June 29, 1937. W. H. FRANKLAND 2,085,646

ATTACHMENT FOR FIREPLACES

Filed Sept. 2, 1936

Fig. 1.

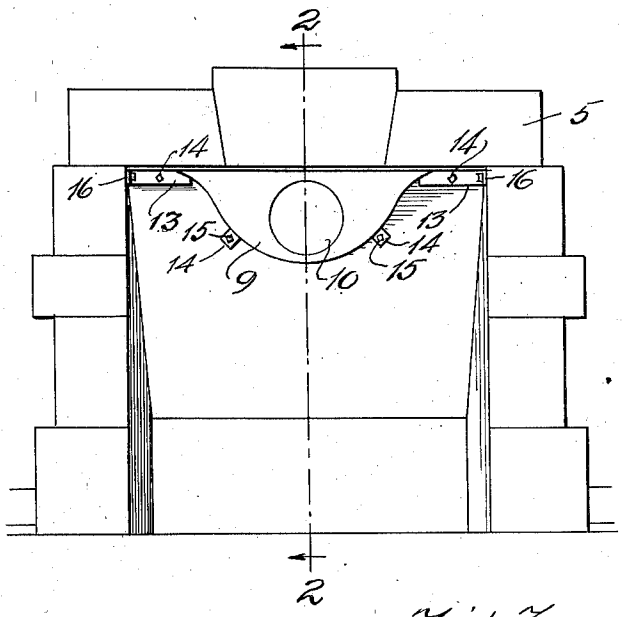


Fig. 2.

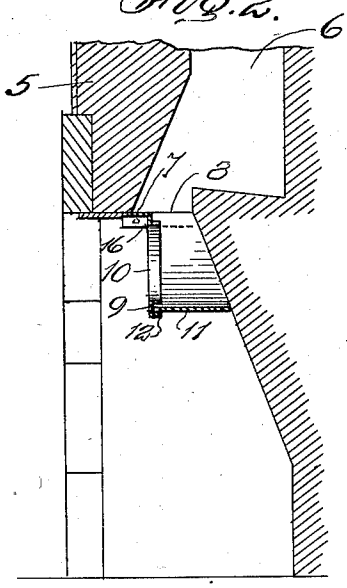


Fig. 3.

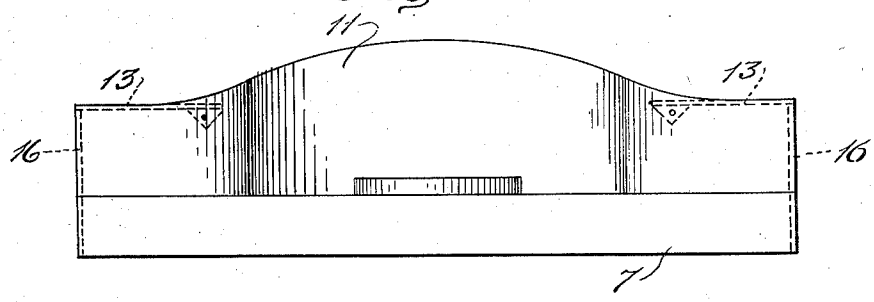
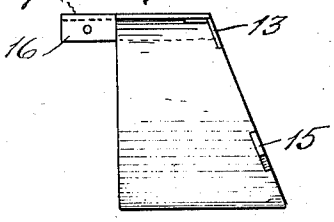


Fig. 4.



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ATTACHMENT FOR FIREPLACES

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Application September 2, 1936, Serial No. 99,127

3 Claims. (Cl. 126—314)

This invention relates to an attachment for fireplaces, whereby the said fireplace may be employed in connection with stoves having pipes, in order that the draft from the stove may be conveyed to the ordinary chimney of said fireplace.

An object of the invention is to provide a unit which will render it possible to install fuel oil, coal, or wood stoves in association with the ordinary fireplace draft openings to a chimney.

It is an object furthermore of the invention to seal or close entirely the chimney opening of the fireplace and to provide communication between the stove and the chimney of the fireplace through the installation of a removably applied attachment which can be expeditiously fitted to fireplaces of different dimensions or sizes.

