

Evidence to suggest where Emmerson, Murgatroyd and Co / Heaton Foundry was located and their involvement in the Anderton Boat Lift.

Emmerson, Murgatroyd and Co. fabricated and constructed the original 1875 Anderton Boat Lift. There is a plaque on the side of the boat lift (see document No.2) which confirms this. It is probable that the hydraulics were manufactured at their sister company in Liverpool. (see document No.4. - Morris & Co.'s Directory & Gazetteer of Cheshire, 1874)

The exact location of the Heaton Foundry was on Gordon Street and Lancashire Hill which was situated by the Stockport Basin of the Manchester and Stockport Canal (see documents No.1 and 6).

Attached are a number of documents to support this hypothesis.

List of documents:

1. Map showing the Heaton Foundry (National Library of Scotland – Maps)
2. Photograph of manufacturers plaque on the Anderton Boat lift
3. Photograph of an Emmerson and Murgatroyd invoice from 1869
4. Page from the Morris & Co.'s Directory & Gazetteer of Cheshire, 1874
- <https://specialcollections.le.ac.uk/digital/collection/p16445coll4/id/120639>
5. Murgatroyd document showing time line
- <https://www.middlewich-heritage.org.uk/wp-content/uploads/2022/08/Welcome-to-Murgatroyd.pdf>
6. Photographs showing the current site where the Heaton Foundry was located.
7. Daniel Adamson's association with the Heaton Foundry in 1850, (famous for championing the development of the Manchester Ship Canal)
- <https://collection.sciencemuseumgroup.org.uk/people/ap28433/adamson-daniel>



EMERSON & MURCATROYD.
Millwrights, Engineers.

BOILER MAKERS, BRASS & IRON FOUNDERS &c.
Heaton Foundry **STOCKPORT.**

ST. MANCHESTER.

LANCASHIRE HILL, HEATON NORRIS.

2186

Stockport Sept- 1869

To the Managing Committee
of the Stockport Sunday School

By *Edw. Emerson Murgatroyd*

1869 Sept 9	To One Cylindrical Steam Boiler 15ft 6 long 4" 0 dia ^t delivered at the School as per our Order of the 24 th Aug ^t 1869		52 0 0
Sept 9	By Old Boiler	55.0.00	3/6 2 6
"	" " Metal	2.2.00	3/4 7 6
"	" " Brass	2 3/4 07	1 7
			6 11 7 1/2
		Nett.	<u>£ 45 8 5</u>

