C. T. METZNER.

EAVES-TROUGH HANGERS.

No. 194,611. Patented Aug. 28, 1877.

Fig. 1.

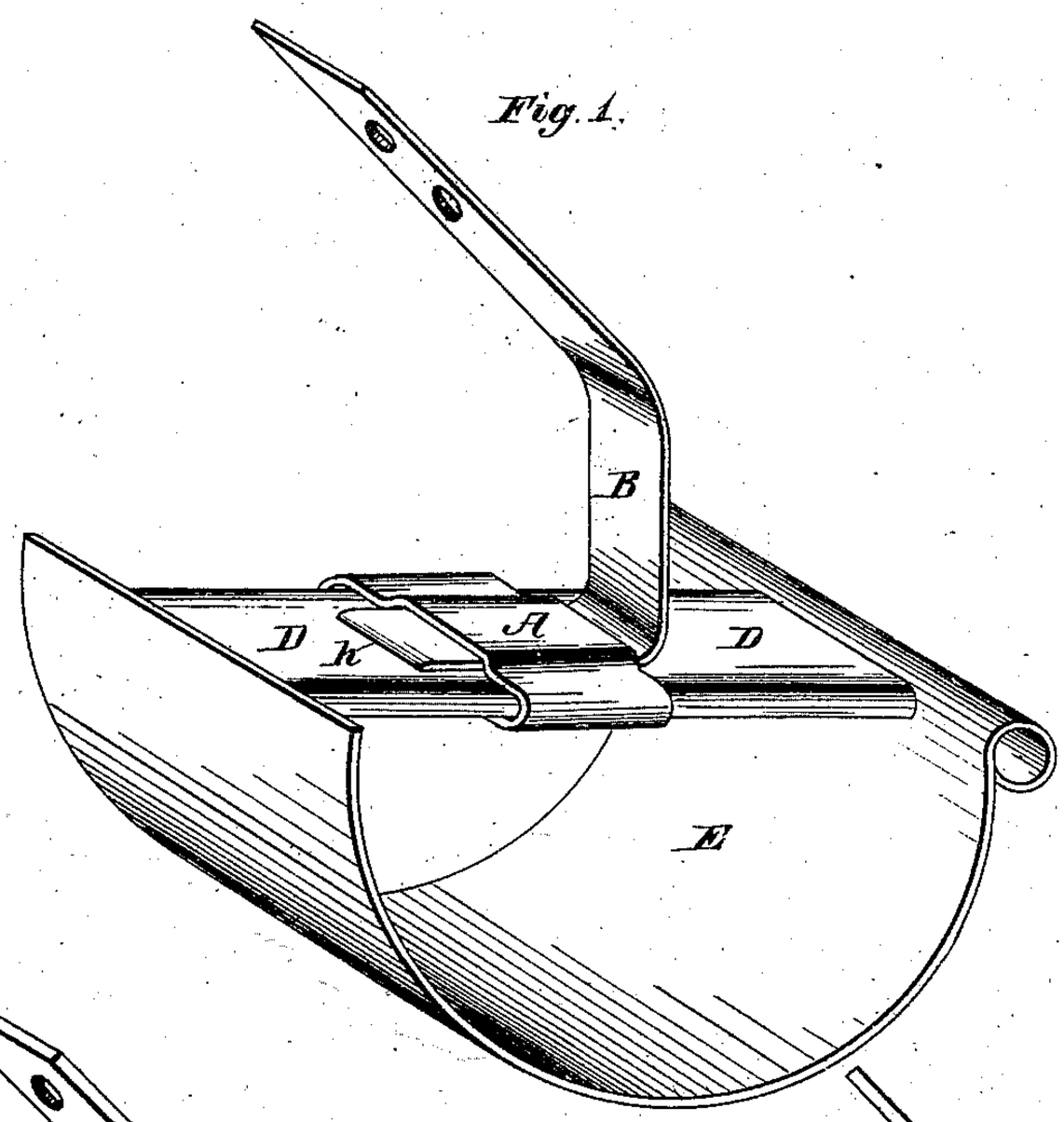


Fig. 2.

