

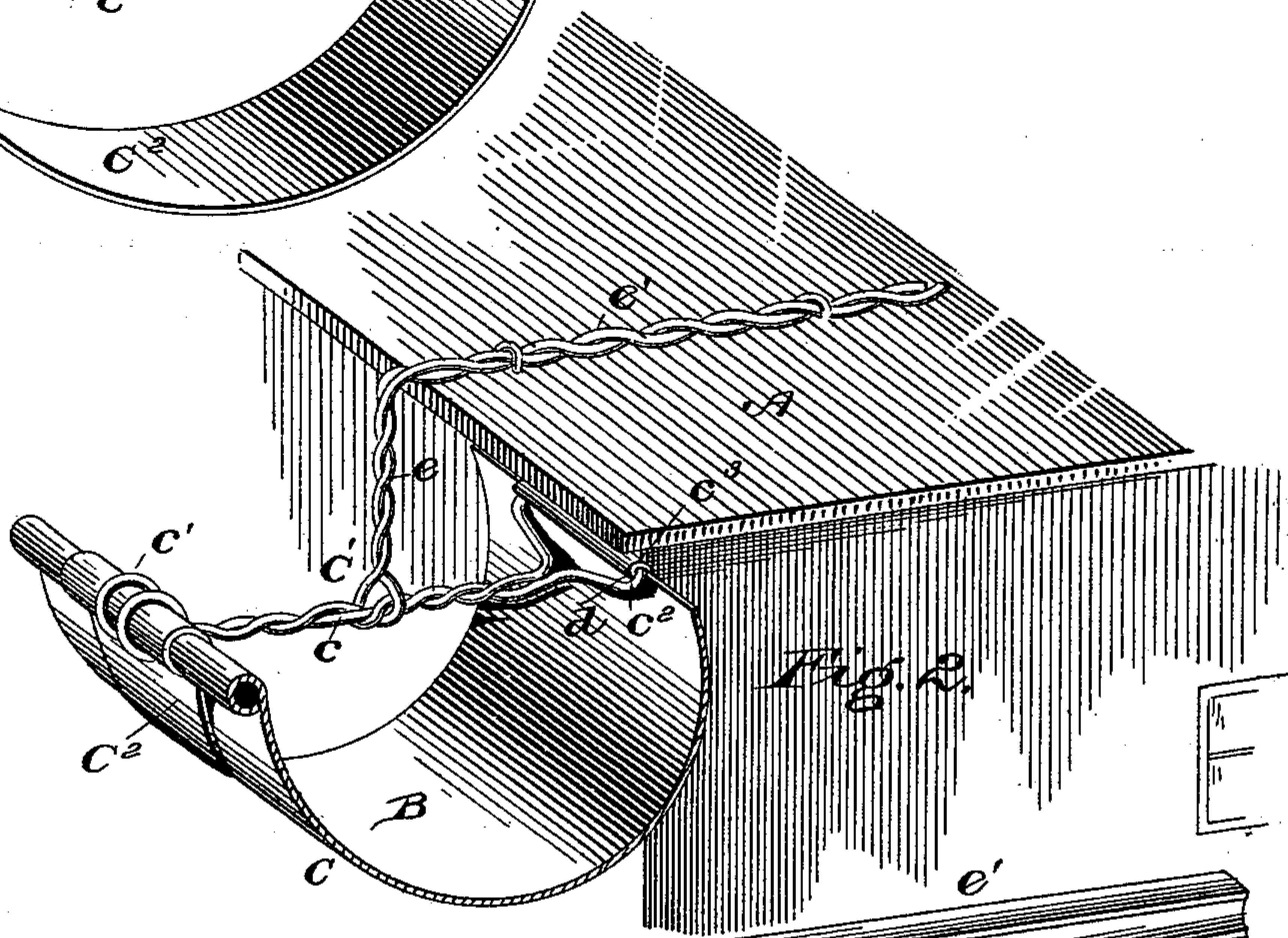
