

J. S. ISIDOR.
BAG FASTENER.
APPLICATION FILED JAN. 29, 1910.

954,735.

Patented Apr. 12, 1910.

2 SHEETS—SHEET 1.

Fig. 1

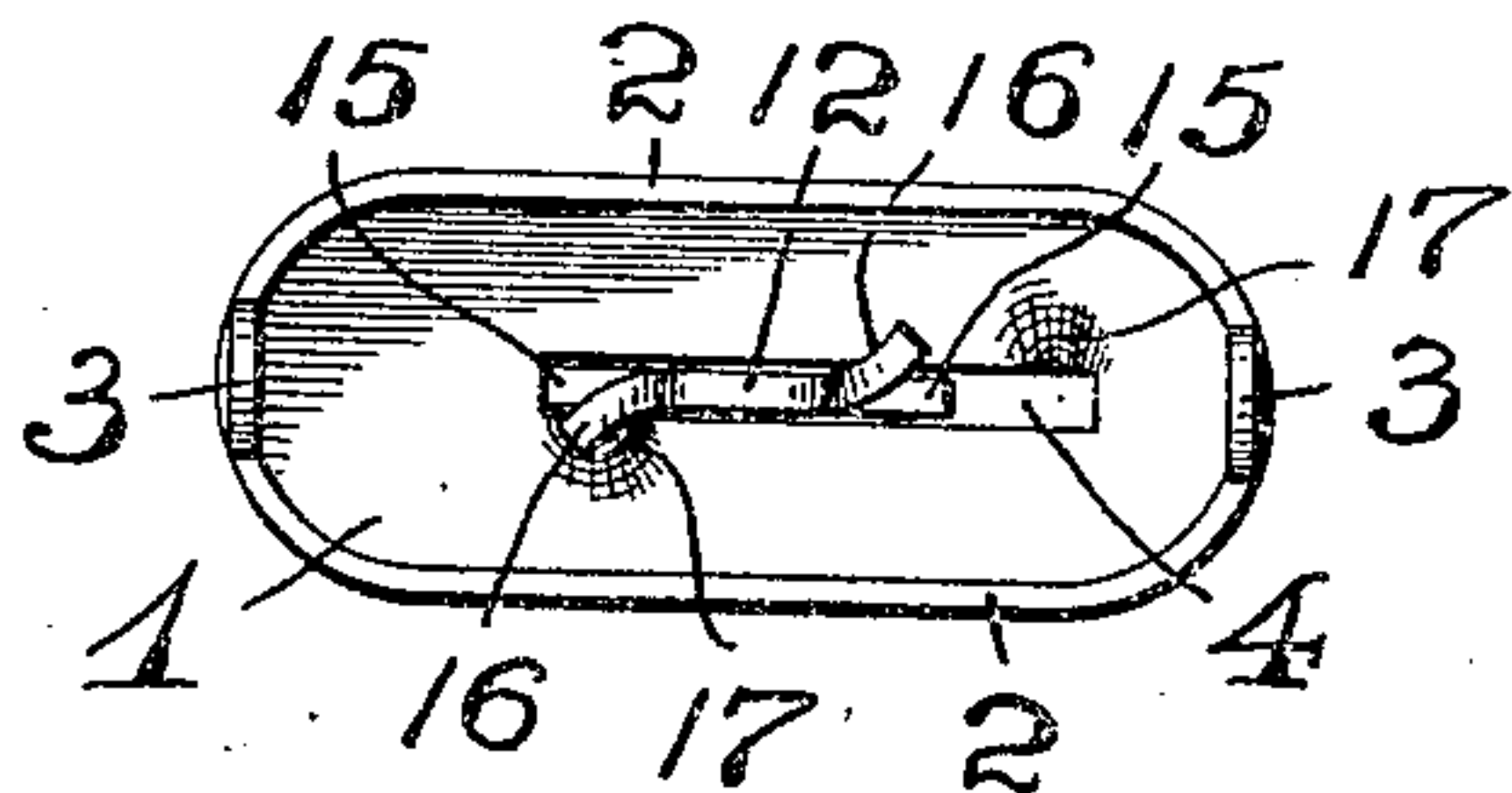
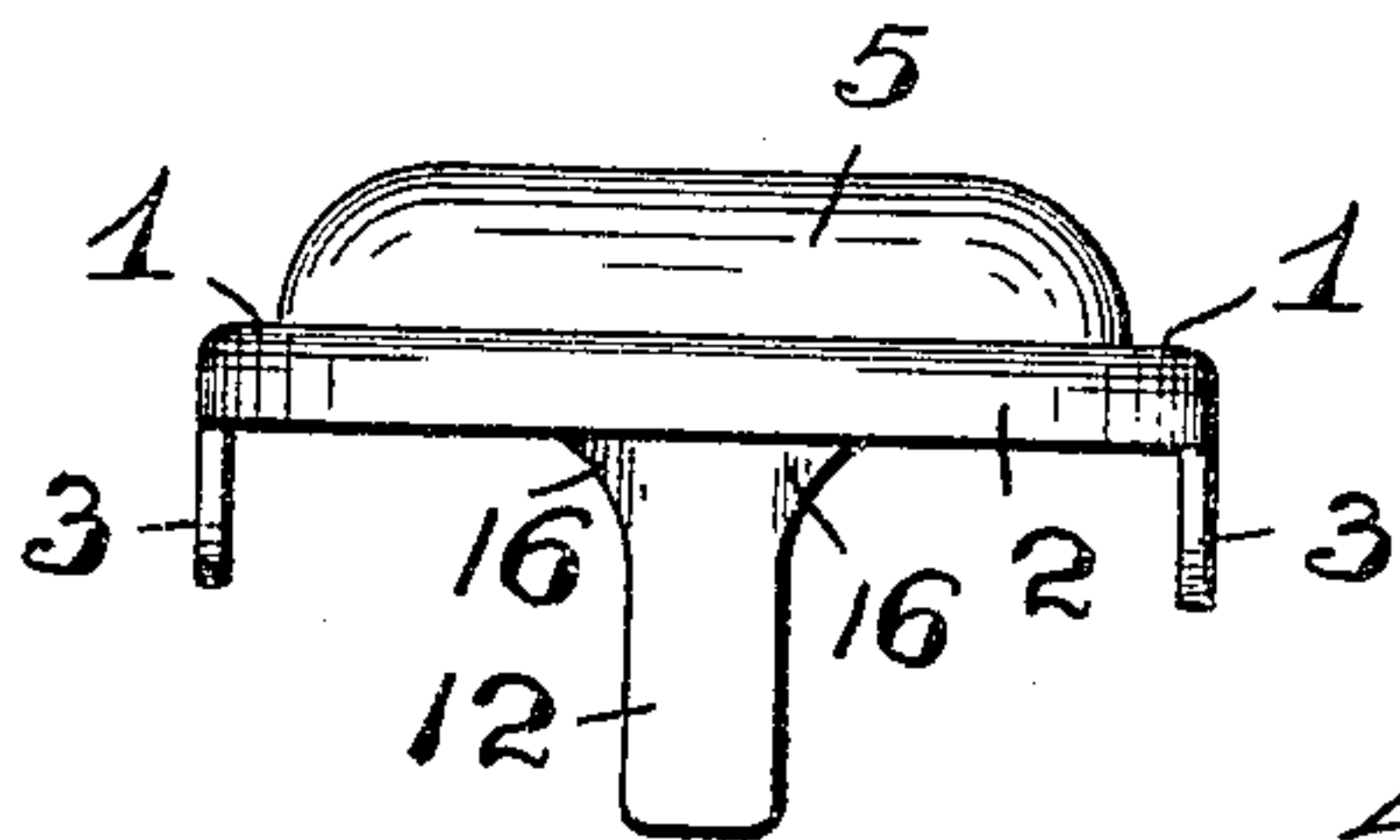


