

C. HIERING & A. FULLER.

BAG FRAME.

APPLICATION FILED JUNE 19, 1907.

928,973.

Patented July 27, 1909.

2 SHEETS—SHEET 1.

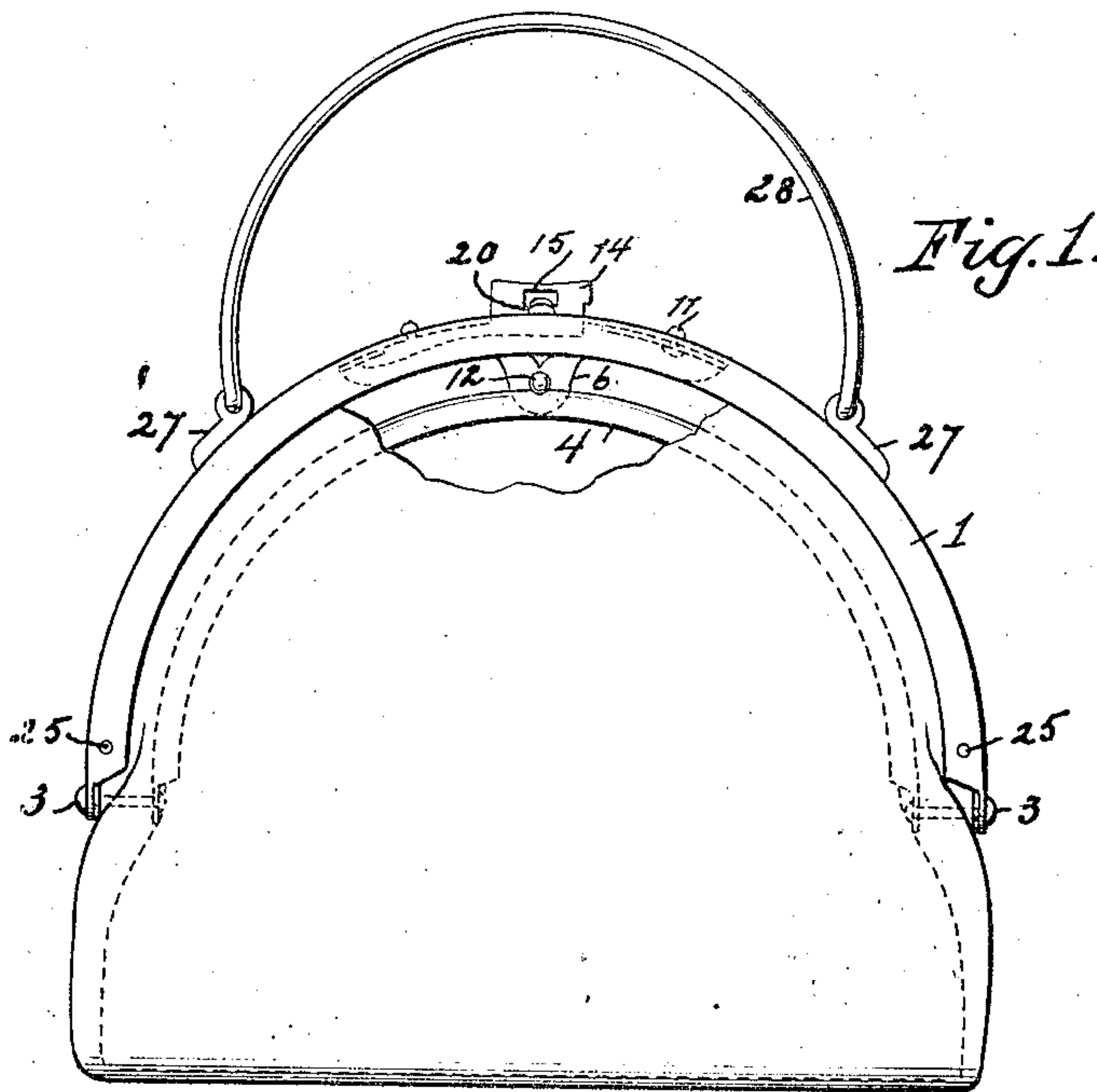


Fig. 1.