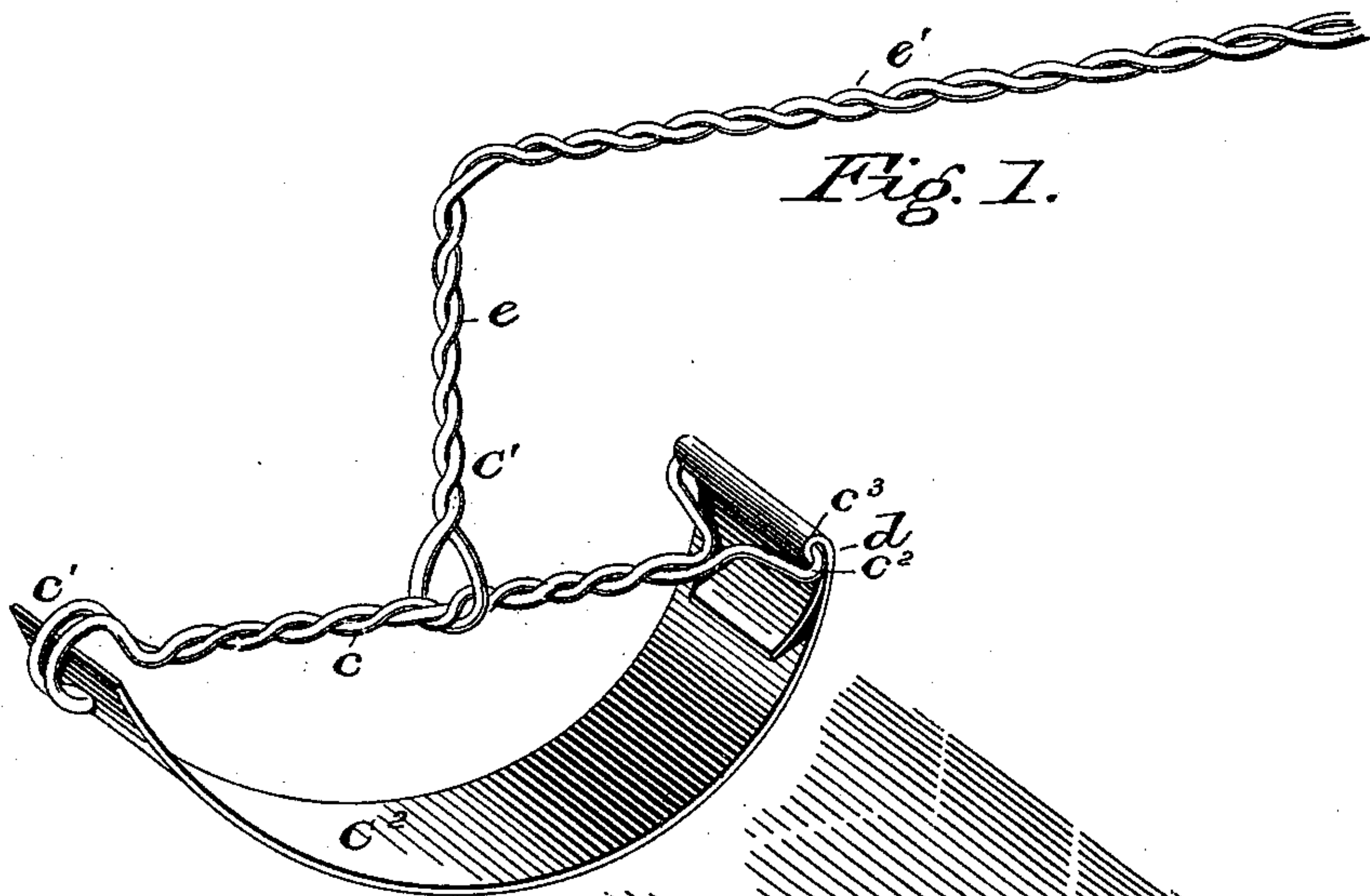
(No Model.)