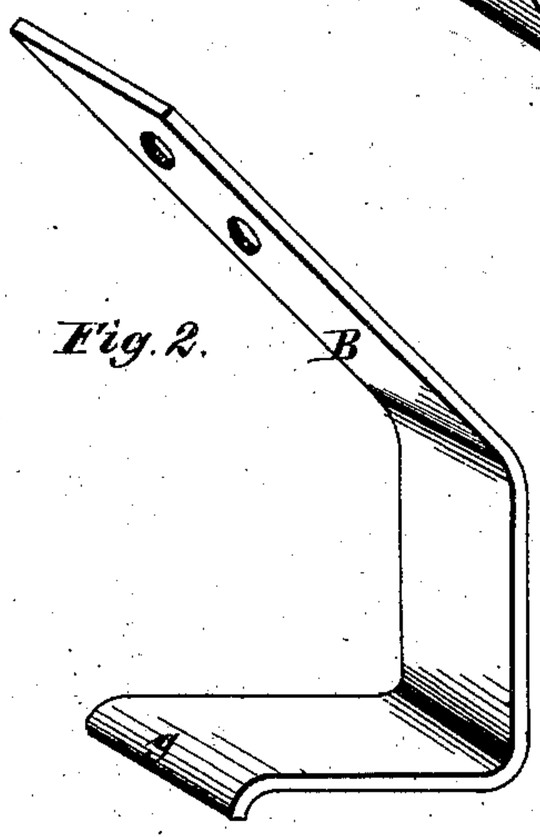


Fig. 3.

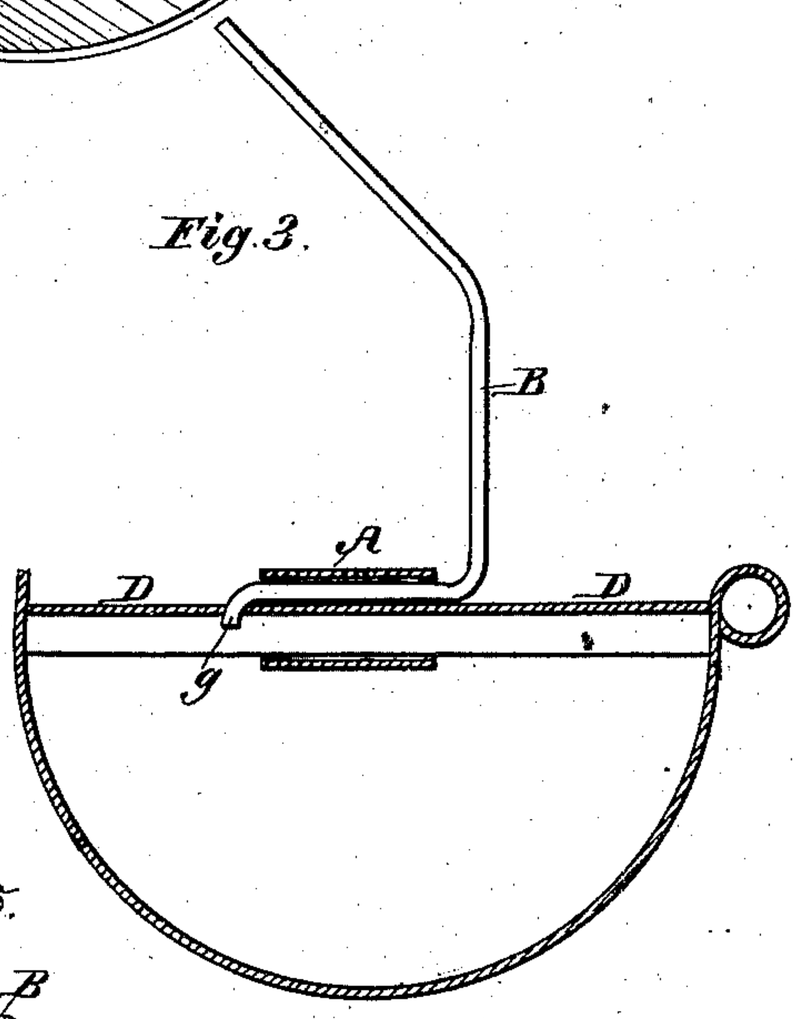


Fig. 4.

