28 July 1810

**709. Shipbuilding and rope making at Workington and Harrington**

One share (equal to between one twelfth and one thirteenth of the whole of the businesses) conducted under the firms of Wilton, Wood & Co. and Askew, Ellwood & Co.

*CJ* 615, 4 August 1810

**710. Brewery at ?**

New and commodious brewery occupied by Joseph Little advertised to be sold

*CJ* 616, 11 August 1810

**711. Soapery and chandlery at Wigton**

Advertised to be sold

*CJ* 621, 15 September 1810

**712. Milling at Kendal**

Millwrights wanted by William Turner of Castle Mills

*CJ* 625, 13 November 1810

**713. Fitz water corn mill near Cockermouth**

Advertised to be let, apply John Stoddart & Son

*CJ* 632, 2 December 1810

**714. Manufacturing at ?**

Insolvency of Daniel Hewson of Wigton and John Barnes of Little Bampton

*CJ* 632, 2 December 1810

**715. Hat making on Caldew Brow, Carlisle**

Insolvency of William Cranmer

*CJ* 632, 2 December 1810

**716. Manufacturing at Carlisle**

Dissolution of the partnership of John Gibbons and William Johnson trading as Gibbons and Johnston

*CJ* 634, 15 December 1810

**717. Dye house without Irishgate, Carlisle**

Advertised to be let by Francis Beattie. John Beattie, hat manufacturer will show the premises

*CJ* 635, 22 December 1810

**718. Tan yard at Temple Sowerby**

Advertised to be let

*CJ* 635, 22 December 1810

**719. Corn machine making in Scotch St., Carlisle**

Creditors of the late Thomas Hutton are asked to send in their accounts and debtors their payments

*CJ* 637, 5 January 1811

**720. Last, patten, and clog manufacturers in Mrs. Keay's Lane, Scotch Street**

John Beattie and Richard Ripley have commenced business

*CJ* 632(sic), 2 February 1811

**721. Renwick Mill, near Penrith**

Advertised to be let

*CJ* 632(sic), 2 February 1811

**722. Hat making on Caldew Brow, Bochengate, Carlisle**

Report of a break in at the premises of William Carrick  
*CJ* 639, 9 February 1811

**723. Coal and lead mines at Hill Beck, Westmorland**

Advertised to be let  
*CJ* 636, 2 March 1811

**724. Coach making in Bochengate, Carlisle**

H & J Fairburn have taken over the premises and stock of William Batty  
*CJ* 651, 13 April 1811

**725. Manufacturing in Wigton**

Insolvency of William Barker  
*CJ* 651, 13 April 1811

**726. Check Manufacture in Maryport**

Insolvency of James Bouch and Samuel Tolson  
*CJ* 655, 11 May 1811

**727. Cooper in Shaddongate, Carlisle**

Insolvency of William Mark  
*CJ* 656, 18 May 1811

**728. Mining in west Cumberland**

Veins of copper and lead ore less than twenty miles from Workington, Whitehaven, and Maryport advertised to be let  
*CJ* 659, 8 June 1811

**729. Water corn mill at Denton Holme, Carlisle**

Advertised to be let with Denton grazing farm  
*CJ* 662, 29 June 1811

**730. Weaving in Longtown and Carlisle**

The unexpired portion of a lease of a twelve loom shop at Longtown with four dwelling rooms above and the leases of several weaving shops and warehouses in Carlisle advertised,. apply John Gibbons, draper  
*CJ* 666, 27 July 1811

**731. Brush manufacture in Castle Street, Carlisle**

T. & J. Wilson have commenced business  
*CJ* 675, 28 November 1811

**732. Mill at Plumbland**

Insolvency of John Perry of Plumbland Mill  
*CJ* 686, 14 December 1811

**733. Machine making at Little Halston**

A smith, turner and fitter required by Richard Dugdale  
*CJ* 688, 28 December 1811

**734. Manufacturing ?in Carlisle**

A young person by the name of Hall was cleaning the machinery at the manufactory of Cowan, Heysham & Co. when he became entangled therein. One of his arms was torn from his body and the bone of his thigh was dreadfully fractured. He is in a very precarious state  
*CJ* 689, 4 January 1812

**735. Weaving**

Notice to masters and journeymen weavers by the regular followers of the trade drawing attention to the requirement under 5 Eliz.I c.4 for weavers to serve a seven year apprenticeship and quoting sections 30-33, 39, and 41  
 CJ 690, 11 January 1812

**736. Shipbuilding at Whitehaven**

On Tuesday se'nnight a vessel called *London* of 600 tons was launched from the yard of T & J Brocklebank. The largest brig ever built in a British port  
 CJ 692, 25 January 1812

**737. Shipbuilding at Workington**

On Friday se'nnight a copper bottomed ship called *Fame* of 400 tons was launched from the yard of Michael & John Falcon for the West India trade.  
 CJ 692, 25 January 1812