Fig. 2

X →

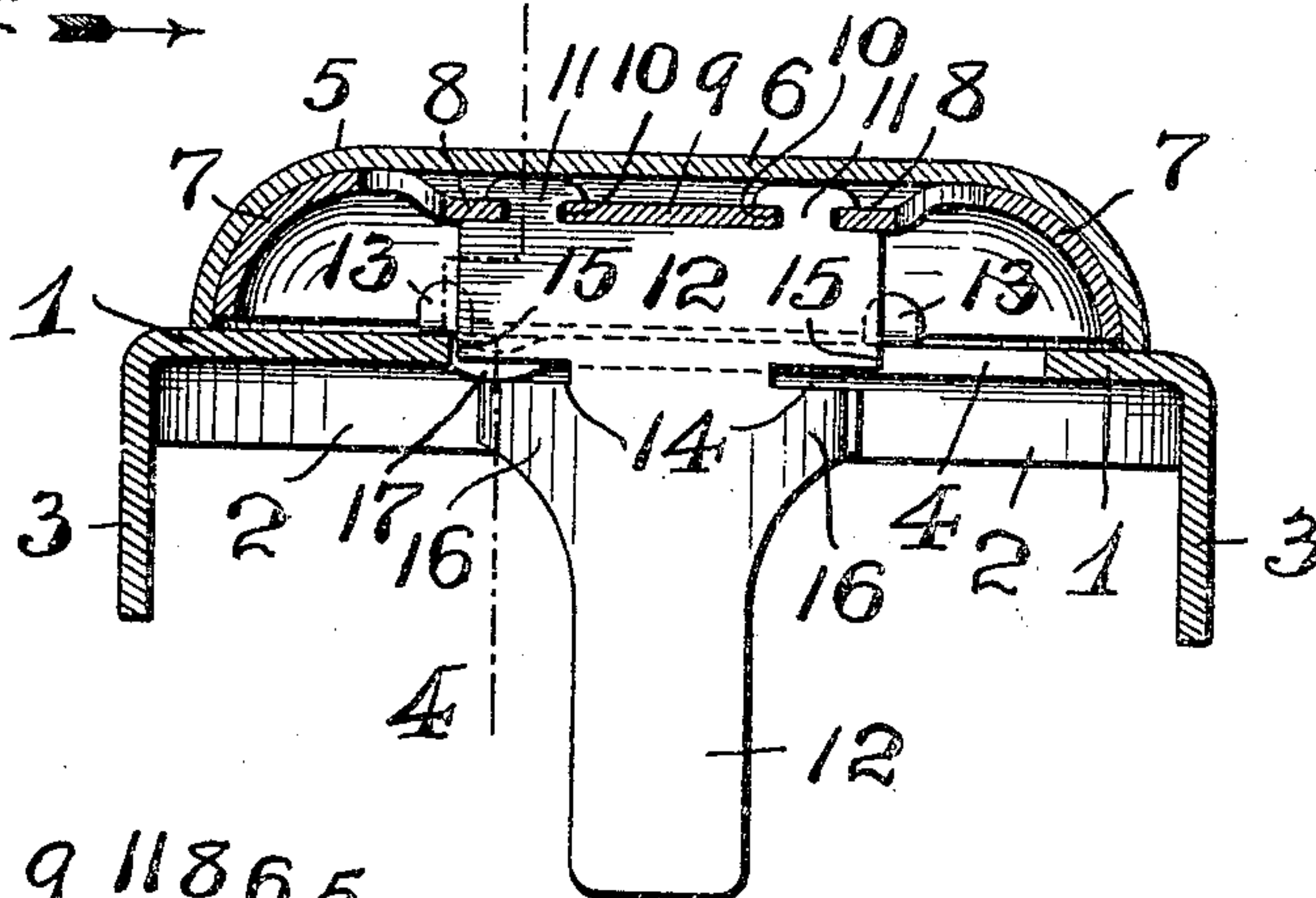


Fig. 3

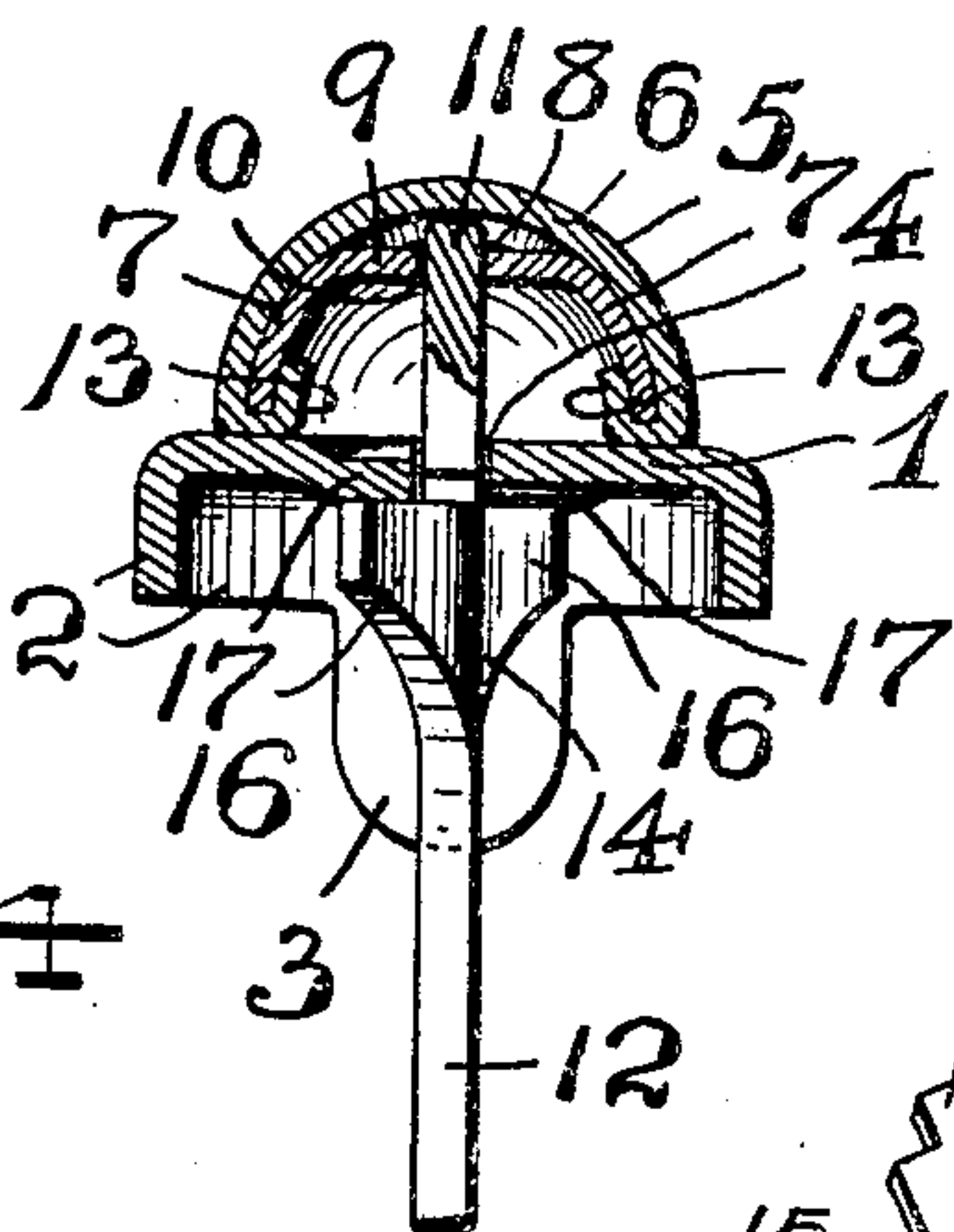


