

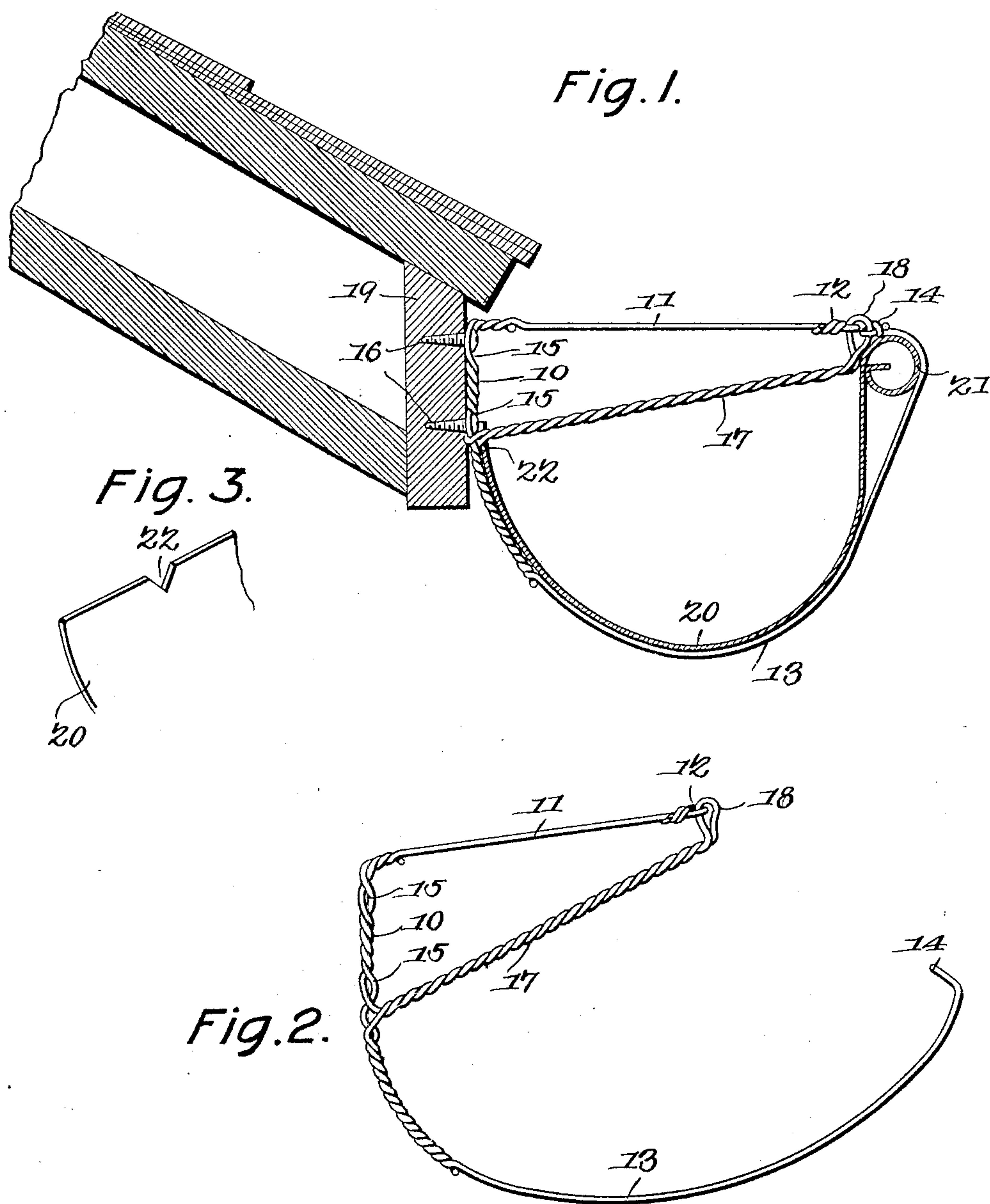
No. 803,477.

PATENTED OCT. 31, 1905.

H. K. FLOWERS.
EAVES TROUGH SUPPORTING BRACKET.

APPLICATION FILED JUNE 8, 1905.

2 SHEETS—SHEET 1.



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Fig. 4.