**738. Shipbuilding at Whitehaven**

On Monday a vessel called *Ocean* was launched from the yard of Mr Scott for Messrs. Whiteside & Co.  
 CJ 696, 22 February 1812

**739. Shipbuilding at Workington**

On Saturday last a vessel called *Carrick* was launched from the yard of W Wallace & Co. for Captain Joseph Bushby  
 CJ 696, 22 February 1812

**740. Cotton mill at Damside Carlisle**

Advertised to be let with all the machinery and utensils. Occupied by Henry Cliffe, owned by Daniel Pattinson  
 CJ 698, 7 March 1812

**741. Lead smelting in Alston**

Tynehead Mill occupied by John Lowry advertised to be let by proposal to the best bidder for a term of seven years. Mr Thomas Millican agent at Tynehead will show the premises. Proposals to J D Tomlinson of Stamford  
 CJ 699, 14 March 1812

**742. Shipbuilding at Whitehaven**

On Tuesday se'nnight a vessel called *James* of 203 tons was launched from the yard of Samuel Nicholson for Captain John Taylor  
 CJ 699, 14 March 1812

**743. Shipbuilding at Maryport**

On Saturday last a vessel called *Royalist* was launched from the yard of Peat & Co. for Captain Peter Ashbridge of Maryport  
 CJ 700, 21 March 1812

**744. Calico printing ?in Carlisle**

Creditors of Anthony Holme, late partner in the house of J Losh & Co. are requested to deliver their accounts to John Losh, calico printer or John Rigg, mercer, both of Carlisle  
 CJ 702, 4 April 1812

**745. Calico Printing at Woodbank, near Upperby**

Report of a robbery of the wife of George M'Adam late an engraver at Woodbank and now unemployed  
 CJ 702, 4 April 1812

**746. Tannery at Wigton**

Insolvency of Joseph Matthew  
 CJ 703, 11 April 1812

**747. Hat making in Spring Garden Lane, Rickergate, Carlisle**

Ritson and Maguire have commenced retail and wholesale hat manufacture.

*CJ* 703, 11 April 1812

**748. Shipbuilding at Harrington**

On Saturday last a vessel called *Ruth of 188 tons* was launched from the yard of Key, Carr, & Co. for Captain Gurry

*CJ* 704, 18 April 1812

**749. Shipbuilding at Maryport**

On Tuesday last a vessel called *Patriot* was launched from the yard A. Wood & Co. for Captain Bell  
*CJ* 706, 2 May 1812 and *CJ* 707, 9 May 1812

**750. Shipbuilding at Whitehaven**

On Saturday last a vessel called *Ceres* of 200 tons was launched from the yard of William Bowes & Co. for Mr Cowen

*CJ* 706, 2 May 1812

**751. Dyeing in Caldewgate, Carlisle**

Insolvency of Edward Alderson, dyer  
*CJ* 706, 2 May 1812

**752. Shipbuilding at Workington**

On Tuesday se'nnight a vessel called *King George* of 300 tons and pierced for 16 guns was launched from the yard of Kelsick Wood, Peile & Co. for Captain John Atkinson in the foreign trade

*CJ* 707, 9 May 1812

**753. Manufacture in Longtown**

Insolvency of James Bell, John Bell, and William Harrop, co-partners  
*CJ* 707, 9 May 1812

**754. Weaving at Irthington, near Brampton**

Check weaving shops advertised to be sold

*CJ* 707, 9 May 1812

**755. Corm mill at Plumbland**

Insolvency of John Penny, miller  
*CJ* 707, 9 May 1812

**756. Dyeing at Buckabank, Dalston**

Insolvency of Joshua Shield, dyer  
*CJ* 708, 16 May 1812

**757. Linen bleaching at Southwaite Green, in the parish of Barton in Westmorland**

Insolvency of John Ritson  
*CJ* 708, 16 May 1812

**758. Woollen Manufacture in Kendal**

Petition against the Orders in Council  
*CJ* 708, 16 May 1812

**759. Weaving in Upperby**

John Tinting, an apprentice, had absconded from Isaac Hodgson  
*CJ* 709, 23 May 1812

**760. Shipbuilding at Whitehaven**

On Wednesday last a vessel called *Scipio* of 180 tons was launched from the yard of William Bowes & Co. for Captain Madders  
*CJ* 713, 20 June 1812

**761. Manufacture in Carlisle**

Insolvency of Thomas Bennet and John Chirney  
CJ 716, 11 July 1812

**762. Cotton Manufacture in Carlisle**

Report of the conviction of Thomas Strong of Shaddongate for stealing several pieces of cotton cloth from Fergusons & Dixons for whom he was confidential agent. Sentenced to seven years transportation  
CJ 717, 18 July 1812

**763. Shipbuilding at Whitehaven**

On Saturday last a vessel called *Elizabeth* was launched from the yard of Kelsick Wood, Peile, & Co. for Captain Wedgewood  
CJ 719, 1 August 1812

