

(No Model.)

M. M. HITT.  
EAVES TROUGH PROTECTOR.

No. 550,173.

Patented Nov. 19, 1895.

Fig. 1.

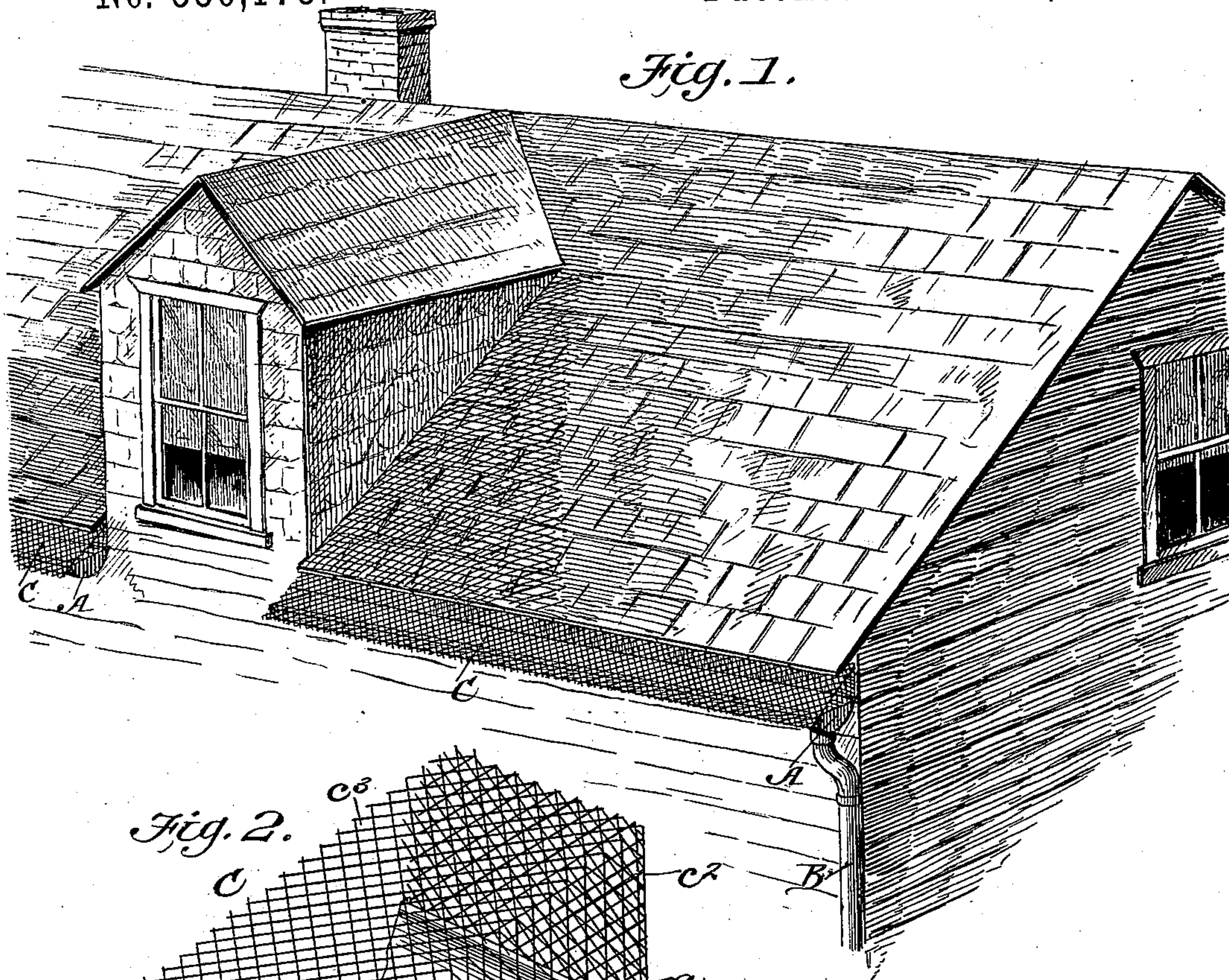


Fig. 2.

