

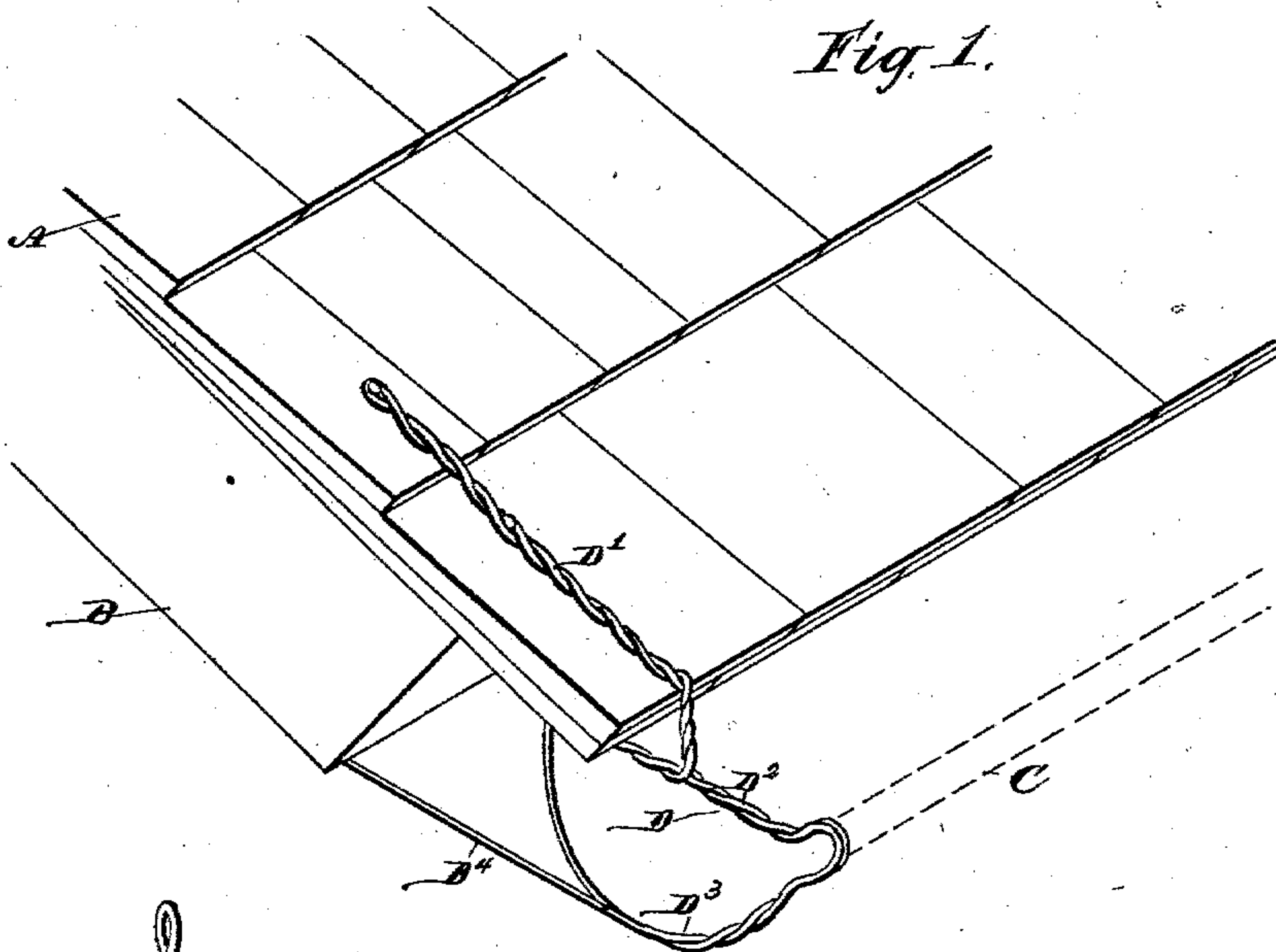
No. 720,743.

