266-287. OR X7,642

E. Nott.

Gas Furnace.

Patented Jun. 29, 1833.

X 7642.

Fig. 2.

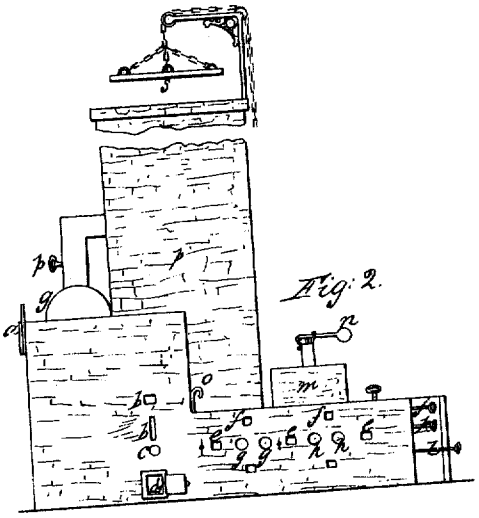


Fig. 3.

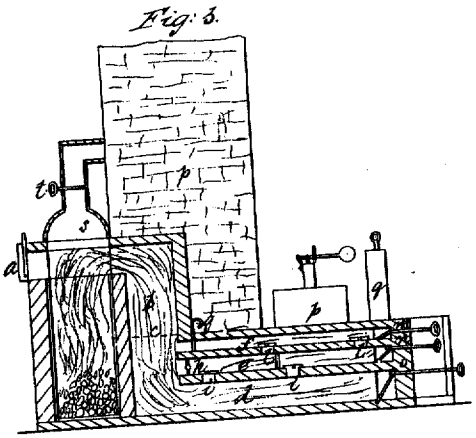


Fig. 1.

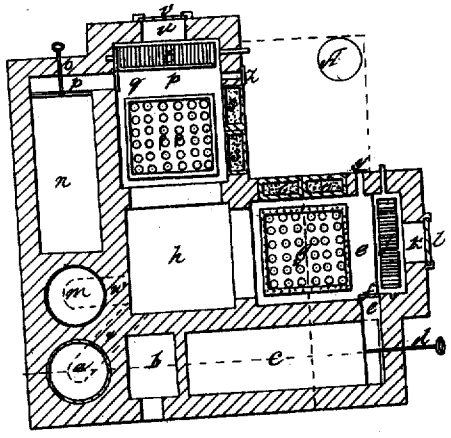
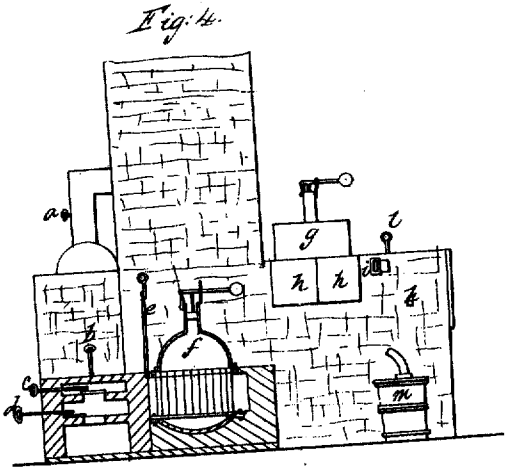


Fig. 4.



Case "8"

Elphalet Nott
Letters Patent.

The schedule referred to in these Letters Patent and making part of the same, containing a description in the words of the said Elphalet Nott himself of his improvement, in the construction, and adjustment of the brick forming the flue employed in confining combustion to the base of the fuel contained in anthracite coal stoves.

Case "8"

Specification of an improvement made in the construction and adjustment of the brick forming the flue employed in confining combustion to the base of the fuel contained in anthracite coal stoves.

Whereas, in such stoves, the front brick of the flue by which the outlet for flame, at the bottom of the chamber of combustion is formed, usually burns away sooner than any other brick; and whereas, in repairing the same inconvenience has arisen from the confinement of the ends thereof in the side walls of said chamber, Therefore an improvement has been introduced and the same having been tested and perfected by repeated experiments, is now intended to be introduced into general use— which improvement consists; In making use, in constructing the front of said flue, of brick, or slabs of other incombustible material which extend merely across the calibre of the chamber of combustion, in place of brick as hereto fore extending beyond, and entering the side walls, by which said calibre is formed— Also— In making use, in constructing the ends of said flue of right and left jamb brick, from the internal face of said brackets or studs, projecting at the proper place, and of the

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the proper form, and to the proper extent, for receiving, and sustaining in place the brick forming said front flue;— in such manner that the same shall make a good fit, and at the same time be removable at pleasure, without disturbing any other brick; which will be the more easily effected, if a rabbet in brick be also projected from the right and left jamb aforesaid, for the ends of the brick, (forming said front of flue) when in place to rest against. It is to be understood, however, that these rabbets may when preferred, be projected in iron from the side plates. For further information reference may be had to the drawing hereunto annexed.

Summary.

The improvement herein contemplated consists in providing for removing and restoring the front of the interior flue aforesaid, without disturbing the remainder of the brick or stone work;— By so shortening the brick of which said front is formed, that the same will freely enter the calibre of the chamber of combustion; and by projecting brackets or recesses from the right and left jamb brick of said flue, for the front brick thereof to stand on;— And also a rabbet for the ends of the same to rest against.— except when such rabbet is otherwise provided by a projection in iron from the side plates.

I therefore claim as my invention and improvement, the providing for removing and restoring the front of flue aforesaid by shortening the brick or other slabs of which the same is composed, so that they will freely enter the calibre of the chamber, and by projecting from the right and left jamb brick, the requisite rest or other feature for sustaining and confining the same in places aforesaid;— together with the uses to which said improvement has been or may be put to be applied in stoves or furnaces.

Witnesses
E. G. Eno
D. Boyd

Elisha Hall

(Specification)