

Feb. 28, 1939.

L. L. BRANTHOVER

2,149,042

TRASH RECEPTACLE

Filed Jan. 20, 1938

2 Sheets-Sheet 1

Fig. 1.

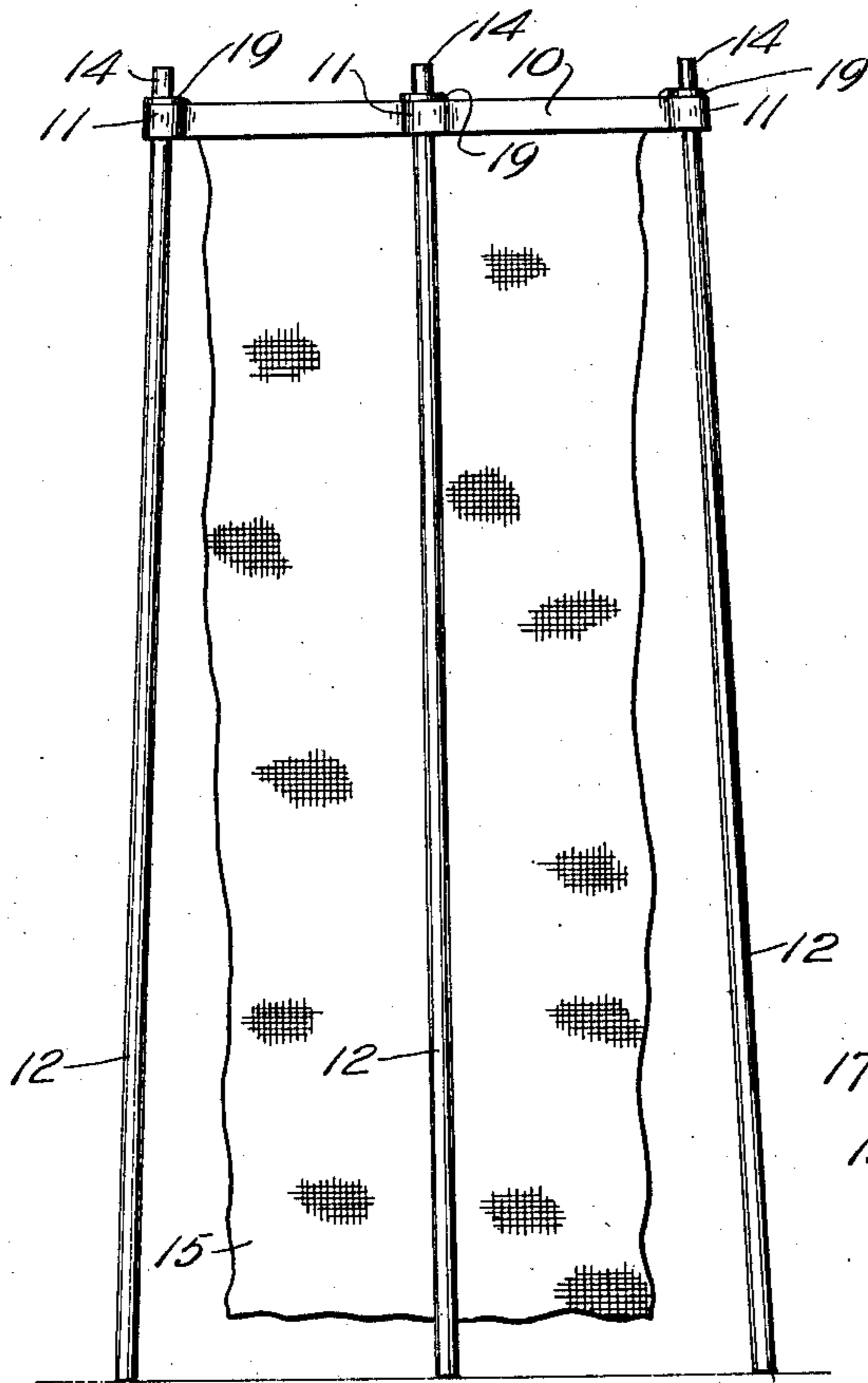


Fig. 3.

