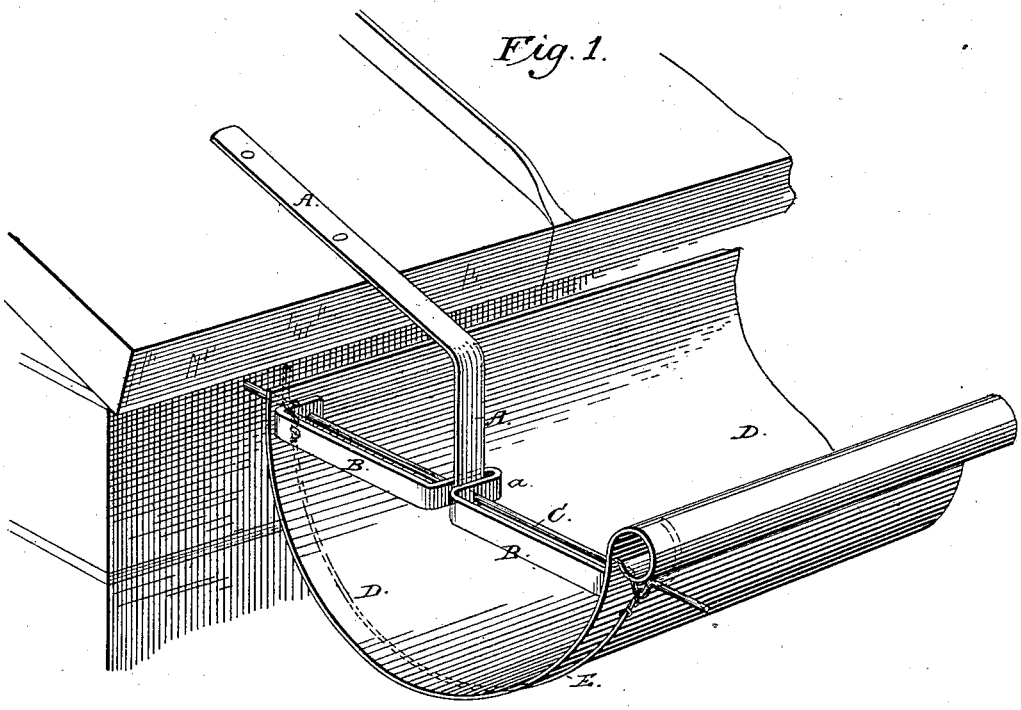
(No Model.)

C. L. PIERPONT.

EAVES TROUGH HANGER.

No. 265,981. Patented Oct. 17, 1882.

Fig. 1.



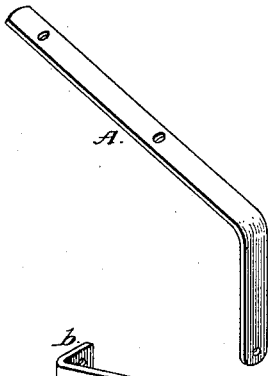


Fig. 3.

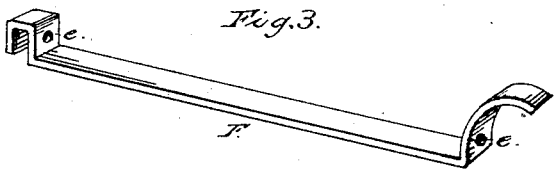
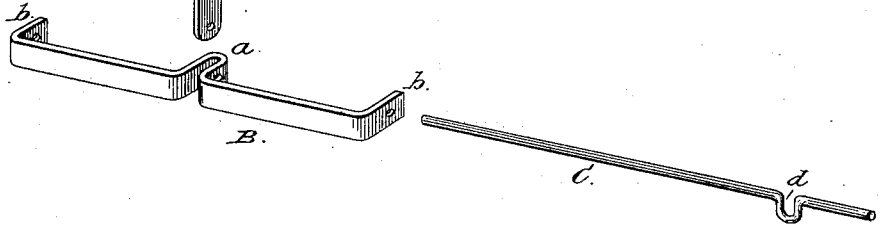


Fig. 2.



Attest.

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UNITED STATES PATENT OFFICE.

CHARLES L. PIERPONT, OF RED WING, MINNESOTA.

EAVES-TROUGH HANGER.

SPECIFICATION forming part of Letters Patent No. 265,981, dated October 17, 1882.

Application filed June 30, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. PIERPONT, of Red Wing, in the county of Goodhue and State of Minnesota, have invented certain Improvements in Eaves-Trough Hangers, of which the following is a specification.

My invention relates to eaves-trough hangers; and it consists in features and details of construction, hereinafter set forth, whereby the attachment and removal of the the trough is facilitated and a firm support therefor is afforded.

In the accompanying drawings, Figure 1 represents a perspective view of the trough suspended by my improved hanger; Fig. 2, a perspective view of the parts of the hanger separated, and Fig. 3 a perspective view of the guide employed in forming the holes for the wire.

The object of my invention is to support the trough from the center, so as to avoid tipping or sagging, and to afford means for readily attaching or removing the trough, as desired.

To this end I constuct my improved hanger as shown in the drawings, in which A represents the strap or hanger proper, made of stiff strap-iron, perforated at one end to receive the fastening-nails, and at the other end to permit the passage through it of the fastening-wire; and B represents the cross-bar, which serves to brace and hold apart the sides of the trough, and to carry the supports to those points. The cross-strip B is formed with a U-shaped bend, *a*, midway between its ends, which latter are also bent at right angles with the body of the strip, forming ears *b*, which, with the double bend *a*, are perforated to receive a wire, C. The wire is passed through one side of the trough D, near its upper edge, thence through the first ear *b*, next through bend *a* and the perforated end of strap or hanger A, which is inserted in said bend, and finally through the remaining ear *b* and inner or rear side of the trough, as shown in Fig. 1. The wire C is formed with a bend, *d*, at its outer end to receive a supporting-wire, E, which passes therefrom beneath the trough D, and is wrapped around the inner or rear end of wire C, the ends of which latter are then bent upward and turned over the edges of the trough, as shown. In this way the trough is prevented from either spreading or collapsing, is firmly supported, and is caused to hang naturally in a horizontal position transversely. By this construction, too, I am enabled to fasten the hanger-straps A in position and then to attach the cross-pieces and the trough, thus obviating the difficulty occasioned by the straps catching on the roof and eaves, as under the ordinary plan, and the trough may at any time be taken down for repair without removing the straps.

In order to insure the formation of the holes at the proper point in the trough to receive the wires C, I employ a gage or guide, F, Fig. 3, which is bent at its ends to rest upon the sides or edges of the trough and carried downward inside the same a short distance at each side, and provided with holes. The gage, being placed upon the trough, is moved along to the point where the hanger is to be applied, and an awl is passed through the holes *e*, making holes in the trough at corresponding points, and thus insuring a uniform attachment of the hangers. The hangers can be applied while the trough is on the ground and dropped over to one side of the wire C into the trough, and the whole carried up to the eaves, and the strips A bent and secured without further trouble.

Having thus described my invention, what I claim is—

1. The herein-described hanger, consisting of strap A, cross-strip B, having bend *a* and ears *b*, and wire C, all combined and operating as set forth.

2. In combination with trough D, the hanger consisting of strap A, cross-strip B, having bend *a*, and ears *b*, wire C, and supporting-wire E, applied as shown.

CHARLES L. PIERPONT.

Witnesses:
S. J. HASLER,
CHARLES M. CLEW.