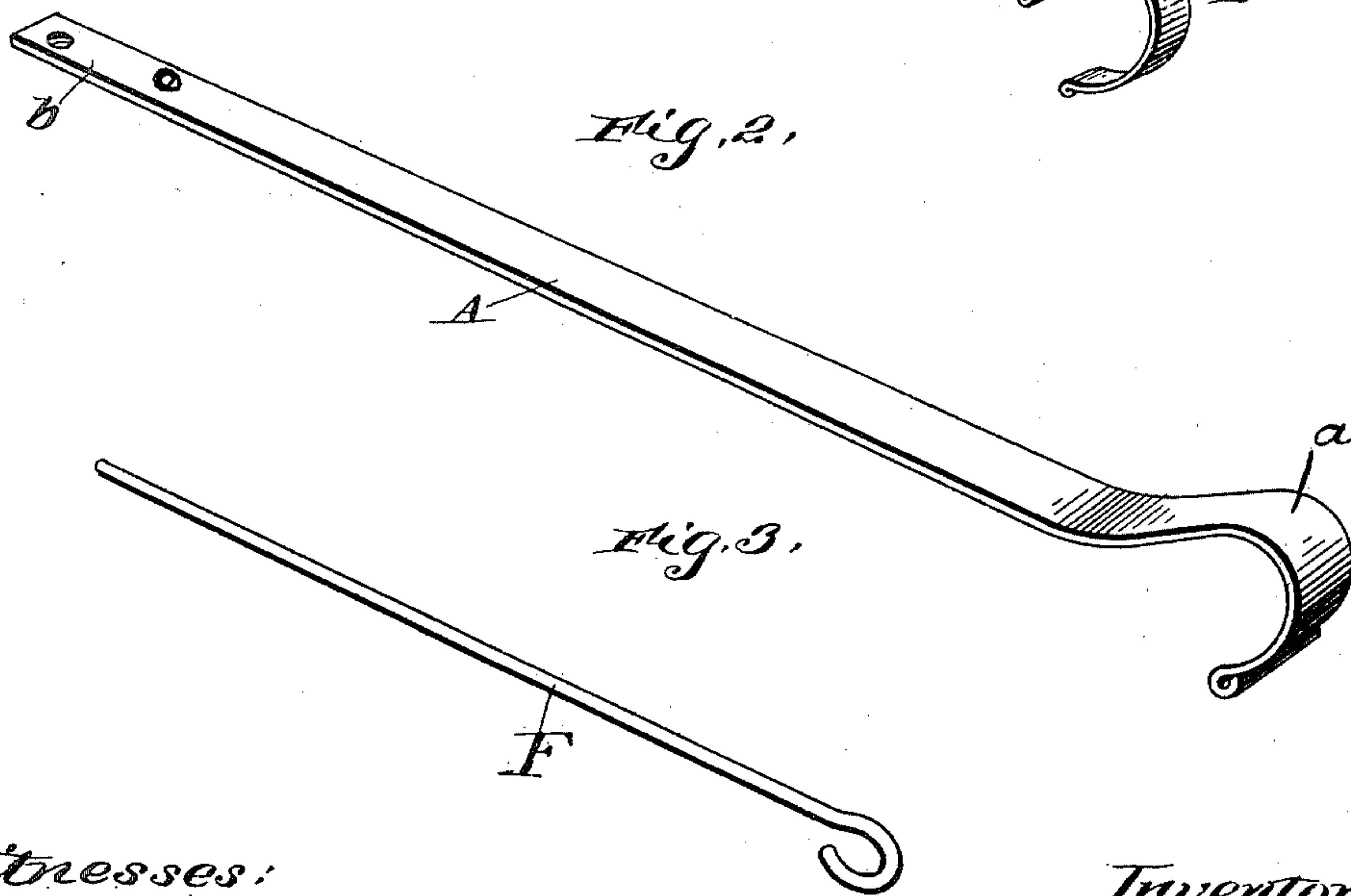
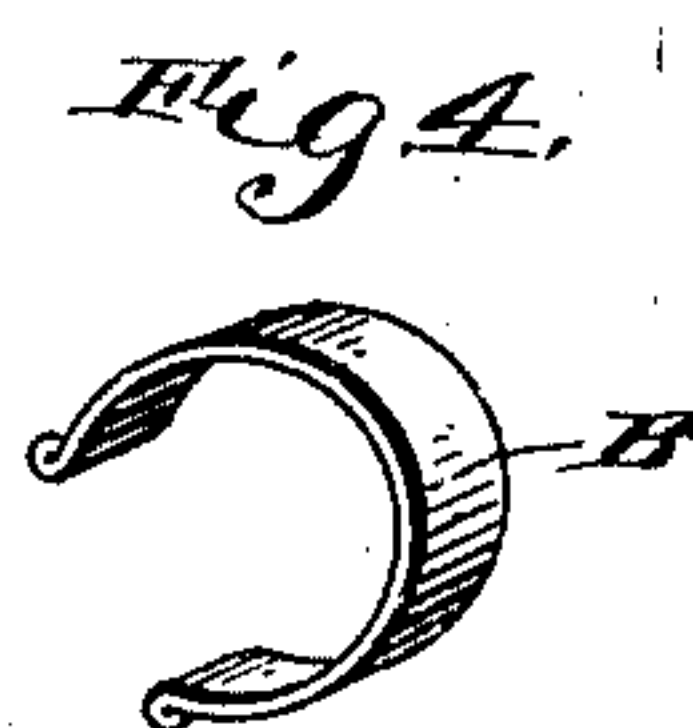