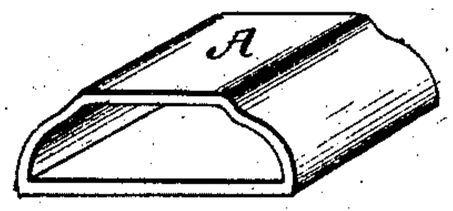
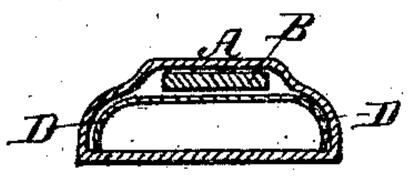


Fig. 5.



Witnesses.

John W. Alexander

William H. Alexander

Inventor.

Charles Theodore Metzner

UNITED STATES PATENT OFFICE.

CHARLES T. METZNER, OF STERLING, ILLINOIS.

IMPROVEMENT IN EAVES-TROUGH HANGERS.

Specification forming part of Letters Patent No. **194,611**, dated August 28, 1877; application filed December 27, 1876.

To all whom it may concern:

Be it known that I, CHARLES T. METZNER, of Sterling, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Eaves-Trough Hangers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, in which letters of reference similar to those used in this specification denote corresponding parts.

My invention consists in a novel method of attaching eaves-troughs to the hangers upon the roof, so that the trough may readily be detached at any time without separating the hanger from the roof.

B is the hanger, in the upper part of which are two or more holes through which the hanger, by nails or screws, is fastened to the roof. A certain portion of the lower part of B is bent at or near a right angle, so as to lie parallel with and directly upon the upper side of the brace D. D is the ordinary eaves-trough brace, having its sides folded and bent downward to obtain the greatest stiffness. In the brace D is cut the transverse slot *h*, as shown, and before the brace D is soldered into the trough there is slipped over it the band or slide A. The extreme lower end of the hanger B is bent downward at *g* for insertion into the slot *h*.

The method of use is as follows: When the trough is ready for hanging the hanger B is placed on the brace D, with the bent end of B inserted in the slot *h*. The slide A is then passed over and embraces snugly the brace D and that part of the hanger B which is superimposed upon the brace. This, in connection with the insertion of the end of the hanger B into the slot *h*, prevents any relative movement of the hanger and the trough. The upper part of the hanger is then bent to any desired angle to fit the roof, and nailed or screwed to the latter. Thereafter, by merely slipping the slide A from the end of the hanger B, the trough can be removed for purposes of painting, &c., without detaching the hanger from the roof, and the trough can as readily be refastened. The slide A I would make of copper, to avoid rusting. The slot *h* may be lessened in length, and the end of the hanger B, which is inserted therein, narrowed to correspond, thereby weakening less the brace. The insertion of a third of the width of the hanger in the slot *h* is sufficient, as the only purpose of such insertion is to prevent the parts B and D from slipping on each other.

An advantage in the use of the slide A, in addition to the ready adjustability of the parts which it affords, is that it gives the full strength of the brace D at the point of attachment of the latter to the hanger B.

What I claim as my invention, and desire to secure by Letters Patent, is—

In an eaves-trough, the combination of the hanger B, provided with the short bend *g*, with the brace D, having the slot *h* and slide A, all arranged as described, and for the purpose specified.

CHARLES THEODORE METZNER.

Witnesses:

JOHN W. ALEXANDER,
WILLIAM H. ALEXANDER.