

Links to Information on Copper Smelting

The following sites have information on copper smelting in the UK.



The Mining and Smelting of Copper in England and Wales, 1760-1820

Symons, John C. (2003) The Mining and Smelting of Copper in England and Wales, 1760-1820. Masters thesis, Coventry University in collaboration with University College Worcester.

<https://eprints.worc.ac.uk/293/> See [5. Ch 4](#)

In particular this has reference to Elton & Tyndale, who may have built the Troopers Hill chimney as part of their works.

“A short lived attempt at copper smelting was made by the firm of Issac Elton and Thomas Tyndall, and named Tyndall & Company, alias Elton & Company. Founded in the 1770s it was buying copper ore from Roe & Company of Macclesfield, but it never figured in the Cornish ore sales. The Macclesfield company's records would appear to indicate the firm specialised in the manufacture of japanned copper. It was possible it was located at one or both of the old Brass Company's sites at Conham and Crew's Hole. These had been vacated following the take over of the Warmley works. Tyndall & Company ceased trading sometime in the 1790s, bringing to an end the smelting of copper by Bristol based firms in the city and its environs.”



Northern Mine Research Society

<https://www.nmrs.org.uk/mines-map/smelt-mills/smelting-2/>



The photo shows Grassington Moor chimney & flue, which give a good impression of how we think the Troopers Hill Chimney flue may have looked.

Derbyshire Caving Club - Ore Processing in the 19th Century

This has a good description of the process of smelting copper ore in the 1840s, this is later than the smelting at Crews Hole but the process would have been similar.

“The description is taken from one of a series of pamphlets titled "THE USEFUL ARTS AND MANUFACTURES OF GREAT BRITAIN". In this pamphlet, the authors (the Committee of General Literature and Education of the Society for the Promotion of Christian Knowledge (SPCK)) describe copper processing around 1845.”

https://www.derbyscc.org.uk/alderley/mining_process_2.php

The Publications of Dr. D.G.Tucker

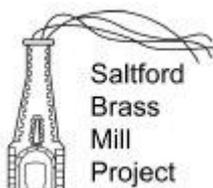
<https://www.outsideecho.com/DGT-BIO.htm>

Fumes, Flues, Condensers, and Chimneys in Lead Smelting

Bulletin of the Historical Metallurgy Group, Vol 6, No 2. p1/6, 1972.

The methods of condensing the fumes from lead smelting are discussed in relation to Percy's treatise of 1870, and the wide variety of arrangements used in practice is illustrated by examples from remains of English smelting mills. Questions are posed regarding the reasons for this variety.

Although primarily about flues used for lead smelting, this paper gives the Troopers Hill flue as an example of a flue used in copper smelting.



Salford Brass Mill

For a local context of copper production and its use in producing brass see

https://brassmill.com/salford_brass_mill_003.htm