October 27th 1869

Settled
for Emerson & Murgatroyd
James Heywood

- Emmerson Joshua, draughtsman, 103, Wellington road North, H. N.
- EMMERSON, MURGATROYD, AND COMPANY (Limited)**, millwrights, engineers, boiler makers, and brass and ironfounders, Heaton Foundry, Lancashire hill, H. N.; and Hydraulic Lift Works, Sefton street, Liverpool
- Emsley Robert, St. Matthew's National schoolmaster, Chatham street, E.
- English James, baker and shopkeeper, 125, Chester gate
- Entwistle James, coal dealer, 36, Moseley street, E.
- Entwistle Thomas, milk seller and shopkeeper, 53, Brinksway
- Eskrigge and Barr, cotton spinners, New-bridge mills
- Eskrigge John (firm of Kershaw, Leese, and Co.); h. Hollywood, E.
- Eskrigge William Linton (firm of Eskrigge and Barr); h. Spring mount, Brinksway
- Ethells Charles, carter, 6, Norris st, H. N.
- Evans Arthur Thomas Hazelrigge, solicitor, 12, Vernon street; and at Manchester
- Evans John (firm of J. Sergent and Co.); h. Green hill, E.
- Eyre George, stocking weaver, 24, King street West
- Eyres John, billposter and herbalist, 1, Churchgate
- Fairbottom Colliery Company, coal merchants and colliery proprietors, Wharf street, Lancashire hill, H.N.—Joseph Beason, agent
- Fairbrother Mrs. Mary, watch and clock-maker, jeweller, and silversmith, 38, Lower Hillgate; h. 10, High street
- Fairbrother Miss Sarah Ann, shopkeeper, 35, New Bridge lane
- Fairchild James, painter, gilder, and paperhanger, 64, Lower Hillgate
- FAIRCLOUGH RALPH**, painter, paperhanger, decorator, gilder, and dealer in iron bedsteads and all kinds of furniture, 81 and 83, Wellington road South. (*See advertisement*)
- Fallows John, candle wick spinner, Hope Carr mills, Waterloo road; h. 14, Carrington road
- Fallows John, tobacconist and confectioner, 2, Wellington road North, H. N.
- Fallows Samuel, assistant overseer for the townships of Brinnington and Reddish, and registrar of births and deaths for Stockport 2nd district, 123, Great Portwood street, P.
- Fallows Saml., carter, 55, Brook st West
- FANTON EDWARD**, machinist, St. Peter's Gate mill; and furniture broker, 16, Lord street
- Fantom John, plumber, glazier, and gas-fitter, 41, High street
- Farnsworth Joseph, Wesleyan schoolmaster, 134, Wellington road North, H. N.
- Farrar Henry, cashier, 7, Wood street, Cale green
- Farrell Robert, furrier, 16, Crowther street
- Farron James, commercial traveller, 14, Church terrace, H. N.
- Faulder Henry, grocer and fruit preserve manufacturer, 7 and 9, Lancashire bridge, H. N.
- Faulkner George, shopkeeper, 51, New Zealand road
- Faulkner Henry, shopkeeper, 297, New Bridge lane
- Faulkner John, shopkeeper, 113, Heaviley
- Faulkner Joseph, provision dealer, 46, King street West
- Faulkner Joseph W., printer, 232, Shaw heath
- Faulkner Miss Mary Ann, pork butcher, 21, Lower Hillgate
- Faulkner William, coal dealer, 113, Castle street, E.
- Fawley William, nailmaker, 53, Ridgway ln
- Fay Thomas, tobacco pipe maker, 22, Waterloo road
- Fearn Thomas (firm of Bell and Co.); h. 109, Hempshaw lane
- Felstead William, haircutter, 91, Higher Hillgate; h. 14, Waterloo road
- Ferguson John, master of Hanover Chapel School, Brinnington rise
- Fern John, farm bailiff to Samuel Ratcliffe Carrington, Esq., Cale Green farm
- Fernley Charles Henry, pawnbroker, 40, King street West
- Fernley and Co., cotton spinners and manufacturers, Higher Hillgate
- Fernley Joseph Samuel, boot and shoe manufacturer, 102, Chester gate
- Fernley and Oldham, boiler, gasometer, and girder makers, Hesketh street, H. N.
- Fernley Thomas, photographer and shopkeeper, 14, Park street
- Fernley Thomas and Sons, cotton spinners and manufacturers, Wear mills, Chester gate
- Ferns John Egerton, solicitor, 3, Rostron brow
- Fidler Benjamin, greengrocer, 4, Edward st
- Fidler Joseph, haircutter, newsagent, and tobacconist, 36, Middle Highgate
- Fidler Robert, railway clerk, 15, Woodbine crescent
- Fielding Charles, provision dealer, 2, Rooth street, H. N.
- Fielding Charles, shopkeeper, 159, Old road, H. N.
- Fielding Henry, shopkeeper and greengrocer, 33, Castle street, E.
- Fielding James, machine broker, 1, St. Matthew's terrace, E.
- Fielding John Henry, draper, 136, Love lane, H. N.
- Fielding Jonathan, assistant overseer for the township of Stockport, 84, Shaw heath

Welcome to Murgatroyd's Brine Works.



The last in situ brine pumps over an original hand-dug shaft left in the United Kingdom, as such this is a Scheduled Monument, a nationally important historic building.

George Lomas Murgatroyd (1850 – 1894)

George Lomas Murgatroyd was born on 11th July 1850. He belonged to a wealthy Stockport Family. His father Joshua Murgatroyd was founder of the engineering firm, Emerson, Murgatroyd & Co. George followed in his father's footsteps and became an engineer, in 1875, he was working on the famous Anderton Boat Lift. This may well have been his first encounter with the salt and chemical world.

George lived and worked during the Industrial revolution. This took place between 1750 - 1900, a period of profound change in Britain. There were huge technological advances which had an impact on every aspect of life. George aspired to make use of these advances by building a salt and chemical works.

The land here at Newton Farm was bought in 1889 and works soon began on sinking the brine shaft and construction of the salt works. In 1891 he expanded his business building an ammonia soda works creating Murgatroyd's Ammonia Soda and Salt Syndicate.