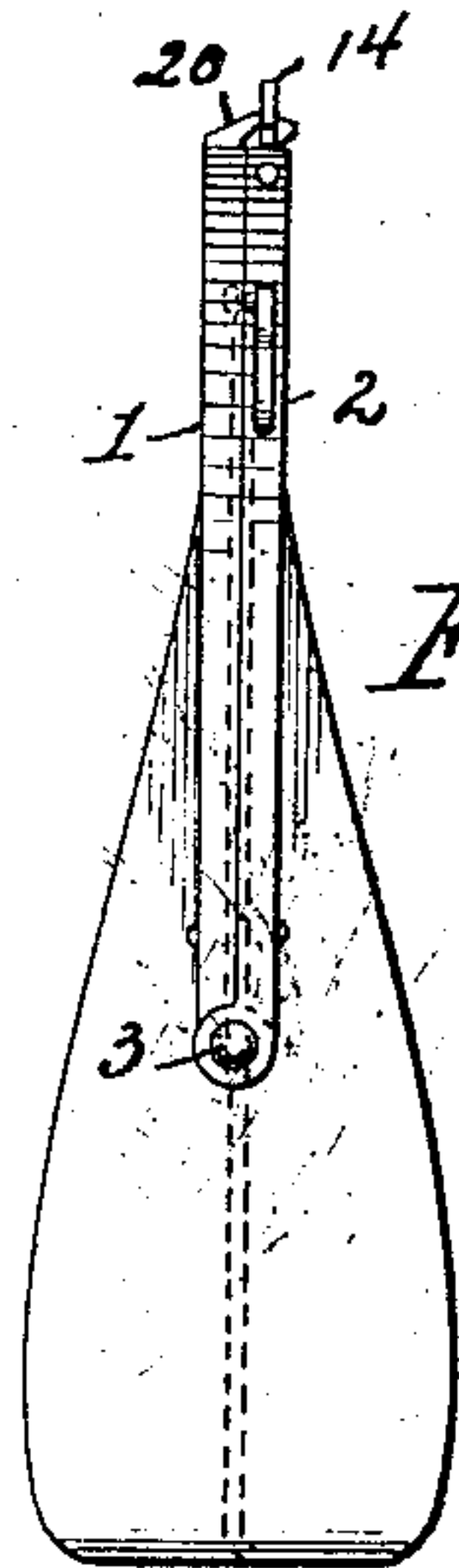


Fig. 2.

