April 9, 1929. C. C. HALL 1,708,790

FIREPLACE FORM

Filed Nov. 23, 1927

Fig. 1.

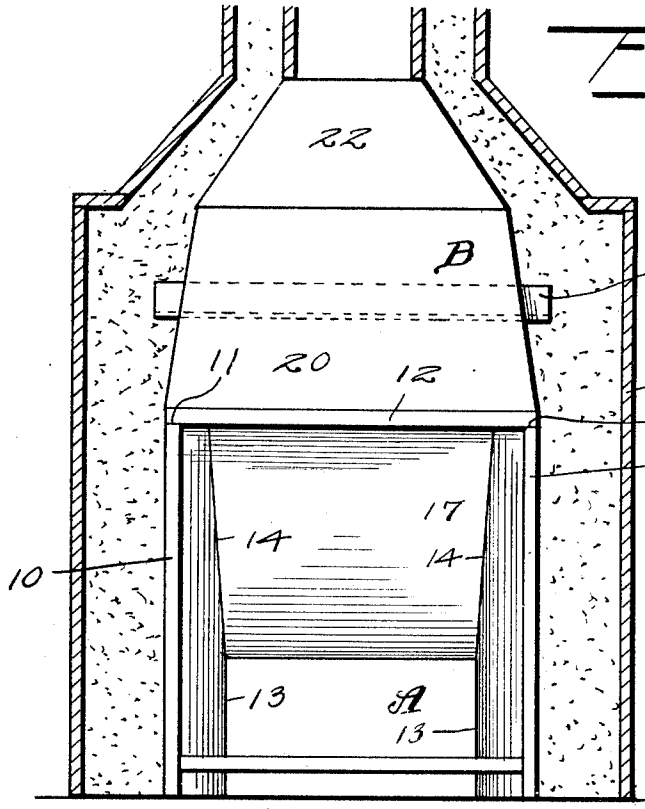
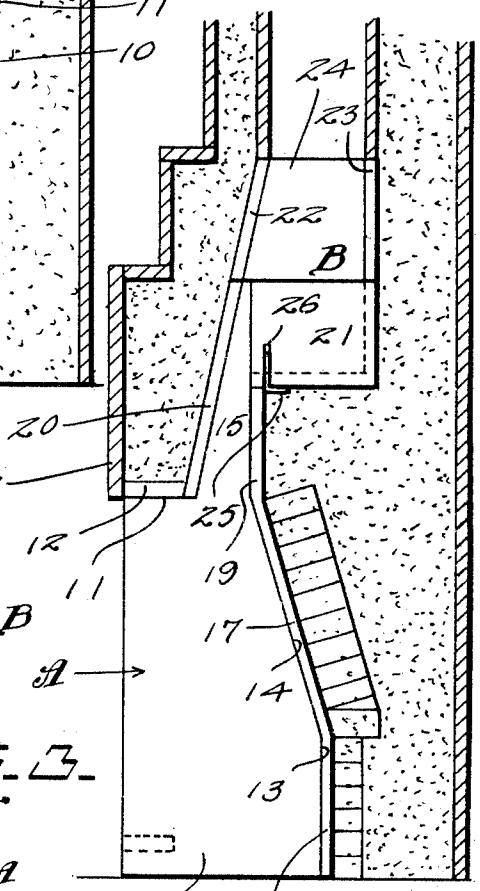


Fig. 2.