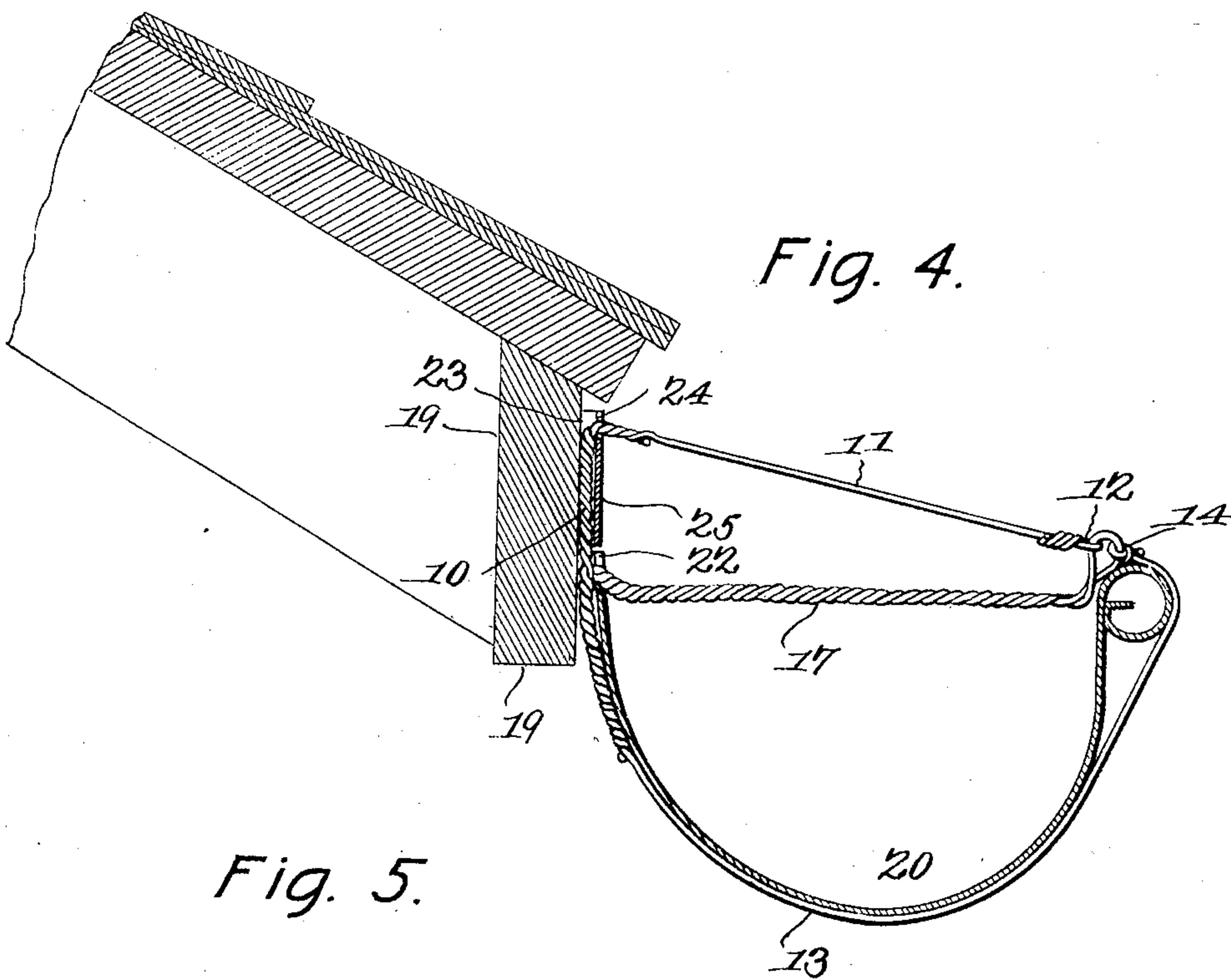


Fig. 5.