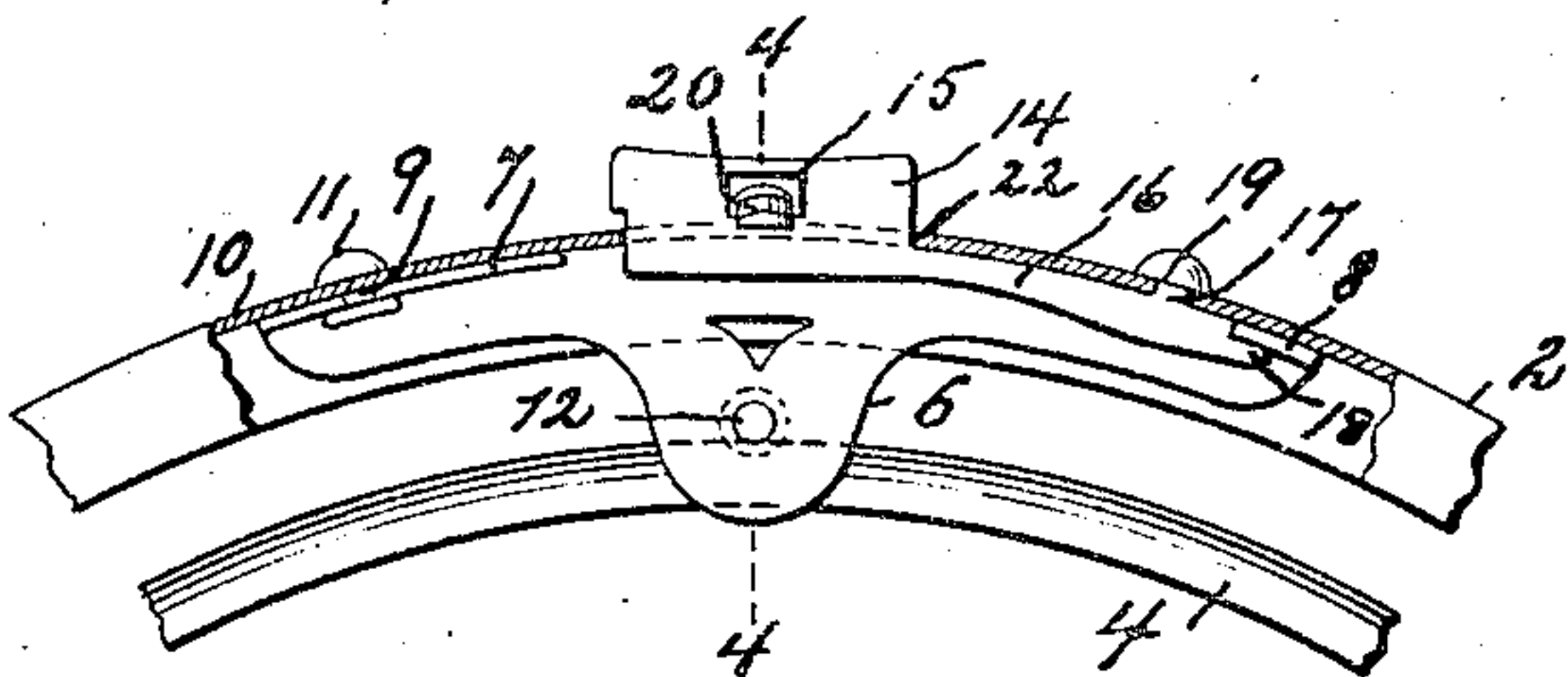


Fig. 3.