**764. Malting on the River Raven at Kirkoswold**

Premises advertised to be sold  
CJ 719, 1 August 1812

**765. Linen manufacture in Cockermouth**

Insolvency of John Banks  
CJ 721, 15 August 1812

**766. Milling in Wigton**

Insolvency of Peter Norman of Bridgefoot Mill  
CJ 721, 15 August 1812

**767. Shipbuilding at Whitehaven**

On Wednesday se'nnight a vessel called *Abbey* was launched from the yard of Mr Cowen for Captain Field  
CJ 723, 29 August 1812

**768. Manufacturing in ?Wigton**

Insolvency of John Barnes of Little Bampton and Daniel Hewson of Wigton  
CJ 724, 5 September 1812

**769. Shipbuilding at Whitehaven**

Last week a vessel called *Millom* was launched from the yard of Mr Cowen for Captain Tomlinson  
CJ 724, 5 September 1812

**770. Shipbuilding at Harrington**

Yesterday week a vessel called *Marquis Wellington* of 241 tons was launched from the yard Peile, Wood & Co.  
CJ 724, 5 September 1812

**771. Shipbuilding at Workington**

On Tuesday se'nnight a vessel called *Friendship* was launched from the yard Michael Falcon for Captain Perkin  
CJ 724, 5 September 1812

**772. Cotton Mill at Warwick Bridge**

Report of a fire which threatened the buildings for an hour but was put out by workmen & neighbours  
CJ 724, 5 September 1812

**773. Paper manufacture at Caldbeck**

Insolvency of John Simpson  
CJ 725, 12 September 1812

**774. Shipbuilding at Whitehaven**

On Wednesday se'nnight a vessel called *Minerva* was launched from the yard Mr. Scott  
CJ 726, 10 September 1812

**775. Shipbuilding at Whitehaven**

Yesterday week a vessel called *Volunteer* was launched from the yard W Still & Co.

CJ 726, 10 September 1812

**777. Shipbuilding at Whitehaven**

Last week three ships were launched

CJ 728, 3 October 1812

**778. Slate and stone quarry on Lazonby Fell**

Isaac Henderson and John Boak can supply slates, flags, & millstones from their quarry on the land of J Nixon Brown of Crosfield

CJ 728 & 841, 3 November 1812 & 3 December 1813

**779. Brewery in Tangier Street, Whitehaven**

Now occupied by John Russell, the owner, and advertised to be let with the brewing utensils, malt houses, stables, and casks and the stock at a valuation

CJ 729, 10 November 1812

**780. Shipbuilding at Workington**

Last week a copper bottomed vessel called *Mars* was launched from the yard of Kelsick Wood, Peile, & Co. for Captain Williamson in the West India trade

CJ 730, 17 October 1812

**781. Shipbuilding at Maryport**

On Thursday last a three masted schooner called *Vine* was launched from the yard Joseph Middleton for Captain Henry Ismay

CJ 731, 24 October 1812

**782. Furnace Mill on the River Ellen near Maryport**

A large commodious and well accustomed corn mill lately occupied by John Blacklock, deceased advertised to be let Humphrey Senhouse, miller

CJ 744, 23 January 1813

**783. Shipbuilding at Whitehaven**

On Saturday morning a vessel called *Henry* was launched from the yard of Mr Cowen (sic) for Captain Wheeler

CJ 746, 6 February 1813

**784. Shipbuilding at Harrington**

On Saturday morning a vessel called *Harrington* of 128 tons was launched from the yard of Key, Carr, & Co. for Captain Henry Piper in the American trade

CJ 746, 6 February 1813

**785. Shipbuilding at Maryport**

On Wednesday last a vessel called *Queen* was launched from the yard of Peat, & Co. for CJ 750, 6 March 1813

**786. Shipbuilding at Whitehaven**

On Saturday last a copper bottomed vessel called *Kelsick Wood* was launched from the yard of Kelsick Wood, Peile, Co. for the West India trade

CJ 751, 13 March 1813

**786. Shipbuilding at Workington**

On Saturday last a copper bottomed ship called *William Fell* of 400 tons and pierced for twenty guns was launched from the yard of Michael Falcon for Captain John Boal in the West India trade

CJ 755, 10 April 1813



**787. Shipbuilding at Harrington**

On Saturday se'nnight a vessel called *Harmony* of 152 tons was launched from the yard of W Peile, Wood, Co  
CJ 756, 17 April 1813

**788. Shipbuilding at Whitehaven**

Since our last a vessel called *Margaret and Frances* was launched for Captain Hugh Welsh  
CJ 759, 8 May 1813

**789. Shipbuilding at Whitehaven**

Since our last a smack called *Industry* was launched for the fishing trade  
CJ 759, 8 May 1813

