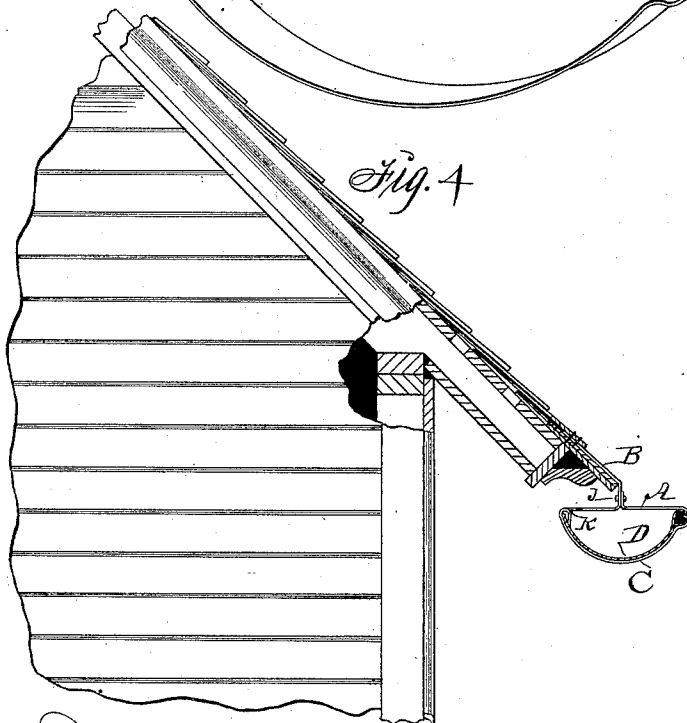
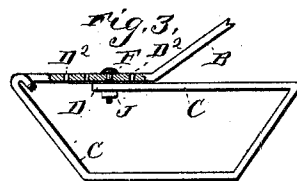
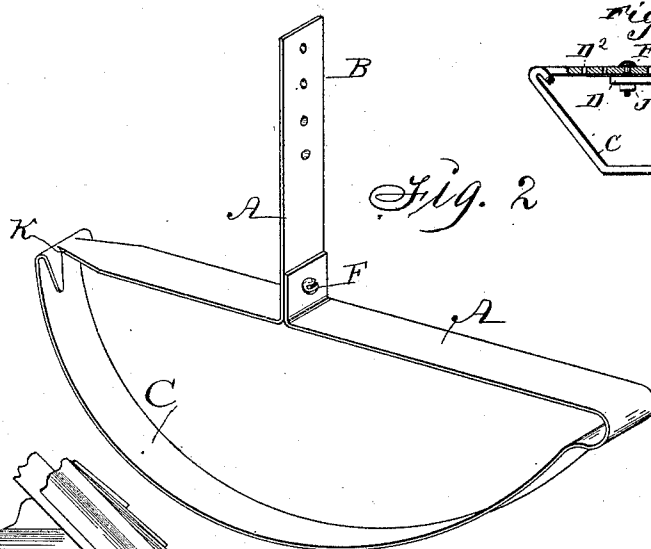
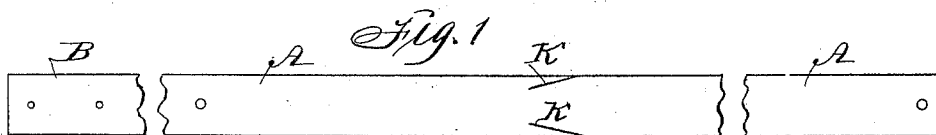


(No Model.)

B. F. NORTON.
EAVES TROUGH HANGER.

No. 474,184.

Patented May 3, 1892.



Witnesses:

H. J. Sautkey
R. H. Orwig.

Inventor: Benjamin F. Norton,

By Thomas G. Orwig, Attorney.

UNITED STATES PATENT OFFICE.

BENJAMIN F. NORTON, OF PERRY, IOWA, ASSIGNOR OF ONE-HALF TO JOHN H. PATTEE, OF SAME PLACE.

EAVES-TROUGH HANGER.

SPECIFICATION forming part of Letters Patent No. 474,184, dated May 3, 1892.

Application filed May 18, 1891. Serial No. 393,071. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. NORTON, a citizen of the United States of America, and a resident of Perry, in the county of Dallas and State of Iowa, have invented a new and useful Hanger for Eaves-Troughs, of which the following is a specification.

My object is to provide a convenient, durable, and cheap device adapted to be attached to the eaves of a building for the purpose of suspending therefrom a trough; and my invention consists in the construction of an eaves-trough hanger out of a single strip of strap metal adapted to encircle a trough and to be readily conformable to the diameter thereof, as hereinafter more fully described, set forth in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of the blank or metal strap. Fig. 2 is a perspective view of the hanger produced by bending the metal strap, as required, to conform to the shape of an eaves-trough of semicircular shape in cross-section. Fig. 3 is a modification of Fig. 2, showing the device adapted in form for suspending a V-shaped trough and having its lower end adjustably connected to the horizontal top portion of the loop by means of a screw-bolt and nut; and Fig. 4 is an end view of a house, showing parts broken away, and a cross-section view of a trough suspended therefrom by means of my invention, as required, for practical use.

A is a metal strap having one of its end portions B perforated, as required, to admit nails or screws for the purpose of attaching the device to the eaves of a building. Its center portion is in form of a loop C, adapted to encircle and clasp a trough, and its end D is detachably and adjustably connected to the portion B by means of a screw-bolt F and nut J entering the perforations D². The upper inside corner of the loop C has incisions K, which produce clasps adapted to engage the edge of the trough to aid in holding it firmly in position.

In the practical use of my invention I de-

tach the nut from the bolt and separate the end portions of the metal strap far enough to allow the loop to be placed on an eaves-trough at any point of its length desired and then bring the end portions of the loop together again to clasp the trough and fasten them by replacing the bolt and nut and bend the free projecting end at the point where it is to engage the eaves of the roof and then nail it flat upon the roof. In the series of hangers used to suspend a trough the point at which the projecting ends of the straps are bent to engage the roof must necessarily be farther from the loop at one end of the trough than at the other end, as required, to support one end of the trough higher than the other end.

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

1. A hanger for eaves-troughs, consisting of a metal strap having at one end perforations adapted to admit nails or screws, as required, to attach the device to the eaves of a building and having its central portion in the form of a loop adapted to encircle an eaves-trough, ears projecting from the strap to engage the top edge of an eaves-trough, a series of perforations formed in the strap at the top of the loop, and a bolt extended through the other end of the strap to enter perforations at the top of the loop and produce a detachable and adjustable connection therewith, substantially as set forth.

2. A metal strap adapted to encircle and support an eaves-trough, having its one end adapted to be attached to the roof of a house and the other end detachably connected with a portion of the strap on top of the eaves-trough, and diagonal incisions formed in the sides of the strap in juxtaposition to one of the top edges of the eaves-trough to form ears or clasps to engage the said top edge of the eaves-trough, for the purposes stated.

BENJAMIN F. NORTON.

Witnesses:

A. AINLEY,
H. P. LOCK.