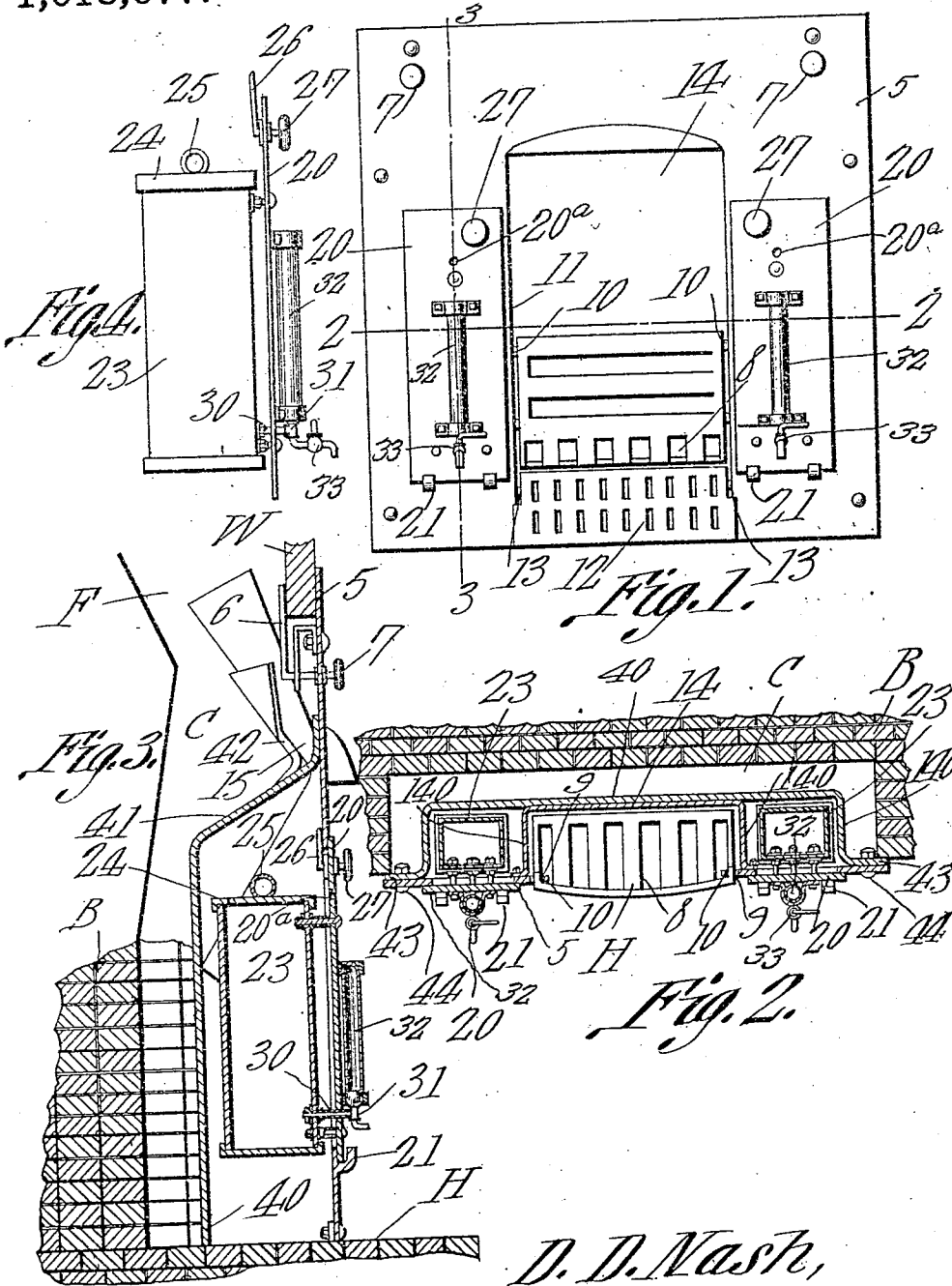


D. D. NASH.
FIREPLACE.

APPLICATION FILED APR. 12, 1911.

Patented Feb. 27, 1912.

1,018,677.



D. D. Nash,

Inventor

Witnesses

J. P. Tomlin
L. H. Wilcox

by

Chas. H. Snow & Co.
Attorneys

UNITED STATES PATENT OFFICE.

DURANT D. NASH, OF CONCORD, NORTH CAROLINA.

FIREPLACE.

1,018,677.

Specification of Letters Patent.

Patented Feb. 27, 1912.

Application filed April 12, 1911. Serial No. 620,655.

To all whom it may concern:

Be it known that I, DURANT D. NASH, a citizen of the United States, residing at Concord, in the county of Cabarrus and State of North Carolina, have invented a new and useful Fireplace, of which the following is a specification.

This invention relates to stoves and furnaces, and more especially to fire places; and the object of the same is to produce a portable fire place structure, itself having portable water-backs, and the whole capable of being set up in a chimney place in such manner that the products of combustion may pass up the chimney but the soot falling down the same will not get into the water nor into the room.

