Oct. 16, 1923. 1,470,843

B. A. JOHNSON

HOLDING DEVICE

Filed March 11, 1922

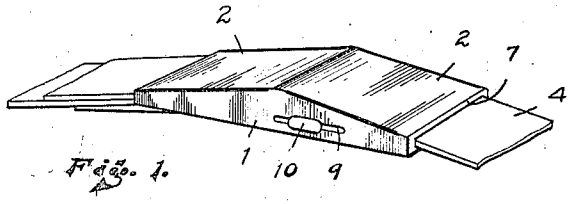


Fig. 1.

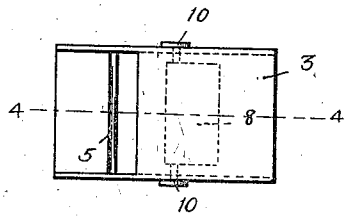


Fig. 2.

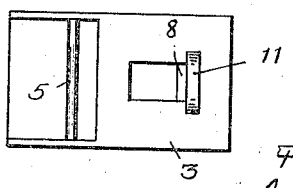


Fig. 3.

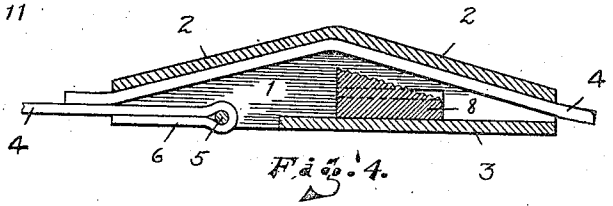


Fig. 4.

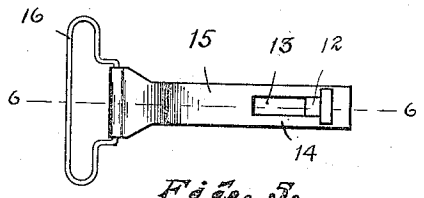


Fig. 5.

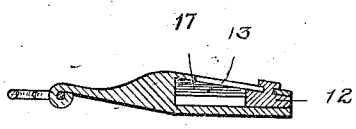


Fig. 6.

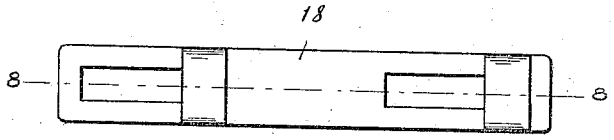


Fig. 7.

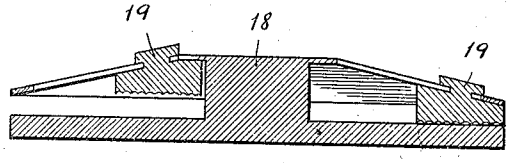


Fig. 8.

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UNITED STATES PATENT OFFICE.

BENGT A. JOHNSON, OF DULUTH, MINNESOTA.

HOLDING DEVICE.

Application filed March 11, 1922. Serial No. 542,364.

To all whom it may concern:

Be it known that I, BENGT A. JOHNSON, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Holding Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to hold fast means and has special reference to a novel form of device which may be employed in various ways such as a buckle or garment holding means.

The principal object is to produce a simple, efficient and dependable device of this character.

Other objects and advantages will appear in the further description of the invention.

Referring to the accompanying drawing forming part of this application in which like reference characters indicate like parts:

Figure 1 is a perspective view of one form of the device employed as a belt buckle;

Figure 2 is an under side plan view of Figure 1;

Figure 3 is a similar view to Figure 2 showing a modified form of jaw adjusting device,

Figure 4 is an enlarged transverse sectional view on the line 4—4 Figure 2,

Figure 5 is a top plan view of the device as employed in one form of garment holder,

Figure 6 is a transverse sectional view on the line 6—6, Figure 5,

Figure 7 is a still further modified form of the device as a garment support and

Figure 8 is a transverse sectional view on the line 8—8, Figure 7.

