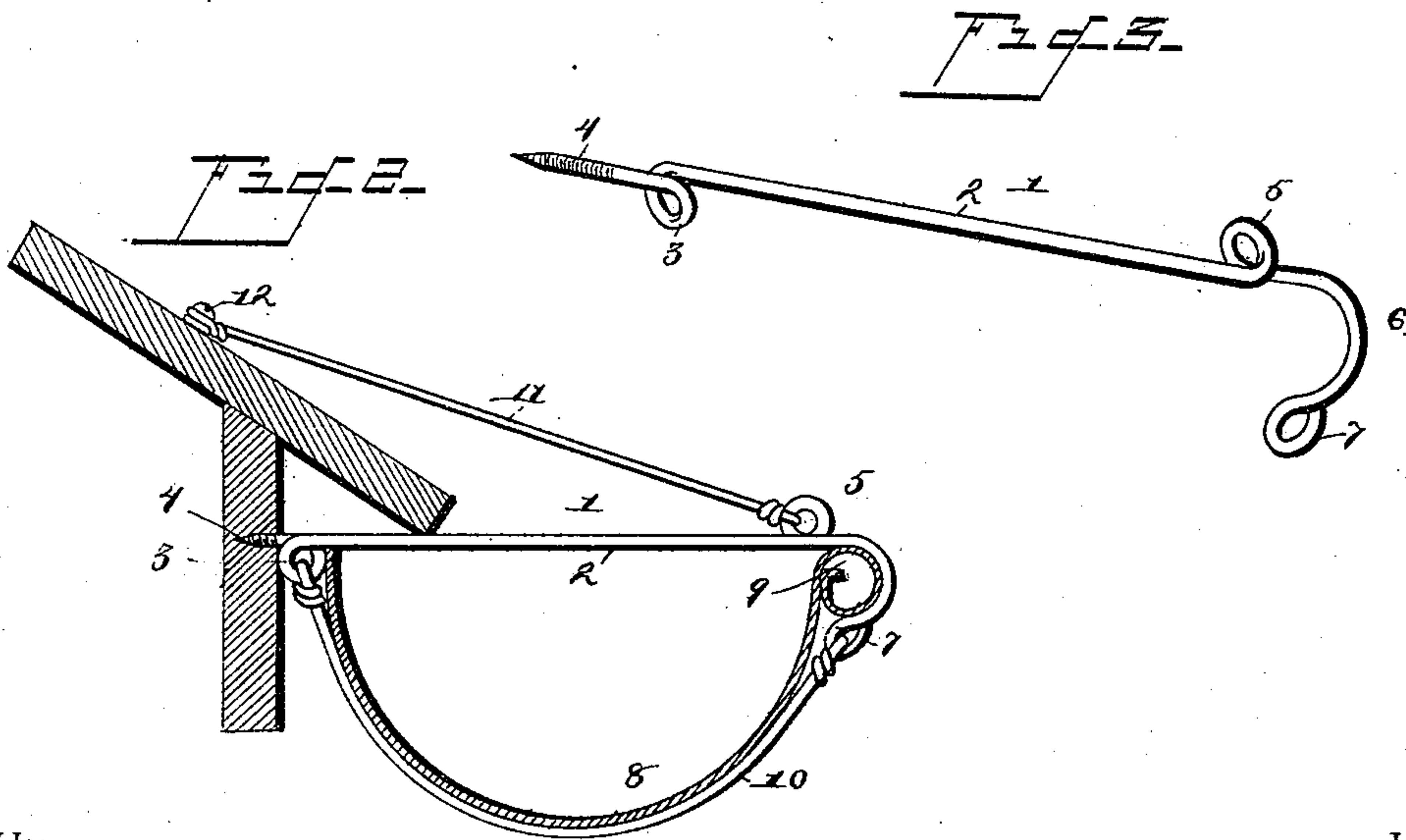