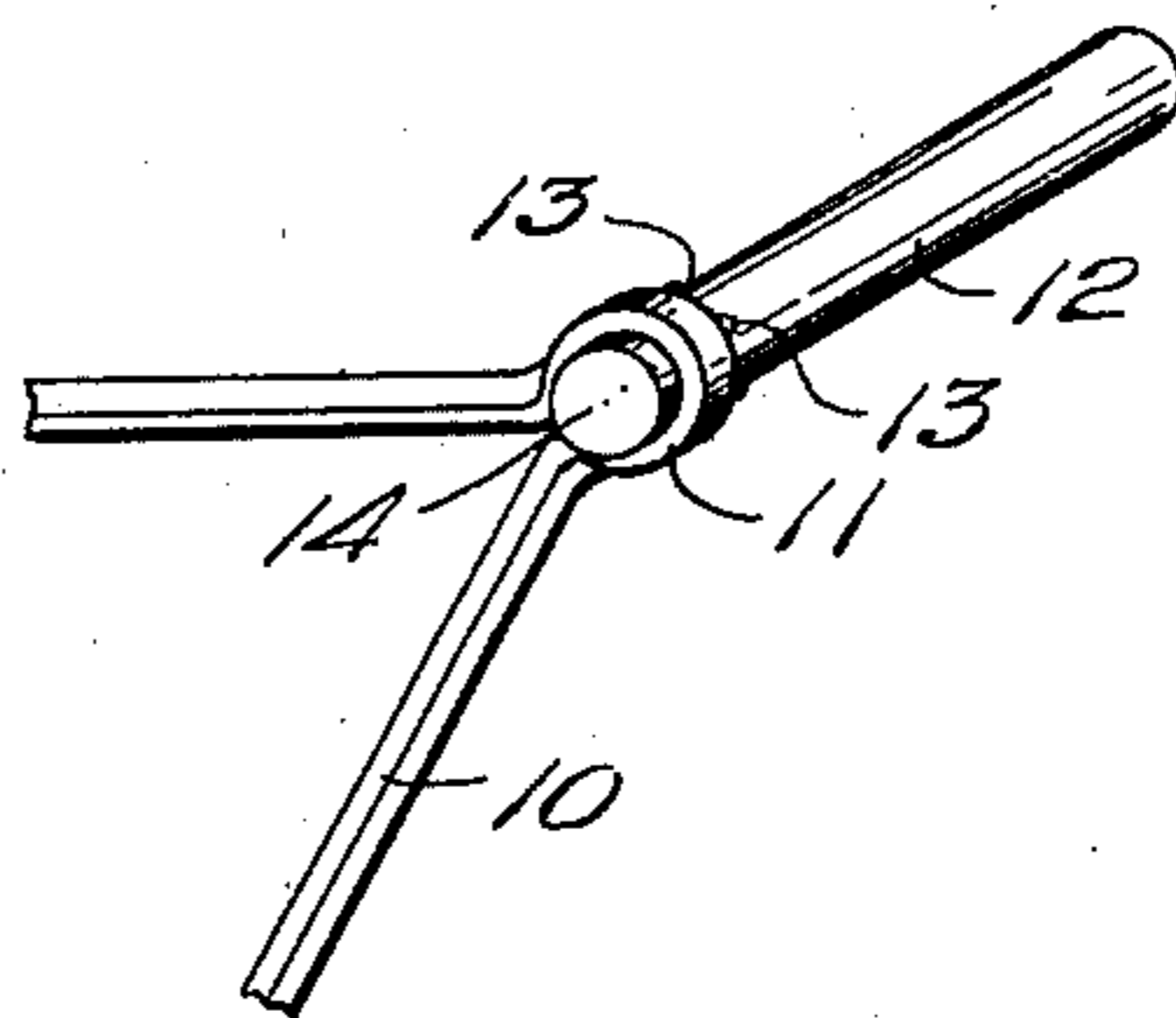


Fig. 4.

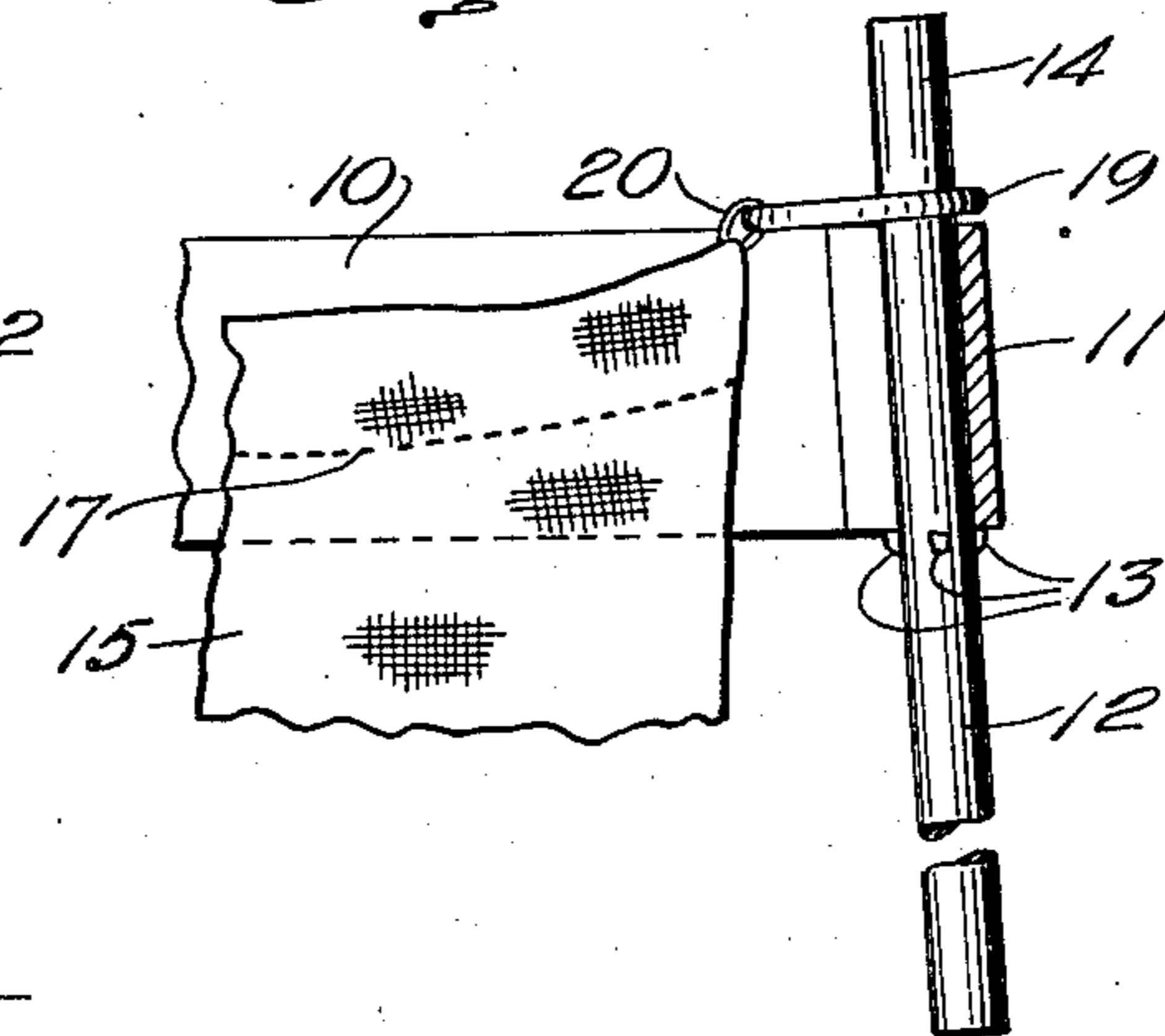


Fig. 2.