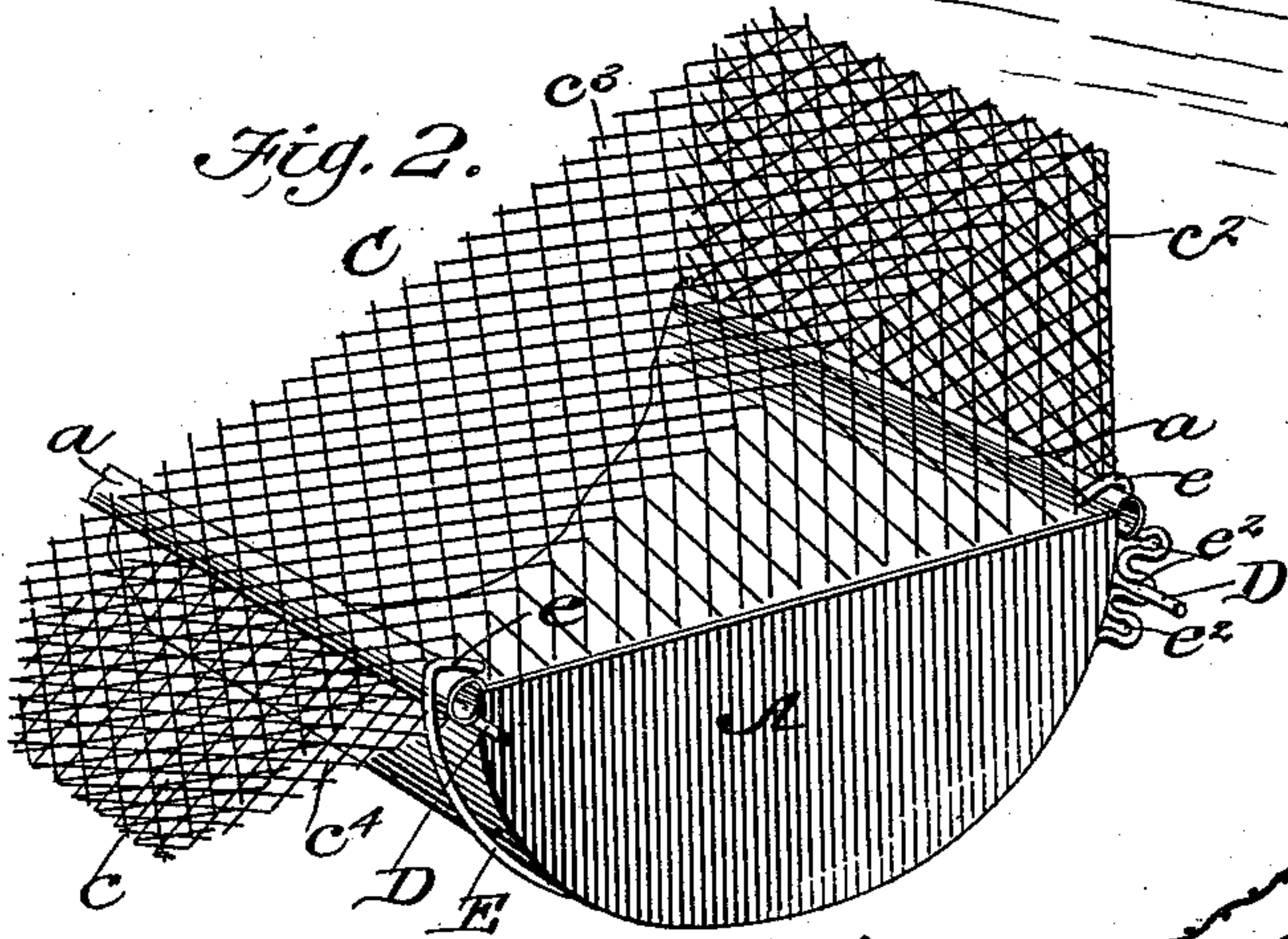
