E. Nott.

Refining Iron & Steel.

BEST AVAILABLE COPY

Se 2° 7,641 X.

(Vol 17 Restored Patents, p 189)

Patented Jun. 29, 1833.

Fig 4.

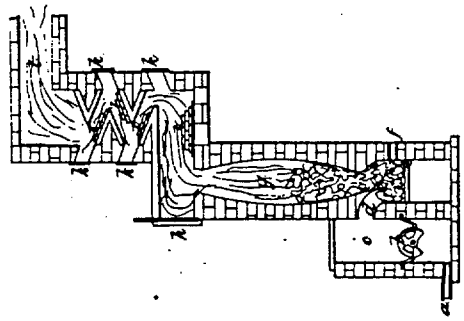


Fig 3.

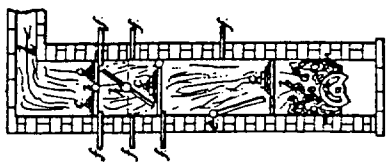


Fig 2.

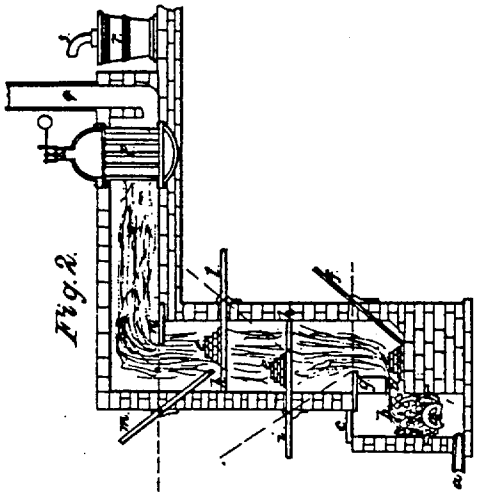
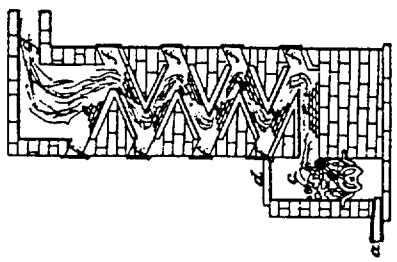


Fig 1.



7641X June 29. 1839 205.

Case "J"

Elipthalet Nott.

Letters Patent.

The Schedule referred to in these Letters Patent, & making part of the same, containing a description in the words of the said Elipthalet Nott himself of his improvement in the material combination and confinement in place of the damper & handle as employed in common stove pipe.

Case "No 7."

Specification of an improvement made in the material and for dampers and handles, & in the manner of combining the same in common stove pipes.— Whereas inconvenience has arisen from the employing & corroding of dampers & handles in common stove pipe, when made, the one of sheet & the other of wrought iron; therefore an improvement has been introduced & the same having been perfected & tested by repeated experiment is intended to be introduced into general use; which improvement consists in making use of cast iron for said purposes; & which (if the adjustment be wholly in the pipe itself) may be effected by employing a cast iron circular flat for a damper, the central zone or cup which at the extent of about one half of an inch in breadth is divided transversely into three parts in such manner, that the interior part is equal to the two exterior ones— by removing the wholly which parts from the plane of the residue of the flat by depressing the interior part & elevating the two exterior ones (or vice versa) in such manner & to such an extent that a space shall be left in the plane of the flat for the insertion of the handle in flat; which handle also to be of cast iron & to carry on the larger end a cruciform head or other projection for turning the same thereby on the shoulder end, a groove for receiving after insertion into the pipe, the edges of which being hammered down with a cold chisel

confine

7641 X

confine the same; but which, if the adjustment be partly in the rim of the open cover on which the pipe stands, & partly in the pipe itself may be effected by casting the damper & handle together & adjusting the same in said rim & setting the pipe thereon & surrounding the whole by a base moulding cast separately; sockets being previously formed in said rim for the underside of the journals of the handle to work in & the lower margin of the pipe & of the base moulding which set down over said handle being hollowed out for the upper side of the journals to work in. For further information, reference must be had to the drawings & explanations hereunto appended. Summary The improvement above contemplated consists in preventing the warping and corroding of dampers & handles in common stove pipe by making use of cast iron therefor, & in combining the same, if the adjustment be wholly in the pipe itself by inserting the handle in the space left by removing one portion of a central zone in the damper in one direction, & another portion in the opposite direction, & confining the same when in place by rimming the edge of the pipe after being pierced into the groove at the extremity of the handle piercing it. But if the adjustment be partly in the rim of the open cover on which the pipe rests, and partly in the pipe itself, then the improvement consists in casting the damper & handle entire, & in adjusting the same in said rim, & in setting the pipe thereon, & surrounding the same with a base moulding in manner aforesaid. I therefore claim as my invention & improvement the preventing of the warping & corroding of dampers & handles in common stove pipe by making use of cast iron in the construction of the same & when so constructed in combining & retaining the same in place in manner aforesaid — together with the uses to which the same has been or may hereafter be applied in stove pipe. —

Witnesses
G. F. Yates
D. Boyd

Ebenezer West

(Granted 29 June 1833.)

(Patents)