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PATENTED OCT. 27, 1903.

H. E. ADAMS & J. MULVEY.

EAVES TROUGH HANGER.

APPLICATION FILED MAR. 14, 1903.

NO MODEL.

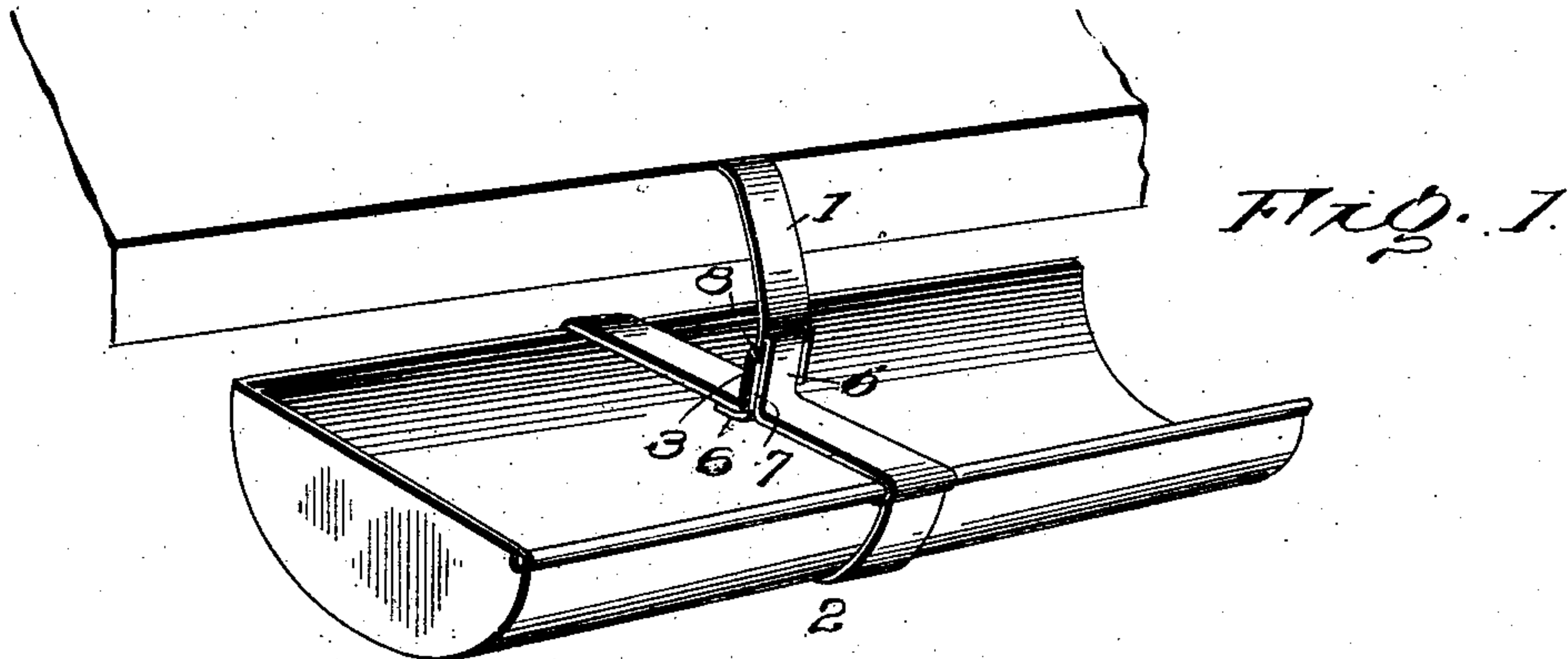


FIG. 1.