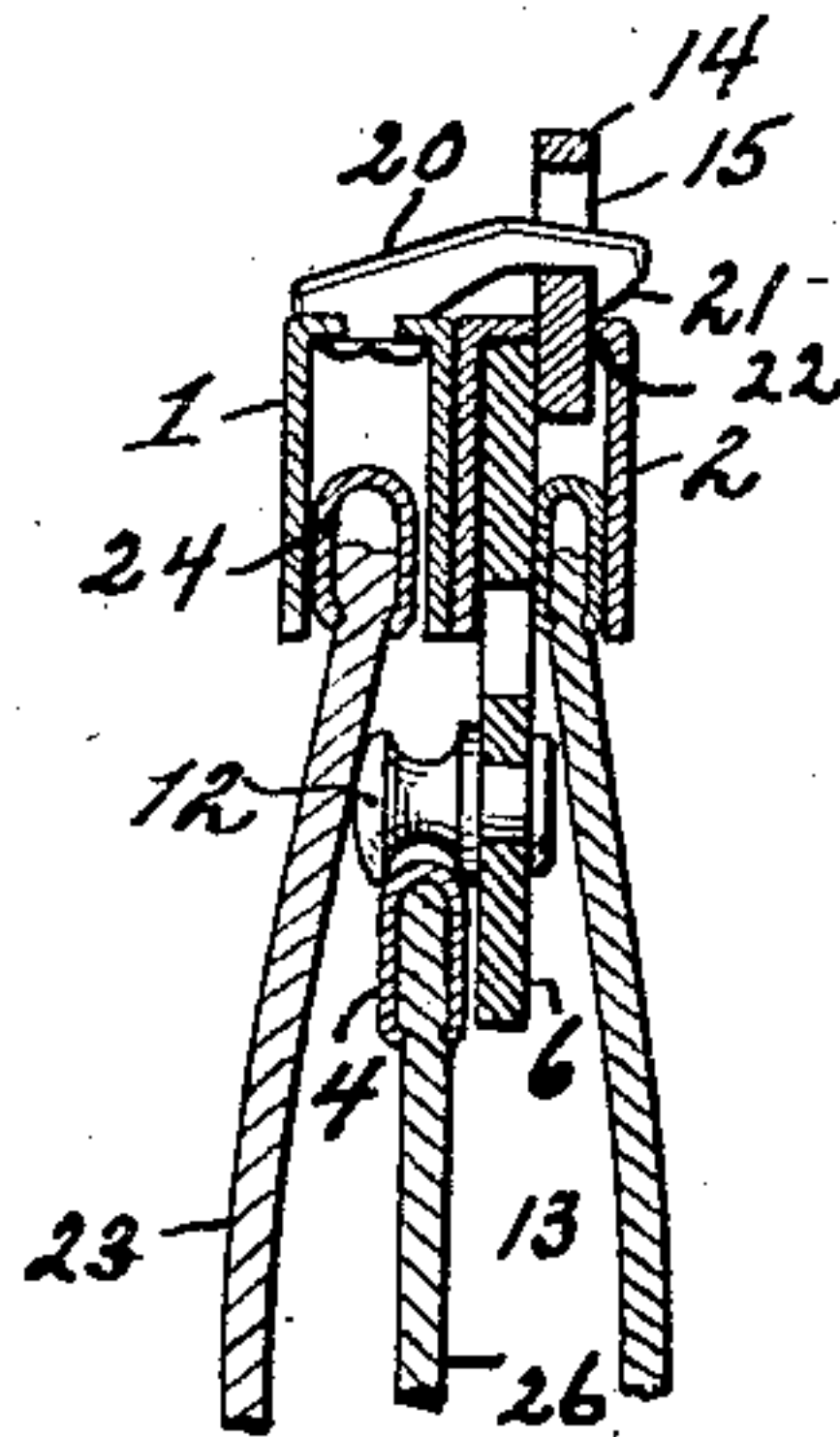


Fig. 4.