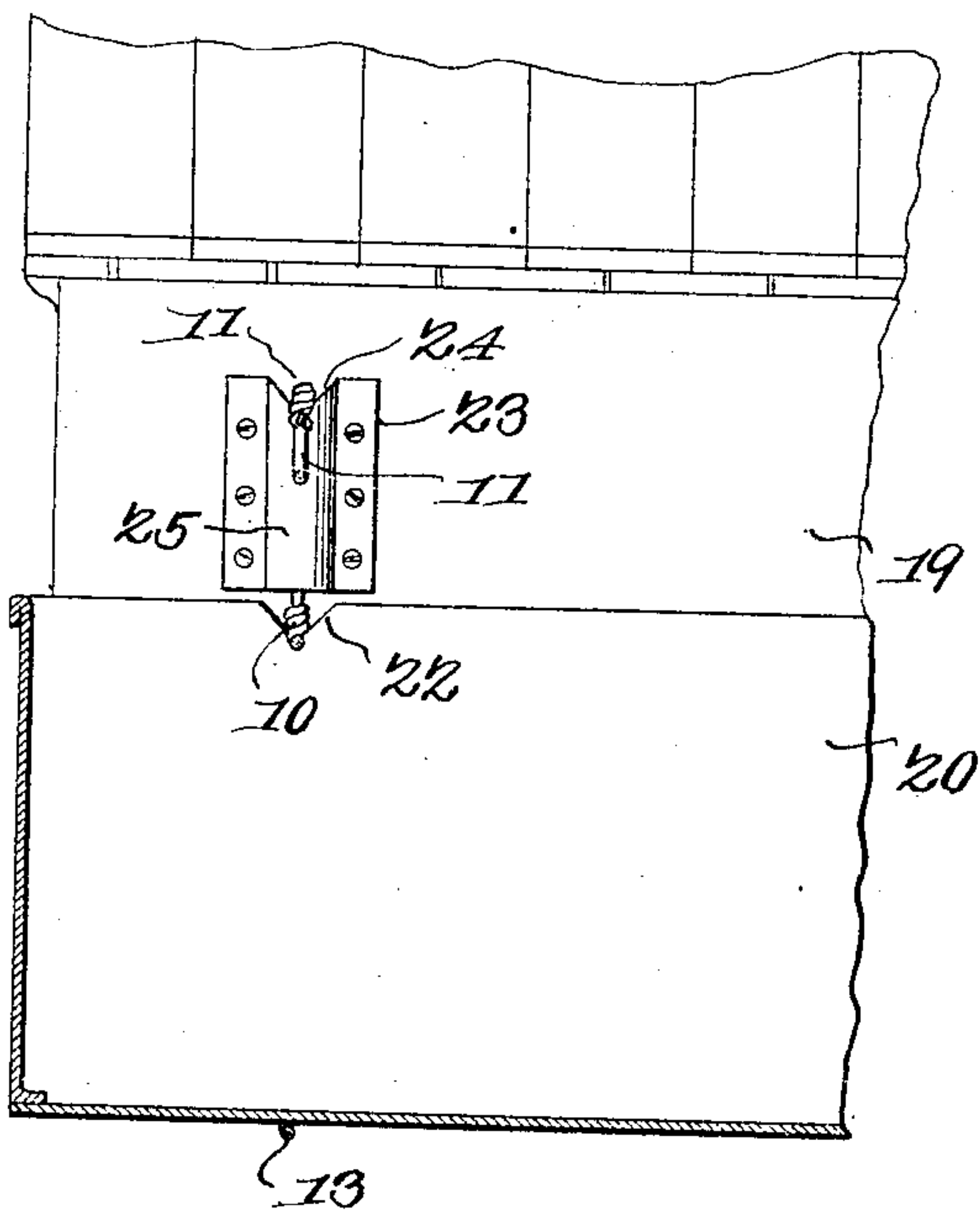