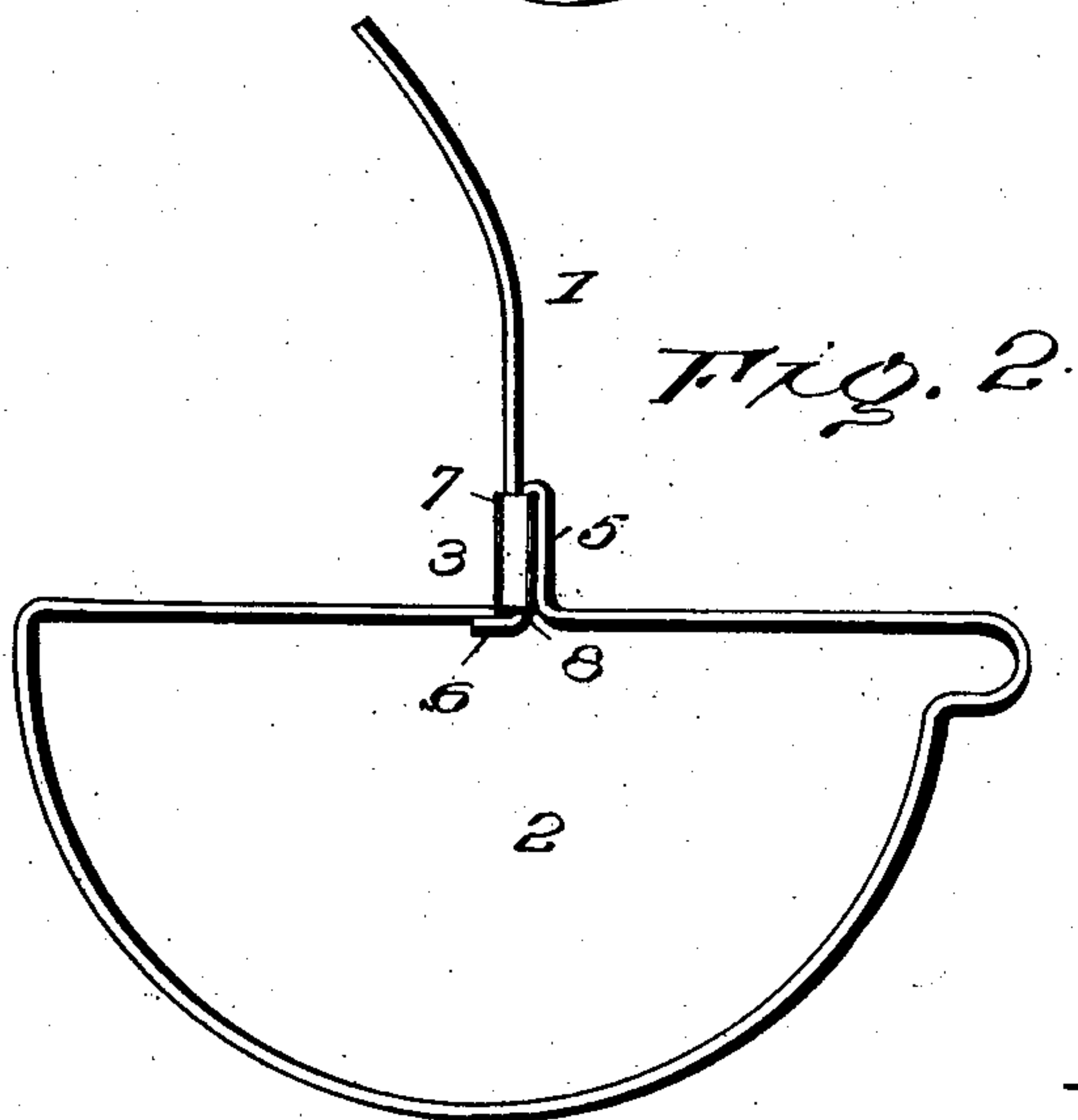


FIG. 2.

