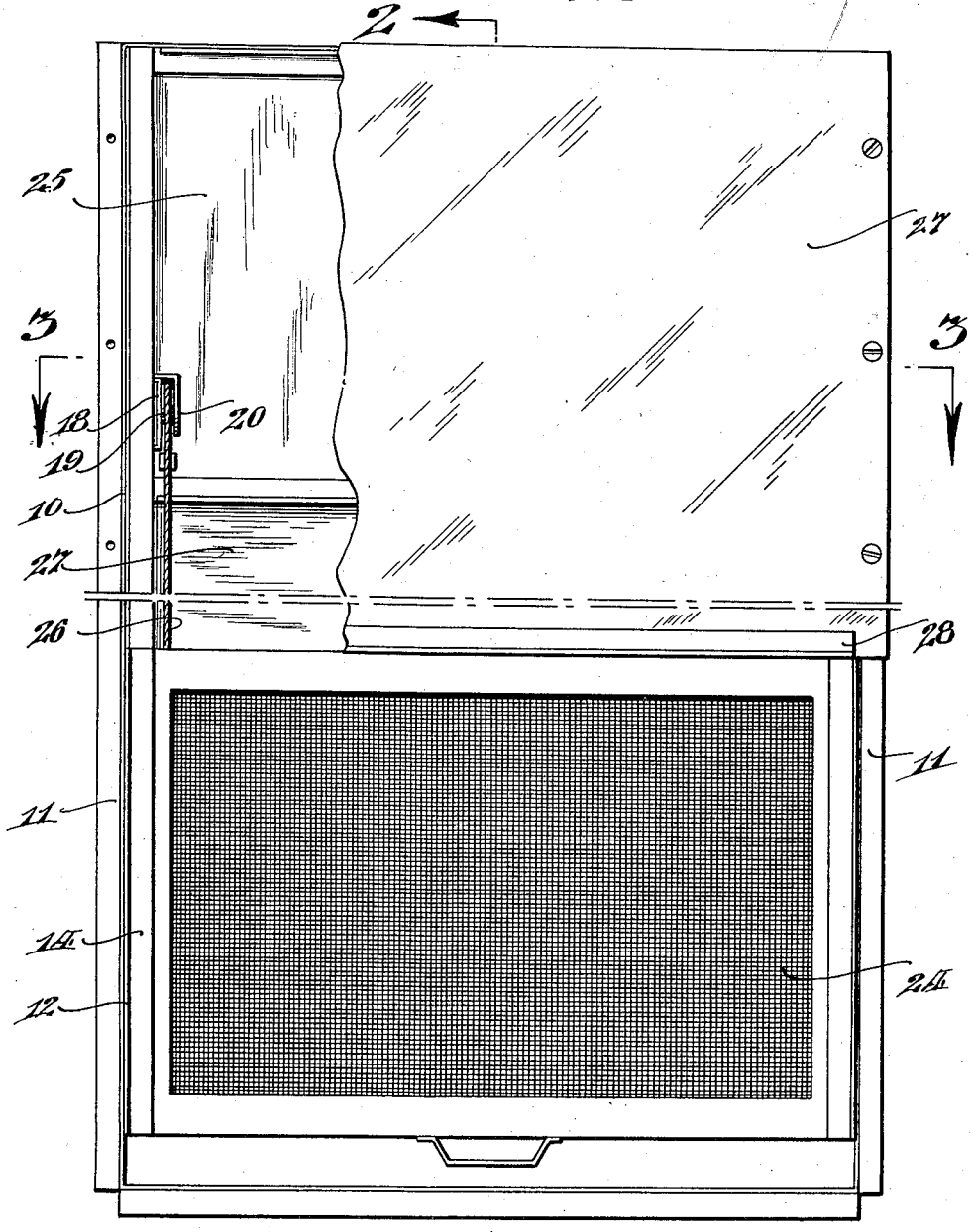
July 10, 1928. 1,676,893

L. F. EISELE

FIREPLACE ATTACHMENT

Filed June 28, 1927 3 Sheets-Sheet 1

FIG. 1.



WITNESSES:

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FIREPLACE ATTACHMENT

Filed June 28, 1927 3 Sheets-Sheet 2

FIG. 2.