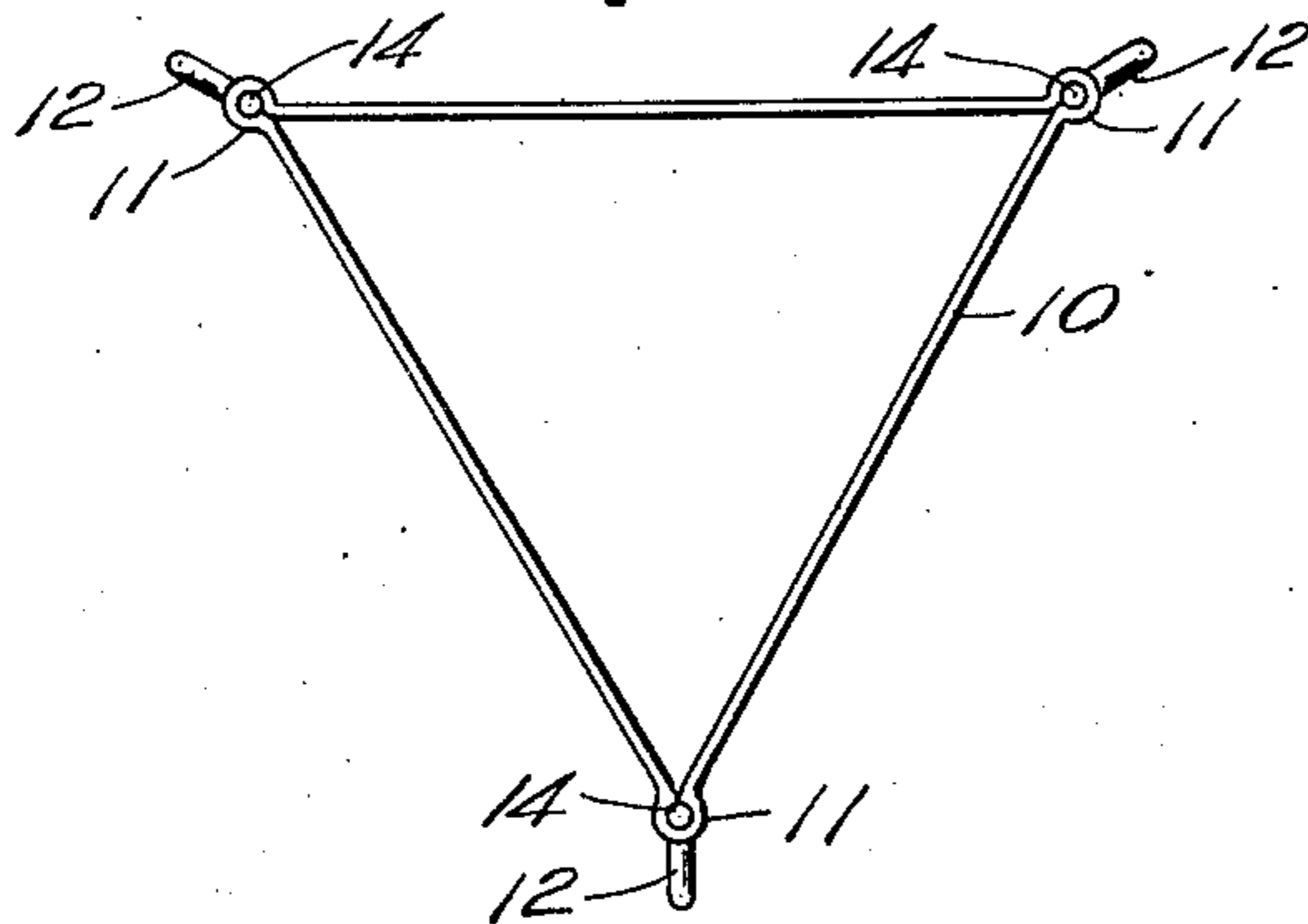
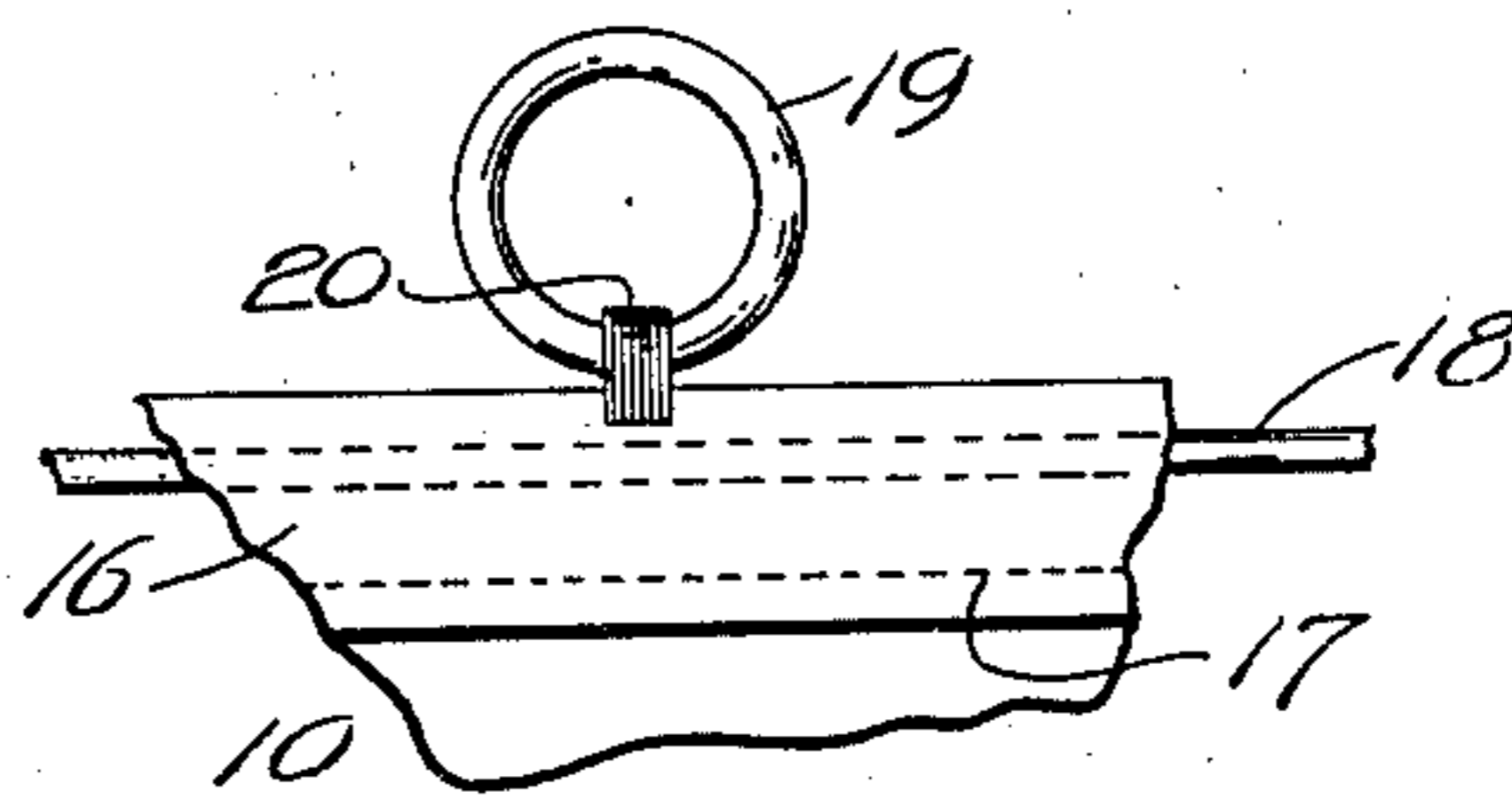