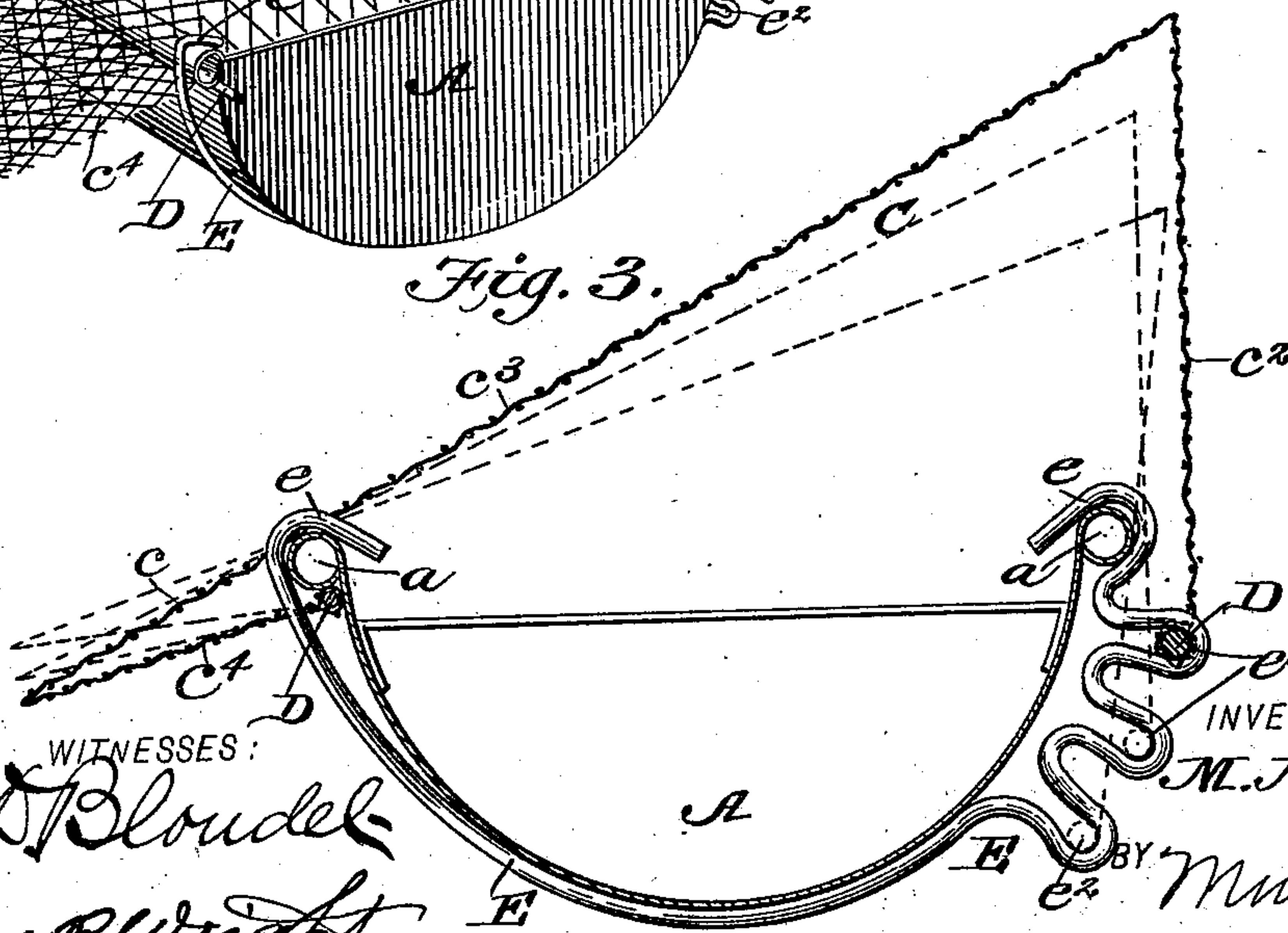