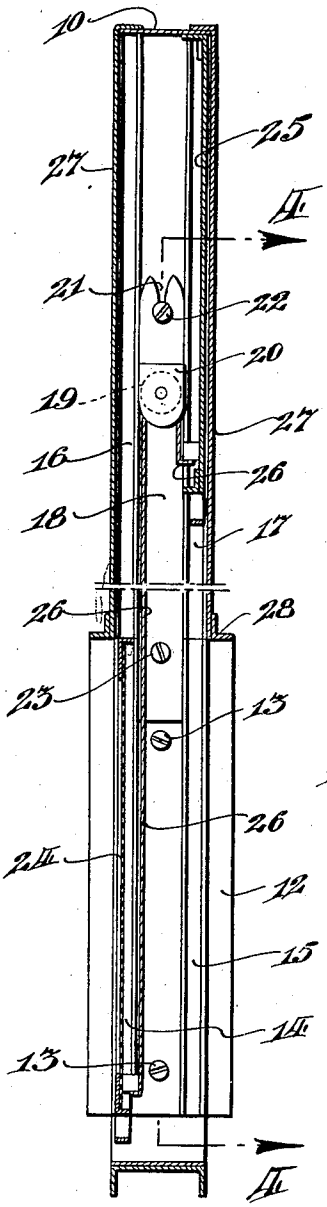


FIG. 5.

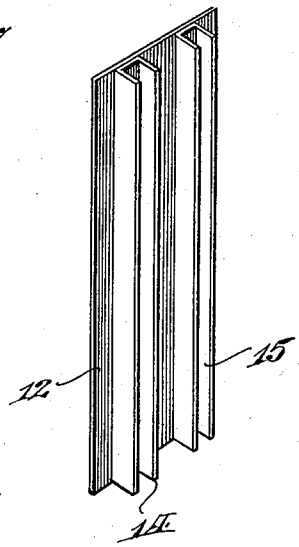
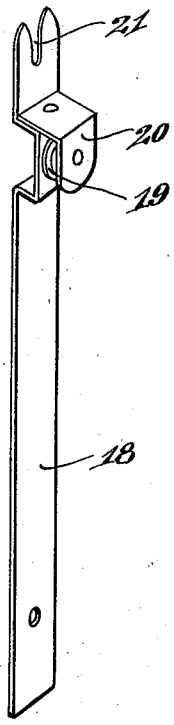


FIG. 6.



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FIREPLACE ATTACHMENT

Filed June 28, 1927 3 Sheets-Sheet 3

FIG. 3.

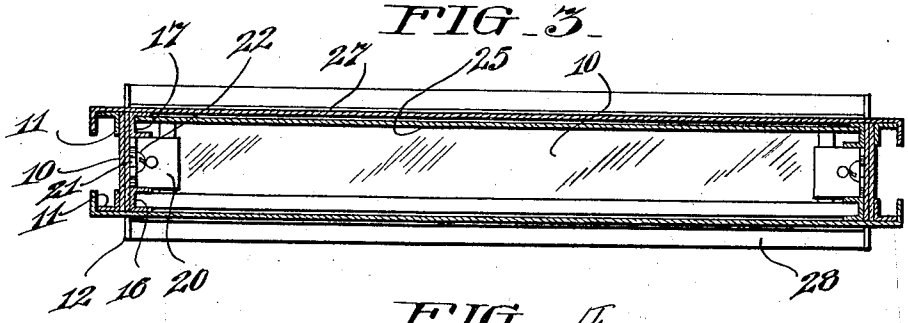
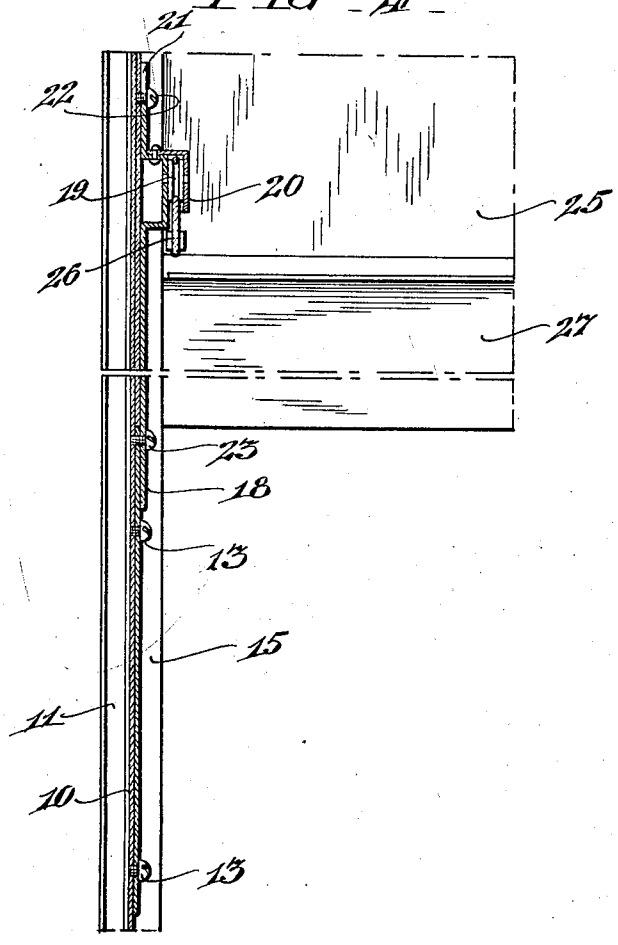