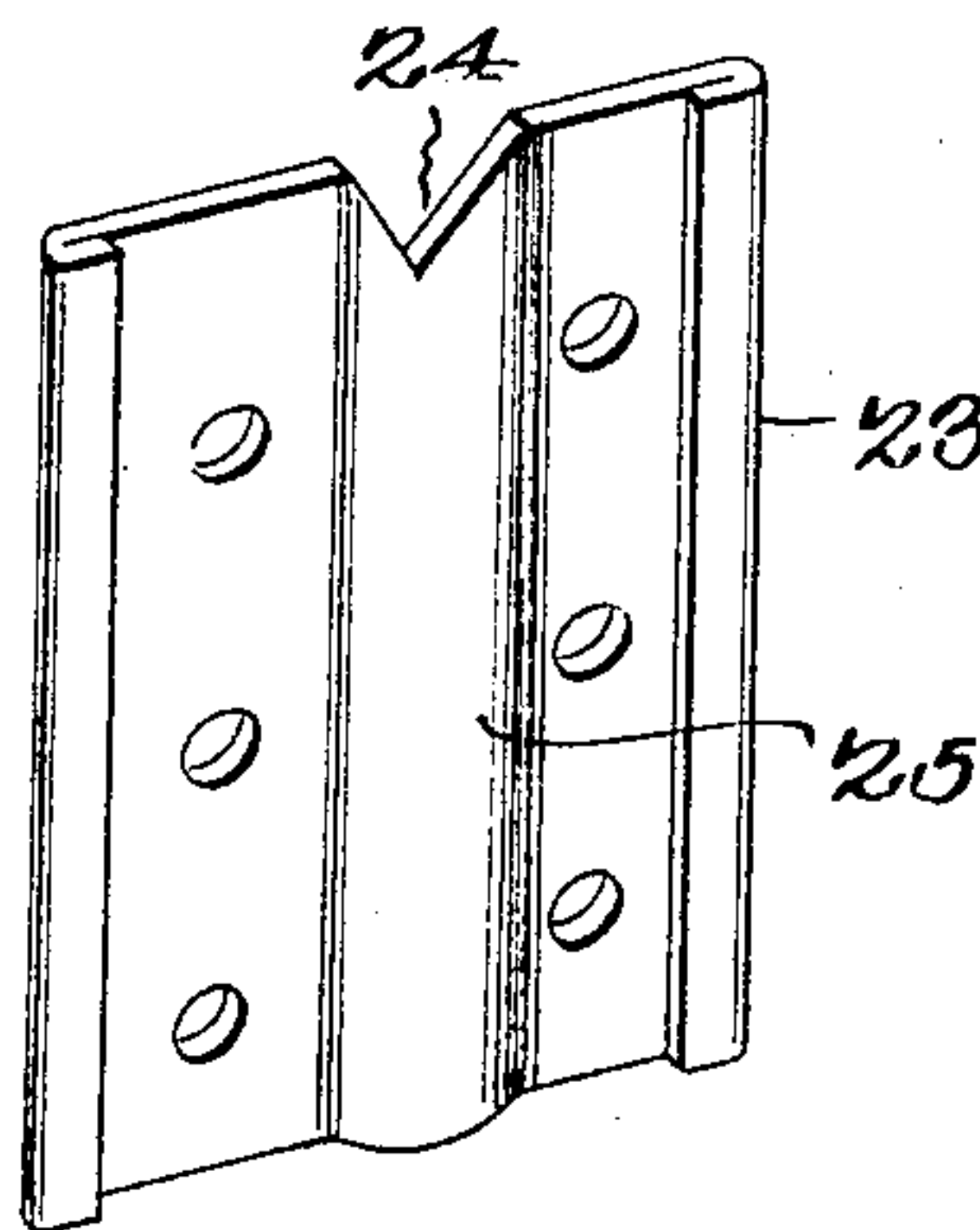