Fig. 4

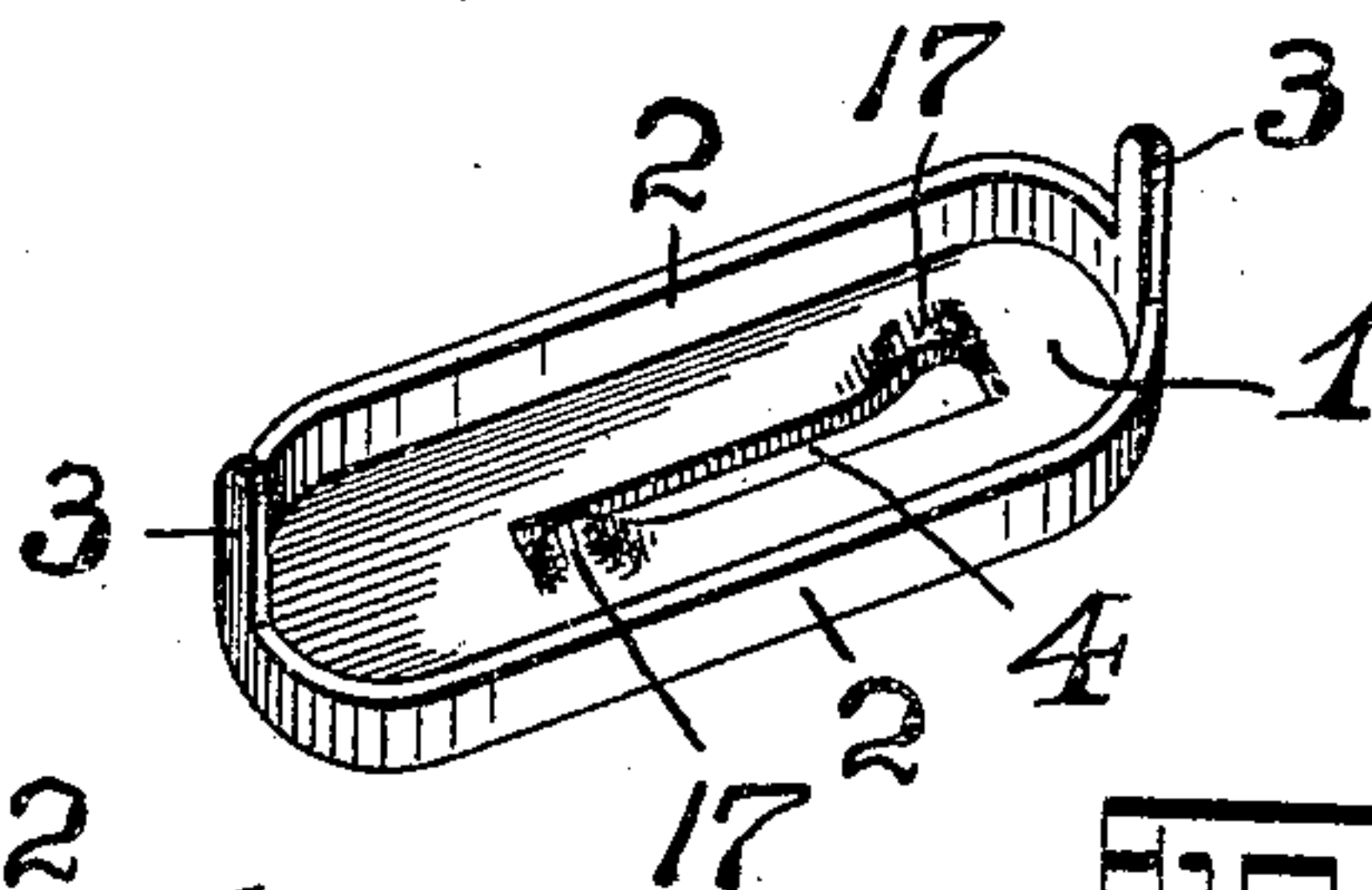


Fig. 5

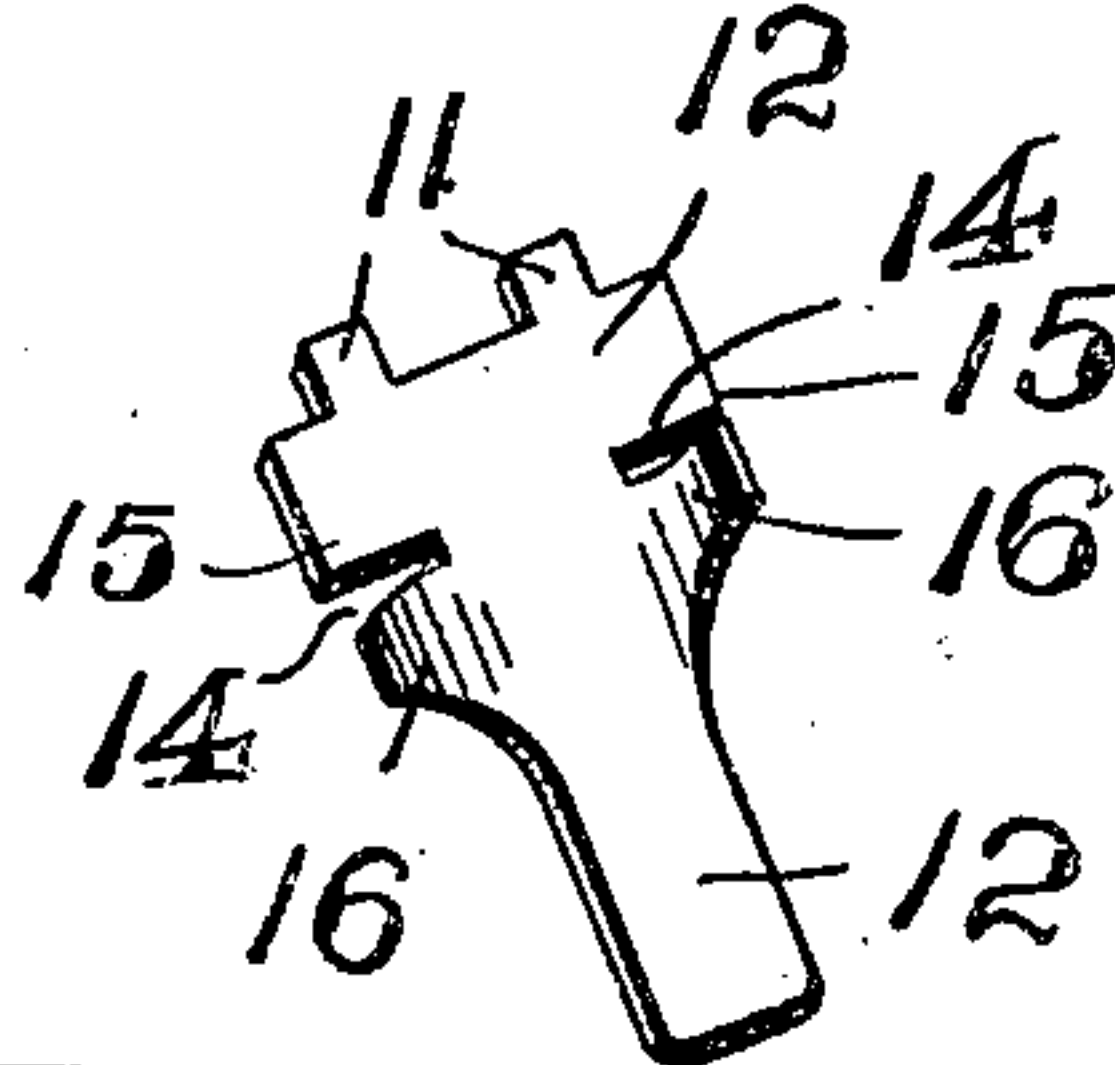