PATENTED FEB. 17, 1903.

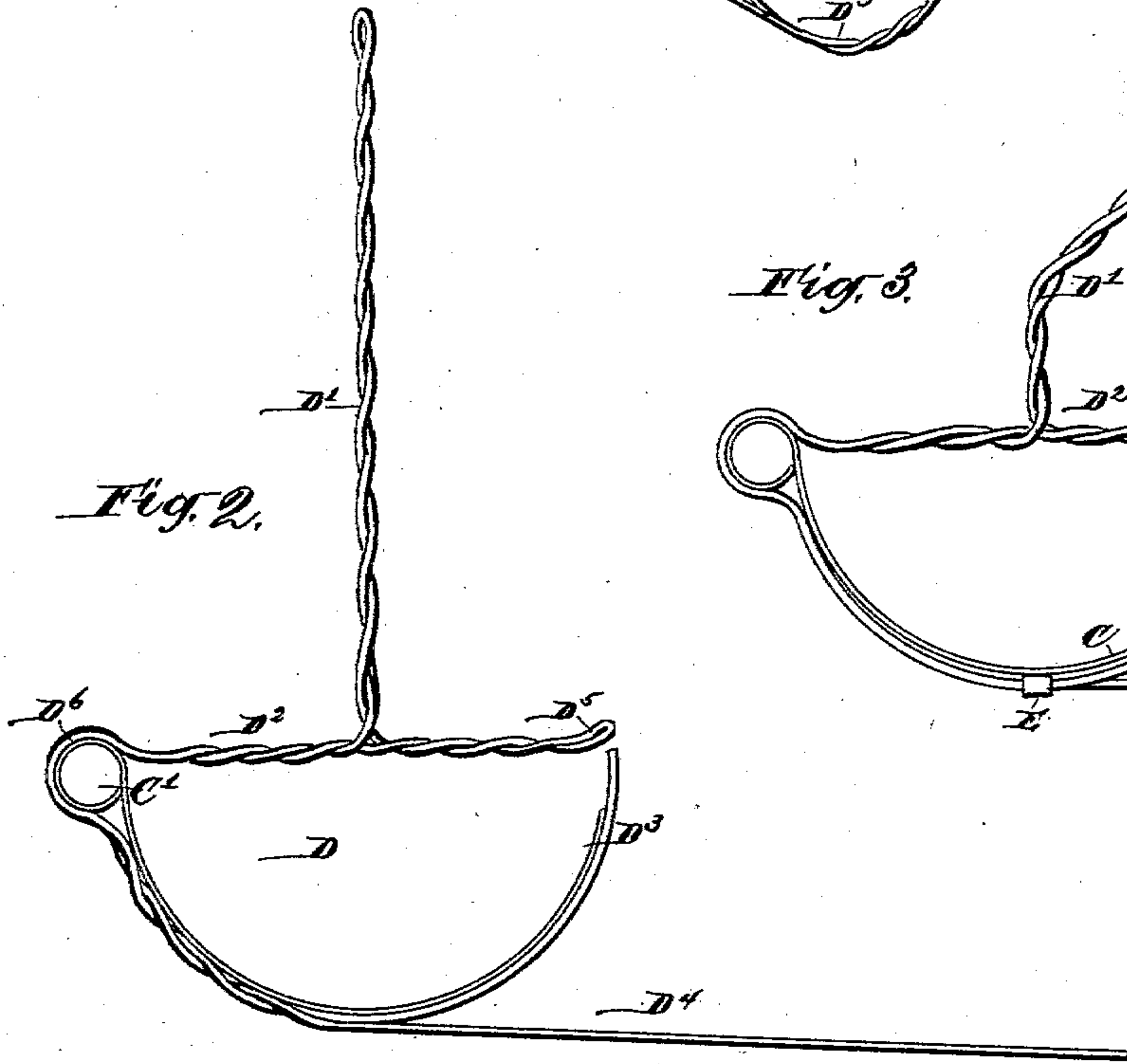
A. A. SCHRODER.  
EAVES TROUGH HANGER.  
APPLICATION FILED AUG. 21, 1902.