**790. Shipbuilding at Harrington**

Since our last a vessel called *Mayflower* was launched  
CJ 759, 8 May 1813

**791. Shipbuilding at Workington**

Since our last a vessel called *Younghusband* was launched for the Captain Fisher  
CJ 759, 8 May 1813

**792. Shipbuilding at Whitehaven**

On Saturday last a smack called *Caesar* was launched from the yard of Mr Cowan for the coastal fishery. Mr Richard Power of the Ram's Head Public House, who named her, had no sooner thrown the bottle at her than he dropped down and expired  
CJ 763, 5 June 1813

**793. Shipbuilding at Workington**

On the fifteenth ult. a vessel called *Rambler* was launched from the yard of William Wallace & Co.  
CJ 763, 5 June 1813

**794. Shipbuilding at Workington**

On Saturday last a brig called *Maria* was launched from the yard of William Wallace & Co.  
CJ 763, 5 June 1813

**795. Shipbuilding at Workington**

On Saturday last a vessel called *Vittoria* was launched from the yard of William Wallace & Co.  
CJ 763, 5 June 1813

**796. Shipbuilding at Maryport**

On Wednesday last a vessel called *William Neilson* of 400 tons was launched from the yard of Adam Wood & Co. for Mr A Davison of Liverpool. She is allowed by competent judges to be as complete a vessel as has been built for the double purpose of sailing and stowage  
CJ 771, 31 July 1813

**797. Shipbuilding at Workington**

On Wednesday se'nnight a vessel of 300 tons pierced for fourteen guns was launched from the yard of William Wallace & Co. for Captain George Brown  
CJ 772, 7 August 1813

**798. Shipbuilding at Maryport**

On Saturday last a vessel called *Jack Tar* was launched from the yard of Peat & Co.  
CJ 774, 21 August 1813

**799. Malting at Bocherby**

Insolvency of Thomas Holme  
CJ 776, 4 September 1813

**800. Shipbuilding at Whitehaven**

On Thursday se'nnight a vessel called *Vittoria* was launched from the yard of W Bowes & Co  
CJ 776, 4 September 1813

**801. Shipbuilding at Whitehaven**

On Thursday se'nnight a vessel called *Aimwell* was launched from the yard of T & J Brocklebank for Captain Bouch  
CJ 776, 4 September 1813

**802. Shipbuilding at Whitehaven**

On Wednesday se'nnight a vessel called *True Briton* was launched from the yard of W Bowes & Co  
CJ 780, 2 October 1813

**803. Shipbuilding at Whitehaven**

On Saturday a vessel called *Ann* was launched.  
CJ 780, 2 October 1813

**804. Shipbuilding at Whitehaven**

On Friday se'nnight a vessel called *Aurora* of 166 tons was launched from the yard of Wilson, Walker & Co.  
CJ 781, 9 October 1813

**805. Shipbuilding at Maryport**

A few days ago a three masted schooner called *Clyti* was launched from the yard of Joseph Middleton & Son  
CJ 787, 20 November 1813

**806. Shipbuilding at Maryport**

On Tuesday a copper bottomed vessel called *Thomas Bouch* was launched from the yard of Adam Wood & Co.  
CJ 788, 27 November 1813

**807. Shipbuilding at Workington**

On Tuesday se'nnight a copper bottomed vessel called *Mary Fell* was launched from the yard of William Wallace & Co. for Captain Stanley Wilderidge in the West India trade  
CJ 789, 4 December 1813

**808. Brewery at Cockermouth**

A large and extensive brewery with a well built dwelling house and garden behind including a brew house, a mill house, cellars, offices and dwelling houses above the same, two good malt kilns 60' x 19' and 45' x 16', granary rooms for storing malt, stables, cow house and hay loft and every convenience needed for carrying on brewing and malting on an extensive scale, all of which have recently undergone thorough repair advertised by the executors of the late John Russell, deceased. Mrs Russell and Mr John Richardson at the brewery will show the premises  
CJ 789, 4 December 1813

**809. Damask and diaper weaving at Upperby**

Insolvency of Anthony Charters  
CJ 794, 8 January 1814

**810. Woollen manufacture at Willow Holme, Carlisle**

Insolvency of William Miller  
CJ 797, 29 January 1814

**811. Foundry in Carlisle**

Moulders and apprentices advertised for by R W & R Porter  
CJ 797, 29 January 1814

**812. Iron foundry in Kendal**

Greensand iron founder advertised for by S. Cornthwaite  
CJ 797, 29 January 1814

**813. Shipbuilding at Workington**

On Monday 7<sup>th</sup> a copper bottomed vessel pierced for twenty guns called *Alexander* of 450 tons was launched from the yard of William Wallace for Captain Vickers of Liverpool for the Quebec trade  
CJ 800, 19 February 1814

**814. Shipbuilding at Workington**

On Monday 7<sup>th</sup> a copper bottomed vessel pierced for twenty guns called *Cossack* of 50 tons was launched from the yard of Michael Falcon for the West India trade  
CJ 800, 19 February 1814