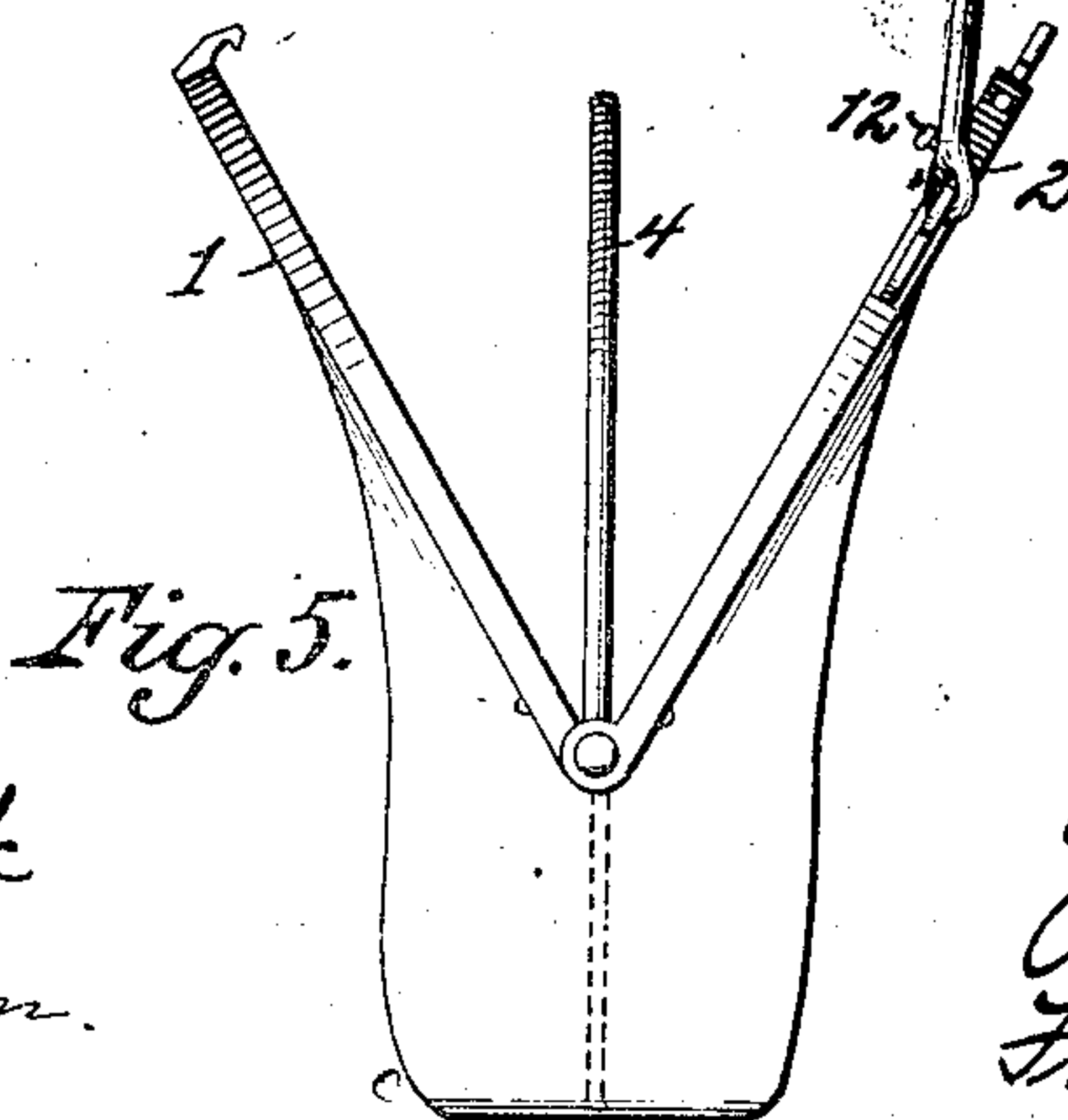


Fig. 5.

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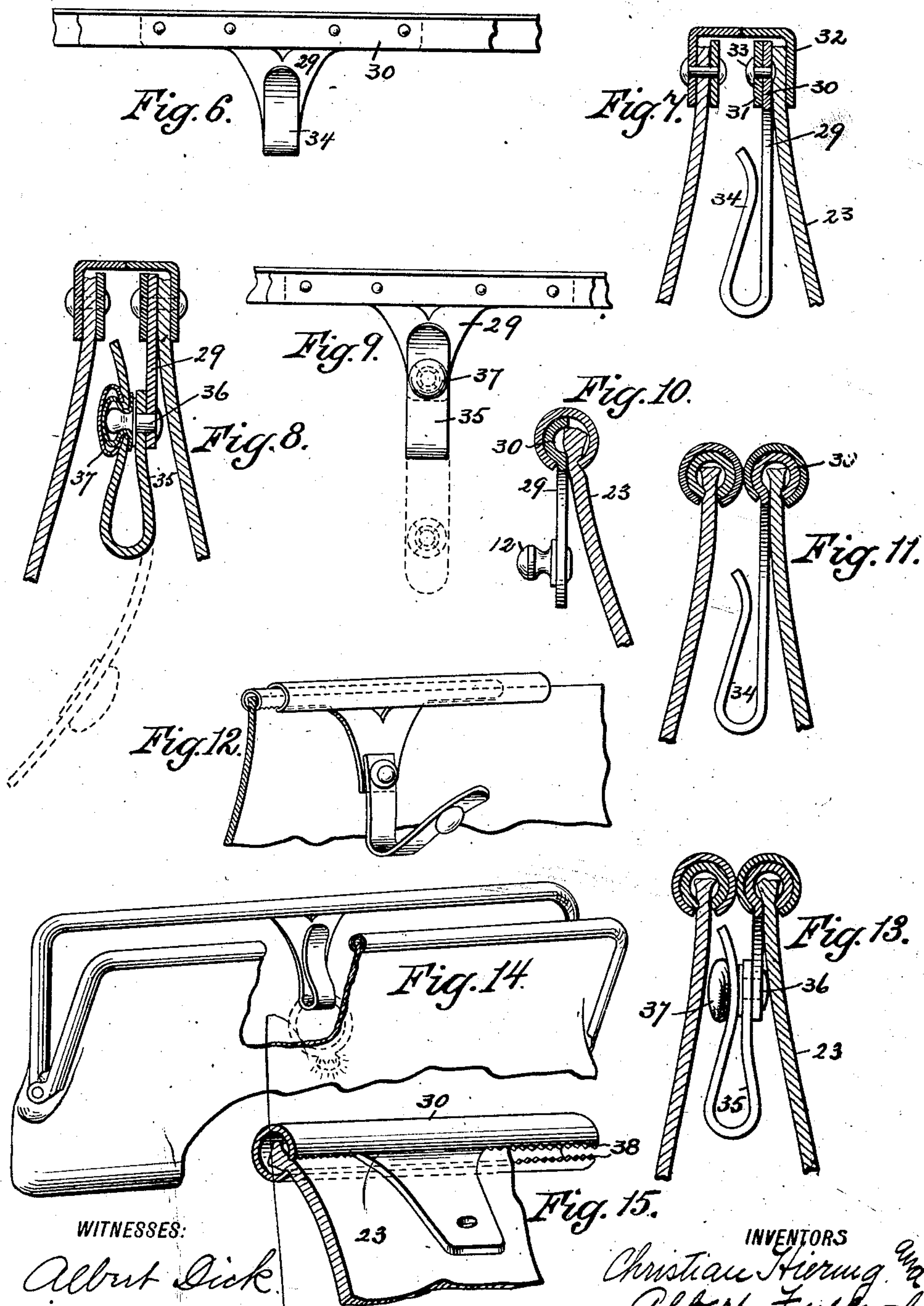
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Christian Hering and
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ATTORNEYS.