With the foregoing and other objects in view, the invention consists in the details of construction, and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawing forming part of this application, wherein like characters denote corresponding parts in the several views, and in which—

Figure 1 illustrates a front elevation of a fireplace with a device embodying the invention applied thereto;

Figure 2 illustrates a sectional view on the line 2—2 of Fig. 1;

Figure 3 illustrates a plan view of the attachment; and

Figure 4 illustrates an end view.

In the drawing 5 denotes an ordinary fireplace, with the chimney connection 6 communicating with it. At the top of the fireplace where it merges with the chimney, a device embodying the invention is installed and, in the present embodiment of the invention, it consists of a horizontally disposed top plate 7 having a space 8 at the rear, which communicates with the chimney. The top plate is associated with a breast plate 9 having a stove pipe opening 10 therein and a curved bottom plate 11 has its outer edge secured to the breast plate by an ordinary lapped joint 12, or other mechanical fastening. The top plate, the bottom plate and breast are appropriately attached together, and the said top plate has at its rear edge a depending flange 13 which is secured to the wall of the fireplace by fastenings 14, such as expansion screws or bolts. The rear edge of the bottom plate has ears or lugs 15 which are likewise anchored to the masonry of the fireplace by fastenings 14. The top plate may have its ends turned down to form flanges 16 that are secured to the masonry of the fireplace by fastenings such as have been described.

In making the unit or attachment to be installed in fireplaces, the top plate can be made large enough so that the attachment can be installed in fireplaces of different dimensions, for it would only be necessary to cut the top plate to the required length and shape the flanges 16 so that the said flanges 16 and the flange 13 can be attached to the masonry of the fireplace.

It is obvious from an inspection of Figure 2 that if a stove pipe were installed in the opening 10, it would discharge into the chamber above the bottom plate 11 and the draft of the chimney would cause circulation of the products of combustion from the stove pipe so that they would escape through the chimney.

An installation embodying the invention has many advantages aside from those stated in the objects of the invention, for by its use the danger occasioned by the employment of ordinary fireplace fronts is eliminated as it seals only the upper part of the fireplace and does not provide a closed space therebelow where dangerous gases may accumulate as they sometimes do when the opening of the fireplace is sealed from the front.

Furthermore, this invention has the advantage of materially accelerating the draft, as compared with that developed with ordinary fireplace fronts and when properly applied, a perfect seal may be produced even though there are irregularities in the brickwork or masonry of the fireplace, as it has been found that with the use of asbestos compounds or other sealing agencies which can be applied through the stove pipe opening, the joint between the attachment and the fireplace may be closed.

The attachment is neat in appearance, since it is practically hidden from view at the top of the fireplace opening and it is not necessary to remove the unit when the stove is disconnected.

Furthermore, by this invention, heat from the stove pipe in its passage to the chimney heats the front or breast plate and the bottom plate, and such heat radiating therefrom into the room containing the fireplace results in an economical heating of the room containing the stove for, as stated, the fireplace opening to the chimney is entirely sealed by the unit.

It is obvious from the foregoing that the parts of the attachment for fireplaces can be manufactured by the well-known stamping processes, and that the said fireplace attachment, except for

the bottom plate, can be formed from one piece of metal similar to the processes employed in stamping automobile fenders or the like.

I claim:

1. In an attachment for fireplaces, a horizontally disposed front plate having end flanges adapted for attachment to the masonry of a fireplace, a breast plate depending from the horizontal plate at the rear thereof and a bottom plate at the lower edge of the breast plate extending rearwardly to the rear wall of the fireplace, said breast plate having a stove pipe hole, and means for securing the bottom plate to the masonry of the fireplace.

2. In an attachment for fireplaces, a horizontally disposed plate adapted to be attached at the top of a fireplace where the fireplace and chimney flue merge, a front breast plate depending from the rear edge thereof and having a stove pipe hole, a bottom plate having its outer edge secured to the breast plate and its inner edge abutting the rear wall of the fireplace, and means for securing the bottom plate to the masonry of the fireplace.

3. In an attachment for fireplaces, a top plate having end flanges extending inwardly for engaging the rear wall of a fireplace, means for anchoring said flanges to the masonry of the fireplace, a breast plate carried by the top plate having a stove pipe hole, a bottom plate secured at its outer edge to the breast plate, anchoring lugs on the said bottom plate, and mechanical fastenings for securing said lugs to the masonry of the fireplace.

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