**815. Shipbuilding at Workington**

On Saturday last a schooner called *Recovery* of 100 tons was launched from the yard of Kelsick Wood, Peile & Co for a Liverpool trader about to be established in this port  
CJ 807, 9 April 1814

**816. Shipbuilding at Harrington**

On the 7<sup>th</sup> inst. A vessel called *General Blucher* of 380 tons was launched from the yard of Key, Carr, & Co for Captain John Grayson for the West India and North American trade  
CJ 808, 13 April 1814

**817. Shipbuilding at Maryport**

On Thursday last a brig called *Cyclops* was launched from the yard of Adam Wood, & Co for Captain Braithwaite  
CJ 809, 26 April 1814

**818. Dyeing at Carlisle**

A dyer advertised for by J Penrith  
CJ 810, 30 April 1814

**819. Shipbuilding at Workington**

On Saturday last a vessel called *Shannon* of 350 tons was launched from the yard of Kelsick Wood, Peile & Co for Captain Kendal for the foreign trade  
CJ 812, 14 May 1814

**820. Shipbuilding at Maryport**

On Saturday last three vessels called *Liberty*, *Catherine*, and *Cooper* were launched from the yard of Adam Wood, & Co for D. Consen, esq. A select company dined at the Seaman's Tavern while the band played many loyal airs. The afternoon was spent in the greatest conviviality and harmony. The day being fine an immense number assembled to view such a sight as was never before exhibited in Maryport  
CJ 815, 4 June 1814

**821. The Carlisle Cotton Twist Mill**

Report of considerable damage done to the ornamental plantation adjoining the mill, the destruction of several trees, and other wanton injuries. The perpetrators are being sought.

Report of a disturbance at the mill. The Company had raised wages during the recent improvement in trade but lowered them again when it fell off. The men went on strike and females were employed instead. The men tried to intimidate the females not to work. Thomas Thompson, Thomas Sawyer and Duncan Campbell were convicted of

combination and sentences to one month in gaol  
CJ 817 & 818, 18 & 25 June 1814

**822. Brewing in Carlisle**

Dissolution of the partnership of John Haugh, George Haugh, and James Mulcaster, common brewers  
CJ 819, 2 July 1814

**823. Shipbuilding at Maryport**

On Saturday last a vessel called *Minerva* was launched from the yard of Adam Wood, & Co for the fishing trade  
CJ 827, 27 August 1814

**824. Shipbuilding at Workington**

On Saturday last a vessel of 180 tons called *Sophia* was launched from the yard of William Wallace for Captain McKie  
CJ 827, 27 August 1814

**825. Lime quarrying and burning at Lime Kiln Nook in Castle Sowerby**

Nisi Prais case at Cumberland Assizes: The Duke of Devonshire against Little. Little had been taking limestone from the Duke and converting it to his own use by burning it at his lime kiln at Lime Kiln Nook and selling it to tenants of Castle Sowerby and others. Witness Isaac Bewley had known Lime Kiln Nook for fourteen years, had worked for DL for seven, and previously for Joseph Robson who sold lime to tenants and others. Witness Joseph Jefferson, a copyhold tenant of Castle Sowerby had purchased lime for twenty five years from Bell and his successors. He knew William Jacks who burned for his own use only. Witness --- Wright had lived in

Castle Sowerby for 27 years said that the custom was that tenants might get lime on their own land for their own use but not 'make merchandise of it'. Witness Robert Bell (now dead) lived at Lime Kiln Nook and paid 5/- a year to quarry lime. He was present when Mr Charlton demanded rent from Mr Jackson for a limestone quarry. He knew Mr Relph whose limekilns were near the defendant's and he did not sell lime.  
CJ 828, 3 September 1814

## **POST WAR INDUSTRIALISATION OF WEST CUMBERLAND**

Our member Jack Lancaster has provided the following documents that were issued in the 1940's after the end of the war. They show what were thought to be the major industries of the area and also the new industries that were hoped were going to lead to future prosperity. It would be an interesting project to see which have survived and which never made it.

### MEMORANDUM ABOUT THE WEST CUMBERLAND INDUSTRIAL AREA.

August. 1947.

The West Cumberland Industrial area is included in the schedule of what were known before the war as Depressed Areas, but what are now known as Development Areas. It may be commonly supposed that its future will be one of continual decline, or at any rate that it will be static. This memorandum is a short statement of a number of facts from which an opinion may be formed about its future possibilities.

Geographically, the area is a comparatively narrow strip lying between the sea on the west and the hills on the east, beginning at Maryport in the North and extending to Seascale in the South.

In the past the population lived on the work of coalminers, Iron ore miners, iron and steel workers, railway transport and agriculture. The coal mines, iron ore mines, iron and steel works and railways were operated by a number of small units, the administrative centre of which was at Whitehaven. Agriculture was spread over the whole area and Whitehaven was the principle market town, although Maryport and Workington were also used by the agricultural community.