Unfortunately, in 1894 George died suddenly and therefore never saw the results of what he created and the impact he made on Middlewich. His find of rock salt and the brine stream changed Middlewich's fortunes, seeing many influential businesses set up here creating jobs and housing, and an expanding population.

1850 George Lomas Murgatroyd born on 11th July.

1858 Joshua Murgatroyd enters partnership with J.T. Emerson – Emerson, Murgatroyd Co Ltd, Millwrights and Iron founders, Heaton Foundry, Lancashire Hill Stockport. Connected with important engineering works in England and on continent.

1875 Emerson, Murgatroyd's, contractors to Weaver Navigation Trust for the construction of Anderton Boat Lift. Joshua Murgatroyd dies, George takes over his father's firm.

1876 George Lomas Murgatroyd marries Frances Hollingdrake, daughter of Henry Hollingdrake, Stockport ironmonger.

1889 Abel Grundy purchases Newton Farm and adjacent plots of land, obtaining most of the land between canal and railway and between Brooks Lane and Cledford Lane, Middlewich.

1889 Brine shaft sunk and salt works started during the latter part of the year. The first salt lump made on New Year's Eve.

1890 Formal transfer of Newton Farm estate from Abel Grundy to George Lomas Murgatroyd, 15th January.

1890 Private and confidential report dated 29th March 1890 from Ralph Oakes of Winsford to G.L. Murgatroyd, refers to the brine shaft. "This was the first discovery of rock salt beds under Middlewich." The brine standing in the shaft to a height of 230 ft is pumped from the top bed of rock salt and is fully saturated.

1891 30th July – Incorporation of Murgatroyd's Ammonia Soda and Salt Syndicate. Construction of railway sidings began in July. George came to live at Newton Farm at end of year. Construction of tower building and chimneys well under way by November.

1891 Murgatroyd's commission a brick making plant taking clay from the now canal basin and the site of the first lime sludge reservoir. The brick works operated under contract by Arthur Chamberlain.

1892 28th April – Agreement with Aman's Salt Co Ltd to supply brine by metered pipeline over the fence. Aman's had built the adjacent Brooks Lane Salt Works, but their brine shaft failed to discover brine. Aman's Works became Seddon's Brooks Lane Works.

1893 Ammonia soda works commissioned the first soda ash made 17th January. Construction of new laboratory and offices for foremen and plant manager.

1894 Plant for manufacture of pure sodium bicarbonate commissioned. Brunner Mond claim this infringes their patents.

1893 - 4 Brunner Mond drop market price for soda ash from about £7 per ton to £3/10s per ton.

1894 G.L. Murgatroyd dies from an overdose of belladonna – Coroner recorded open verdict – 26th November. Ivan Levinstein becomes director and chair of the Murgatroyd Syndicate.

1895 July – Private agreement between Ivan Levinstein and Ludwig Mond for Brunner Mond to purchase the Murgatroyd Ammonia Soda Works while Ivan Levinstein was to purchase the Murgatroyd Salt Works.

"A most remarkable find..."

6.

Corner of Gordon Street and Lancashire Hill, Stockport



7.

Daniel Adamson's association with the Heaton Foundry in 1850

Born in Shildon, County Durham in 1820, Daniel Adamson was educated at Edward Walton Quaker school. He left school aged 13 to take up an apprenticeship with Timothy Hackworth, engineer to the Stockton and Darlington Railway. After his apprenticeship, he continued to work under Hackworth as a draughtsman and engineer. By 1850, Adamson was the general manager of the Stockton and Darlington engine works. He left the Stockton works in 1850 to become the manager of the Heaton foundry, Stockport.

A year later, Adamson established his own ironworks at Newton Moor, Dukinfield. He expanded the works by building a foundry in 1852, known as the Newton Moor Iron Works. The company manufactured engines and boilers, initially to designs by Hackworth. Adamson's improvements to the boiler designs led to the development of the Manchester Boiler. Expansion of the company through the international success of the Manchester Boiler enabled Adamson to build a new factory in Dukinfield in 1872, under the company name Daniel Adamson & Co. The success of the company also allowed Adamson to experiment with foundry processes and boiler manufacturing, improving boiler design and manufacturing processes. Between 1852 and 1888, Adamson took out nineteen patents relating to engineering and metallurgy.

Extract from: <https://collection.sciencemuseumgroup.org.uk/people/ap28433/adamson-daniel>