Fig. 6

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INVENTOR:

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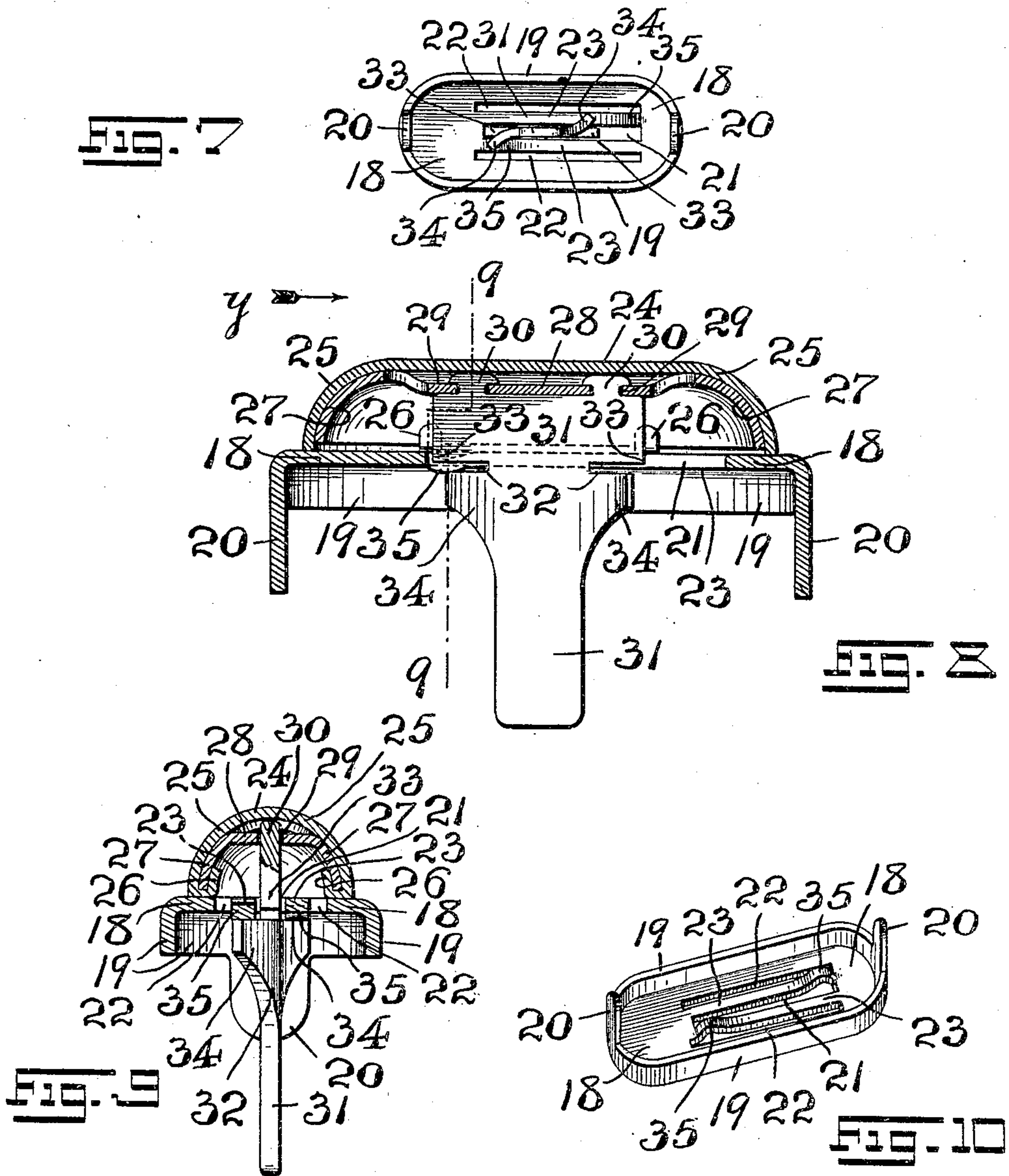
Frauentzel and Richards
ATTORNEYS