All these activities in spite of pronounced fluctuations resulted in a considerable expansion in the nineteenth century. In the last thirty years the reserves of iron ore have diminished and the more easily worked coal mines have been exhausted; in the process a number of units have gone out of production and the remainder have been consolidated, so that the collieries are for the most part owned by three companies, the iron ore mines by two, and the iron and steel works, which is now by far the most important activity, by one, and the railways are all in the hands of the L.M.&S. Railway Company.

The managements of most of these large units are situated in other parts of the country and in consequence Whitehaven has become less important. The centre of activity has removed to Workington where the iron and steel works are situated and where there is a modern medium sized dock.

The iron ore mines which are adjacent to Egremont, although reserves are being exhausted more quickly than new deposits are being discovered and although they may continue to diminish, should last for another fifteen to twenty years. They will last longer if new deposits are found, but geologists are doubtful about new discoveries.

The coal mines are difficult and expensive to work. But modernisation and development is being carried out and whoever may own or work them in the future they must continue to be worked because they form the basis of the whole area. The reserves are relatively very large.

The iron and steel works, of which there were many, have been concentrated in the one unit. They have been largely rebuilt and the process of modernisation still continues. Coke making is concentrated in a single new installation at the iron and steel works, from which gas is supplied to a number of points in the area.

Electricity is obtained from the grid.

Shipping is catered for at Whitehaven, Workington and Maryport. Whitehaven and Maryport can accommodate only small boats, but Workington can accommodate boats up to 10,000 tonnes.

The foregoing are old activities, but a good deal has been done to enable them to hold their own and to meet the requirements of the future. What follows concerns the future.

Before the war, efforts had been made to develop new industries. A West Cumberland Development Company was formed and some success was achieved.

During the war development continued and in addition special works and factories were established for war purposes. Since the war ended a number of new projects have been started or are in contemplation.

The attached schedule enumerates the industrial activities of the area, the projects which the Development Company have introduced and projects now contemplated. A plan gives the names and shows the position of all the places named.

In addition, a number of small ploholders have been accommodated with houses and market gardens.

Apart from the smaller projects the following are important developments which are being or which may be undertaken between Seascale and Workington.

At Drigg, just south of Seascale, there is a large explosive or filling factory built during the war, now closed but available for any suitable, new undertaking. At Sellafield, Courtaulds have purchased a war-time factory and are converting it for their own use.

Between St. Bees Head and Whitehaven, it is probable that a new coal mine will be sunk.

At Harrington a works established during the war for recovering magnesium from sea water will probably continue in operation.

At Distington a large works was built during the war for making and fabricating high duty alloys. The making of these alloys may not be continued but it is probable that other use will be found for the works.

At Workington a large electric steel works which cost over £2,000,000, constructed during the war, and a number of shell forging and shell machining shops are being converted into iron and steel foundries and engineering works.

A new coal mine begun before the war is being developed.

A large electric power station is under serious consideration but it is doubtful if the electrical authorities will reach a decision about it for a few years.

The smaller enterprises are and will continue to be located on the flat strip of land on the coast between Workington and Maryport. It seems certain that the income of the area, which has responded to the efforts made to revive it, will continue to increase. There may be no increase in the numbers of the working classes, but they will have more to spend. It is to be expected that there will be an increase in numbers of the supervisory classes and of their income and that there will be an increase in the income of traders and shopkeepers.

## CUMBERLAND INDUSTRIES

11<sup>TH</sup> FEBRUARY 1946

### NAME OF COMPANY

### SITE OF WORKS

### PRODUCTS

#### 1) IRON AND STEEL

United Steel Companies Ltd

Workington

Pig Iron, rails, Billets, Steel Sleepers,  
Fishplates, Ingot Moulds, etc  
Refined Iron.

Charcoal Iron Company Ltd

Backbarrow

## 2) STRUCTURAL & ENGINEERING WORKS

Pratchitt Bros. Engineering	Carlisle	Iron Founders and Genral
Cowans, Sheldon & Co Ltd Engineers	Carlisle	Crane Makers, Structural & plant
Exors. Of Daniel Clarke	Carlisle	Iron Founders
Jos. Wharton & Sons	Maryport	General Iron Founders
Wm. Sandham & Sons	Workington	Structural Engineers
W.A. Parker & Co.	Workington	Iron Fencing Manufacturers
Drummond & Co	Workington	Structural Engineers
Rayboulds ltds	Workington	Steel Crusher Ball Maker
J. Stout & Sons	Whitehaven	General Iron Founders
Heathcote & Sons	Cleator Moor	Iron Founders
Stalker Bros.	Penrith	Small Iron Founders
J. Braithwaite & Sons	Kendal	Woodworking Machinery
Gilber Gilkes & Gordon Ltd	Kendal	Water Turbine & Plant Engineers
Hudson, Scott & Sons	Carlisle	Metal Box Makers