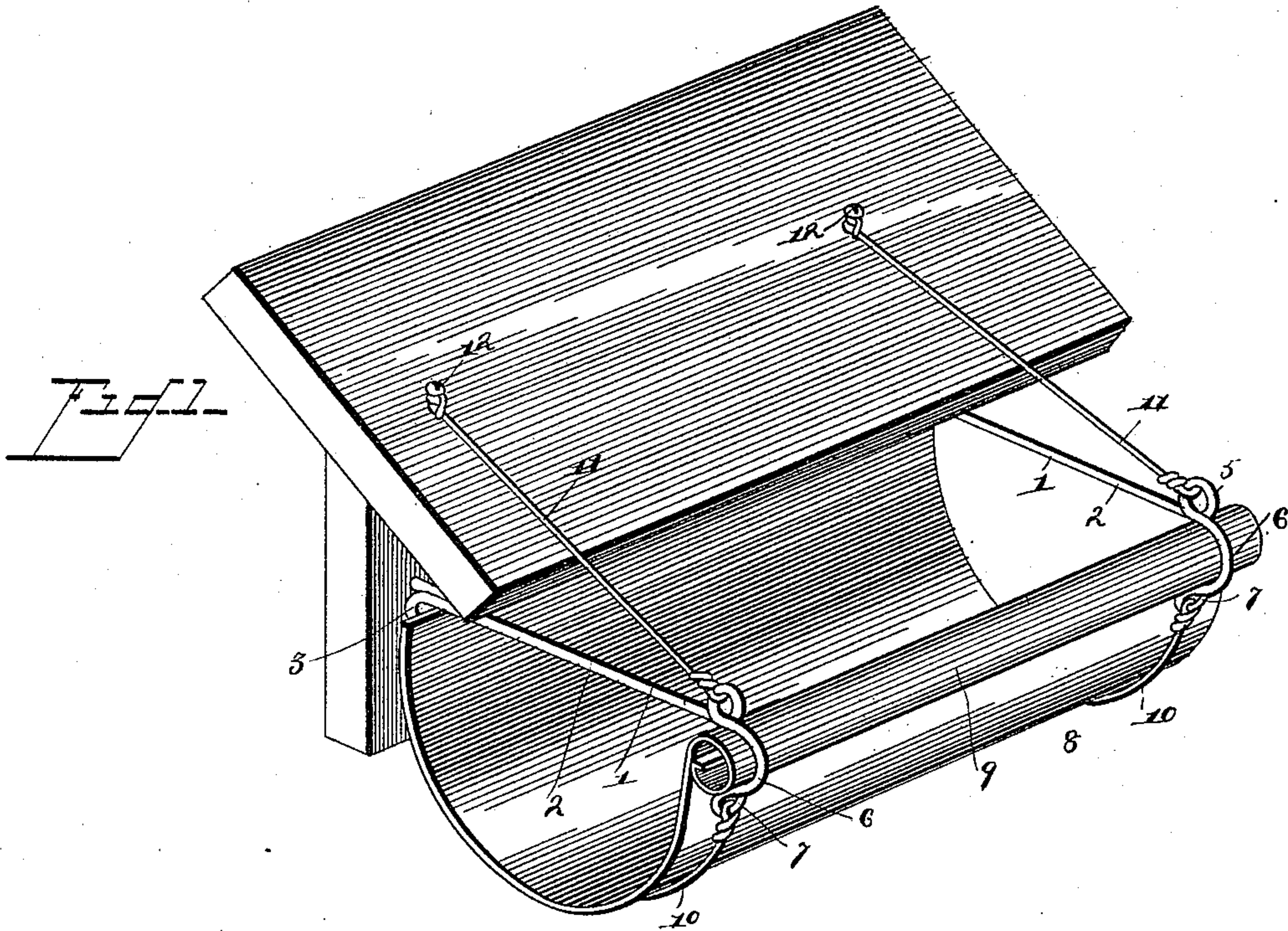