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2 SHEETS—SHEET 2.



WITNESSES:
Frederick H. W. Frauentzel
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UNITED STATES PATENT OFFICE.

JOSEPH S. ISIDOR, OF NEWARK, NEW JERSEY.

BAG-FASTENER.

954,735.

Specification of Letters Patent.

Patented Apr. 12, 1910.

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To all whom it may concern:

Be it known that I, JOSEPH S. ISIDOR, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Bag-Fasteners; 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, reference being had to the accompanying drawings, and to characters of reference marked thereon, which form a part of this specification.

The present invention has reference generally to improvements in that class of fastening or locking devices, such as are usually employed with bag-frames, and the like, and which are known in the art as bag-fasteners; and, the invention relates, more particularly, to a fastening or locking device for bag-frames, which is very simple in construction and in its operation, and in which the number of parts necessary to effective and easy operation have been reduced to a minimum.

My present invention, therefore, has for its principal object to provide a fastening device for bag-frames, and the like, in which the outer shell or case has a neat appearance, showing no lines, joints, or rivet heads; and, in which there are but few internal parts, which are arranged so as to render the operation of said fastening device easy and effective, and at the same time obviating the liability or chance of any disarrangement of the various parts.

Other objects of this invention not at this time more particularly enumerated will be clearly understood from the following detailed description of my present invention.

The invention consists, primarily, in the novel fastener for bag-frames of the general character hereinafter set forth; and, furthermore, this invention consists in the novel arrangements and combinations of parts, as well as in the details of the construction of the same, all of which will be more fully described in the following specification, and then finally embodied in the clauses of the claims which are appended to and which form an essential part of this specification.

The invention is clearly illustrated in the accompanying drawings, in which:—

Figure 1 is a front or face view of a bag-frame fastener representing one embodiment

of the present invention; and Fig. 2 is a bottom view of the same; Fig. 3 is a central longitudinal vertical section of a bag-frame catch embodying the principles of this invention, the same being drawn upon an enlarged scale. Fig. 4 is a transverse section of the same, taken on line 4—4 in said Fig. 3, looking in the direction of the arrow *x*. Fig. 5 is a perspective view of a base-plate or support forming an essential part of the said fastener; and Fig. 6 is a perspective view of a bolt-plate or post used in connection with my novel fastening device. Fig. 7 is a bottom view of a bag-frame fastener or catch of a slightly modified construction; and Fig. 8 is a central longitudinal vertical section of the same, the said section being illustrated upon an enlarged scale. Fig. 9 is a transverse section of the same, taken on line 9—9 in said Fig. 8, looking in the direction of the arrow *y*, and Fig. 10 is a perspective view of the base-plate or support-member of the said modified form of bag-frame catch.

Similar characters of reference are employed in all of the above described views, to indicate corresponding parts.

Referring now more particularly to Figs. 1 to 6 inclusive, the reference-character 1 indicates a chambered and preferably elongated support or base provided with a surrounding flange 2 from which extend, at suitable intervals, suitable fastening lugs or prongs 3 which are adapted to be inserted in correspondingly placed holes in the bag-frame section for securing the support or base 1 in place, upon a bag-frame section, as will be clearly evident. In its face-portion, the said support or base is provided with a longitudinally extending slot 4, for the purposes to be subsequently described. Slidably arranged upon said support or base 1 is a shell 5 which forms a suitable slide or fingerpiece, the same comprising a suitably formed and chambered shell or case 6. Fitted within the chambered part of the said shell or case 6 is a second shell 7, which is also chambered, substantially as shown, the upper convex portion of said shell 7 being depressed, as at 8, so as to provide a flat or straight surface-portion 9. This flat or straight surface-portion is provided with two or more holes or perforations 10 for the reception of correspondingly located rivet-lugs or stud-like members 11 of a locking or holding bolt-plate or post 12, which extends in a downward direction from the