## 3) CHEMICAL INDUSTRY

J & W. Maxwell Ltd.	Silloth	Phosphate and other Fertilisers
West Cumbria By-Products Co. Ltd Products	Flimby	Sulphuric Acid, Fertilisers and Tar
United Coke & Chemicals Co. Ltd (owned by United steel Cos. Ltd)	Lowca	Tar Products Manufacturers
United Steel Co. Ltd Manufacturers	Workington	Benzole and Tar By-Products



#### 4) IRON ORE MINES

Millom & Askam Hem. Iron Co. (Florence Mine)	Egremont	Hematite Iron Ore
Ullcoats Mining Co. Ltd (controlled by Millom & Askam)	Egremont	Hematite Iron Ore
Beckermest Mining Co Ltd (including 1& 2 pits and Haile Moor Mine)	Beckermest	Hematite Iron Ore
Barrow Hem. Steel Co. Ltd	Cleator Moor	Hematite Iron Ore
Hodbarrow Mining Co. Ltd	Millom	Hematite Iron Ore
Geenside Lead Mines	Ullswater	Lead and Zinc

#### 5) LIMESTONE QUARRIES

United Steel Cos. Ltd	Rowrah	Blast Furnace Limestone (Fluxing)
Salter & Eskett Limestone Co.	Eskett	Limestone (Fluxing), Road Stone,
Burnt lime		
Millom & Askam Hem. Iron Co. (Red Hill)	Millom	Limestone (Fluxing)
Bothel Lime & Limestone Co.	Aspatria	Road Stone. Agricultural Lime
Messrs. Hodgson	Bothel	Road Stone, Agricultural lime
Thos. Armstrong & Son	Brigham	Road Stone, Agricultural Lime
Harrison Lime Works Ltd	Blencow	Road Stone, Agricultural Lime
Clifton & Lowther Lime Works	Penrith	Road Stone, Agricultural Lime
Cumberland County Council throughout County.	Carlisle	Road stone, Small outcrops

#### 6) GRANITE QUARRIES

Shap Granite Co Ltd	Shap	Granite sets, Road Stone, Cement Pipes, etc.
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Keswick Granite Co. Ltd  
 Eskdale Granite Co. Ltd  
 Buttermere Slate Quarries

Embleton  
 Irton  
 Honister, Buttermere

Road Stone, Sets, Aggregate  
 Road Stone, sets, Aggregate  
 Green Slate

## 7) COLLIERIES

Cumberland Coal Co. Ltd  
 \*United Steel Cos.Ltd (pits 10 &11)  
 \*Moresby Coal Co Ltd.  
 \*United Steel Cos. Ltd (Solway Pit)  
 \*Risehow Colliery Co. Ltd  
 \*Gillhead Colliery  
 \*St Helen's Coal & Firebrick Co Ltd  
 Allerdale Coal Co Ltd  
 Birkby Coal Co Ltd  
 Naworth Coal Co Ltd

Whitehaven  
 Harrington  
 Moresby Park  
 Workington  
 Flimby  
 Flimby  
 Siddick  
 Great Clifton  
 Dearham  
 Brampton

coal  
 coal  
 coal  
 coal  
 coal  
 coal  
 coal  
 coal  
 coal

Companies marked \* are all owned by the United Steel Companies.

## 8) GENERAL INDUSTRIES

### A) TANNERIES

Wm. Walker Ltd  
 Wm. Walker Ltd

Stainburn, Workington  
 Whitehaven

Hide Tanning  
 Hide Tanning

### B) FLOUR & GRAIN MILLING

Carr & Co Ltd  
 J Patterson & Sons

Silloth  
 Whitehaven

Millers  
 Millers

### C) PAPER MAKERS

Chas. Cropper & sons	Burneside, Kendal	Paper Manufacturer
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### D) LEAD PENCIL MANUFACTURERS

Cumberland Pencil Co	Keswick	Lead Pencils
Messrs. Phillipson	Keswick	Bobbin Maker

### E) CLOTHING ETC.

Bucks & Co	Carlisle	Shirt Manufacturer
Messrs. Chance	Cummersdale, Carlisle	“Sundour” Fabrics
Redmaynes	Wigton	Cumberland Tweed

### F) BREWERIES AND MINERAL WATER MANUFACTURERS

Carlisle State Brewery	Carlisle	Brewing etc.
Workington Brewery Co. Ltd	Workington	Brewing etc.
Faulders Brewery Co.	Keswick	Brewing etc.
Walker’s Brewery Co.	Silecroft	Brewing etc.
Case’s Brewery Co.	Ulverston	Brewing etc.
Penrith Brewery Co. Ltd.	Penrith	Brewing etc.
Jennings Ltd.	Cockermouth	Brewing etc.