Fig. 5.



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2 Sheets-Sheet 2

Fig. 7.

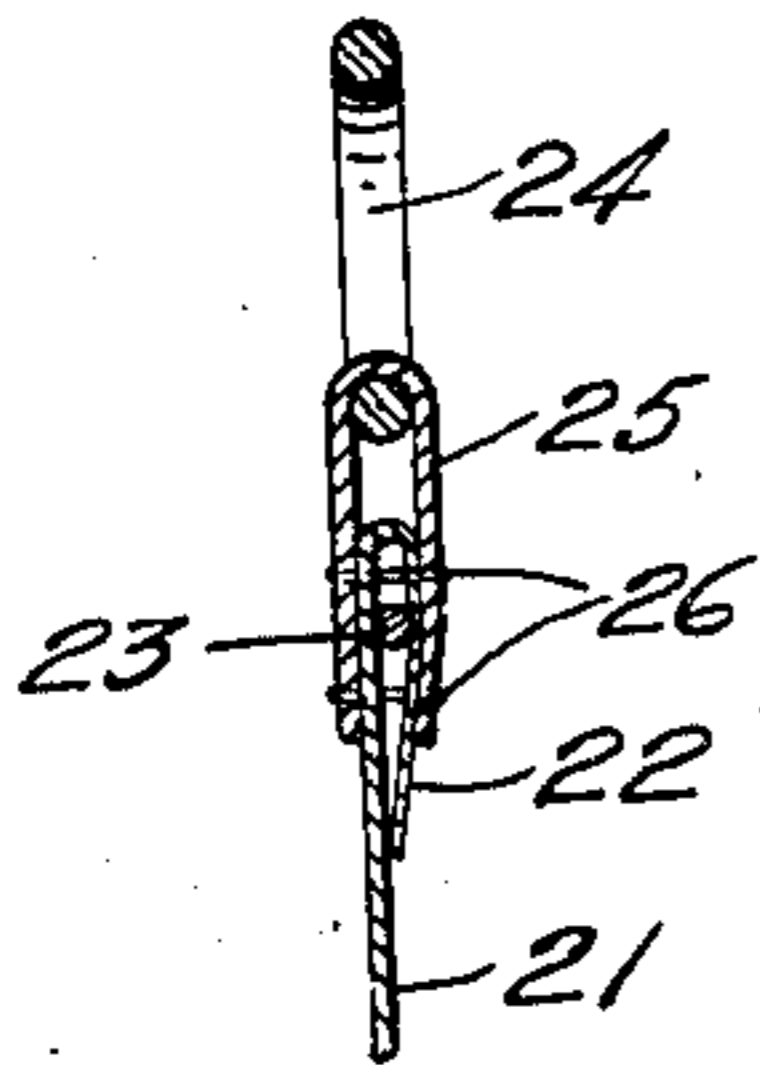


Fig. 6.