under surface of said flat or straight surface-portion 9 of said shell 7, and through the longitudinally extending slot or opening 4 with which the said base-plate or support 1 is provided, and in which slot the said post is slidably arranged. That the said inner shell 7 may be permanently secured within the chamber of the shell or case 6, the latter is provided with a plurality of suitably arranged and located lugs or tongues 13 which are adapted to be turned over the marginal edges of said inner shell 7. To secure these connected shells 6 and 7 and the bolt-plate or post 12 in their slidable and operative relation with and upon the said base-plate or support, the said bolt-plate or post 12 is made with suitably formed slots or cut-out portions, as 14, which extend from the vertical edges of said bolt-plate or post 12, toward each other and are arranged so as to form suitable shoulders 15 which project into the slot or opening 4 of the base-plate or support 1, and which respectively engage with the ends thereof so as to limit the sliding movement of the said connected shells 6 and 7 and the bolt-plate or post 12 with relation to said base-plate or support 1. Below said inwardly extending slots or cut-out portions 14, the width of said bolt-plate or post 12 is decreased, so as to form thereby a pair of ears or lugs 16 which are located below the under surface of said base-plate or support 1, when the parts have been assembled, as clearly shown in the drawings. The said ears or lugs 16 are bent, so as to extend on opposite sides of the portions directly beneath said slots 14, so that said ears or lugs 16 are arranged beneath said slot or opening 4, and extend respectively beyond the longitudinal edge-portions of said slot 4. The said base or support 1 is further provided, adjacent to said slot or opening 4, at one edge or side thereof and at or near one end, with a raised or pressed up portion 17; and, in a like manner, at the other edge or side and the other end of said slot or opening 4, the base-plate or support is formed with another raised or pressed-up portion 17. The said raised or pressed-up portions 17 are respectively engaged by the said ears or lugs 16, and by exerting a binding or frictional engagement therewith tend to retain said connected shells 6 and 7 and the bolt-plate or post 12 in either the locked or unlocked position, when the said bag-frame catch is operatively connected with a bag-frame, or the like, and according to the positions of the slide or finger-piece 5.

It will thus be understood, that my present invention provides an exceedingly simple bag-frame catch or fastener of few parts, doing away with the necessity of separate springs and small parts which are so easily disarranged, and whereby the bag-frame

catch may be rendered ineffective in performing its functions.

Referring now to Figs. 7, 8, 9 and 10 of the accompanying drawings, there is illustrated therein a slightly modified form of bag-frame catch or fastener made according to and embodying the principles of the present invention. This modified construction of bag-frame-catch or fastener comprises a base-plate or support 18 having flanges 19 and fastening lugs or prongs 20. The said base or support 18 is provided with a centrally disposed slot or opening 21, and a pair of slots or openings 22 extending parallel to said slot or opening 21, in such a manner, so as to provide longitudinally extending bars or engaging members 23, one upon each side of said slot or opening 21. Slidably arranged upon the upper face-portion of said support or base 18 is a slide or finger-piece 24, the same comprising the outer chambered shell or case 25 provided with a plurality of fastening lugs or tongues 26. Fitted within the chambered part of said shell or case 25, and secured therein by means of said lugs or tongues 26, is an inner shell 27 which is provided with a flat or straight surface-portion 28. This flat or straight surface-portion 28 is provided with two or more holes or perforations 29 for the reception of correspondingly located rivet-lugs or posts 30 of a locking or holding bolt-plate or post 31, which extends in a downward direction from the under surface of said flat or straight surface-portion 28 of said shell 27, and through the longitudinally extending slot or opening 21 in which it is slidably arranged. To secure these connected shells 25 and 27 and the bolt-plate or post 31 in their slidable and operative relation with said base-plate or support 18, the said bolt-plate or post 31 is provided with a pair of inwardly extending slots or cut-out portions 32, said slots extending from each vertical edge of said bolt-plate or post 31, and being arranged so as to form the shoulders 33 which project into said slot or opening 21 of said base or support 18, and which engage respectively with the ends thereof to limit the sliding movement of the said connected shells 25 and 27 and the bolt-plate or post 31 with relation to said base or support 18. Below the said slots or cut-out portions 32, the width of said bolt-plate or post 31 is decreased forming thereby a pair of ears or lugs 34 which are located below the under surface of said base or support 18, and said ears or lugs being curved or bent so as to extend one over one of said longitudinally extending bars 23 and the other over the other of said longitudinally extending bars 23. The said bars 23 are further provided with raised or pressed-up portions 35, the raised or pressed-up portion of one bar being adjacent to one end of said slot or opening 21,

and the raised or pressed-up portion of the other bar being adjacent to the other end of said slot or opening 21. The said raised or pressed-up portions 35 are respectively engaged by said curved ears or lugs 34, and by exerting a binding or frictional engagement therewith tend to retain said connected shells 25 and 27 and said bolt-plate or post 31 either in the locked or unlocked position, when said bag-frame catch is operatively connected with a bag-frame, or the like.

I am aware that various changes may be made in the general arrangements and combinations of the devices and parts, as well as in the details of the construction of the same, without departing from the scope of the present invention as described in the accompanying specification, and as defined in the appended claims. Hence, I do not limit my invention to the exact arrangements and combinations of the devices and the parts of the same, as set forth in the foregoing specification, nor do I confine myself to the exact details of the construction of any of the said parts as illustrated in the accompanying drawings.

