June 17, 1930. A. E. ANDERSON 1,764,595

METALLIC SHIELD FOR STOVES

Filed Jan. 9, 1928

Fig. 1

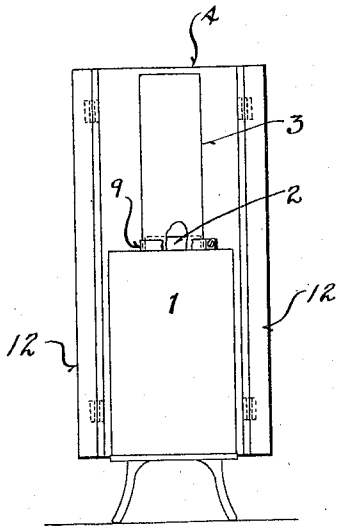


Fig. 2

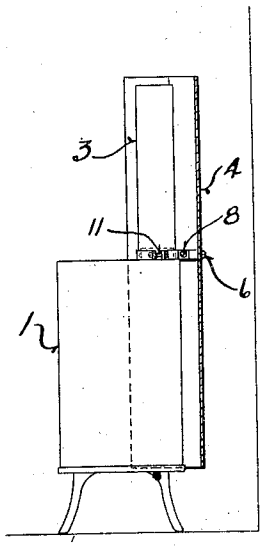
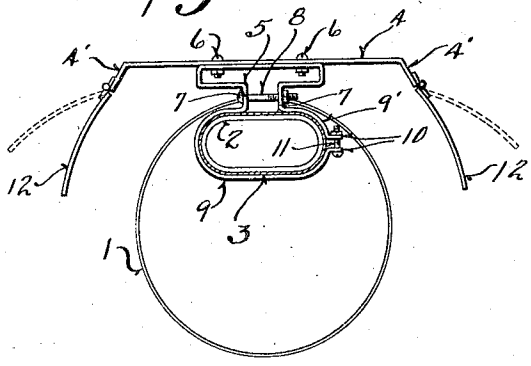


Fig. 3



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By [illegible]

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UNITED STATES PATENT OFFICE

ALBERT E. ANDERSON, OF MILWAUKEE, WISCONSIN

METALLIC SHIELD FOR STOVES

Application filed January 9, 1928. Serial No. 245,498.

My invention refers to shields for stoves, and it has for its object to provide a simple, economical and effective shield which can be detachably anchored to the stove, whereby heat therefrom is deflected from a juxtaposed wall, the shield and stove being so associated that said stove can be adjusted back and forth with relation to the wall, while at the same time the wall and floor can be readily cleaned, due to the fact that said shield is not in engagement with either the floor or said wall.

With the above objects in view, the invention consists in certain peculiarities of construction and combination of parts, as will be fully set forth with reference to the accompanying drawings and subsequently claimed.

In the drawings:—

Figure 1 represents a front elevation of a standard stove having attached thereto a shield embodying the features of my invention.

Figure 2 is a side elevation of the same, showing the shield in longitudinal section to more clearly illustrate structural features, and

Figure 3 is a plan view of the same showing the stove pipe in section and illustrating the method of attaching the shield to said stove.

Referring by characters to the drawings, in this exemplification of the invention, 1 represents a stove having a pipe collar 2 extending therefrom adapted to receive the standard first section of a stove pipe 3. 4 represents a vertically disposed metallic shield or panel having secured thereto intermediate of its ends a yieldable clip 5. The base of the clip is secured to the panel by bolts 6 and said clip is formed with neck portions 7 which are connected by a draw bolt 8. The spring jaws 9—9′ of the clip are slightly spaced apart at their ends and terminate with apertured ears 10, which ears are clamped by a bolt 11.

Thus, it will be seen, with this arrangement the shield can be quickly and readily attached to the stove by said clip, it being understood that the first section of the stove pipe 3 is slipped over the collar 2, and thereafter the clip is fitted about the collar and end of the stove pipe to firmly grip these parts together, whereby said clip not only serves to anchor the shield in its adjusted position with relation to the stove, but it also serves to firmly lock the lower section of the stove pipe to the stove collar 2. Hence, the stove and shield so assembled form a unit which can be adjusted with relation to the walls and floor of the room to suit the convenience of the user.

It will be particularly observed that the shield is under all conditions spaced from the wall a predetermined distance, whereby an air space between said wall and shield is produced to thus effectively prevent the heat, radiating from the stove, blistering or otherwise marring the wall. Furthermore, the shield is also spaced from the body of the stove so as to form an air channel whereby intense heat from said stove body will not penetrate the shield.

Referring more particularly to Figures 1 and 3 of the drawings, it will be observed that in this particular exemplification of the invention, I have provided a pair of vertically disposed wings 12 which are hingedly connected to flanges 4′ of the panel. As best indicated in Figure 3 of the drawings, these wings may be adjusted in or out upon their hinges to conform to the body of the stove, and will serve to more effectually encompass the same, whereby heat radiating therefrom will be deflected forwardly and not backwardly against the juxtaposed walls or corners of a room.

While I have shown and described the invention as being attached to a standard drum stove, obviously any type of heating unit may be utilized for attaching the shield.

While I have described one specific means of carrying out my invention, it is obvious that I may vary the details of the invention within the spirit of the same, as outlined in the claim, it being understood that in some instances the adjustable wings may be dispensed with. Furthermore, it will be observed that owing to the knock-down, collapsible feature of the shield, it can be con-

veniently packed for shipment. For example, the clipped bolts 6 may be removed, whereby said clips may be laid flat in shipping the shields in quantities.

I claim:—

The combination of a stove having a pipe collar, a pipe fitting over said collar, a shield partially surrounding and spaced from said stove and pipe, and a supporting clip rigid with said shield and surrounding and clamping said pipe at said collar, whereby crushing of said pipe is prevented and said pipe is held tightly clamped to said collar.

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee, in the county of Milwaukee and State of Wisconsin.

ALBERT E. ANDERSON.