FIG. 4.



WITNESSES:

Alfred E. Ischinger

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Patented July 10, 1928. 1,676,893

UNITED STATES PATENT OFFICE.

LOUIS F. EISELE, OF PHILADELPHIA, PENNSYLVANIA.

FIREPLACE ATTACHMENT.

Application filed June 28, 1927. Serial No. 202,028.

My invention relates to attachments for fire places, and has for its object to provide an attachment having a screen and a blower, both of which are removable when the attachment is installed in a fireplace.

Another object of my invention is to so design the attachment that it will be inconspicuous when installed in a fire place and its parts so arranged that the screen and blower may be removed from the frame of the attachment with a minimum of labor.

These objects, and other advantageous ends which will appear hereinafter, I attain in the following manner, reference being had to the accompanying drawings in which

Figure 1 is a front elevation, partly broken away, of a preferred embodiment of my invention,

Figure 2 a vertical sectional view taken on line 2—2 on Figure 1,

Figure 3 a sectional plan view taken on line 3—3 on Figure 1,

Figure 4 a fragmentary sectional view taken on line 4—4 on Figure 2,

Figure 5 a perspective view of a guide plate, forming a part of my invention, and

Figure 6 an enlarged perspective view of a pulley support, forming a part of my invention.

Referring now more in detail to the drawings, the attachment may be provided with any suitable type of frame but has been shown as having a frame 10 on the outer edges of which outstanding flanges 11 are formed. A plate 12 is removably secured to the lower part of each side of frame 10 in any suitable manner, as by screws 13, and has guideway sections 14 and 15 fixed on one of its faces. Guideway sections 16 and 17 are fixed to the upper part of each side of frame 10 and align with guideway sections 14 and 15 respectively; the ends of the sections preferably abutting one another so as to form a smooth channel on the inside of each guideway.

A pulley support 18 has a pulley 19 rotatably mounted in a bracket bearing 20 formed near its upper end and is provided with a notch 21 adapted to engage the sides of a screw 22 threaded into the upper part of each side of frame 10. While a screw 22 has been shown, it will be readily understood that a rivet, or other connector having its head spaced from the side of frame 10, may be employed in lieu thereof and, while the lower end of each pulley support 18 has been shown as being attached to frame 10 by a screw 23, it is evident that other means may be employed.

A screen 24 is slidably mounted in guideways 14 and 16 and an imperforate screen or blower 25 is slidably mounted in guideways 15 and 17. A flexible support 26, such as a small chain or wire cable, passes over each pulley 19 and has its ends secured near the lower corners of screen 24 and blower 25 which are of nearly the same weight so that they may counterbalance one another. A cover plate 27 is secured to the front and rear of the upper part of frame 10 with its lower edge aligned substantially with the bottom ends of guides 16 and 17. Reinforcing angles 28, having their backs flush with the lower edges of cover plates 27, extend across the front and rear of frame 10 and are suitably secured to both flanges 11 and cover plate 27 so as to stiffen the frame at this point as well as to provide a support for tiling, plaster or masonry when the attachment is installed in the front of a fire place.

