

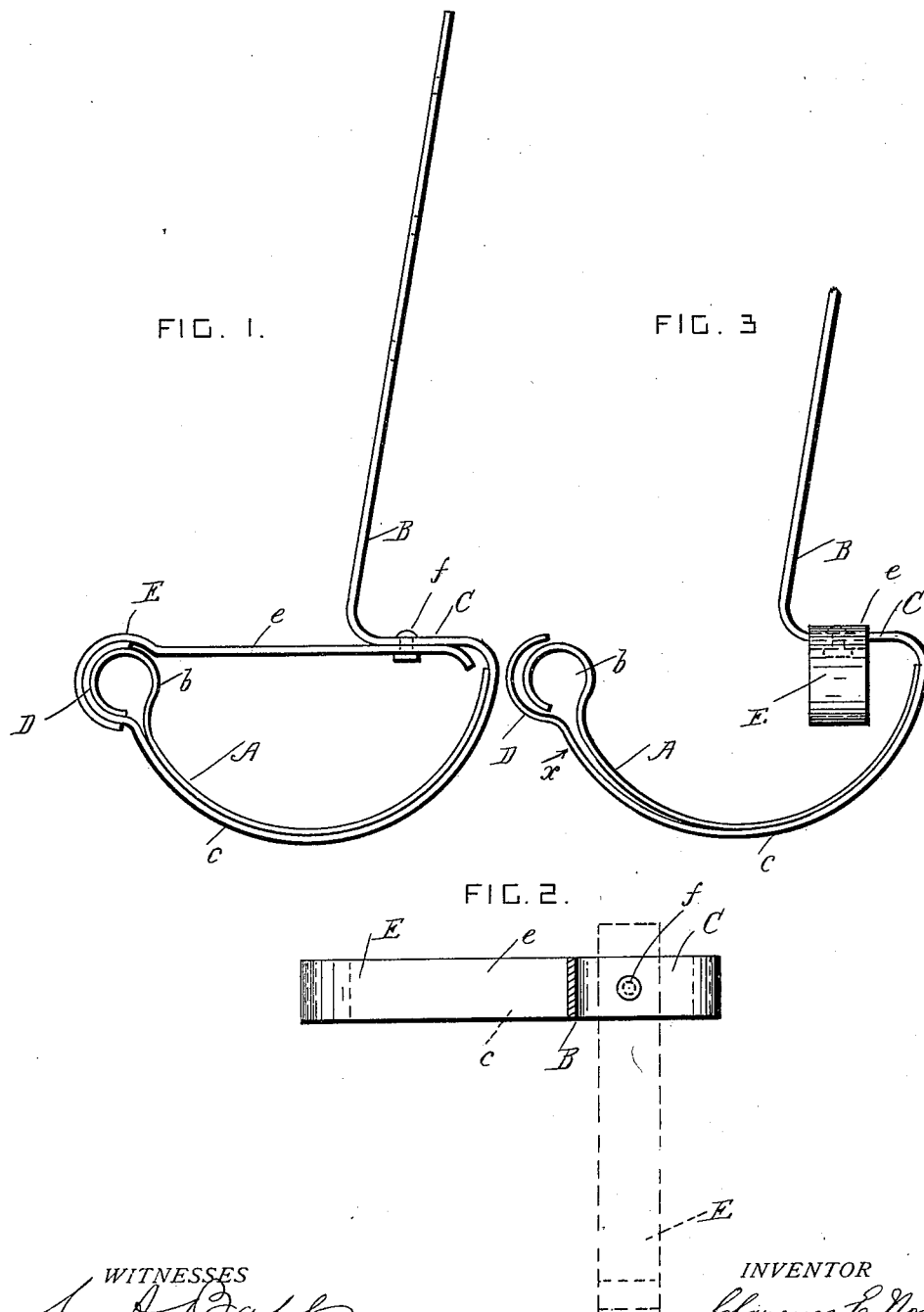
No. 648,631.

Patented May 1, 1900.

C. E. NORTH.  
EAVES TROUGH HANGER.

(Application filed July 11, 1899.)

(No Model.)



WITNESSES  
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# UNITED STATES PATENT OFFICE.

CLARENCE EUGENE NORTH, OF MEADVILLE, PENNSYLVANIA.

## EAVES-TROUGH HANGER.

SPECIFICATION forming part of Letters Patent No. 648,631, dated May 1, 1900.

Application filed July 11, 1899. Serial No. 723,450. (No model.)

*To all whom it may concern:*

Be it known that I, CLARENCE EUGENE NORTH, a citizen of the United States, residing at Meadville, in the county of Crawford and State of Pennsylvania, have invented certain new and useful Improvements in Eaves-Trough Hangers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to eaves-trough hangers; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is an end view of the hanger in its closed position. Fig. 2 is a plan view of the same. Fig. 3 is an end view showing the hanger when open.

A is a portion of an eaves-trough provided with a bead *b* along its front edge.

B is the main portion of the hanger, comprising an arm for attachment to the roof, a horizontal rearwardly-projecting portion C at the lower end of the arm, and a spring-loop *c* extending from the rear end of the horizontal portion C under the trough and having a hook D at its front end which may be pressed into contact with the bead of the trough.

The arm of the hanger is secured to the roof in any approved manner, and the eaves-trough is placed in the loop *c* either by springing the loop outward, so that the hook D will clear the bead, or by sliding the eaves-trough longitudinally into the loop. When placed in the loop the hook D is normally held out of contact with the bead *b* of the eaves-trough, as shown in Fig. 3.

E is a guard-hook provided with a shank *e*, which is connected to the horizontal portion C of the hanger by a pivot *f*.

The guard-hook E is placed out of engagement with the hook D, as shown in Fig. 3 and in dotted lines in Fig. 2, so that the eaves-trough may be placed in the loop.

After the eaves-trough has been placed in position with its end portion resting in the loop, as shown in Fig. 2, the loop *c* is sprung

rearward by hand by pressing against its front portion until the hook D is in contact with the bead *b* of the eaves-trough, and the hook E is then turned on its pivot and is slipped over the hook D, as shown in Figs. 1 and 2. The loop *c* springs outward a little on being released and holds the two hooks tightly interlocked and the eaves-trough is held firmly in the hanger. The two hooks cannot be disengaged by the weight of snow or other heavy material pressing downward on the eaves-trough, and the eaves-trough is thus securely held in position.

In order to release the eaves-trough, the hook D must be pressed rearward by pushing against the front part of the spring-loop at *x* and springing it backward sufficiently to permit the guard-hook to be turned back on its pivot.

What I claim is—

1. In an eaves-trough hanger, the combination, with a supporting-arm having a rearwardly-projecting portion and a spring-loop which extends under the eaves-trough and terminates in a hook; of a disengageable guard-hook pivoted to the under side of the said rearwardly-projecting portion and adapted to be turned on its pivot and slipped over the aforesaid hook when same is sprung rearwardly against the bead of the eaves-trough, substantially as set forth.

2. An eaves-trough hanger formed of two parts which are pivoted together and provided at their front ends with interlocking hooks which overlap the bead of the eaves-trough, one of the said parts being provided with a spring-loop which extends under the eaves-trough and presses the inner hook outwardly against the outer hook, and holds the inner hook clear of the bead of the eaves-trough when the hooks are disconnected, substantially as set forth.

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

CLARENCE EUGENE NORTH.

Witnesses:

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