July 24, 1934. A. CESTONE 1,967,660

RAIN SPOUT HOOK

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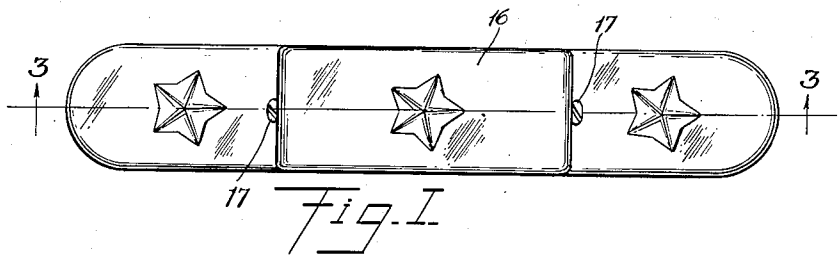


Fig. 1

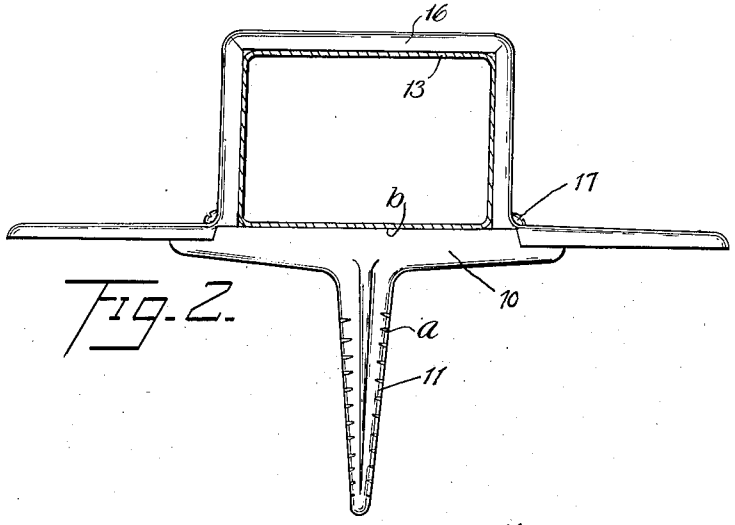


Fig. 2.

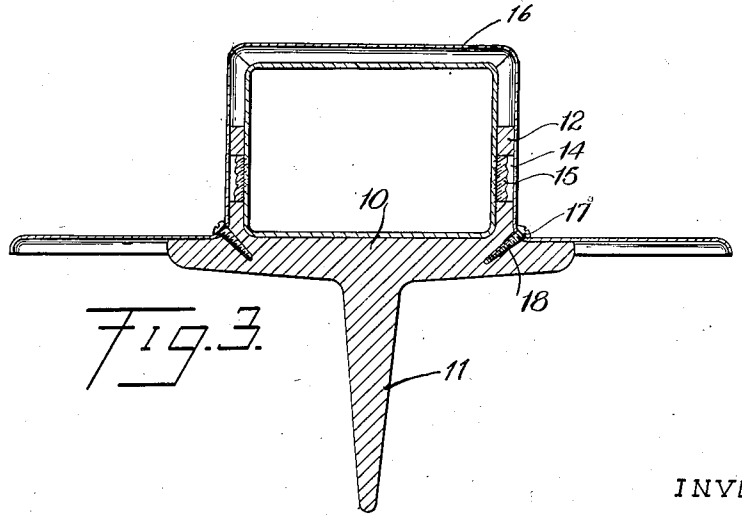


Fig. 3.

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RAIN SPOUT HOOK

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4 Claims. (Cl. 248—36)

The present invention relates to rain spout hooks or fasteners which are customarily used for securing the spouting to the wall of a building or other structure along which it extends.

Heretofore, various means have been employed for this purpose, such, for instance, in connection with brick or masonry walls, a metal hook shaped member having a pointed end which may be driven into the joint of the blocks or stones forming the wall, and in connection with frame houses it is customary to provide a strap or band formed of a strip of metal extending around the spouting in various manners and secured to the wooden wall structure. In order to prevent longitudinal movement of the spouting in the fastening means the latter is usually secured to the spouting by solder, applied merely at the edge of the metal strip or hook in a manner that will make a bond between the fastener and the spouting. This solder is usually applied after the spouting and fastener have been placed in position and the solder runs, making an unsightly appearance and very often a faulty or bad bond between the two parts which readily becomes disengaged.

The object of the present invention is to provide a spouting hook which may be used with either masonry or wooden walls and which is so constructed that it facilitates the application of the hook to the wall as well as to the spouting; provides means permitting the formation of a perfect bond between the spout and the hook and which will prevent the solder from running; which will permit the insertion and removal of the spouting from the hook without the removal of the entire hook from the wall structure; and which lends itself to be ornamental and attractive in appearance.

With the above and other objects in view the invention resides, the sundry details of construction, combination and arrangement of parts hereinafter more fully described and pointed out in the appended claims.