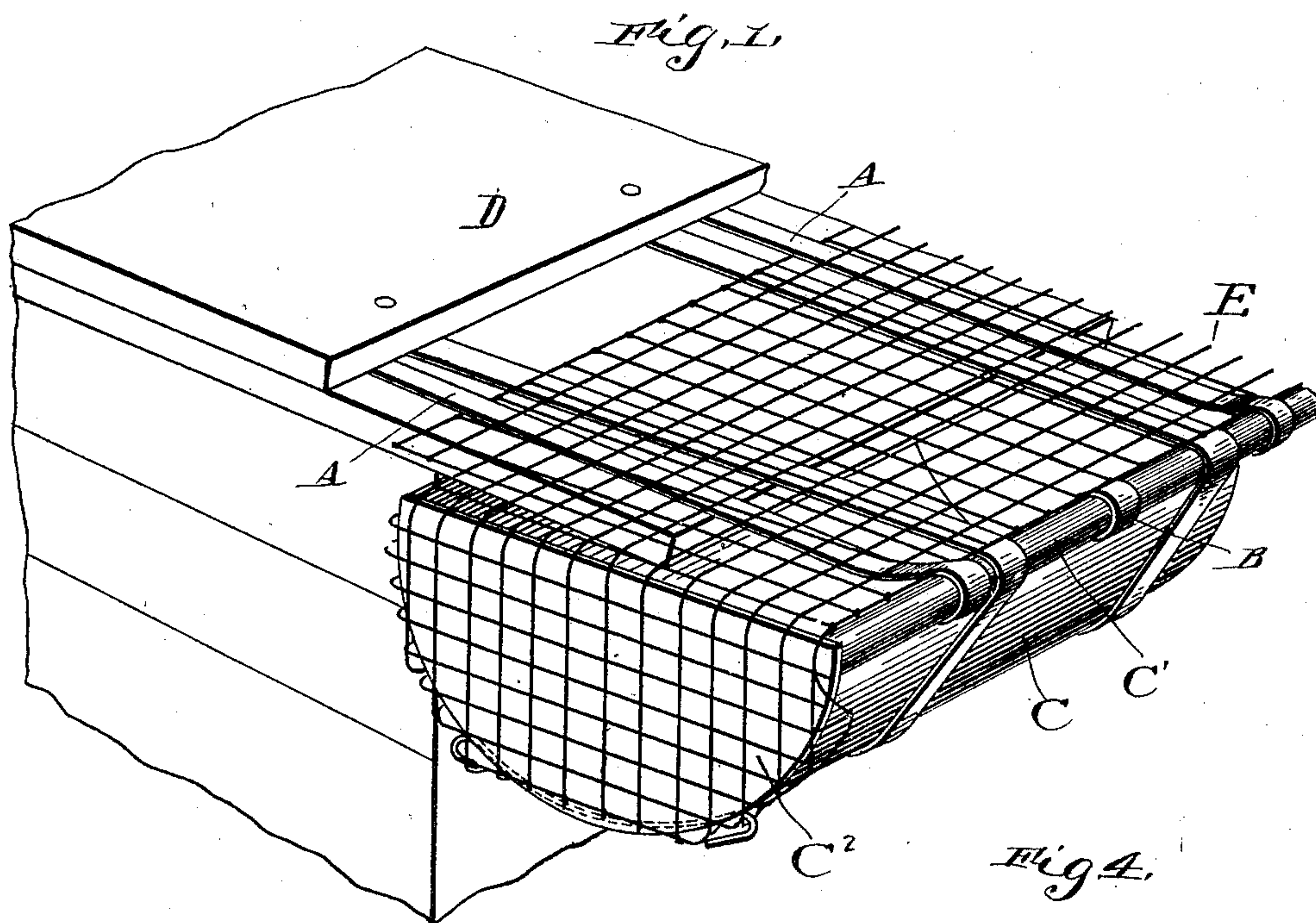