A. DE WITT.

EAVES TROUGH BRACE AND HANGER.

No. 338,718.

Patented Mar. 30, 1886.



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AUGUSTUS DE WITT, OF BIRDSBOROUGH, PENNSYLVANIA.

EAVES-TROUGH BRACE AND HANGER.

SPECIFICATION forming part of Letters Patent No. 338,718, dated March 30, 1886.

Application filed October 8, 1885. Serial No. 179,364. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS DE WITT, a citizen of the United States, residing at Birdsborough, in the county of Berks and State of Pennsylvania, have invented a new and useful Improvement in Eaves-Trough Brace and Hanger, of which the following is a specification, reference being had to the accompanying drawings.

My invention has relation to improvements in eaves-trough hangers; and the novelty consists in the peculiar construction, combination, and arrangement of the various parts for service, substantially as hereinafter fully set forth, and specifically pointed out in the claims.

The invention has for its object to provide a hanger particularly adapted to eaves-troughs, which can be easily and quickly adjusted upon and secured to the trough, which shall be light, simple, strong, and durable in construction, cheap and easy of manufacture, which shall be capable of convenient manipulation, and which shall securely and rigidly hold or suspend the trough in proper position beneath the eaves.

In the accompanying drawings, Figure 1 is a perspective view of an eaves-trough hanger embodying my invention. Fig. 2 is a view of the device in position upon a roof and trough, the latter being shown in section. Fig. 3 is a view of a modification.

Like letters of reference denote corresponding parts in all the figures of the accompanying drawings, referring to which—

A designates a section of the roof, B an ordinary eaves-trough, and C my improved hanger connected to said roof and trough, the whole being arranged in the ordinary well-known manner at present in use.

My improved hanger comprises a suspending-arm, C', and an inclosing sheath or band, C², for the trough, the arm and band being hinged or pivotally connected together, as at d. The suspending-arm comprises a horizontal portion, c, bent at one end into hook form, as at c', to fit over and embrace the bead of the trough, while the opposite end of said horizontal portion is formed into an eye, c², that bears against the inner surface of the opposite side of the trough, and is hinged to or inter-

locks with an eye or loop, c³, formed from the inclosing sheath or band C², that fits around and embraces the exterior face of the trough snugly and tightly, to prevent slipping and displacement of the various parts.

The hanger-arm C' proper has a vertical arm, e, that is secured rigidly at or near the middle to the transverse horizontal portion or bar c, and an inclined arm, e', that is secured by nails, staples, or any other suitable fastening device or devices to the roof of a house or building.

The hanger-arm e e' proper and the cross-bar c c' c² form the suspending-arm, and the inclosing band or sheath C², that fits around and embraces the trough and is hinged or flexibly connected to one end of the cross-bar c, constitute my improved eaves-trough hanger, and these parts are made of various sizes and kept in stock, similar to other articles of hardware, and retailed to supply the demand.

In securing or adjusting the device upon an eaves-trough, the metallic inclosing band or sheath C² is bent around the trough at the proper point, any desired number being employed, proportionately to the length of the trough to be suspended. The free end of the band C² is bent around and lapped over the bead of the trough, the loop c² of the cross-bar c adjusted so that it will bear against the opposite edge of the trough, and the hook c' of said cross-bar c bent over the lapped end of the band C² and the bead of the trough, and when the desired number of hangers have thus been secured or fitted to the trough it is ready for elevation to the roof-eaves in proper position, after which the arms e' of the hanger-arms are adjusted and secured by nails or staples.

For the purpose of securing lightness, strength, durability, and ease in adjusting and bending the device, the band C² has preferably been made of sheet metal, and the cross-bar c and hanger-arm have been made of wire twisted together and arranged as shown in Figs. 1 and 2. If desired, however, the inclined arm e' of the hanger-arm may be made of cast or solid metal, as shown in Fig. 3, and in order to render the parts more durable and protect them from the corrosive action of the weather I

have deemed it best, although not essential, to galvanize said parts, as will be very readily understood.

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

10 1. In an eaves-trough hanger, the combination, with a trough, of a band inclosing the same and a hanger-arm having a cross-bar hinged at one end to said inclosing-band, and detachably connected at its opposite end to the trough, substantially as described.

15 2. In an eaves-trough hanger, the combination, with a trough, a band inclosing said trough and lapped over one edge thereof, and a hanger-arm hinged at one end to the inclosing-band, and having at one end a loop, c^2 , bearing against the trough, and detachably fitted at its opposite end over the lapped free
20 end of the inclosing-band, substantially as described.

3. In an eaves-trough hanger, the combination, with a trough, a metallic inclosing-band fitted around said trough and lapped over one edge thereof at its free end, a cross-bar formed
25 of wire hinged at one end to said band, and having an eye, c^2 , bent to bear against one edge of the trough, and a hook, c' , to fit over the free lapped end of the inclosing-band on the opposite edge of the trough, and a hanger-
30 arm formed of wire and rigidly secured to the cross-bar at its lower end and adapted to be secured to a roof, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in
35 presence of two witnesses.

AUGUSTUS DE WITT.

Witnesses:

ALBERT FRITZ,
WM. H. REPMON.