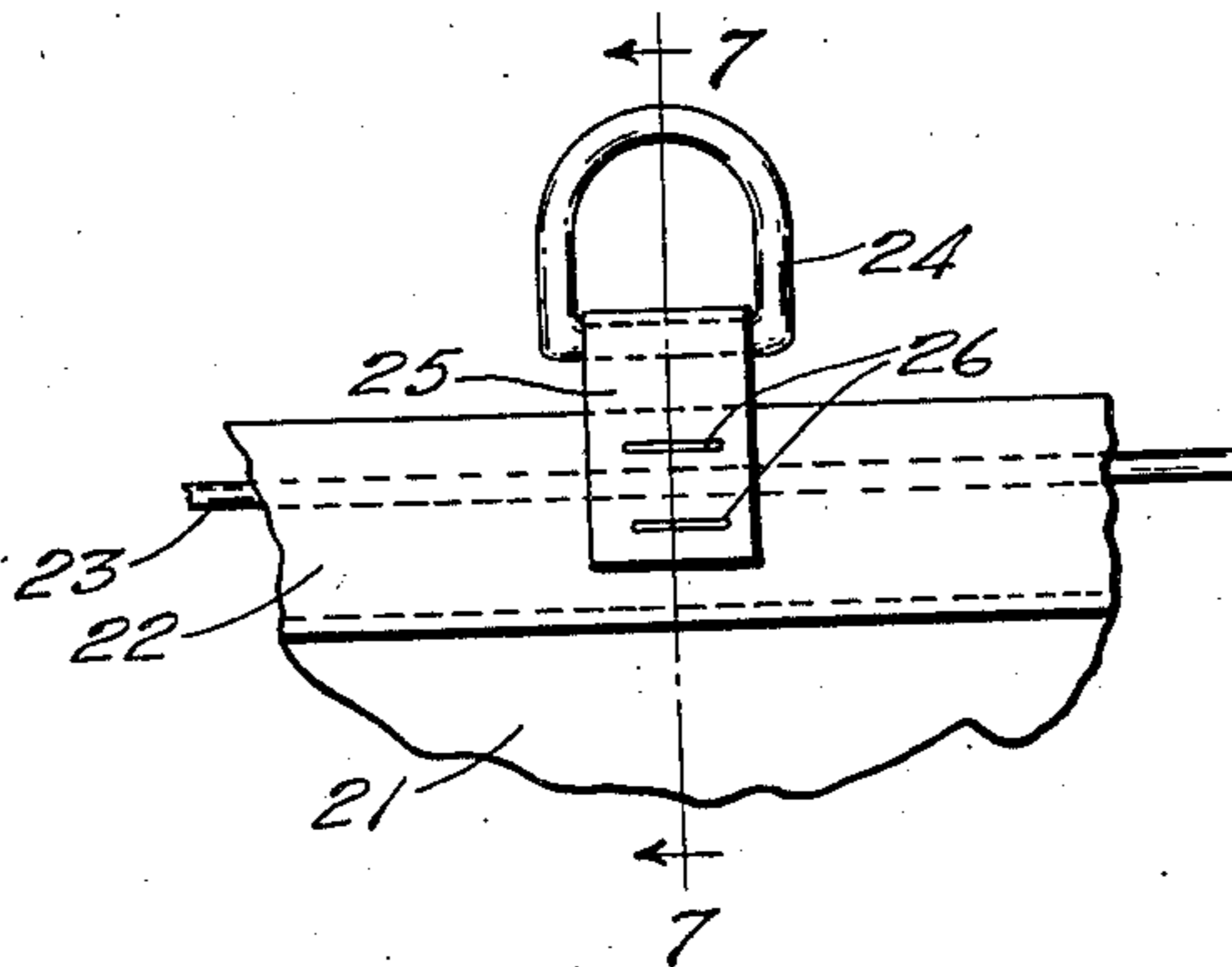


Fig. 9.

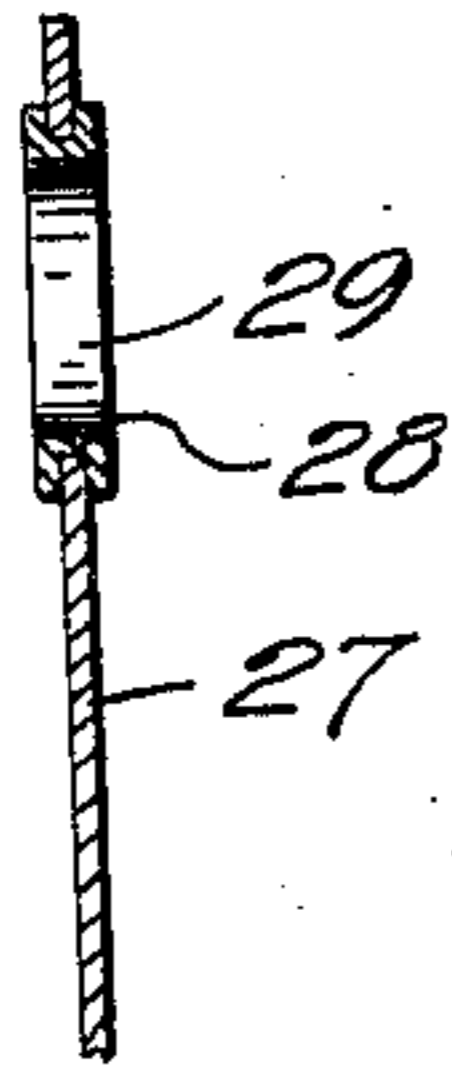


Fig. 8.