NO MODEL.

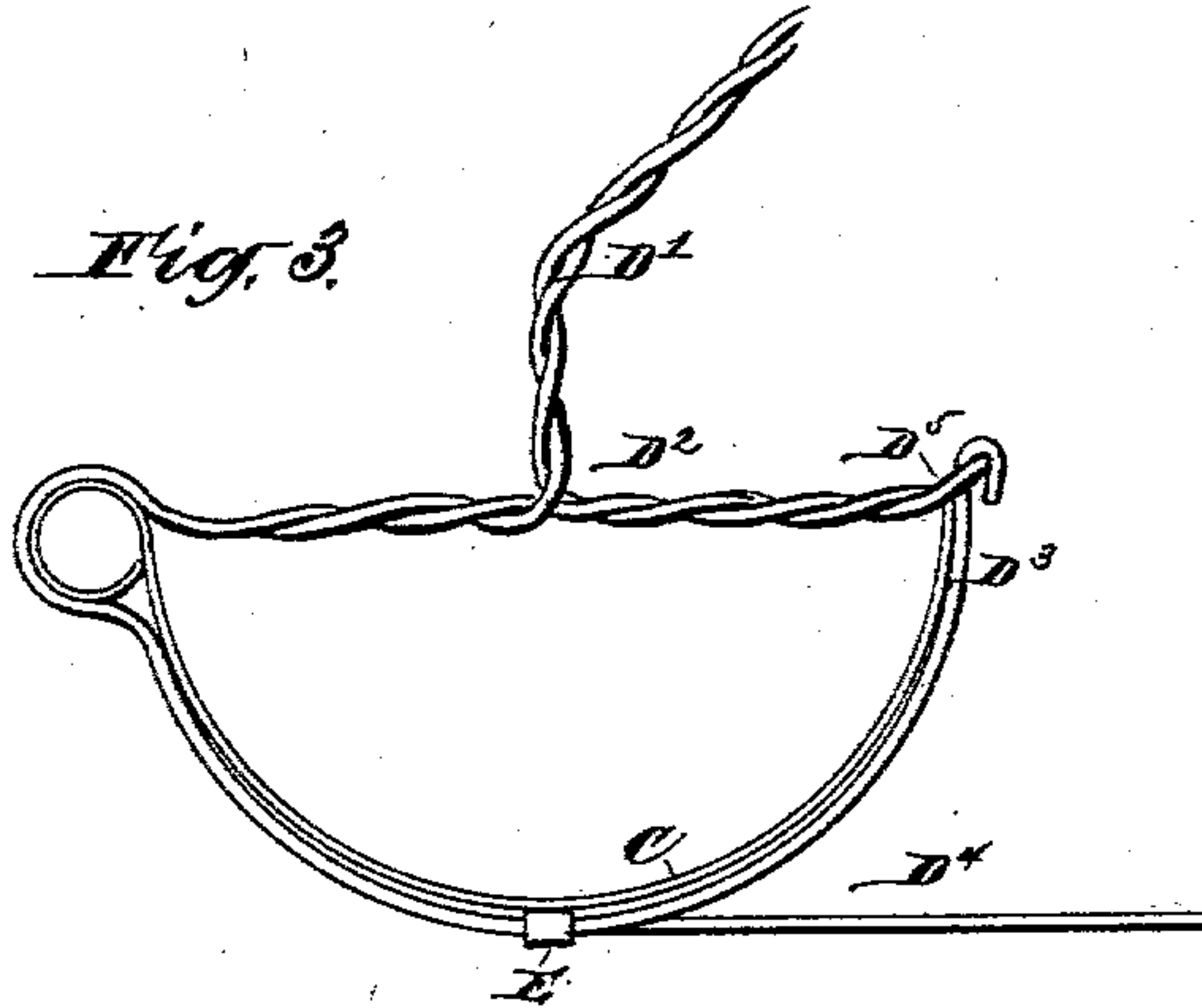
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses

John C. Heald.  
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# UNITED STATES PATENT OFFICE.