I claim:—

1. In a fastening device for bag-frames and the like, a main support or base adapted to be secured upon a bag-frame section, said support or base being provided with a longitudinal slot or opening, a slide or finger-piece carrying a bolt-plate slidably arranged upon said support or base, said bolt-plate being adapted to extend downwardly through said slot or opening, and curved ears or lugs connected with and forming integral parts of said bolt-plate and adapted to engage the under side of said support or base.

2. In a fastening device for bag-frames and the like, a main support or base adapted to be secured upon a bag-frame section, said support or base being provided with a longitudinal slot or opening, a slide or finger-piece carrying a bolt-plate slidably arranged upon said support or base, said bolt-plate being adapted to extend downwardly through said slot or opening, curved ears or lugs extending outwardly from and forming integral parts of said bolt-plate, one of said ears or lugs extending over one edge of said slot or opening, and the other ear or lug extending over the opposite edge of said slot or opening, both of said ears or lugs being arranged to engage the under side of said support or base.

3. In a fastening device for bag-frames and the like, a main support or base adapted to be secured upon a bag-frame, said support or base being provided with a longitudinal slot or opening, a slide or finger-piece slidably arranged upon said support or base, a bolt-plate connected with said slide or finger-piece, said bolt-plate being adapted

to extend downwardly through said slot or opening, curved ears or lugs connected with said bolt-plate and adapted to engage the under side of said support or base, and means connected with said support or base for establishing a frictional holding engagement between said support or base and one of said ears or lugs at the end of either sliding movement of said slide or finger-piece and said bolt-plate.

4. In a fastening device for bag-frames and the like, a main support or base adapted to be secured upon a bag-frame, said support or base being provided with a longitudinal slot or opening, a slide or finger-piece slidably arranged upon said support or base, a bolt-plate connected with said slide or finger-piece, said bolt-plate being adapted to extend downwardly through said slot or opening, curved ears or lugs connected with said bolt-plate and adapted to engage the under side of said support or base, and means connected with said support or base for establishing a frictional holding engagement between said support or base and one of said ears or lugs at the end of either sliding movement of said slide or finger-piece and said bolt-plate, said means comprising a raised or pressed-up portion at one side and at one end of said slot or opening of said base or support, and a similar raised or pressed-up portion at the other side and at the other end of said slot or opening.

5. In a fastening device for bag-frames and the like, a main support or base adapted to be secured upon a bag-frame, said support or base being provided with a slot or opening in proper location, a slide or finger-piece arranged above said support or base, a bolt-plate connected with said slide or finger-piece and slidably arranged in said slot or opening, shoulders on said bolt-plate adapted to engage the ends of said slot or opening as stops, and a pair of oppositely extending curved ears or lugs integrally connected with said bolt-plate and adapted to engage the under side of said support or base to retain said slide or finger-piece and said bolt-plate in its operative relation with said support or base.

6. In a fastening device for bag-frames and the like, a main support or base adapted to be secured upon a bag-frame, said support or base being provided with a slot or opening in proper location, a slide or finger-piece arranged above said support or base, a bolt-plate connected with said slide or finger-piece and slidably arranged in said slot or opening, shoulders on said bolt-plate adapted to engage the ends of said slot or opening as stops, a pair of oppositely extending curved ears or lugs integrally connected with said bolt-plate and adapted to engage the under side of said support or base to retain said slide or finger piece and

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said bolt-plate in its operative relation with said support or base, and means connected with said support or base for establishing a frictional holding engagement between said support or base and one of said curved ears or lugs at the end of either sliding movement of said slide or fingerpiece and said bolt-plate.

7. In a fastening device for bag-frames and the like, a main support or base adapted to be secured upon a bag-frame, said support or base being provided with a slot or opening in proper location, a slide or finger-piece arranged above said support or base, a bolt-plate connected with said slide or finger-piece and slidably arranged in said slot or opening, shoulders on said bolt-plate adapted to engage the ends of said slot or opening as stops, a pair of oppositely extending curved ears or lugs integrally connected with said bolt-plate and adapted to engage the under side of said support or base to retain said slide or fingerpiece and said bolt-plate in its operative relation with said support or base, and means connected with said support or base for establishing a frictional holding engagement between said support or base and one of said curved ears or lugs at the end of either sliding movement of said slide or fingerpiece and said bolt-plate, said means comprising a raised or pressed-up portion at one side and

at one end of said slot or opening of said base or support, and a similar raised or pressed-up portion at the other side and at the other end of said slot or opening.

8. A bag-fastener comprising a main base-plate, and a shell slidably connected therewith, a bolt-plate extending downwardly from said shell, said bolt-plate being formed with retaining lugs forming integral parts of said bolt-plate and extending from the opposite faces thereof, and means upon said base-plate with which said retaining lugs of said bolt-plate are adapted to be brought in separable frictional holding engagement.

9. A bag-fastener comprising a main base-plate, and a shell slidably connected therewith, a bolt-plate extending downwardly from said shell, said bolt-plate being formed with retaining lugs forming integral parts of said bolt-plate and extending from the opposite faces thereof, and engaging members pressed out of said base-plate with which said retaining lugs of said bolt-plate are adapted to be brought in separate frictional holding engagement.

In testimony, that I claim the invention set forth above I have hereunto set my hand this 28th day of January, 1910.

JOSEPH S. ISIDOR.

Witnesses:

FREDK. C. FRAENTZEL,

FREDK. H. W. FRAENTZEL.