Fig. 6.



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UNITED STATES PATENT OFFICE.

HARRY K. FLOWERS, OF BEVERLY, OHIO.

EAVES-TROUGH-SUPPORTING BRACKET.

No. 803,477.

Specification of Letters Patent.

Patented Oct. 31, 1905.

Application filed June 8, 1905. Serial No. 264,301.

To all whom it may concern:

Be it known that I, HARRY K. FLOWERS, a citizen of the United States, residing at Beverly, in the county of Washington and State of Ohio, have invented a new and useful Eaves-Trough-Supporting Bracket, of which the following is a specification.

This invention relates to brackets for supporting eaves-troughs, and has for its object to simplify and improve the construction of devices of this character.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages.

In the drawings thus employed, Figure 1 is a side elevation of the improved device applied with the eaves-trough and a section of the eaves portion of a building in transverse section. Fig. 2 is a side view of the improved hanger disconnected and in open position. Fig. 3 is a detail view in perspective of the upper edge of a portion of the trough to show the notch therein. Fig. 4 is a view similar to Fig. 1, illustrating a modified form of the structure. Fig. 5 is a front elevation of the parts shown in Fig. 4. Fig. 6 is a perspective view, enlarged, of the form of clip illustrated in the modified construction shown in Figs. 4 and 5.

The improved device is formed entirely of wire and comprises a standard portion 10 of twisted members with an arm 11 extending laterally from one end and terminating in a loop 12 and with a longer arm 13 extending from the other end and terminating in a hook 14. In the structure shown in Figs. 1 and 2 the standard portion 10 is formed with apertures 15 to receive the holding-screws 16 and is also provided with a brace portion 17 of twisted members extending intermediately therefrom and terminating in a loop 18 for linking into

the loop 12 of the arm 11. The brackets thus constructed will be attached, as by the screws 16, to the supporting structure, such as the drop-face of a cornice, as represented at 19 in Fig. 1, at suitable intervals, with the member 13 disconnected, as in Fig. 2.

The eaves-trough 20 is of the usual form, with the "roll" 21 at one edge, and is also preferably provided with notches 22 at intervals corresponding to the brackets in the other or inner edge, and when placed in position beneath the brace members 17 the notches will embrace the inner ends of the same, while the roll edge will bear against the interlinked ends 12 18 of the arm 11 and the brace 17. The arm 13 is then moved upward and drawn tightly beneath the body of the trough and the hooked end 14 passed through the loop 18 of the brace 17 and secured, as by twisting, as shown in Fig. 1.

By this simple device the trough is very quickly adjusted and firmly secured in position and without danger of displacement under any strains to which it is liable to be subjected.

In the modified structure shown in Figs. 4 and 5 the standard portion 10 is secured to the cornice 19 by a clip-plate 23, having a notch 24 in the upper end and with a longitudinal "crimp" 25 to fit over the standard portion and with screw-holes at the side of the crimped portion, the edges of the clip-plate being folded over upon the plate to increase its strength.

In the modified structure shown in Figs. 4 and 5 the member 11 is inclined and the member 17 is horizontal and with a rising portion at 26 to bear in the notch 22 of the trough portion and prevent displacement of the same; but these modifications do not affect the principle of the invention, as they do not materially change or modify the results sought to be attained.

The device is simple in construction, can be inexpensively manufactured, and easily applied wherever eaves-troughs are used.

Having thus described the invention, what is claimed is—

1. An eaves-trough-supporting bracket consisting of a twisted-wire standard portion having arms extending from its ends for bearing respectively over and beneath the trough, one of said arms terminating in an eye and the other arm terminating in a hook, and a twisted-wire portion extending from said standard

intermediately of the same and terminating in an eye for respectively receiving the eye and hook of said arms.

2. An eaves-trough-supporting bracket comprising a standard portion having an arm extending therefrom at one end and terminating in a loop and an arm extending from the other end and terminating in a hook, and a wire member folded together and twisted for a portion of its length and engaged at the fold with said loop and with the free ends extended in opposite directions and twisted around the standard portion.

3. An eaves-trough-supporting bracket consisting of a twisted-wire standard portion having arms extending from its ends for bearing respectively over and beneath the trough, one of said arms terminating in an eye and the other arm terminating in a hook, a twisted-wire portion extending from said standard intermediately of the same and terminating in an eye for respectively receiving the eye and hook of said arms, in combination with an eaves-trough for support between said brace

member and lower arm member and formed with spaced recesses to receive the inner portion of the intermediate member.

4. An eaves-trough-supporting bracket consisting of a twisted-wire standard portion having arms extending from its ends for bearing respectively over and beneath the trough, one of said arms terminating in an eye and the other arm terminating in a hook, a twisted-wire portion extending from said standard intermediately of the same and terminating in an eye for respectively receiving the eye and hook of said arms, and a clip for bearing over said standard portion and having means for securing to a supporting structure, and provided with a notch for engaging the upper lateral member.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HARRY K. FLOWERS.

Witnesses:

LEVI BARTLETT,
GEORGE HART.