May 30, 1933. A. F. ABRONSKI 1,912,241

RAIN DOWN-SPOUT HANGER

Filed May 18, 1931

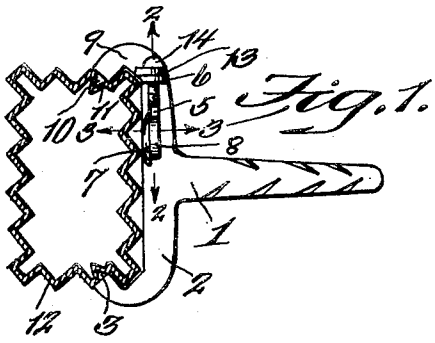


Fig. 1.

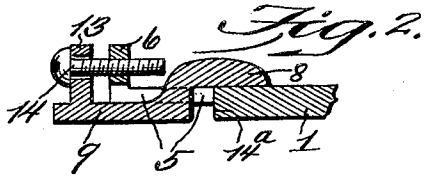


Fig. 2.



Fig. 3.

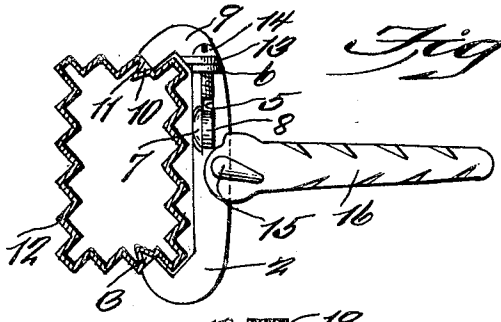


Fig. 4.

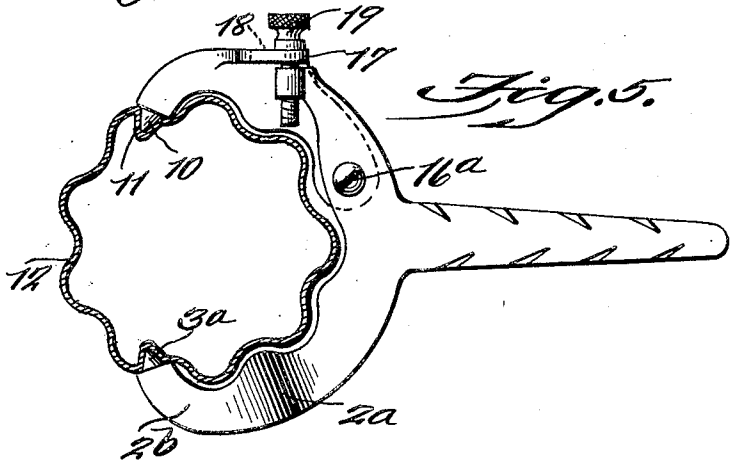


Fig. 5.

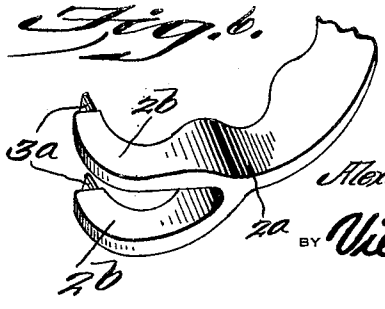


Fig. 6.

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UNITED STATES PATENT OFFICE

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RAIN DOWN-SPOUT HANGER

Application filed May 18, 1931. Serial No. 538,289.

This invention relates to an improved hanger for supporting a down spout and a purpose of the invention is to provide a hanger, which is adapted to be driven into the mortar between the bricks or otherwise fastened to the wall, and including jaws, one being fixed and the other adjustable, for clamping against substantially opposite portions of a down spout for the purpose of supporting spouts of various sizes, either angular or circular in cross section.

Another purpose is to provide a hanger, where the jaw member is pivoted to the hanger shank, so as to accommodate down spouts in slightly varied positions.

Another purpose is to provide a jaw supporting device, which has a slot to receive a tongue (which overlies the jaw supporting device) to guide a jaw, together with ears on the jaw and the device for receiving a screw for holding the jaw in different positions, there being an abutment wall formed on the device against which the tongue engages to guide the movable jaw.