In installing my improved attachment in a fire place, frame 10 is set in the masonry so that the inner edges of the guideways come flush with the faces of the side walls and with the front of the attachment set into the masonry sufficiently to allow for setting the tile or other material that may be employed in facing the fire place.

When it is desired to start a fire, or to greatly increase the draft upon a fire in the fire place grate, blower 25 is pulled downwardly by inserting a poker or other tool in a handle or slot formed in the lower edge of the blower. This movement will cause screen 24 to ride to the top of frame 10, as the frame is a little more than twice the height of the screen or blower. When the fire is burning satisfactorily, blower 25 is pushed upwardly until its lower edge is approximately flush with or just above angles 28 and this movement will cause screen 24 to move downwardly until its lower edge is in substantially the same plane as the lower edge of blower 25. After a new fire has been started, or material is being burned which is apt to cause sparks to fly out of the grate, or if the coal is heaped so far above the grate that it may fall outwardly upon the hearth, screen 24 is pulled downwardly in the same manner as described for blower

25, and thus prevents any sparks or coals from leaving the fire place.

In case either screen 24 or blower 25 needs repairing or replacing, screws 13 and 23 are removed so that pulley support 18 may move downwardly and the screen, blower, pulley supports 18, and plates 12 may be swung outwardly and removed from frame 10. The different parts are re-installed by reversing this process.

It will thus be evident that my improved attachment provides adequate protection against sparks or coals from leaving the fire place, provides an efficient blower for quickening a fire in the fire place, and is adapted for replacement of all parts that may rust or burn out during use; it being understood that screws 13 and 23 are preferably of a different metal than is frame 10 or plates 12, the screws preferably being of brass and the plates and frame of iron.

While I have described my invention as taking a particular form, it will be understood that modifications may be made without departing from the spirit thereof, and hence I do not limit myself to the precise construction set forth, but consider that I am at liberty to make such changes and alterations as fairly come within the scope of the appended claims.

I claim:—

1. An attachment for fire places including a frame, fixed guideways in the upper part of the frame, removable guideways in the lower part of the frame and aligning with the fixed guideways, a screen and a blower slidable in the guideways, a pulley mounted between the fixed guideways at either side of the frame, a flexible support passing over each pulley and connected to the screen and to the blower, and means for removing the screen and blower when the attachment is installed in a fire place.

2. An attachment for fire places including a frame, fixed guideways in the upper part of the frame, removable guideways in the lower part of the frame and aligning with the fixed guideways, a screen and a blower slidable in the guideways, a pulley support removably secured between the guideways at either side of the frame, a pulley mounted on each pulley support, a flexible support passing over each pulley and connected to the screen and to the blower, and means for removing the screen and blower when the attachment is installed in a fire place.

3. An attachment for fire places including a frame, fixed guideways in the upper part of the frame, a plate removably secured to the lower part of each side of the frame, guideways fixed to each plate and aligning with the fixed guideways, a screen and a blower slidable in the guideways, a pulley mounted on either side of the frame, and a flexible support passing over each pulley and connected to the screen and to the blower, whereby removal of the plates and pulleys will allow removal of the screen and blower from the frame when the attachment is installed in a fire place.

4. An attachment for fire places including a frame, fixed guideways in the upper part of the frame, a plate removably secured to the lower part of each side of the frame, guideways fixed to each plate and aligning with the fixed guideways, a screen and a blower slidable in the guideways, a connector secured in the upper part of each side of the frame, a pulley support having a notch in its upper end engaging each connector, means for removably securing the lower end of each pulley support to a side of the frame, a pulley on each pulley support, and a flexible support passing over each pulley and connected to the screen and to the blower.

5. An attachment for fire places including a frame, the upper part of which is enclosed, fixed guideways in the enclosed part of the frame, removable guideways aligning with the fixed guideways, a pulley support removably secured between the guideways on each side of the frame, a pulley on each support, a screen and a blower slidable in the guideways, and a flexible support passing over each pulley and connecting the screen and blower.

In testimony whereof I have signed my name to this specification.

LOUIS F. EISELE.