In the buckle form of the device a double ended housing composed of the side walls 1—1, inclined top walls 2—2, and bottom wall 3, is provided, it being of the general size to accommodate the strap to be cooperatively used therewith, such for example as a belt strap 4. The bottom wall 3 of the housing preferably terminates a short distance beyond a center line thereof and spaced from said termination is a transverse bar or rod 5 to which the stationary end 6 of the strap 4 is permanently fixed as by stitching or the like.

The elongated narrow opening in the wholly surrounded end 7 of the housing is of a size to conveniently accommodate the strap, while the other end, having no bottom therein, freely admits of the manipulation of the free end of the strap through the housing above the fixed end thereof.

Within the enclosed end of the housing is slidably mounted a gripping jaw 8, the same normally resting upon the inner surface of the bottom 3. Through suitable slots 9 in the side walls 1 of the housing and securely fixed into the sides of the jaw 8 are any desired form of adjusting knobs 10 which protrude slightly beyond the side walls and if preferred these knobs may be mounted upon the terminals of a rod or pin extending wholly through the jaw 8. By this means the jaw may be manually slid back and forth on the bottom 3 of the housing and as is apparent from Figure 4 of the drawing, the sliding of this jaw which has an inclined upper surface parallel with the inclination of the adjacent top wall 2 of the housing will tend to diminish the space intermediate of it and the under side of the inclined surface adjacent thereto. Thus when the free end of the strap 4 is slipped into the end 7 of the housing over the jaw 8, and eventually through the opposite end of the housing, the jaw 8 may be adjusted at any time to either free or bind the strap intermediate of the jaws and the inclined upper wall of the housing. Furthermore if the jaw is in close juxtaposition to the strap when the latter is accidentally or otherwise drawn outwardly of the housing the jaw 8 will automatically operate to impinge said strap and prevent its withdrawing.

In Figure 3 of the drawing the same form of housing and strap attaching and operating device is employed, the only exception being that the device 11 for operating the jaw 8 therein protrudes downwardly through a suitable opening in the bottom 3 of the housing and is adjustable from the under side of the buckle instead of the lateral sides thereof, such being a somewhat preferred form for a belt buckle.

In Figures 5 and 6 is shown a garment supporting clip involving the same non-slipping mechanism except that the slidable impinging jaw 12 is operated through a slot 13 upon the upper inclined wall 14 of the double finger like member 15, the latter having a hold fast means 16 attached to one end thereof while it is bifurcated at the opposite end and in such a way the

upper border of a stocking or sock may be slipped therein when the locking device or key may either close downwardly by hand or gravity as the case may be when the outward movement of the garment being thus engaged will be instantly and automatically retarded.

The side walls 17 of the upper half of the bifurcated portion of the clip are bent downwardly at right angles to the upper face thus forming a guideway for the jaw 12 and avoiding accidental dislodgment therefrom, also acts as a reinforcement for the upper half of the clip and prevents any portions of an engaged garment from catching behind the jaw.

In Figures 7 and 8 is shown a still further modification of the invention which comprises a double ended clip 18 having a sliding jaw 19 in either end thereof, they being installed in a like manner to that just previously described and shown in Figures 5 and 6.

This device as is obvious may be used for securely holding together two portions of the wearing apparel on a person's body and become very convenient for such purpose.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

A strap buckle of the character described being substantially rectangular in plan view having a straight horizontal bottom under a portion thereof, and an upper wall humped centrally forming two downwardly inclined inner surfaces one converging towards the outer end of the bottom, and the other serving to hold the overlapping ends of the strap close together, a slidable jaw having an upper surface parallel with one of the inclined upper surfaces of the buckle, means for manually operating the jaw longitudinally of and in constant engagement with the bottom of the buckle whereby to optionally impinge the free end of the strap when drawn through the buckle, and a bar transverse the open bottom at the other end of the buckle for permanent attachment to the opposite end of the strap.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

BENGT A. JOHNSON.

Witnesses:
S. C. BRONSON,
S. GEO. STEVENS.