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UNITED STATES PATENT OFFICE.

CHRISTIAN HIERING AND ALBERT FULLER, OF NEWARK, NEW JERSEY, ASSIGNORS TO THE
J. E. MERGOTT COMPANY, OF NEWARK, NEW JERSEY, A CORPORATION OF NEW JERSEY.

BAG-FRAME.

No. 928,973.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed June 19, 1907. Serial No. 379,810.

To all whom it may concern:

Be it known that we, CHRISTIAN HIERING and ALBERT FULLER, citizens of the United States, residing in the city of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Bag-Frames; and we do hereby declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same.

Hitherto, in the construction of bag frames of the type to which our invention relates, it has been customary to provide an inwardly extending integral projection from one of the frame members for the purpose of supporting fastening means for the supplemental frame member. This construction was objectionable, inasmuch as the frame members being blanked from sheet-metal resulted in large waste of material. Again, it has been proposed to solder this extension to the inner edge of the frame member, but this has been found to be objectionable, for the reason that in the polishing and buffing of the frame members, preparatory to attaching the bag bodies thereto, such soldered extension would frequently become detached from the frame member, and thus render the entire frame useless or cause much inconvenience and loss of time in repairing.

The object of our invention is to overcome these difficulties, and to provide a bag frame and fastening means, simple in construction, easy to manipulate, and not liable to become disarranged.

The inwardly extending projection to which we have above referred, is admirably adapted for other uses than that of forming a fastening means for the inner frame; for example, we may provide the projection with various fastening devices for securing different articles within the bag; as rings, keys, purses and the like. Moreover, the projection may take various forms for the various purposes to which it may be put, for example, we may provide it with an integral spring hook, or a strap loop, or simply a button. The means of securing said extension to the bag frame may vary in accordance with the style of bag frame used, as where the ordinary angular frame is used, the upper broad edge of the plate which carries the extension may be inserted between an inlay member and the edge of the bag body, or,

where what has come to be known in the art as a pinch-frame is used, that is, a frame in which the members are substantially circular in cross-section and open at one side to receive the edge of the bag frame to which it is secured by pinching the body of the frame against the sides of the fabric of which the body is composed, we find that we may provide the upper edge of the plate with a longitudinal head which is received into the cavity of the frame member along with the edge of the bag body, the frame member itself being pinched against the bag body and the plate. Again, we may make the upper edge of the plate tubular, or substantially circular in cross-section, providing the meeting edges of the tubular part with serrations; in this case, the edge of the bag body is inserted into the tubular portion which is then pinched down upon the edge, and the edge thus armed with a bead is inserted into the slot of the pinch frame, which is then closed over the beaded edge of the plate.

In the modifications illustrated in the drawings, and hereinafter referred to, it is to be understood that any form of fastening for the plate to the bag frame may be coupled with any of the forms of spring hooks, loops, fasteners, buttons and the like.