In the drawing, which illustrates one embodiment of my invention; Figure 1 is a face view of the spouting hook; Figure 2 is a plane view of the hook shown in Figure 1; and, Figure 3 is similar to Figure 2 with parts in section to show greater detail to construction.

Referring in detail to the drawing, 10 denotes the anchor member of the hook and comprises a plate having projecting from its rear face, preferably at a medial point, a rearwardly extending member 11 which forms a spike or driven member which may be notched, corrugated or serrated, as at "*a*", along its length to present a roughened surface for the purpose of more firmly holding it in the material in which it is driven. This extension 11 is preferably tapered toward its free end. At or near each end portion of the plate 10 is provided a forwardly extending arm 12 of such length as may partially extend along the side of the drain spout 13, permitting the drain spout to be easily inserted and removed laterally from the anchor member. Thus, it will be seen that the spout engaging portion of the anchor member is substantially U-shaped and in some forms of my invention the closed end of the U may be formed on an arc rather than formed by a flat plate 10.

This U-shaped anchor member permits the extension 11 to be readily driven into the wall by a hammer or other suitable instrument by applying blows to it at a point indicated by "*b*".

The arms 12 of the anchor member are each provided with an aperture 14 extending therethrough so that solder 15 may be deposited therein and engage with the surface of the spouting opposing it (as clearly shown in Figure 3) for the purpose of forming a bond between the walls of the aperture 15 and the spouting 13. These openings 14 serve to retain the soft solder in place to keep it from spreading and losing its effectiveness in forming the bond, and they also act as a mold for forming projections of solder on the side walls of the spouting, which projections extend into said apertures.

In some instances the hook thus far described may be all that is desired for use in securing the spouting in position. However, to more securely fasten the spouting a strap or band 16 is provided of such shape or is bent so as to conform to the perimetral contour of the spouting. This strap or band 16 may be ornamental as desired and has its side portions covering and laying against the outer surface of the arms 12 and its end portions laterally extended and brought into engagement with the end portions 10*a* of the plate 10 preferably provided at the juncture of the end portions 10*a* and the arms 12 of the anchor member; or in any other manner whereby the screws 17 will draw the strap 16 tightly about the spout 13 and along the outer surface of the arms 12, when the screws or fasteners are being tightened in position. To this end the openings 18 are preferably arranged in the outwardly extending ends or lugs 10*a* of the plate 10 or obliquely to the arm 12, as shown. Each end portion of the strap is provided with an opening therein through which a screw or other fastener 17 is extended and thread-

ably or otherwise removably fastened in a suitable opening 18 in the plate 10. Thus, when it is desired to remove the spouting it is only necessary to remove the strap 16 by the removal of the fastener 17 and to break the bond of solder either by a tool or by heat. It is not necessary to remove the anchor member, which is ordinarily difficult to remove from the masonry wall, or, if removed from a wooden wall, leaves a scarring or other objectionable mark on the surface thereof.

In some forms of the invention the arms 12 of the anchor member may be omitted and the apertures 14 formed in the band or strap instead.

From the foregoing, it will be seen that a very desirable spouting hook has been provided and while I have only shown one form in the drawing it is susceptible of being embodied in other forms and that the invention is only to be limited by the scope of the appended claims.

What is claimed is:

1. A hook for rain spouting comprising an anchor member adapted to be secured to a wall or the like, and a strap member adapted to extend about said spouting, and detachable fastening means securing said strap to said anchor means and positioned to draw said strap tightly about said spouting, when tightened into fastening position.

2. A hook for rain spouting comprising a substantially U-shaped member adapted to engage partially about the rain spouting and having a means for securing it to a wall, said U-shaped member having at least one aperture extending therethrough adapted to receive and confine melted solder therein, which will form a bond between said member and said spouting a strap closing the opened end of the U-member and the solder apertures therein, and means permitting the strap to be fastened in position.

3. A hook for rain spouting comprising a substantially U-shaped member and having a driving member outwardly extending from its closed end adapted to be driven into a wall, at least one of the forward portions of said U-shaped member being formed with an aperture therethrough adapted to receive and confine melted solder therein, which will form a bond between the hook and said spouting, and a strap member adapted to close the open end of said U-shaped member and said solder aperture, and detachable fastener members for securing opposite end portions of the strap to the U-shaped member and positioned to draw said strap tightly about the spout, whereby the rain spouting may be firmly fastened in position against lateral and longitudinal movement.

4. A hook for rain spouting comprising an anchor member having a substantially U-shaped portion to receive the spouting between the arms thereof, means whereby the anchor may be secured to a wall or the like, a strap to extend about said spouting and across the opened end of the U-shaped portion of the anchor member, means for securing the end portions of said strap to said member, and including at least one threaded aperture in the anchor member and a thread screw extending through an opening in the strap and in said threaded aperture, said threaded aperture being so positioned that the screw will draw the strap tightly about the spout and bind the spout to the anchor member when being screwed in fastening position.

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