To this end the invention consists in the details of construction hereinafter described and claimed and as shown in the drawings wherein—

Figure 1 is a front elevation of this fire place complete, ready to set up in the chimney. Figs. 2 and 3 are sectional views on the lines 2—2 and 3—3 of Fig. 1, the brick work of the chimney being included in both instances, the latter view being on an enlarged scale. Fig. 4 is a side elevation in detail of one of the water-backs or tanks on an enlarged scale.

In the drawings the letter B designates the brick-work of a chimney, the latter having the usual flue F back of its front wall W, and the chimney C being of the open type and provided with a hearth H. Into the opening thereof I propose to insert my portable and removable fire place complete, and its details will now be described.

The numeral 5 designates a metallic plate which is of a size to take the place of the usual fire-board with which an open chimney is closed when the same is not to be used. In contour this plate conforms with the shape of the opening in the chimney, but in Fig. 1 I have shown it as rectangular and about square, and as the fire place proper occupies the center of this plate the latter may be called an arch.

The numerals 6 designate hooks whose shanks are journaled through the plate near its upper corners, and on the front ends of said shanks are knobs or handles 7 by means of which the hooks can be turned upward to engage the front wall W of the flue F so as to hold the plate in place.

The grate 8 is of any approved type (and

might in fact be replaced by gas logs without departing from my invention), and it is secured in the opening in the arch in any manner desired. As shown herein, hooks 9 at opposite sides of the grate 8 engage reversely disposed hooks 10 in the edges of the opening 11 in the arch so that the grate may be lifted out when desired. Below the grate is disposed a screen 12 for covering the ash pit, and the same may be held in the opening in the arch by means of inter-engaging hooks 13 of a similar construction to those just described. Back of the grate and behind the ash pit extends the lining 14 which is of sheet metal and forms the back of the fire pot (or extends behind the gas logs if they are used), and the top of this lining communicates as at 15 with the flue F to permit of the exit of smoke and the gases of combustion.

At either side of the opening 11 in the arch, the wall of the plate 5 is provided with an opening which is closed by a removable front 20 whose lower end when in place engages hooks 21 and whose upper end carries a hook shaped catch 26 turned by a knob 27 which projects forward of the front 20, the construction being much like the hook 6 and knob 7 which holds the plate 5 in place as above described. Bolted to the back of the front plate 20 as at 22 is an upright tank 23 having a removable cover 24 with a handle 25, and from a low point in the tank leads an outlet pipe 30 which passes through the front plate 20 and connects with a T-coupling 31 whose upper branch communicates with a water-gage 32 so as to indicate the level of the water within the tank and whose lower branch leads to a spigot 33 by means of which water can be drawn out of the tank. There are two of these front plates 20 each carrying its tank and fixtures, and they are disposed at opposite sides of the grate and separated from the fire only by the thickness of the side walls 140 of the lining 14, so that the heat from the fire is communicated through said side walls and to the tanks and the water therein is quickly warmed. In order to refill either tank when it becomes empty the knob 27 is turned to disengage the catch 26 from the arch 5, and the entire front 20 with its tank 23 is withdrawn, the cover taken off, water put into the tank, and the parts replaced.

Behind all of the parts above described

is disposed a back plate 40 which by preference is spaced from the bricks B at the back of the chimney opening and rises nearly to the top of the same, and thence projects forward as at 41, and then upward as at 42 to form a support for the outlet 15. At either side of the chimney opening, the edges 43 of this back plate are brought forward around the space occupied by the tanks 23, and bolted as at 44 to the arch 5. Hence when the latter is removed, the back plate comes away with it and the entire fire place can be taken out of the chimney opening.

All parts are of metal, excepting the glass gages 32, and the spigots and other fixtures may well be of brass or neatly ornamented and the remaining metal portions are preferably of sheet iron or casting.

The sizes of parts and details other than those that have been described are not essential to this invention.

The moisture given off by the water receptacles passes out into the room to moisten the air in the room through apertures 20^a provided in the plates 20.

What is claimed is:

1. In a removable fire place for chimney openings, the combination with a front plate having an arch and having openings there-through at either side of the arch opening, a grate detachably secured to the edges of the arch opening, and a lining behind the said grate having an outlet communicating

with the flue, of front plates detachably secured over the said openings in the arch, 35 a tank secured to the said plates and in rear thereof, an outlet pipe leading from each of the tanks through the corresponding plate and a spigot on the outer end of each of the said pipes.

2. In a removable fire place for chimney openings, the combination with a front plate forming an arch and having openings in it at either side of the arch-opening, a grate within the latter, a front plate closing each 40 of said side openings, and a tank carried by and in rear of each of said front plates; of a lining plate extending upward behind the grate and directed thence into the flue to form an outlet, its edges passing around the 50 ends of the grate and being connected with said arch-plate between the central opening and the side openings therein, and a back plate behind all said parts, its upper end being carried forward and thence upward 55 to support said outlet and its side edges being continued around said tanks and thence forward and connected with the outer edges of said arch-plate.

In testimony that I claim the foregoing 60 as my own, I have hereto affixed my signature in the presence of two witnesses.

DURANT D. NASH.

Witnesses:

L. A. TALBIRT,
A. E. FURR.