

(No Model.)

J. E. LOGAN.
EAVES TROUGH HANGER.

No. 546,019.

Patented Sept. 10, 1895.

Fig. 1.

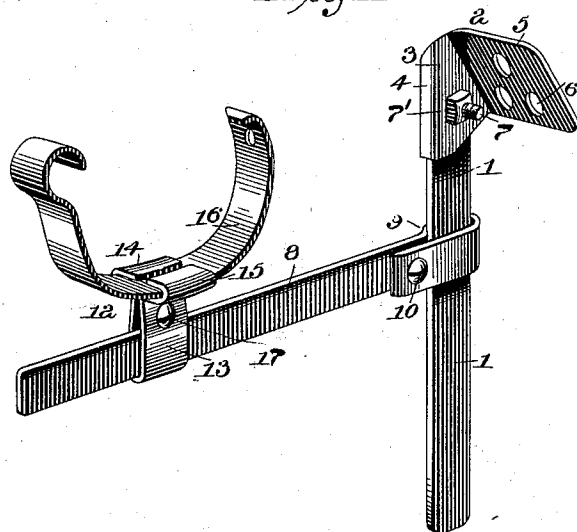


Fig. 2.

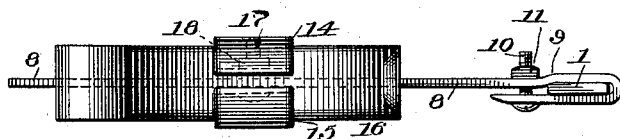


Fig. 3.

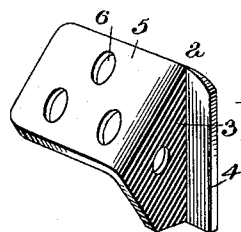
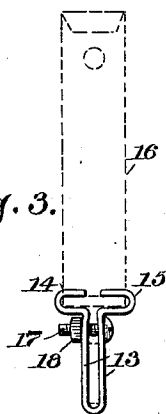


Fig. 4.

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EAVES-TROUGH HANGER.

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Application filed February 2, 1895. Serial No. 537,093. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. LOGAN, a citizen of the United States, residing at Manchester, in the county of Hillsborough and State of New Hampshire, have invented certain new and useful Improvements in Eaves-Trough Hangers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to eaves-trough hangers; and its object is to provide an improved construction thereof in which the trough-band, which supports and carries the trough, may be adjusted laterally so as to increase or decrease the distance from the building to which it is applied, and which is also vertically adjustable to vary the distance of the spout or trough below the eaves, as circumstances may require.

It is also an object to provide improved means for adjustably securing the bracket to the eaves, so as to accommodate the device to roofs of different slants or inclinations.

The invention consists in the novel construction and combinations of parts hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of an eaves-trough hanger constructed in accordance with my invention. Fig. 2 is a plan view of the device, the angle-plate for securing it to the roof being removed. Fig. 3 is a front view of the slidable bracket which supports and carries the trough-band. Fig. 4 is a perspective view of the angle-plate, by which the device is secured to a roof, detached.

In the said drawings, the reference-numeral 1 designates a vertical rectangular bar having a hole or aperture near its upper end for the passage of a screw-bolt hereinafter described.

The numeral 2 designates a securing-plate consisting of a body portion 3, having its inner edge bent over at a right angle, forming a flange 4, adapted to engage with the inner edge of the bar 1. The upper end of the plate is bent over on a diagonal line, forming an inclined angle extension 5, provided with holes or apertures 6 for the passage of screws or

other fastening devices, by which it is secured to a roof.

The numeral 7 designates a headed screw-bolt passing through the hole in the bar 1 and also through a corresponding hole in the securing-plate, by which the latter is secured to the bar. It is provided with a retaining-nut.

The numeral 8 designates a vertically-adjustable horizontal arm having one end bent over backward upon itself and formed with a shoulder 9. The bent-over part of said arm is formed with a hole or aperture through which and a similar hole in the arm passes a screw-bolt 10, provided with a nut 11. By bending over the arm, as described, a guideway is formed through which the bar 1 passes, and by loosening the screw-bolt the arm may be adjusted vertically thereon, the shoulder 9 serving to steady the arm and prevent it from wobbling.

The numeral 12 designates a T-bracket, which is slidable or adjustable on the arm 8, and consists of a rectangular plate bent over upon itself at the center, forming shanks 13, the ends of which are bent outwardly and then inwardly, forming arms 14 and 15, which embrace the trough-band 16 and serve to support the same. A screw-bolt 17, passing through oblique holes in the shanks 13, and a nut 18 retain the bracket in any position to which it may be adjusted.

The operation of the device will be readily understood. The securing-plate 2 is adjusted at any angle desired with respect to the bar 1, according to the slant or inclination of the roof, which can be readily done by loosening the bolt 7 and snipping off the lower end of the flange 4 by means of a pair of shears. When properly adjusted, the bolt is tightened and the flange 4, abutting against the inner edge of the bar 1, securely holds the plate in position, which is then secured to the roof by screws, nails, or other fastening devices. To adjust the trough vertically the bolt 10 is loosened and the arm 8 moved up or down upon the bar 1, as desired, and when properly adjusted the bolt is again tightened to secure it in place. The shoulder 9 serves to guide and steady the arms. In a similar manner, by loosening the bolt of the T-bracket

the trough may be adjusted laterally by sliding the bracket in or out upon the arm 8.

Having thus fully described my invention, what I claim is—

- 5 In an eaves trough hanger the combination with the vertical bar, of the securing-plate having its inner edge bent over at a right angle and its upper end bent over on a diagonal line forming an inclined angle extension and

means for adjustably securing said plate to the bar, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN E. LOGAN.

Witnesses:

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