### G) BOOT AND SHOE MAKING

Messrs. Sommerville	Kendal	“K” Boots and Shoes
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### H) BRICKWORKS

United Steels Cos. Ltds	Micklam, Nr. Harrington	Refractory Goods, Building Bricks
Whitehaven Brick & Tile Co.	Whitehaven	Building Bricks
J. Laing & Sons Ltd	Carlisle	Building Bricks
J & R Bell	Carlisle	Building Bricks

Lonsdale Brick & Tile Co.  
Kirkhouse Brick & Tile Co.  
Culgaith Brick & Tile Co.

Cotehill  
Brampton  
Brampton

Building Bricks, Earthware Pipes, etc.  
Building Bricks, Earthware Pipes, etc.  
Building Bricks, Earthware pipes, etc.

#### I) OTHERS

Peirce & Co  
Cumberland Childwear  
Lakeland Food Industries Ltd  
Cumberland Knitwear Ltd  
Hornflowa Ltd  
Bata Shoe Co. Ltd  
Silbertson & Sons  
Egerton Trimming  
Kangol Wear Ltd  
Cumberland Paper Co.  
West Cumberland Silk Mills Ltd  
West Coast Chrome Tanning Co. Ltd  
Nesbitt & Co  
John & Co  
Cumberland Cloth Co Ltd  
High Duty Alloys Ltd  
Edgard's Fibre Mill  
R.O.F (Royal Ordnance Factory)  
R.O.F  
R.O.F  
M.O.S (Ministry of Supply)  
R.O.F  
British Thermal Syndicate  
  
Millers (Gt Yarmouth) Ltd  
Bradford Fertilizer Co.

Maryport  
Maryport  
Maryport  
Maryport  
Maryport  
Cleator Moor  
Cleator Moor  
Cleator Moor  
Cleator Moor  
Whitehaven  
Millom  
Millom  
Millom  
Workington  
Distington  
Whitehaven  
Sellafield (Courtaulds Ltd)  
Drigg  
Bootle  
Harrington Shore Works  
Silloth & Kirkbride  
Workington  
  
Cockermouth  
Cockermouth

Surgical Instruments  
Clothing  
Dried & Preserved Fruits & Juices  
Ladies Knitwear  
Buttons & Hornflowa  
Boots and Shoes  
Uniform and Caps  
Fancy Trimmings, Girdles,, etc.  
Berets and other Caps  
All Kinds of Processed Paper  
Rayon Silk  
Upper Leather of all kinds  
Clothing  
Clothing  
Woollen Products  
Light Alloys  
Clothing  
Cellulose and Chemicals  
Explosives  
Breaking Down Ammunition  
Magnesia  
Aircraft repair  
Reconditioning of Telecommunications  
Apparatus  
Boots & Shoes  
Fertilizer

Eugene Ltd

Whitehaven

Toilet Articles and Preparations

**PROPOSED NEW INDUSTRIES IN WEST CUMBRIA**

Herts Welding Co Ltd, St Albans  
Corner & Co, Manchester  
Larma Ltd, Congleton  
P. Sutcliffe (Gowans) Ltd, Bradford  
Gulstad & Graham Ltd, Littleborough  
Vale Carpets Co Ltd, Greetland  
Luxan Ltd, Manchester  
T. J. Brooks (Autos) Ltd, Leicester  
Hackney & Co Ltd, Wigton  
Hainsworth & Co, Halifax  
Romney Prams Ltd  
Brannon & Co  
Redmaynes Ltd  
Dorman and Smith Ltd  
Clapham Park Motors

Maryport  
Workington  
Aspatria  
Egremont  
Maryport  
Workington  
Workington  
Maryport  
Aspatria  
Workington  
Whitehaven  
Cleator Moor  
Silloth  
Workington  
Workington

Metal Furniture  
Gas Appliance  
Clothing  
Ladies Dresses  
Factory Trucks, Industrial Equipment  
Carpets  
Surgical Dressings  
Engineering  
Utility Furniture  
Worsted Suiting  
Perambulators  
Thermometers, etc.  
Cloths Protectors  
Electrical Appliances  
Motor Repairs, etc.

**PROPOSED EXTENSION TO EXISTING INDUSTRIES**

British Rayophane  
West Cumberland Silk Mills  
West Coast Chrome Tanning Co.  
Cumberland Cloth Co Ltd  
Myers & Bowman Ltd  
Marchon Products Ltd  
United Steel Companies Ltd

Wigton  
Whitehaven  
Millom  
Workington  
Disington  
Whitehaven  
Workington

Rayophane Paper  
Children's Dresses  
Glue and Gelatine  
Woolens, Worsted, Piece Goods  
Public Service Vehicles  
Chemicals  
Ingot Mould Foundry, Steel Foundry, Engineering.

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BLEAMOOR VIADUCT, SETTLE TO CARLISLE LINE.