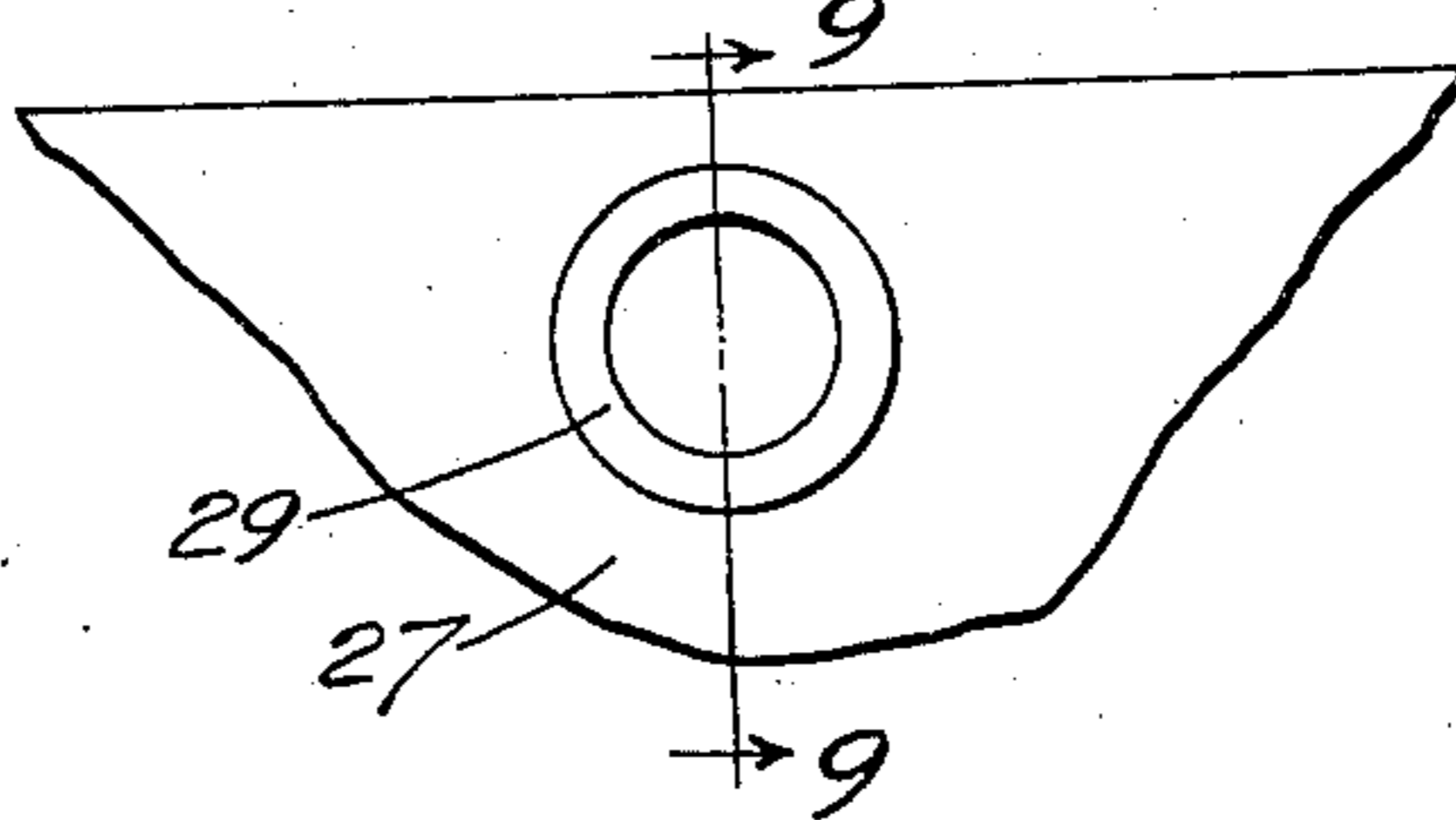


Fig. 10.

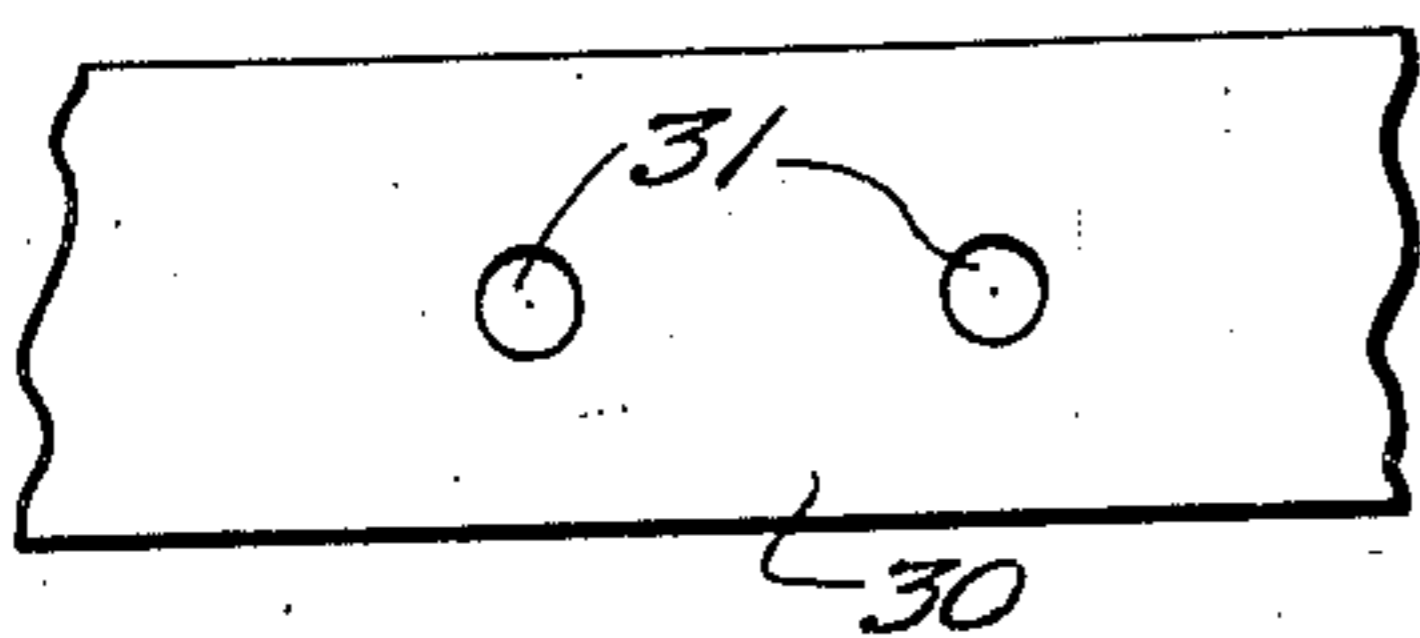


Fig. 11.

