

18th Century Material Culture Mines, Forges & Foundries



Mines



Lord Hopetoun's Lead Mines
Paul Sandby 1751
(Yale Center for British Art)

Iron Forges / Furnaces



P. Sandby del.

The Iron Forge between Dolgelli and Barmouth in Merioneth Shire.
Published according to Act of Parliament by P. Sandby & Co. George Row Sep^r 1776.

“The Iron Forge between Dolgelli and Barmouth in Merionethshire”
 by Paul Sandby 1776
 (Metropolitan Museum of Art)



“The Iron Forge between Dolgelli and Barmouth, Merioneth Shire”
by Paul Sandby c. 1776
(Metropolitan Museum of Art)



“Iron Forge on the River Kent, Westmorland”
by Paul Sandby
(Yale Center for British Art)

William Hawxburst,

STill carries
Iron works
best encourage-
ders, miners,
pounders, and
banks men and
finers of pigg,
bar; smiths and
carpenters, col-
ters, and com-
They will be
for their labour,
plied with pro-
upon the best.



on the Stirling
and gives the
ment for foun-
mine burners,
furnace fillers,
flock takers,
and drawers of
anchor smiths,
liers, woodcut-
mon labourers:
paid ready cash
and will be sup-
visions there,
terms.

N. B. Said Hawxburst continues to sell pigg, bar-iron, and anchors, which he makes of any weight under 1500; and as he has by him a considerable quantity of anchors, he would sell them by the ton, to retailers or exporters at a lower price than the importers from Europe, or the neighbouring Colonies: He has also cart, waggon, and chair tire; which he sells on the most reasonable terms, for cash, or Connecticut Proc. bills. He also pays ready cash for broken and cast by anchors.

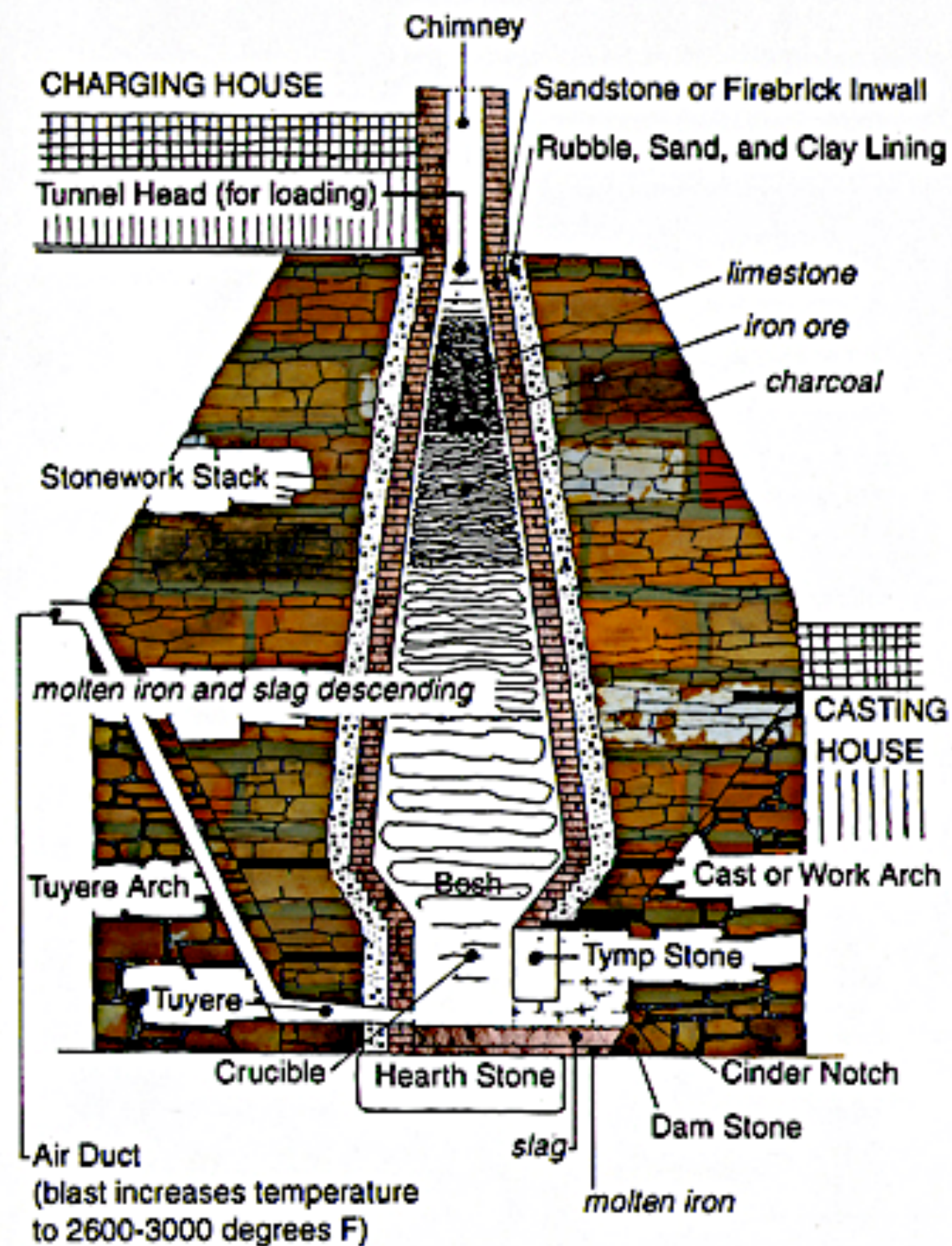


Fig. 2 Diagram of a cold-blast, charcoal-fueled iron furnace.

A Charcoal Fueled Cold Blast Furnace of the 18th Century
(WTF, Inc. Courtney Howell - ExplorePAHistory.com)



An Iron Forge
by Joseph Wright of Derby 1772



J. BOYDELL DEL.

R. EARLUM SCULPT.

An Iron Forge
by Richard Earlom after Joseph Wright of Derby. Published by John Boydell 1773
(The British Museum)



An Iron Forge Viewed from Without
by Joseph Wright of Derby 1773



Habit de Quincaillier

“Habit de Quincaillier” (Ironmonger)
by Gerard Balck after Nicolas de Larmessin II c. 1695 - 1720
(The British Museum)



The Oxford Furnace
Oxford Township, Warren County, New Jersey
Built 1741

Lead Processing In Leadhills



Lead Processing at Leadhills: Pounding the Ore
by David Allen c. 1780s
(National Galleries of Scotland)



Lead Processing at Leadhills: Washing the Ore
by David Allen c. 1780s
(National Galleries of Scotland)



Lead Processing at Leadhills: Smelting the Ore
by David Allen c. 1780s
(National Galleries of Scotland)



Lead Processing at Leadhills: Weighing the Lead Bars
by David Allen c. 1780s
(National Galleries of Scotland)

Bell Foundries



Whitechapel (London) Bell Foundry Sign
18th Century
(Photograph - Neal Hurst)

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Thank you!

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