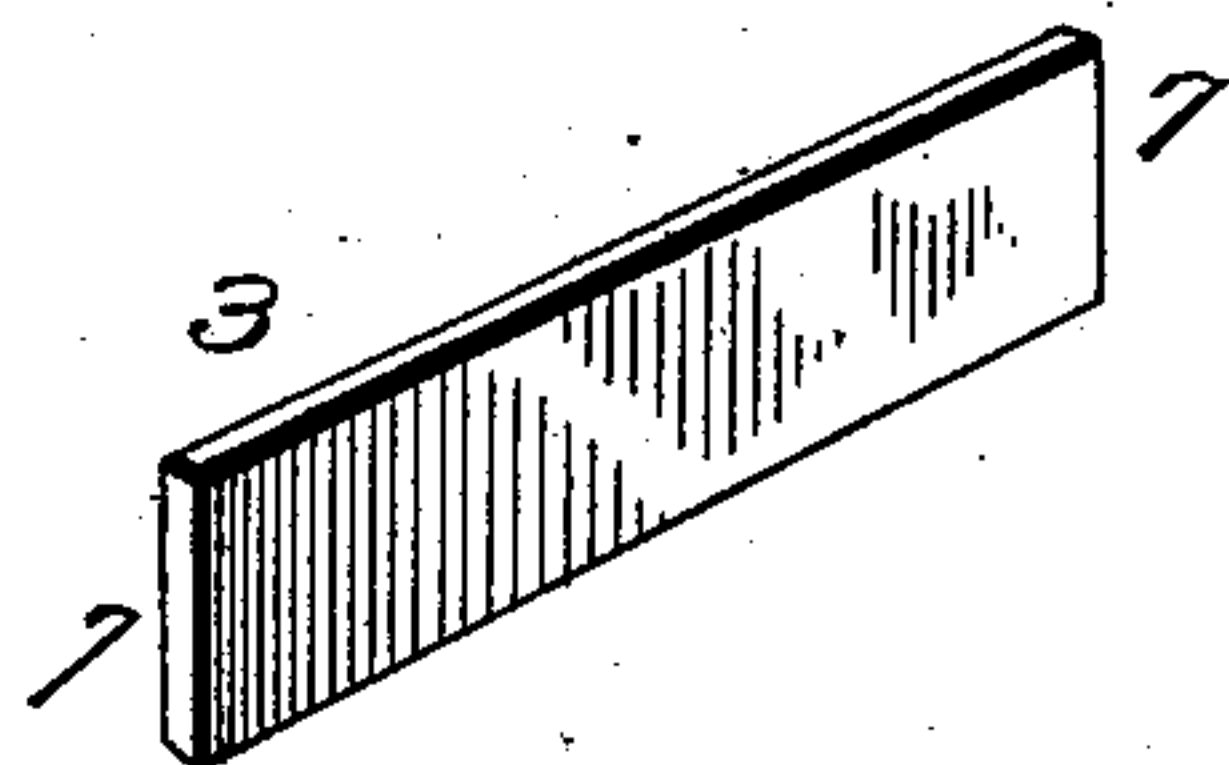


FIG. 4.