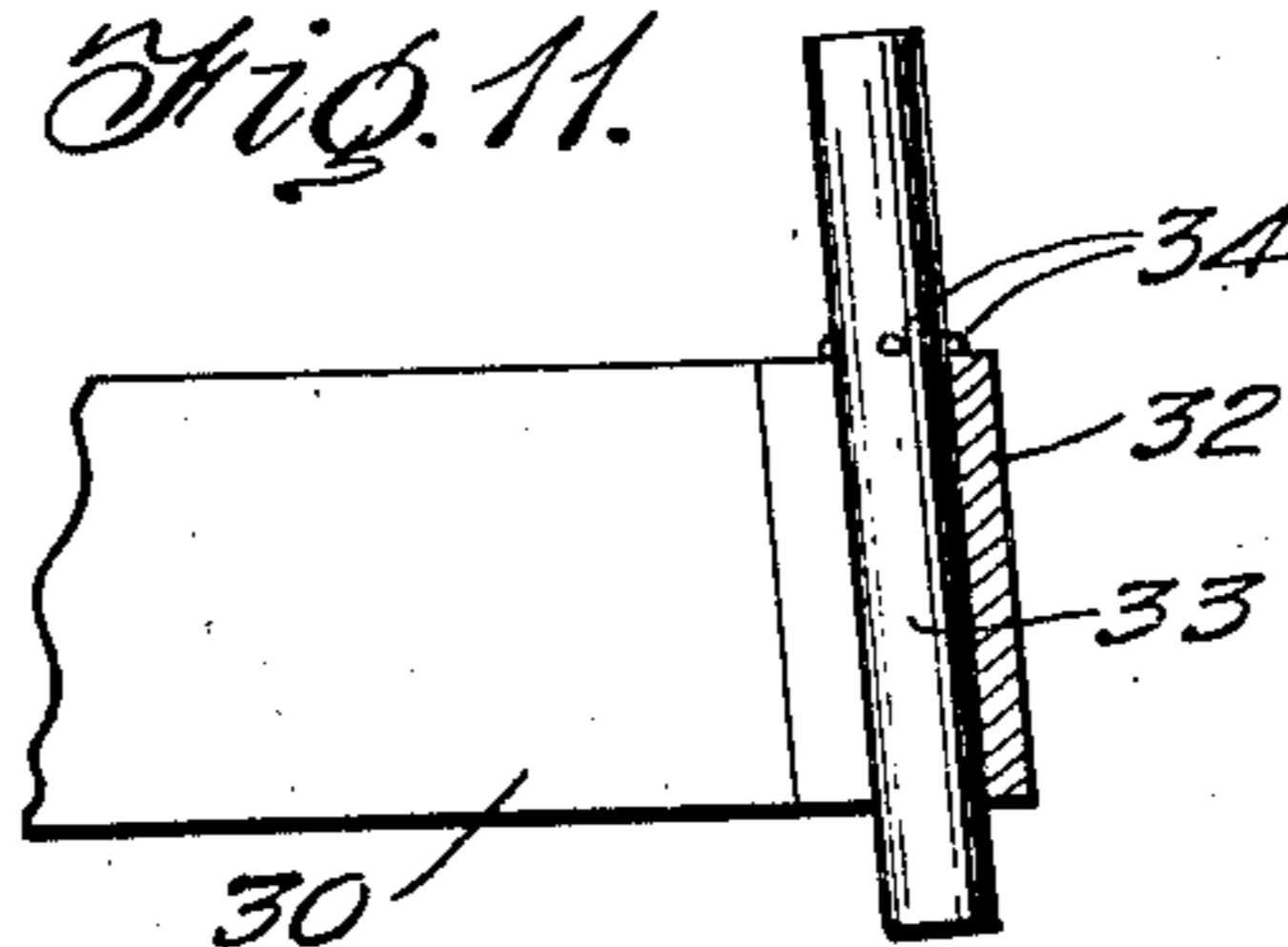
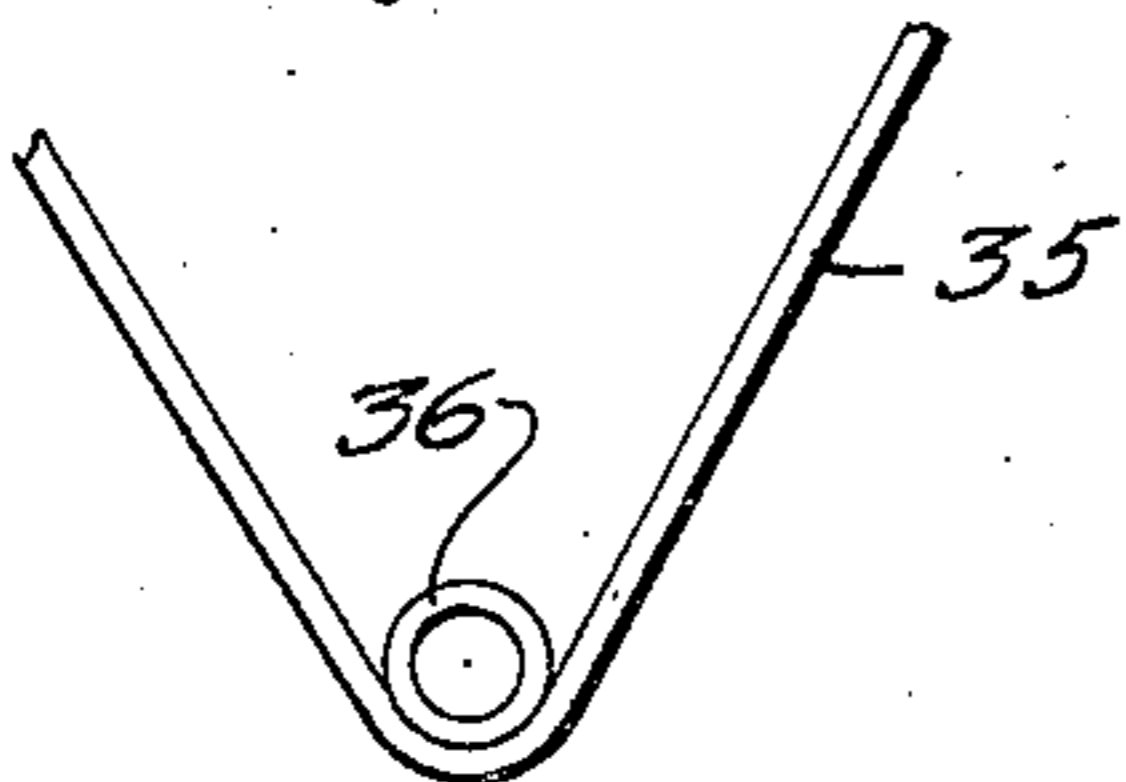


Fig. 12.