ANSON A. SCHRODER, OF VANHORN, IOWA.

## EAVES-TROUGH HANGER.

SPECIFICATION forming part of Letters Patent No. 720,743, dated February 17, 1903.

Application filed August 21, 1902. Serial No. 120,606. (No model.)

*To all whom it may concern:*

Be it known that I, ANSON A. SCHRODER, a citizen of the United States, residing at Vanhorn, in the county of Benton and State of Iowa, have invented certain new and useful Improvements in Eaves-Trough Hangers, of which the following is a specification.

The object of this invention is to provide a cheap and simple support for eaves-troughs and so constructed as to hold the trough rigidly in position securely braced against the action of the wind.

The nature of the invention will clearly appear from the description and claim following, reference being had to the accompanying drawings, in which—

Figure 1 is a view of a device embodying my invention as in use. Fig. 2 is an enlarged side view of the same. Fig. 3 is a similar view, but with a slight modification in construction.

Referring to Fig. 1, A designates the roof, and B the cornice, of a building. The eaves-trough C is indicated in dotted lines in this figure and in full outline in the other figures. The eaves-trough hanger D is formed of wire and comprises a twisted stem D', adapted to be nailed fast to the roof, a cross-piece D<sup>2</sup>, branching at right angles and in opposite directions from this stem, a semicircular part D<sup>3</sup>, conforming to the curve of the trough, and a lateral branch D<sup>4</sup>, springing therefrom and adapted to be attached to the cornice B.

In practice the hanger is preferably made in the form shown in Fig. 2, with a straight stem, which is bent to the desired shape when the hanger is attached to the roof. The cross-piece terminates in a loop D<sup>5</sup> to take the end of the curved wire D<sup>3</sup>, which is finally hooked over it, as shown in Fig. 3. It will be noticed that this end of the cross-piece turns up a little, so that when the trough is fastened in position in the hanger the thin edge of the trough is drawn into a sharp angle between the parts D<sup>3</sup> and D<sup>2</sup>, and thus securely held in place.

The twisting of the wires composing the hanger is discontinued at D<sup>6</sup>, where it passes nearly around the bead C' of the trough, the two parallel wires making a neater finish here than would twisted wires. Below the bead the wires are preferably, but not necessarily, twisted a part of the way, but separate at about the middle of the curve, from which point the part D<sup>4</sup> extends at a tangent. Instead of being twisted together in this manner, however, the extension D<sup>4</sup> might be attached to the other wire by a clip E or otherwise.

The extension D<sup>4</sup> greatly increases the efficiency of the hanger, as it affords a lateral brace to resist the pressure of the wind against the trough. The effect of this wind-pressure without such brace is to create a vibration in the trough, which is both annoying in itself and liable to gradually wear the suspending-stems in two and allow the trough to fall. The extension also keeps the trough with its two sides level, which is not always possible with a single central stem to the hanger.

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

As a new article of manufacture, an eaves-trough hanger composed of a single piece of wire, looped and twisted, substantially as shown, the looped portions forming a tail-piece for attachment to a roof, and a cross-bar over a gutter, the remainder of the hanger being curved to take the outline of a gutter on its outer side, one end of wire following it to a connection with the loop of the cross-bar, and the other end of wire being extended at a tangent from the bottom of the curve, to form a brace for the hanger.

In testimony whereof I affix my signature in presence of two witnesses.

ANSON A. SCHRODER.

Witnesses:

J. F. GROAT,  
WM. GLENN.