

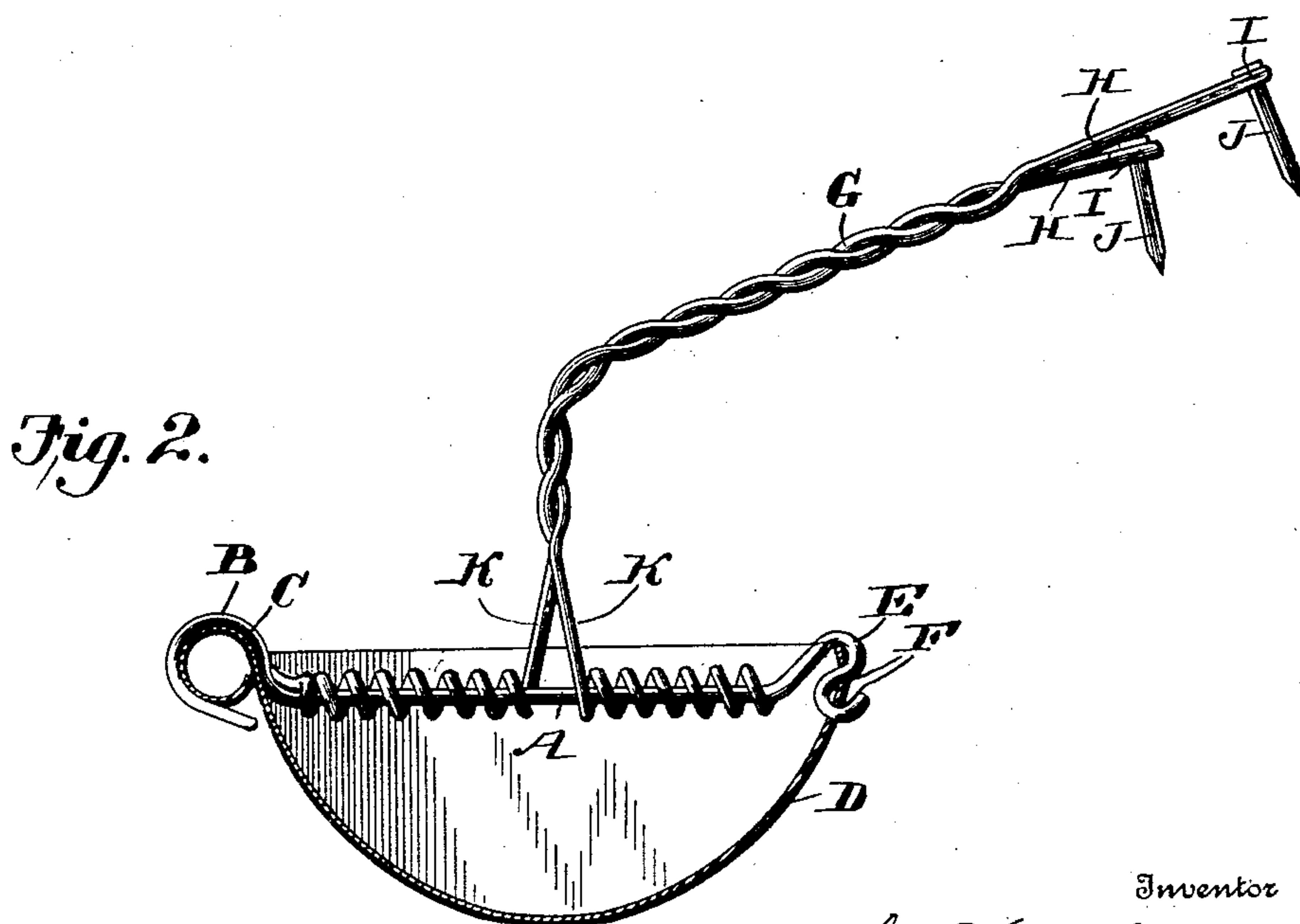
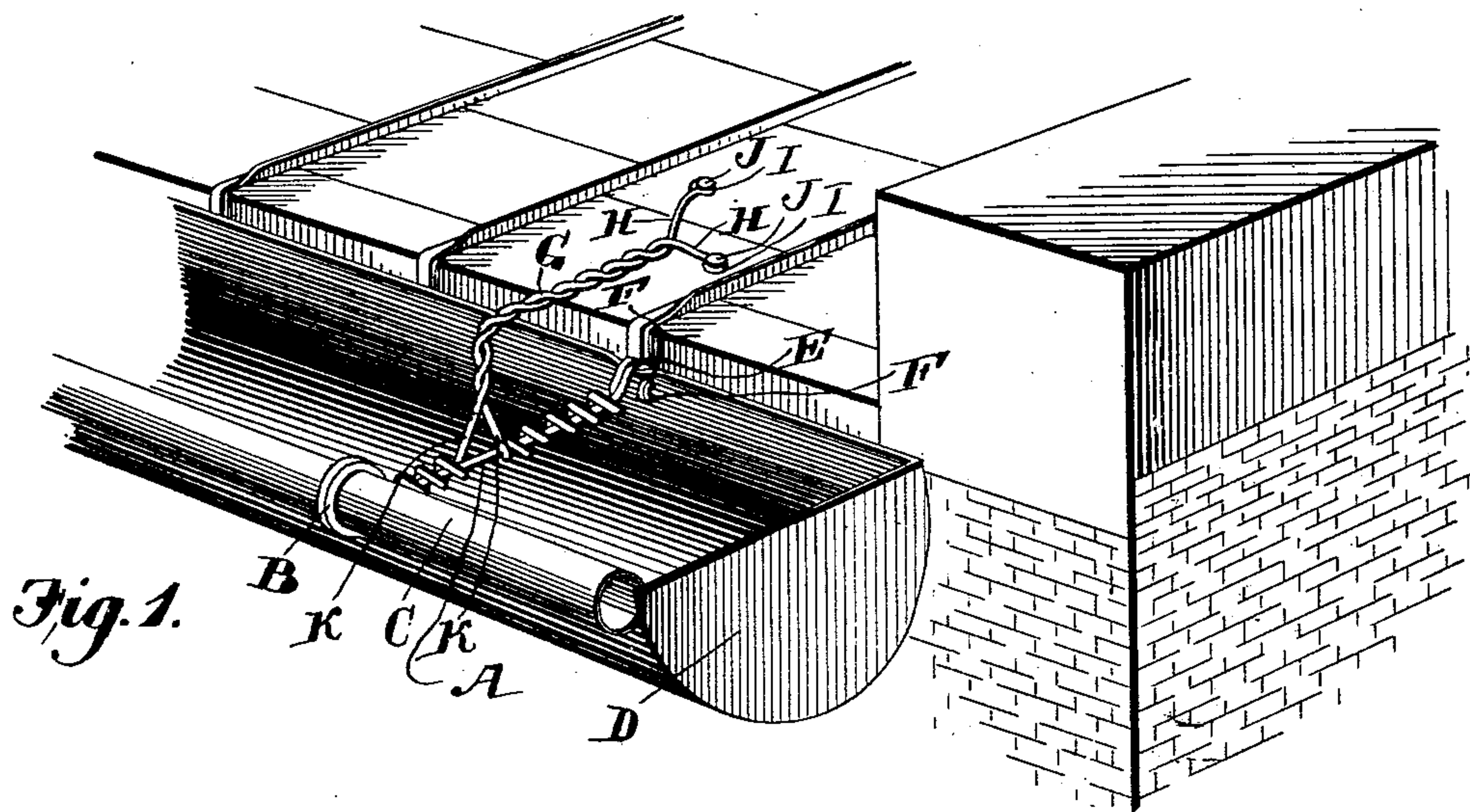
No. 684,401.