No. 706,333.

Patented Aug. 5, 1902.

W. L. MEUSER.
EAVES TROUGH PROTECTOR.
(Application filed Nov. 13, 1901.)

(No Model.)



Witnesses:

Inventor.

Louise Meuser.
Elizabeth Meuser

William L. Meuser

UNITED STATES PATENT OFFICE.

WILLIAM L. MEUSER, OF ANSON, KANSAS.

EAVES-TROUGH PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 706,333, dated August 5, 1902.

Application filed November 13, 1901. Serial No. 82,123. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM L. MEUSER, a citizen of the United States, residing at Anson, in the county of Sumner and State of Kansas, have invented a new and useful Eaves-Trough Protector, of which the following is a specification.

My invention relates to eaves-trough protectors in which a strip of wire-cloth E, slightly wider than the trough C, to which it is to be applied, extends from the outer edge C' of the trough C to the roof D and is held in place by a main clamp A, Figure 2, and a supplemental clamp B, Fig. 4, and is secured at its ends by a piece of flexible wire F, Fig. 3, as hereinafter more fully set forth; and the objects of my invention are, first, to provide a protection against birds entering the troughs and also to prevent leaves from lodging in them; second, to provide a protector that can be applied on the outside of any hanger now in use, thus overcoming the difficulty of inserting the cloth between the top of the trough and the hanger or cutting the cloth in passing the hanger; third, to provide a protector that can be detached for the purpose of cleaning and painting the inside of the trough.

I attain the objects by mechanism illustrated in the accompanying drawings, in which—

Fig. 1 shows a view of a section of a roof D with an eaves-trough C protected by my eaves-trough protector. Fig. 2 shows a view of the main clamp A, which clamps the lower edge of the strip of cloth E to the beaded edge C' of the trough C and secures the upper edge of the strip of cloth E to the roof D. Fig. 3 shows a piece of flexible wire F used in fastening the ends of the strip of cloth E to the ends of the trough C. Fig. 4 shows a view of the supplemental clamp B, which clamps the lower edge of the strip of cloth E to the beaded edge C' of the trough C.

The strip of wire-cloth E, which I think should be slightly wider than the trough to which it is applied, extends from the outer edge C' of the trough C to the roof D and lies on top of all eaves-trough hangers, thus avoiding the difficulty of inserting it between the top of the trough and the hanger or cutting it in passing the hanger. The end *b* of the clamp A, Fig. 2, grasps the lower horizontal wire of the strip of cloth E and the beaded edge C' of the trough C, clamping them firmly together, and the end *a* of the clamp A, Fig. 2, lies on top of the upper horizontal wire of

the strip of cloth E and is secured to the roof D by inserting it under the shingles or tacking it to the roof through the holes made for that purpose on roofs other than shingle. The clamp B, Fig. 4, grasps the lower horizontal wire of the strip of cloth E and the beaded edge C' of the trough C, thus acting as a supplemental clamp where the wind has the greater effect upon it. The end of the strip of wire-cloth E is bent down over the end of the eaves-trough C. The upper edge of the strip of cloth E is bent down to the rear edge of the eaves-trough C beyond the end of the roof C in such a manner as to close the opening at the rear of the trough C beyond the end of the roof D against birds. One end of the piece of flexible wire F, Fig. 3, grasps the rear edge of the strip of cloth E near the end of the trough C, and the wire then passes beneath the trough C and grasps the other edge of the strip of cloth E, and thus holds it firmly to the trough C. Passing the ends of the piece of flexible wire F through the meshes of the cloth E and then bending them downward is sufficient to hold the strip of cloth E to the end of the trough C. Openings left at the rear of the trough must be chocked with molding or such material as the nature of the case requires.

I am aware that prior to my invention eaves-trough protectors in which a strip of wire-cloth closes the opening of the trough have been made. I therefore do not claim to be the first inventor of such a combination; but

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

In an eaves-trough protector the combination of a strip of wire-cloth, slightly wider than the eaves-trough to which it is to be applied, a clamp A one end of which clamps the lower edge of the cloth to the beaded edge of the trough and the other end is secured to the roof and clamps the upper edge of the cloth thereto, a supplemental clamp B applied to the lower edge of the cloth and the beaded edge of the trough and a piece of flexible wire fastening the strip of cloth about the end of the trough, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM L. MEUSER.

Witnesses:

LOUISE K. MEUSER,
ELIZABETH MEUSER.