In carrying out our invention, we make use of the structures illustrated in the accompanying drawings, wherein—

Figure 1 is a side view of a complete bag with a portion of the bag body broken away which composes the interior parts. Fig. 2 is an end view of the same. Fig. 3 is an enlarged view of the frames, showing the relative positions thereof, in connection with the lock. Fig. 4 is an enlarged cross-section on line 4—4 of Fig. 3. Fig. 5 is an end view showing the bag opened with the interior frame also open, to afford access to each compartment of the bag. Fig. 6 illustrates the method of securing a hooked extension to the ordinary angle frame. Fig. 7 illustrates in cross-section, an enlarged view of the plate, secured between the inlay member and the bag body. Fig. 8 is a cross-section illustrating a leather or fabric loop secured by the ordinary ball and socket fastener. Fig. 9 is a front view of the same. Fig. 10 illustrates the plate with an upper beaded edge secured along with the edge of the bag body, in the so-called pinch frame. Fig. 11 illustrates the upper edge of the plate as

provided with a tubular bead to receive the edge of the bag body. Fig. 12 is a perspective view illustrating the serrated edges of the bead as secured to the bag body and the whole secured within the pinch frame. Fig. 13 illustrates a modified form showing the strap-loop. Fig. 14 is a perspective view partly broken away, illustrating the use of the spring hook extension, and its location within the bag body, and Fig. 15 is a perspective view showing the bare plate with its serrated edges connected to the edge of the bag body.

Similar numerals of reference refer to like parts throughout the specification and drawings.

The bag frame proper consists of the two hinged members 1 and 2 of channel shape in cross-section and of any desired shape in longitudinal contour. We have shown it, however, of semi-circular shape in Fig. 1, only for the purpose of illustration. The two members 1 and 2 are hinged together by means of the studs 3, such studs projecting toward each other and forming supports for the interior frame 4, the ends of which are pivoted to the stud 3. The interior frame 4 is of general channel shape in cross-section and conforms to the shape of the frame members 1 and 2, with the exception that it is somewhat smaller.

Within the channel of the frame member 2, we locate the locking members for both the exterior and interior frames, such locking devices consisting of the following elements; 6 represents a plate or flat piece of metal provided with the upper marginal flange 7 of considerable length and the short flange 8 at the opposite end. The flange 7 is at right-angles to the general flat face of the member 6, and is provided with the aperture 9, by which it is riveted to the web 10 of the channel frame 2, by means of the rivet 11, as clearly illustrated. The member 6 at its middle, projects considerably below the flanges of the channel frame 2, and is provided with a button rivet 12 secured to such extension and projecting toward the opposite member 1. The interior member 4 being hinged as described to the studs 3, extends when closed to a point where it will snap under the head of the button rivet 12 and thus be firmly secured in position to close the compartment 13 within the bag. As thus far described, the member 6 has but a single fastening, namely, the rivet 11, but to provide a further means of fastening the opposite end of the member 6 and also to provide a lock for the exterior bag frame, we provide the spring catch member 14, apertured at 15 and provided with the spring tail-piece 16, said spring tail-piece having a tang 17, and an offset extension 18, said offset extension taking over the short flange 8 of the member 6, so that when the tang 17 is

inserted through the aperture 19 in the frame member 2 and riveted down, the tail-piece 18 forms an additional fastening means for the member 6 through the flange 8. The hook 20 is riveted to the opposite frame member 1 as clearly shown in Fig. 4, the said hook being beveled at 21 for the purpose of snapping through the aperture 15 of the catch member 14. By depressing the member 14, it will be seen that such member will be carried into the frame member 2 through the aperture 22, so that the hook 20 will clear the aperture 15.

As a means for securing the bag body to the frame, I provide the following structure. The edge of the leather or fabric composing the bag body 23 is provided with a channel bead 24 which is gripped to the edge of the fabric as clearly shown in Fig. 4 and then inserted into the channel of the frame members 1 and 2 and secured in position by means of the two rivets 25 at the extremities of the frame. We find that in practice, the two rivets 25 are sufficient to retain the bag body in position, inasmuch as the metallic channel bead 24 is rigid and cannot escape from the channel of the frame members 1 and 2. The margin of the interior partition 26 is secured to the inner frame member 4 in substantially the same manner as the bag body is secured to the marginal member 24.

