Sept. 26, 1933. P. E. BOLDT 1,928,165

COMBINED FIREPLACE THROAT AND DAMPER

Original Filed Sept. 15, 1931

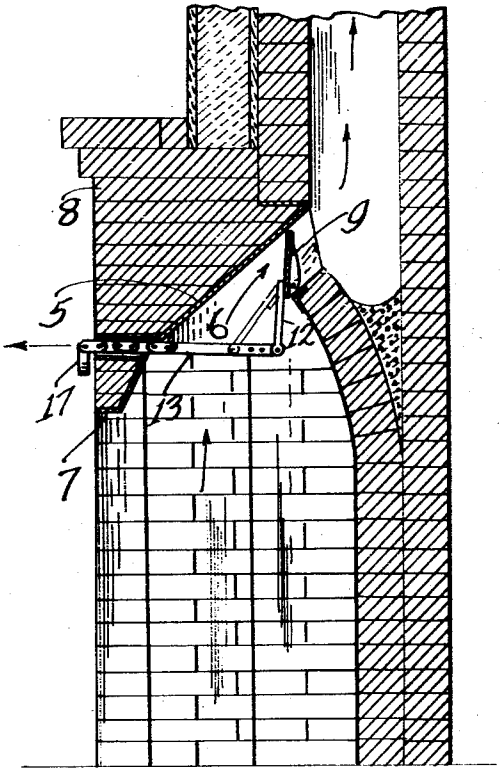


FIG. 1.

FIG. 2.

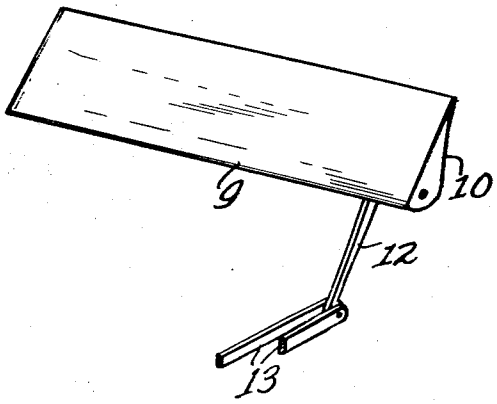


FIG. 4.

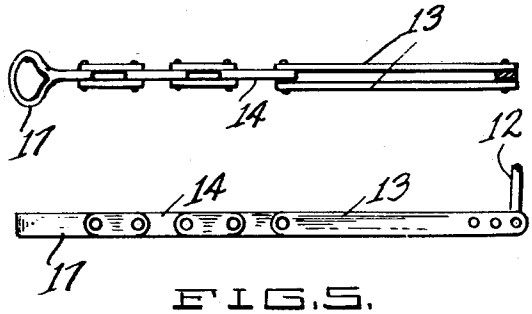


FIG. 5.

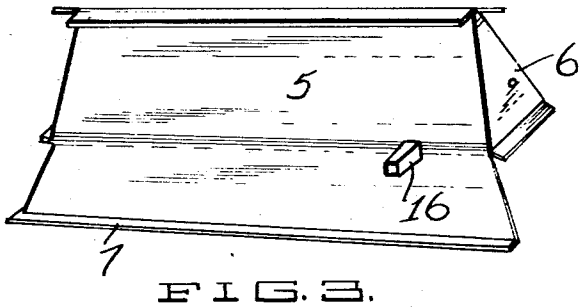
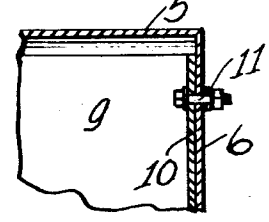


FIG. 3.

FIG. 6.



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COMBINED FIREPLACE THROAT AND DAMPER

Paul E. Boldt, Palo Alto, Calif.

Application September 15, 1931, Serial No. 562,985. Renewed August 15, 1933

1 Claim. (Cl. 126—288)

This invention relates to improvements in fireplaces and has particular reference to a combined fireplace throat and damper.

The principal object of this invention is to produce a device of this character which is constructed of a blank, and so arranged that it may be employed in connection with the average fireplace.

A further object is to produce a device which is economical to manufacture.

A further object is to produce a device wherein the damper may be regulated so as to control the amount of draft.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a vertical cross-section of a fireplace having my device positioned therein,

Figure 2 is a perspective view of the damper,

Figure 3 is a perspective view of the hood in which the damper is positioned,

Figure 4 is a top plan view of the damper actuating mechanism,

Figure 5 is a side elevation of Figure 4, and

Figure 6 is a fragmentary detail view showing the manner in which the damper is pivoted to the hood.

The ordinary fireplace permits the smoke to pass up the chimney at will, and provides no means whereby the draft up the chimney may be controlled. Applicant has provided means whereby this draft may be controlled, and has further provided a means for preventing heat from passing up the chimney from the room when the fireplace is out of use.

It is common in many apartments and houses to only occasionally use the fireplace, the customary heat being provided by means of registers or radiators, and it is therefore advantageous to retain this heat in the room.

Referring to the drawing in detail, it will be noted that my device is entirely concealed from the front of the fire place, and consists of a blank 5, which has turned-down side pieces 6 and a turned out lintel 7 which supports the bricks 8, forming the upper portion of the fire place, and particularly that portion adjacent the throat thereof. The side pieces 6 serve to support a pivoted damper 9, which damper has down-turned side pieces 10 thru which the pivot bolts 11 pass. This damper has a downwardly extending arm 12, to which are pivotally secured actuating bars 13, to which is pivotally secured a chain element having a plurality of links capable of being bent in a single plane. This chain extends thru a guide 16 secured to the blank 5 and having its forward end flush with the face of the fireplace brick 8. A handle 17 is secured to the chain element so as to extend beyond the face of the fire place brick, as best illustrated in Fig. 1, where it may be grasped and moved outwardly or inwardly, to open or close the damper any given amount. It will here be noted, that thru the use of this particular type of chain, which can only be pivoted in one plane, that when the chain is pulled out, one or more links, each link, when hanging downwardly, will prevent the remaining links from pulling rearward movement, thus eliminating the need of any fastening element for adjustably holding the damper.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same, and that various changes relative to the material, size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, I claim:—

In a device of the character described, the combination with a fire place having a throat, of a plate positioned in said fire place and adjacent said throat, said plate having down-turned side portions, a damper pivoted between said side portions, and when in a vertical position, being adapted to close said throat and remote means for actuating said damper, said remote means including an arm secured to said damper and a laterally rigid chain connected to said arm, said chain being capable of movement in one plane only, and extending to a point outside of said fireplace.

PAUL E. BOLDT.