

Oct. 26, 1926.

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1,604,470

SCREENING DEVICE

Filed March 25, 1925

Fig. 1.

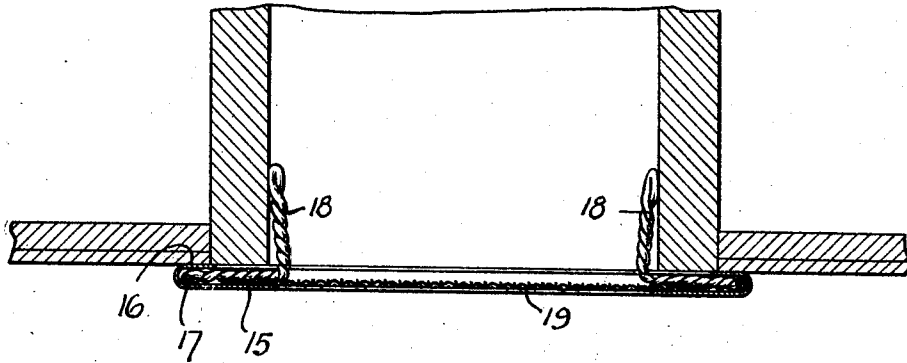


Fig. 2.

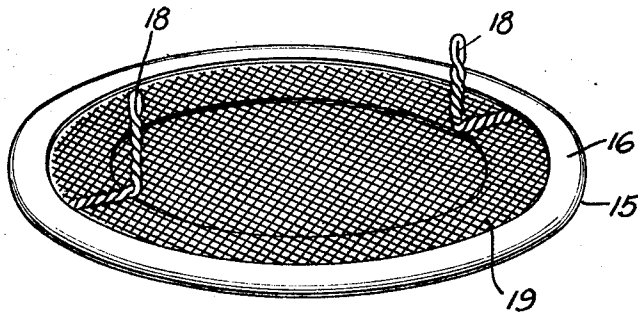
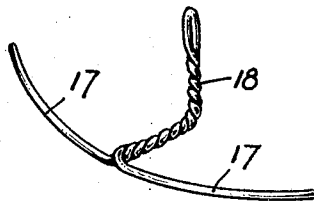


Fig. 3.



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SCREENING DEVICE.

Application filed March 25, 1925. Serial No. 18,212.

My invention relates to screening devices for interior ventilating openings in the walls of buildings, and a purpose of my invention is the provision of a simple, inexpensive screening device which is capable of being secured within a ventilating opening without the necessity of nailing, screwing or in any like manner fastening the device in or about the opening, and which embodies means for removably securing a screen within the device so that should it be desired to extend a ventilating pipe into the ventilating opening, the screen can be readily removed to permit the extension of the pipe through the screening device, thus permitting the device to remain in place within the opening.

I will describe only one form of screening device embodying my invention, and will then point out the novel features thereof in claims.

In the accompanying drawings,

Figure 1 is a view showing in horizontal section one form of screening device embodying my invention in applied position within a ventilating opening;

Figure 2 is a detail perspective view of the screening device shown in Figure 1;

Figure 3 is a detail perspective view of one of the attaching members embodied in the device shown in the preceding views.

Referring specifically to the drawings, wherein similar reference characters refer to similar part in each of the several views, my invention, in its present embodiment, comprises a frame 15 formed of metal or other suitable material, which frame, in the present instance, is of circular form for adaptation to a circular ventilating opening. The edge of the frame 15 is provided with an annular flange 16 bent so as to be disposed at one side of and in spaced parallel relation to the frame, as clearly shown in Figure 1, so as to accommodate between the flange and frame a pair of attaching members by which latter the screening device as a unit is removably secured within a ventilating opening.

As illustrated to advantage in Figure 3, each attaching member comprises a pair of arcuate arms 17 and a substantially L-shaped arm 18. These three arms are formed from a single length of wire, the arm 18 being formed by twisting the wire upon itself and extending the free ends of the wire in oppo-

site directions to form the arms 17. In the applied position of the attaching members to the frame, the arms 17 and those portions of the arms 18 disposed in the same plane as the arms 17 are all interposed between the flange 16 and the frame 15 in such manner that the flange is utilized to secure the attaching members to the frame. With the attaching member secured to the frame in this manner, it will be clear that the remaining portions of the arms 18 extend from one side of the frame at diametrically opposed points, and it is these portions of the arms 18 which are employed for removably securing the screening device as a unit within a ventilating opening.

A screen 19 of disk form so as to be received within the area defined by the flange 16 is applied to one side of the frame 15 and with its marginal edge disposed beneath those portions of the arm 18 lying parallel to the frame 15 whereby the screen is detachably secured in spanning relation to the opening in the frame 15.

It is to be understood that the wire of which the attaching members is formed is sufficiently resilient to allow the required flexing of the arms 18 to permit their insertion into the ventilating opening, as illustrated in Figure 1, the tendency of the arms to expand operating to retain the frame to the wall. Should it be desired to remove the screen 19 from the frame 15 in order to permit the extension of a ventilating pipe through the frame, it will be clear that by a slight flexing of the arm 18, the screen can be disengaged from the arms and thus removed from the frame.

Although I have herein described and shown only one form of screening device embodying my invention, it is to be understood that various changes and modifications may be made therein without departing from the spirit of the invention and the spirit and scope of the appended claims.

I claim as my invention:

1. A screening device comprising a frame having a flanged edge, attaching members secured to the frame by the flanged edge, and a screen removably secured in spanning relation to the frame by the attaching members.

2. A screening device comprising a frame having a flanged edge, and attaching members each comprising a pair of arms secured

to the frame by the flanged edge and a third arm extending from one side of the frame.

3. A screening device comprising a frame having a flanged edge, attaching members
5 each comprising a pair of arms secured to the frame by the flanged edge and a third arm extending from one side of the frame, and a screen engaged by the third arms of
10 the members for removably securing the screen to the frame.

4. A screening device comprising a frame having a flanged edge, and attaching members each comprising a single length of wire bent to form arcuate arms extending in op-
15 posite directions and twisted to form an L-shaped arm, the arcuate arm being engaged by the flanged edge for securing the mem-

bers to the frame and the L-shaped arm extending from one side of the frame for the purpose described.

5. A screening device comprising a frame having a flanged edge, attaching members each comprising a single length of wire bent to form arcuate arms extending in opposite
25 directions and twisted to form an L-shaped arm, the arcuate arms being engaged by the flanged edge for securing the members to the frame and the L-shaped arm extending from one side of the frame, and a screen en-
30 gaged by the L-shaped arms for removably securing the screen in spanning position with respect to the frame.

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