(No Model.)

W. C. BERGER.

EAVES TROUGH.

No. 334,160. Patented Jan. 12, 1886.

Fig. 1.

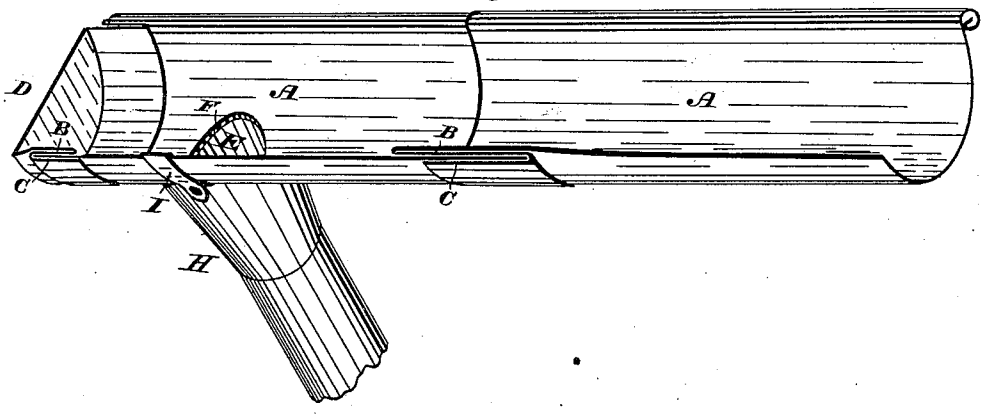


Fig. 2.

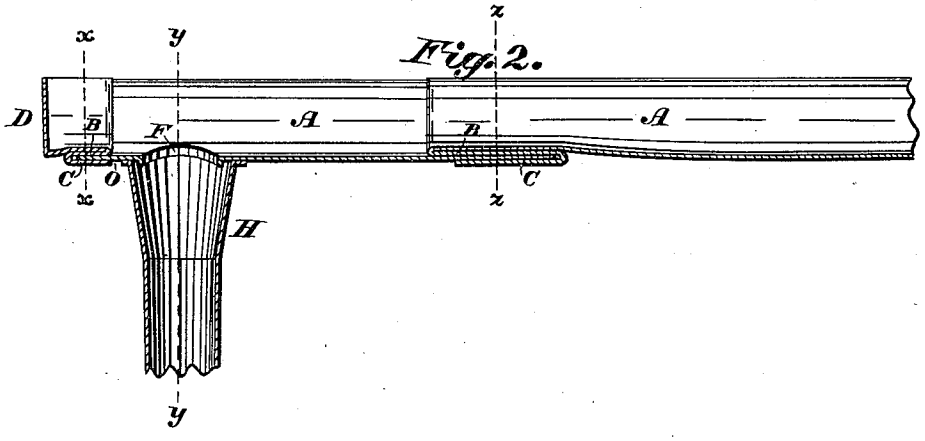
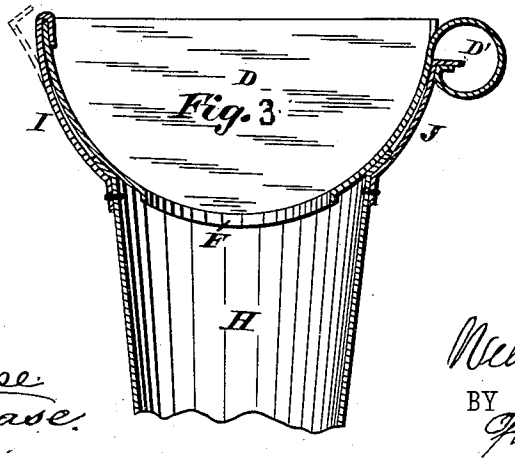


Fig. 3.



WITNESSES:

Harry Frease.

Joseph Frease.

INVENTOR

Nelson C. Berger

BY Fred W. Bond

ATTORNEY

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

WILSON C. BERGER, OF CANTON, OHIO.

EAVES-TROUGH.

SPECIFICATION forming part of Letters Patent No. 334,160, dated January 12, 1886.

Application filed July 23, 1885. Serial No. 172,358. (No model.)

To all whom it may concern:

Be it known that I, WILSON C. BERGER, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Eaves-Troughs; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon, in which—

Figure 1 is an isometrical view. Fig. 2 is a longitudinal section. Fig. 3 is a transverse section through *y y*.

The present invention has relation to eaves-troughs; and its nature consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claims.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, A represents a section of the trough proper, which may be of any desired length and size, and when properly put together, as hereinafter described, is attached to the building in any well-known manner. One end of the section A is bent or formed as shown in Fig. 2, and is formed as follows: A portion of the section A is first folded back, as at B, when a part of the portion turned back is folded, as at C, and is so arranged that the end of the portion C will not come out to the end of the section proper, as seen in Fig. 2. The object and purpose of so forming the parts is to provide a convenient means of adjusting the section which is to be attached thereto, and at the same time securely attach the ends of the section together without solder.

The ends of the trough proper are provided with end pieces, D, which are substantially of the form shown in the drawings, and are made to conform with the size of the trough to which it is to be attached, and is bent or formed as the joint of the sections A, except that when properly formed the ends of the folds will be even, as seen at O, Fig. 2, and is so formed for the purpose of bringing said end piece, D, close up to the bead D′ when said end piece is placed in proper position.

The construction just described is that which I prefer to employ in connection with my improvements; but it is not claimed by me, as it forms no part of my invention. It is obvious, however, that my improvements are equally applicable to other forms and constructions of eaves-troughs.

The opening E is provided with the downward-projecting flange or collar F, which is for the purpose of securing to top or upper end of the drop-pipe H, and thereby form a connection that will not leak. To the top or upper end of the drop-pipe H are securely attached the metallic straps I and J. (Best seen in Fig. 3.) The strap I extends up over the edge of the trough proper, and is bent or turned over, as shown in Fig. 3. The strap J extends up, and is placed over the edge of the bead D′, as shown in Fig. 3, when it is bent or turned down the same as the strap I, thereby securely holding the drop-pipe H in proper position, and at the same time forming a connection that will not leak without the use of solder.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In an eaves-trough, the combination, with a drop-pipe, of straps riveted thereto and engaging with said trough to support the drop-pipe, substantially as described.

2. In an eaves-trough, the drop-pipe H, provided with the straps I and J, in combination with the trough proper, substantially as and for the purpose set forth.

3. In an eaves-trough, the opening E, provided with the downwardly-projecting flange or collar F, in combination with the drop-pipe H, provided with the straps I and J, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILSON C. BERGER.

Witnesses:

JOHN A. BERGER,

FRED W. BOND.