(No Model.)

M. F. MAHIN.
EAVES TROUGH HANGER.

No. 441,429.

Patented Nov. 25, 1890.



Witnesses:

Geo. C. Frick
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UNITED STATES PATENT OFFICE.

MILTON F. MAHIN, OF MONETT, MISSOURI.

EAVES-TROUGH HANGER.

SPECIFICATION forming part of Letters Patent No. 441,429, dated November 25, 1890.

Application filed April 19, 1890. Serial No. 348,620. (No model.)

To all whom it may concern:

Be it known that I, MILTON F. MAHIN, a citizen of the United States, residing at Monett, in the county of Barry and State of Missouri, have invented a new and useful Eaves-Trough Hanger, of which the following is a specification.

This invention has relation to eaves-trough hangers, and the objects of the invention are to provide an exceedingly simple and stable hanger for eaves-troughs, that may be readily applied and disconnected from the eaves of the building, and which will permit of a ready insertion and withdrawal of the trough itself therefrom.

With the above objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of an eaves-trough and hanger arranged in position and constructed in accordance with my invention. Fig. 2 is a transverse section of the same. Fig. 3 is a perspective in detail of the main supporting wire or bracket.

Like numerals of reference indicate like parts in all the figures of the drawings.

The hanger comprises a bracket 1, formed of galvanized wire and consisting of a straight central portion 2, near one end of which is formed a depending eye 3, the eye being formed by a twist of the wire, and beyond said eye the end of the bracket is threaded to form a screw 4. At the opposite end of the said portion the wire is again twisted to form an upwardly-disposed eye 5, and thence outwardly, downwardly, and inwardly curved to form an embracing portion 6, and again bent upon itself to form an eye 7. A series of these brackets are at intervals screwed into the facing under the eaves, and in horizontal alignment with each other, and within the same is located the lengths of trough 8, the bead 9 of which is embraced and supported by the curved portion 6, the opposite edge of said trough or gutter abutting against the rear eye 3. After being placed in position the eyes 3 and 7 are connected by a lower suspension-wire 10, the ends of which are

twisted in the eyes, said wire passing under the trough, as shown. This completes the trough proper, and it is apparent that by removing the wire 10 the trough may be readily sprung from position between the eye 3 and the embracing portion 6 of the several brackets.

In order to lend rigidity and support to the hanger, stay-wires 11 have their upper ends connected to screws or nails 12 inserted in the roof, the opposite ends of the stay-wires interlocking with the eyes 5 of the several brackets, and in this manner the weight of the trough and water therein is sustained by the stay-wires.

From the above construction it will be apparent that I have provided an exceedingly simple, cheap, and convenient eaves-trough hanger, one capable of being readily placed in position and removed therefrom, and adapted to permit of the ready removal of the trough itself for any purpose whatever without a disturbance of the hanger.

Having thus described my invention, I claim—

1. In an eaves-trough hanger, the brackets formed of wire, bent near their rear ends to form eyes 3, and beyond said eyes threaded at 4 to form screws adapted to be inserted in place, and at the opposite side of the eyes forming horizontal portions provided each with an upwardly-disposed eye 5, and beyond the same with an outwardly, downwardly, and inwardly curved embracing portion 6 and ending in an eye 7, the trough having its bead mounted in the embracing portions and its opposite edge resting against the eyes 3, the suspension-wires 10, having their opposite ends connected to the eyes 3 and 7 and passing under the trough, and the stay-wires 11, having their upper ends connected to the roof and their lower ends interlocked with the eyes 5, substantially as specified.

2. In an eaves-trough hanger, the brackets formed of wire, bent near their rear ends to form eyes 3, and beyond said eyes threaded at 4 to form screws adapted to be inserted in place, and at the opposite side of the eyes forming horizontal portions provided each with an outwardly, downwardly, and inwardly

curved embracing portion 6 and ending in
an eye 7, the trough having its bead mounted
in the embracing portions and its opposite
edge resting against the eyes 3, the suspen-
5 sion-wires 10, having their opposite end con-
nected to the eyes 3 and 7 and passing under
the trough, substantially as specified.

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

MILTON F. MAHIN.

Witnesses:

J. M. MILLER,

W. E. MARSHALL.