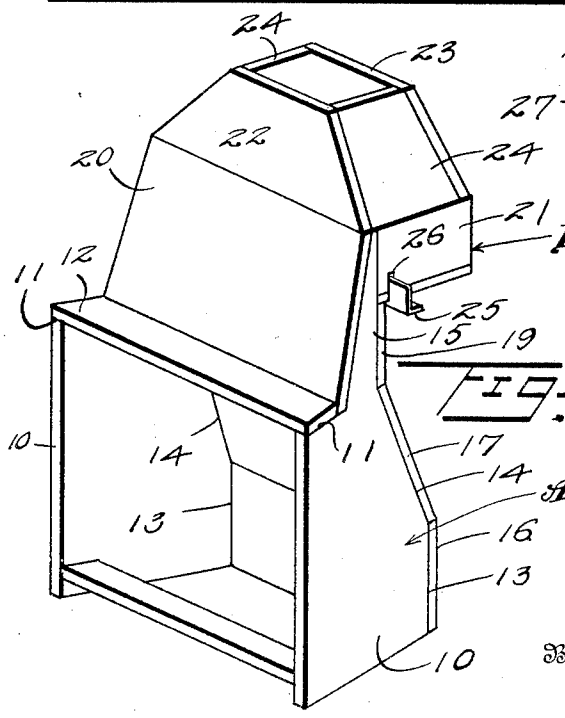


Fig. 3.

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UNITED STATES PATENT OFFICE.

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FIREPLACE FORM.

Application filed November 23, 1927. Serial No. 235,366.

This invention relates to new and useful improvements in fireplaces, and particularly to forms for molding or forming the same.

One object is to provide an inside form of such construction that the resultant fireplace will give proper results, eliminate smoke, and insure a perfect draft.

Another object is to provide a form of this character which will reduce the cost of building fireplaces.

Another object is to provide a form of this character which is adapted for use with molded plastic material, brick, stone, or other materials.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawings.

In the drawings:

Figure 1 is a front elevation of the inside form, in position within the fireplace, such fireplace being shown in section.

Figure 2 is a side elevation of the form, the fireplace being in section.

Figure 3 is a perspective view of the form removed from the fireplace.

Referring particularly to the accompanying drawing, the form comprises a lower section A, and an upper section B, the former being of greater dimensions than the latter, and being adapted to form the fireplace opening, and arch over the fireplace opening. The portion A includes the side members 10, each having a vertical front edge, with a step or ledge 11, the said step supporting the plate or board 12, which forms the arch of the fireplace. The rear edge of the side member 10 has a vertical portion 13, and the upwardly and inwardly inclined portion 14, an upwardly tapering portion 15 rising from the level of the arch ledge 11, and the upper end of the inclined portion 14. It will be noted that the side members 10 are disposed in rearwardly converging relation, and connected to said members, and extending across the vertical portions 13, is a plate or board 16, while a plate or board 17 rests on the inclined edges 14, and is secured thereto. Secured to and extending between the rear edges of the upwardly tapering portions 15, is a plate 19, while a plate 20 is secured to and extends between the front edges of said tapering portions. The combination of the tapering portions 15, and the front and rear plates 20 and 19, produce a form around which is built the throat of the flue of the fireplace. Extending rearwardly from the upper portion of the tapering members 15, is a transversely arranged box 21, and extending upwardly in parallel relation to each other, from the upper end of the box, are the front and rear plates 22 and 23, said plates having their ends upwardly inclined for attachment of the upwardly and inwardly inclined side plates 24, said box, and the plates 20, 22, and 23, producing a form around which is built the smoke chamber of the flue. Extending transversely of the bottom of the box 21, in close proximity to the plate 10, is an angle iron 25, one flange of which is disposed upwardly through the bottom of the box, and within notches or kerfs 26, formed in the ends of the box. The horizontal flange of the angle iron lies directly beneath and in contact with the lower face of the bottom of the box. This angle iron remains embedded in the molded fireplace, and forms the forward wall of the ledge of the smoke chamber. The outside form, shown at 27, is properly spaced from the inside form, so that the material can be poured into the space between such forms, to produce the finished fireplace.

What is claimed is:

An inside form for building a fireplace comprising a fireplace recess forming portion having rearwardly converging side walls and an upwardly and forwardly inclined rear wall, a transverse upwardly extending flue throat forming portion having a perpendicular rear wall and an upwardly and rearwardly inclined front wall, and a smoke box and soot ledge forming portion extending rearwardly from the said throat portion, said box portion being notched and carrying the front wall of the soot ledge therein, which ledge is adapted to remain in the molded fireplace to separate said ledge and throat.

In testimony whereof, I affix my signature.

CHARLES C. HALL.