It is to be understood that the particulars herein given are in no way limitative, and that while still keeping within the scope of the invention, any desired modification of details and proportions may be made in the construction of the appliance according to circumstances.

The invention comprises further features and combination of parts to be hereinafter set forth, shown in the drawing and claimed.

In the drawing:—

Figure 1 is a sectional view of a down spout, showing the improved hanger applied.

Figure 2 is a sectional view on line 2—2 of Figure 1.

Figure 3 is a sectional view on line 3—3 of Figure 1.

Figure 4 is a sectional view through a down spout, showing the hanger applied and illustrating the jaw member pivoted to the hanger.

Figure 5 is a cross sectional view of a down spout, which is of circular formation in cross section, and showing the hanger applied including a modified construction of an adjustable jaw member.

Figure 6 is a detail view of the integral jaw 2*a* of the hanger showing the forks.

Referring to the drawing especially Figures 1 and 2, 1 identifies a hanger which may be driven into mortar between the bricks of a wall, and carried by the hanger shank is an integral jaw 2. The extremity of the integral jaw has a knob or projection or lug 3, for engagement with a depression formed in the wall of the down spout. One end of the jaw element has a slot 5 and an ear 6 near the end of the jaw member. An abutment 7 is formed on the jaw member, against which a tongue 8 carried by the movable jaw 9 engages, thereby limiting the movable jaw in its extended position.

The movable jaw member has a projection or lug 10, which engages a depression 11 in the down spout 12. By this arrangement the down spout is supported against downward movement.

The movable jaw has an upstanding ear 13, through which a screw 14 loosely engages, the screw being in turn threaded into the ear 6, thereby adjustably connecting the movable jaw to the jaw member. The under face of the jaw member has a shoulder 14*a* which limits the closing position of the movable jaw.

In Figure 4 the jaw carrying member is pivoted by means of a key 15 to the hanger shank 16, so that it is possible that the jaw member may accommodate itself to down spouts differently positioned.

In Figure 5 the movable jaw is pivoted at 16*a* to the jaw member, and furthermore the movable jaw has an upstanding ear 17 formed with an elongated slot 18 through which a screw 19 loosely engages. The screw is in turn threaded into one end of the jaw member, so that by adjusting the screw the pivoted jaw can be positioned to engage down spouts circular in cross section, and those of different diameters.

The integral jaw 2*a* in Figures 5 and 6 terminates in forks 2*b*, the terminals of which have projections 3*a*, which engage depressions in the circular down spout.

The invention having been set forth, what is claimed is:

1. In a spout hanger, a supporting member including a shank for anchorage in a wall, said supporting member having a fixed jaw at one side, the opposite side of the supporting member having a slot, a movable jaw lying under and in sliding engagement with the fixed jaw and having a tongue engaging up through the slot and lying flat against the upper surface of the fixed jaw for sliding movement, an upstanding abutment on the fixed jaw adjoining the slot, and with which that portion of the tongue which lies against and slides on the upper surface of the fixed jaw abuts, thereby reinforcing and guiding the movable jaw in its various positions, adjacent ears, one rising from the end of the fixed jaw, the other rising from the movable jaw, and a screw loose in the ear of the movable jaw and threaded in the ear of the fixed jaw for retaining the movable jaw in different adjusted positions relative to the spout.

2. In a down spout hanger, a supporting member including a shank for anchorage in a wall, said supporting member having a short fixed jaw and a relatively long fixed jaw, the latter engaging about and substantially conforming to a down spout and having means at its extremity adapted to engage into the wall of the spout, a movable jaw mounted for adjustment on the relatively short fixed jaw and substantially conforming to the spout in a position substantially opposite the long fixed jaw, the terminal of the movable jaw having means adapted to penetrate into the wall of the spout substantially opposite to corresponding means on the long fixed jaw, said relatively short fixed jaw and the movable jaw having registering upstanding elements, and a screw loosely passing through the element of the movable jaw and threaded through the element of the relatively short fixed jaw, whereby upon adjustment of the screw, the movable jaw may be regulated in position to accommodate spouts of different cross sectional area.

In testimony whereof I affix my signature.

ALEXANDER F. ABRONSKI.