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UNITED STATES PATENT OFFICE

2,149,042

TRASH RECEPTACLE

Levi L. Branthover, Washington, D. C.

Application January 20, 1938, Serial No. 185,994

2 Claims. (Cl. 248—97)

This invention relates to containers such as are used for holding trash and other waste material and has special reference to a bag and bag holder for the purpose set forth.

One important object of the invention is to provide a novel knockdown structure for supporting a bag with the mouth of the bag held open.

A second important object of the invention is to provide a novel bag and bag holder wherein the bag and its holder have improved cooperating parts for supporting the bag from the holder.

A third important object of the invention is to provide a novel and improved form of knockdown support for trash collecting bags.

With the above and other objects in view, as will be presently apparent, the invention consists in general of certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings and particularly pointed out in the appended claims.

In the accompanying drawings like characters of reference indicate like parts in the several views, and:

Figure 1 is a side elevation of one preferred form of the invention.

Figure 2 is a plan view thereof with the bag omitted.

Figure 3 is an enlarged detail plan view of one corner portion of the frame part of the invention.

Figure 4 is a detail view partly in elevation and partly in section of the frame and showing a portion of the bag attached thereto.

Figure 5 is a detail side elevation of a portion of the upper edge of a bag prepared for use in this invention.

Figure 6 is a view similar to Figure 5 but showing a modified bag arrangement.

Figure 7 is a section on the line 7—7 of Figure 6.

Figure 8 is a view similar to Figure 5 but showing a second modification of the bag arrangement.

Figure 9 is a section on the line 9—9 of Figure 8.

Figure 10 is a detail showing a portion of a slightly modified form of the frame for holding the bag mouth.

Figure 11 is a detail of a portion of the modified frame with a modification of the bag engaging elements.

Figure 12 is a detail plan view of a portion of the bag mouth supporting frame and showing a

modification of the means for receiving the bag engaging elements.

In the embodiment of the invention as shown in Figures 1 to 5 inclusive, there is provided a bag mouth frame 10 preferably consisting of a length of strap metal having its ends suitably connected, as by welding, to form an endless band. Preferably this band is shaped to form a generally equilateral triangle having the corner portions bent to provide sockets 11 which are open at both ends. While these sockets are upright in axial extent they are inclined slightly from the vertical so that their axial lines diverge downwardly.

The frame 10 is supported on legs 12 which have their upper ends fitted in the sockets 11 and thus diverge downwardly. As here shown, each leg 12 is provided with a series of lugs 13 constituting stop means limiting upward movement of the legs in their sockets. These lugs may be formed by punching out the metal of the rod and the legs may be provided with any other suitable stop means for the same purpose. In any case the stop means is spaced at such a distance from the upper ends of each leg that these upper ends project above the sockets to form bag supporting pins 14.

The bag 15 used with this frame is peculiar in that it is provided with means for engaging on the pins 14 so that the bag holder and bag are provided with coacting engaging means for supporting the bag. As shown in this form the bag is of cloth and is provided with a mouth having a portion doubled inwardly as at 16 and secured by stitching 17 to form a tubular portion for the reception of a draw string 18 by means of which the mouth of the bag may be drawn closed. In this form three equally spaced rings or eyes 19 are secured to the upper edge of the bag by stitching 20.

In place of the form shown in Figure 5 the arrangement shown in Figures 6 and 7 or that shown in Figures 8 and 9 may be used. In Figures 7 and 8, the bag 21 is provided with a drawn string tube 22 holding the draw string 23. The ring 24 is secured by a loop 25 fastened to the mouth of the bag by staples 26. In Figures 8 and 9 there is shown a form adapted for use when the bag 27 is made of paper or the like. In this form the paper is provided with three holes adjacent to the rim, one hole being shown at 28. A reinforcing grommet 29 is used in each hole. As in the first form, the ring 24 or grommet 29 forms an eye for engaging over a pin 14.

The frame may be modified for screw attach-

ment to a wall or the like and such modification is shown in Figures 10 and 11. In this form the frame 30 is of the same generally triangular form as in Figure 2 but one side is provided with spaced screw holes 31 so that screws may be passed there-
5 through to engage in a fixed support. In this form the corner sockets 32 receive eye engaging pins 33 having stop means 34 spaced below their upper ends to limit downward movement of the pins in the sockets.

10 In Figure 12 the frame is modified to provide a triangular frame 35 having a short length of tube 36 spot welded in each corner to form a leg or pin receiving socket having the same function as the sockets 14 and 32.

15 The bag is normally supported in the frame with its eyes engaging over the corner pins. When full the bag is removed and, if so provided, closed by means of the draw string.

20 It will be observed that the legs or pins are to be removed from their sockets for storage or transportation.

There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

25 It is obvious that changes may be made in the form and proportions of the invention without departing from the material principles thereof. The invention is therefore not to be limited to the

exact forms herein shown and described but is to be limited only by the scope of the appended claims.

What is claimed, is:

1. In combination, a bag support consisting of 5 an equilateral triangular frame having a socket formed at each angle thereof, legs having their upper ends engaging in said sockets and having stop means limiting the upward movement of the legs, said stop means being positioned suffi- 10 ciently below the upper ends of the legs to permit the upper ends to project above the sockets to form eye engaging pins, and a bag having a mouth portion provided with eyes engaging over said pins for removably supporting the bag. 15

2. In combination, a bag support consisting of an equilateral triangular frame having a socket formed at each angle thereof, legs having their upper ends engaging in said sockets and having stop means limiting the upward movement of 20 the legs, said stop means being positioned sufficiently below the upper ends of the legs to permit the upper ends to project above the sockets to form eye engaging pins, and a bag having a mouth portion provided with eyes engaging over said 25 pins for removably supporting the bag, said sockets being inclined to cause the legs to flare downwardly.

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