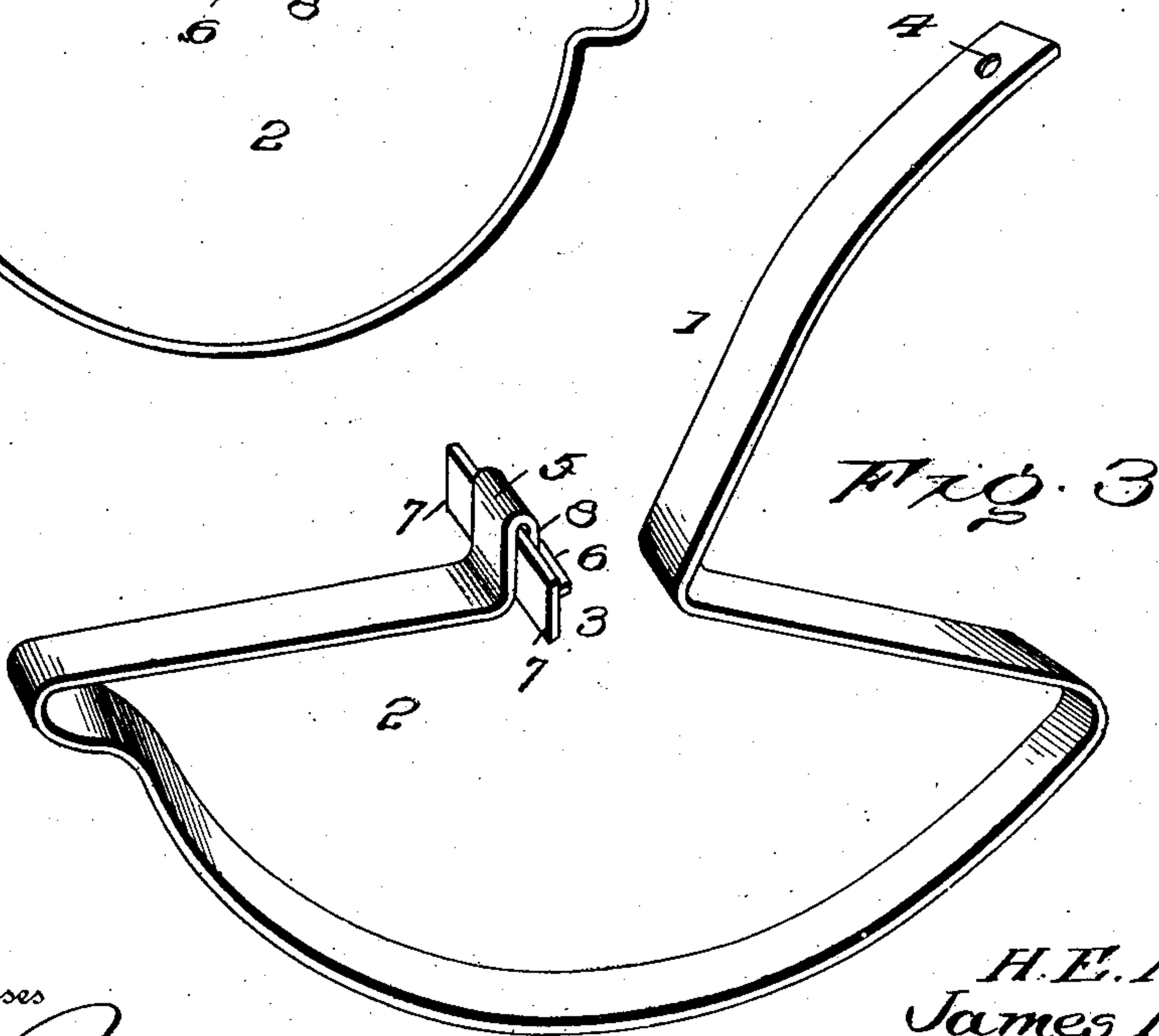


FIG. 3.

Witnesses

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# UNITED STATES PATENT OFFICE.

HARRY E. ADAMS AND JAMES MULVEY, OF ASHTABULA HARBOR, OHIO.

## EAVES-TROUGH HANGER.

SPECIFICATION forming part of Letters Patent No. 742,371, dated October 27, 1903.

Application filed March 14, 1903. Serial No. 147,838. (No model.)

*To all whom it may concern:*

Be it known that we, HARRY E. ADAMS and JAMES MULVEY, citizens of the United States, residing at Ashtabula Harbor, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in Eaves-Trough Hangers, of which the following is a specification.

This invention is especially designed to provide a simple and cheap hanger for supporting eaves-troughs of buildings, being adapted, however, for use as supporting means for pipes and analogous purposes. The device is comprised of a metallic strap folded in a peculiar manner to form a supporting-loop and assembled so as to form a compact article of great strength and rigidity when in position.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view showing the device applied. Fig. 2 is a side elevation of the hanger. Fig. 3 is a perspective view showing the hanger preparatory to using in suspending a trough. Fig. 4 is a detail perspective of a keeper.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The device is preferably made from a metallic strip and comprises an attaching portion 1, suspending-loop 2, and a keeper element 3, by which the suspending-loop is supported. The attaching portion 1 is provided with a perforation or perforations 4, by which the hanger is attached to the building or to whatever it may be applied. The strap is bent first to form the suspending-loop 2, the end portion 5 being bent upwardly and extending approximately in contact with the attaching portion 1 and is folded upon itself and extends beneath the initial bend of the loop as the latter extends from the attaching

portion 1. The portion of the end of the strap which extends beneath the attaching portion 1 constitutes a stop 6 to limit the downward movement of the said attaching portion.

In order to constitute a more rigid construction, the horizontal portions of the strap, which form the upper side of the loop 2, are arched in a manner which will be readily noted. The keeper 3 consists of a metallic strip, having its end portions 7 bent so as to embrace the attaching portion 1, the body of the keeper being inclosed within the fold 8 upon the end of the strip. It will thus be seen that the stop 6, which is an extension of the fold 8, is disposed beneath the attaching portion 1 of the hanger and supports this portion in a manner which has been before premised. The keeper prevents any downward movement of the fold, since it clamps the fold to the attaching portion 1. The end portions of the keeper impinge against the upper side of the loop, and by so doing the said keeper cooperates with the strip 6 to substantially lock the end of the strap forming a part of the upper portion of the loop 2 to the attaching portion.

The device embodies a simplicity of structure and a minimum number of parts and is easily applied and readily disengaged when desirable.

Having thus described the invention, what is claimed as new is—

1. A hanger consisting of a strap bent to form an attaching portion and a suspending-loop, the lower end of the said strap being folded to form a stop, and a keeper for securing the said end to the attaching portion of the hanger, substantially as described.

2. In a hanger of the character described, and comprising a strap bent to form an attaching portion and a suspending-loop, a fold provided at the end of the suspending-loop, and a keeper embraced by the said fold and having its end portions embracing the attaching portion of the hanger, substantially as described.

3. In a hanger of the character described, and consisting of a strap bent to form an attaching portion and a suspending-loop and having its lower end bent to extend approximately in contact with the said attaching portion and provided with a stop extending beneath the said attaching portion, and a keeper

adapted to secure the end portion of the strap to the aforesaid attaching portion, substantially as described.

4. In a hanger of the character described,  
5 and consisting of a strap bent to form an attaching portion and a suspending-loop and having its end portion provided with a fold extending approximately in contact with the attaching portion and further extended to  
10 form a stop below the attaching portion, and a keeper having its body portion disposed

within the aforesaid fold and embracing the attaching portion, whereby the said folded end portion is secured to the attaching portion of the hanger, substantially as described. 15

In testimony whereof we affix our signatures in presence of two witnesses.

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