Fig. 3.



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## EAVES-TROUGH PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 550,173, dated November 19, 1895.

Application filed August 19, 1895. Serial No. 559,765. (No model.)

*To all whom it may concern:*

Be it known that I, MARCELLUS M. HITT, of Luray, in the county of Page and State of Virginia, have invented a new and useful Improvement in Eaves-Trough Protectors, of which the following is a specification.

My invention relates to improvements in eaves-trough protectors, and has for its object to provide a protector which will prevent birds from building nests over the trough, and which will also keep the droppings of birds, leaves, trash, and other foreign matter out of the trough.

A further object of the invention is to provide means for readily attaching the protector to the eaves-trough and adjusting it to the pitch of the roof to which the eaves-trough is applied.

The invention consists of a protector of reticulated material of a width greater than the trough and projecting beyond one edge thereof.

The invention further consists of a protector extending over the trough and having its front edge fixedly secured to the outer edge of the trough and its rear edge vertically adjustably secured to the inner edge of the said trough.

The invention also consists in the particular construction and arrangement of parts as hereinafter fully described, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference refer to corresponding parts in all the views.

Figure 1 is a perspective view of a portion of a building having my improvement applied. Fig. 2 is a perspective view, broken away, of the improvement; and Fig. 3 is a transverse section of the same.

In the drawings, A is an eaves-trough provided with the usual beads *a* along its edges and suspended under the eaves of the roof and connected with the downtake-pipe B in the ordinary manner, and about all of which there is nothing new.

The protector C, of reticulated material, preferably wire-gauze, is secured to opposite sides of the trough, so as to extend over the same. The protector inclines downwardly and outwardly, and its front edge *c* projects

beyond the trough, as shown, and for a purpose hereinafter set forth.

The protector C is preferably formed by bending the wire-gauze to the shape shown in the drawings, wherein it has a vertical rear side *c*<sup>2</sup>, the inclined face portion *c*<sup>3</sup>, and the downwardly and inwardly projecting portion *c*<sup>4</sup>, extending from the front edge *c* of the inclined face *c*<sup>3</sup>. In the lower edge of the vertical side *c*<sup>2</sup> and the inner edge of the portion *c*<sup>4</sup> of the protector rods D are secured, and by means of which and the holders E the protector is secured to the trough. The holders E extend under the trough and have hook-shaped ends *e*, which engage the beads *a* of the trough, and the ends of the rods D, which project beyond the ends of the protector, lie between the holders and the trough, as shown in the drawings.

In order to adjust the inclination of the protector, each holder E is formed in one side with a series of notches or seats *e*<sup>2</sup>, in any one of which the ends of the rods D may be placed to vary the inclination of the protector. While the holders E are preferably formed of wire bent to form the seats, as shown, yet it is manifest that they may be otherwise formed without departing from the spirit of my invention.

From the above-described construction it will be seen that my improved protector can be quickly and readily applied to an eaves-trough and that it can be adjusted to give it the same inclination as the roof to which the eaves-trough is applied. It will also be seen that when applied it will effectually prevent birds from building nests over the trough and that it will also exclude leaves, trash, and the like from the trough. The protector being inclined will also prevent leaves and other trash from lodging thereon, and the portion projecting beyond the trough will serve as a rest for birds, thereby preventing them sitting directly over the trough and depositing their droppings therein.

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

1. An eaves trough protector, formed of reticulated material and of a width considerably greater than the width of the trough to which it is to be applied, whereby when ap-



plied its front edge will extend beyond the edge of the trough to form a rest or support for birds, substantially as described.

2. The combination with an eaves trough, of a protector of reticulated material, secured to the trough in an inclined position over the same, the front edge of the protector extending beyond the edge of the trough and forming a rest or support, substantially as and for the purpose set forth.

3. The combination with an eaves trough, of a protector of reticulated material, extending across the trough and having its front edge fixedly secured to the outer edge of the trough and its rear edge vertically adjustably connected with the inner edge of the said trough, whereby the protector can be given the same inclination as the roof to which the trough is applied, substantially as and for the purpose set forth.

4. The combination with an eaves trough, of a protector of wire gauze of a width greater than that of the trough and formed with a vertical rear side, the front edge of the protector being fixedly secured to the trough, and means for adjustably securing the lower edge of the vertical side to the trough, substantially as described.

5. In an eaves trough protector, the combination with an eaves trough, of a protector of wire gauze provided in its edges with rods whose ends project beyond the ends of the

protector, and holders secured to the trough, each holder being provided in one side with a plurality of seats for the projecting ends of the said rods, substantially as described.

6. In an eaves trough protector, the combination with an eaves trough, of a protector of wire gauze and having rods in its edges, said rods projecting beyond the ends of the protector, and holders provided with hooks at their ends engaging the edges of the trough, each holder being provided with a plurality of seats to receive the ends of the rods, substantially as described.

7. An eaves trough protector, comprising a body of wire gauze of greater width than the trough to which it is to be applied bent as described and provided with rods in its edges, said rods projecting beyond the ends of the protector, substantially as described.

8. An eaves trough protector, comprising a body of wire gauze bent as described and provided in its edges with rods projecting beyond the ends of the body, and holders provided with hooks at their ends for attaching them to the trough, and with a plurality of seats for the ends of the rods, substantially as described.

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