The button rivet 12, it will be noted is located at a point contiguous to the upper center of the bag frame, and in a position to permit the inner frame 4 to be snapped shut, so as to form a separate closed compartment 13 within the bag body. In the drawings, we have shown the apertured lugs 27 secured to the frame member 2 for the purpose of affording means for attaching the handle 28. Any means however, may be used for this purpose.

In the modification illustrated in Fig. 6, the plate 29 is of substantially the general T-shape shown, the upper part of the T being secured between an inlay member 31 and the upper edge of the bag body 23, the parts being secured to the frame member 32 by means of the rivet 33. The frame member 32, in this case, is of the ordinary angle or L-shaped type. The lower end of the plate 29 is bent up to form the spring hook 34, to which objects may be secured within the bag, such objects being of a nature to permit them to be held by such spring hook 34. If desired, we may substitute for the spring hook 34, a flexible strap 35, securing the same to the shortened extension of the plate 29 by means of the button rivet 36, the other end of the strap being provided with the ordinary button fastener 37. In this manner, we form a flexible loop, which may receive the articles to be carried thereby.

As a means for fastening the plate 29 to the pinch bag frame, we may provide the up-

per portion 30 of a beaded or corrugated shape adapted to lie within the tubular portion of the bag body 23, with the pinch frame gripping the parts together.

5 In Fig. 10, we have shown the plate as provided with a button rivet 12. If desired, the upper edge 30 may be carried over into the tubular form illustrated in Figs. 11 to 15 inclusive, where it forms a tubular head open
10 upon the lower side and the edges of the open part being provided with serrations 38, which, when the tubular part 30 is pinched together, will grip the edge of the bag body 23, as illustrated in Fig. 15. In this manner,
15 we may provide not only means for securing the plate in position, but with its various modifications, we provide also means for securing various articles in a convenient and readily accessible position, just within the
20 opening of the bag. Such particles may comprise rings, keys, gloves, or any similar articles which are adapted to be secured either by the spring hook 34 or the strap-loop 35.

25 We claim:

1. In a bag frame, the combination of a pair of mating members and an interior member hinged together at their extremities, a lock for fastening said mating members together, a plate secured to one of said
30 mating members, a button rivet rigidly secured to said plate and lying in the path of and adapted to fasten said interior member to said plate.

35 2. In a bag frame, the combination of a pair of mating members and an interior member hinged together at their extremities, a lock for fastening said mating members together, a plate secured to one of said mating
40 members, an extension from the side of said plate, a button rivet secured upon said extension in the path of and adapted to fasten said interior member in position.

45 3. In a bag frame, the combination of a pair of mating members and an interior member, each U-shaped in cross-section, means for securing the margin of a bag body in the

channel of said mating members and the margin of a middle partition to said interior member, a plate having rectangular flanges upon
50 one edge thereof secured in the channel of one of said mating members, a button rivet secured to said plate extension, said rivet lying in the path of said interior member and adapted to fasten the same to said mating
55 member.

4. In a bag frame, the combination of a pair of mating members, a pair of studs projecting toward each other for pivotally securing said members together, an interior
60 member pivotally secured to the inner ends of said studs, a plate secured to the middle portion of one of said mating members, said plate having an extension from one side thereof, a button rivet secured to said extension and forming a fastening means for said
65 interior frame.

5. In a bag frame, the combination of a hinged bag frame member with a plate secured to the middle portion thereof, said
70 plate having an extension upon one side thereof, a button rivet secured to the face of said extension and a spring locking plate also secured to said frame member, said locking plate having an offset extension for holding
75 said first named plate in position.

6. In a bag frame, the combination of a pair of hinged mating members, an interior frame member pivotally secured to said mating members, a locking plate secured to one
80 of said mating members, said plate having a spring tail-piece provided with an offset extension, a second plate secured to said mating member by said offset extension and a button rivet secured to said second plate to
8 serve as a fastening means for said interior frame.

This specification signed and witnessed this 23rd day of May 1907.

CHRISTIAN HIERING.
ALBERT FULLER.

Witnesses:

M. KLEEMAN,
R. D. BARRY.