Patented Oct. 15, 1901.

H. C. ATKINSON.
EAVES TROUGH HANGER.

(Application filed Dec. 24, 1900.)

(No Model.)



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UNITED STATES PATENT OFFICE.

HENRY CATE ATKINSON, OF LOUISVILLE, KENTUCKY, ASSIGNOR OF ONE-HALF TO ELIZA D. GREELEY, OF SAME PLACE.

EAVES-TROUGH HANGER.

SPECIFICATION forming part of Letters Patent No. 684,401, dated October 15, 1901.

Application filed December 24, 1900. Serial No. 40,922. (No model.)

To all whom it may concern:

Be it known that I, HENRY CATE ATKINSON, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Eaves-Trough Hanger, of which the following is a specification.

This invention relates to improvements in eaves-trough hangers; and the object is to provide a very simple and cheap construction of hanger which may be quickly and readily attached to the trough and to the roof to hold the former securely in position.

A further object is to provide a hanger which will be provided with securing devices, so that the workmen may have the free use of their hands in hanging the trough.

With the above object in view the invention consists in the novel features of construction hereinafter fully described, particularly pointed out in the claims, and clearly illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view of a portion of a roof and trough, showing my improved hanger in use; and Fig. 2 is a transverse sectional view through the trough, showing the hanger in side elevation.

My improved hanger is formed of a single piece of wire which is doubled and formed into a cross-arm A, having at one end a hook B to extend around the bead C, formed at one edge of the trough D. The opposite end of said arm is formed with a substantially S-shaped hook E to extend through openings F F, formed in the trough at its opposite edge. These openings are arranged in line with each other, and the hook is inserted through one of them to the inner side of the trough and then passed through the other to the outside thereof. Thus the trough is securely attached to the cross-arm, which extends transversely thereof, as illustrated. Said cross-arm is formed by twisting one of the wires about the other wire from each hook inwardly to the center of said arm. The wires from the twisted portions are bent to extend upwardly from said cross-arm at its center and at a short distance above the

same are twisted together to form a stem G. The wires at the upper end of said stem are separated, as indicated by the letters H H, said separated portions having their ends formed with loops I I to embrace and hold attaching-nails J J. One of these portions H is somewhat shorter than the other, so that the workmen may adjust said separated portions or prongs in order to avoid a crack in the sheeting of the roof. It will be noticed that at the lower end of said stem G the wires are not twisted, but are disposed one on each side of the cross-arm and in line with each other, as indicated by the letters K K. After the wire has been doubled and twisted to form the hanger the same is dipped in metal, which strengthens the construction and prevents it from rusting.

The stem G may be bent to suspend the trough at the proper inclination with respect to the roof and may be very quickly and conveniently attached to the roof owing to the fact that it carries its own attaching means.

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

1. The combination with an eaves-trough formed at one edge with a bead, and at its opposite edge with two perforations extending parallel with each other, of a hanger consisting of a stem, an arm at the lower end of said stem, extending transversely of the trough, a hook formed at one end of said arm to embrace said bead, an S-shaped hook at the opposite end of said arm to be inserted through one of said perforations to the inner side of the trough and through the other perforation to the exterior thereof, substantially as described.

2. A hanger for eaves-troughs comprising a stem, a cross-arm at one end of said stem, a hook at one end of said arm, and an S-shaped hook at the other end of said arm, substantially as described.

HENRY CATE ATKINSON.

Witnesses:

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