N. A. DIDIERJEAN.

FASTENING FOR BOOTS, LEGGINGS, AND GLOVES.

APPLICATION FILED APR. 10, 1913.

1,084,408. Patented Jan. 13, 1914.

Fig. 1.

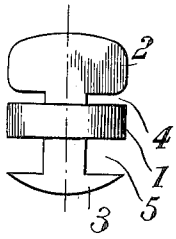


Fig. 2.

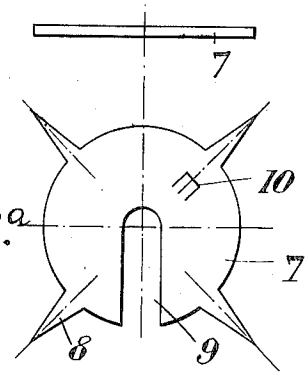
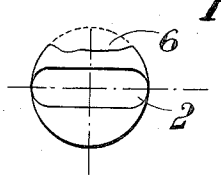


Fig. 2a.

Fig 1a



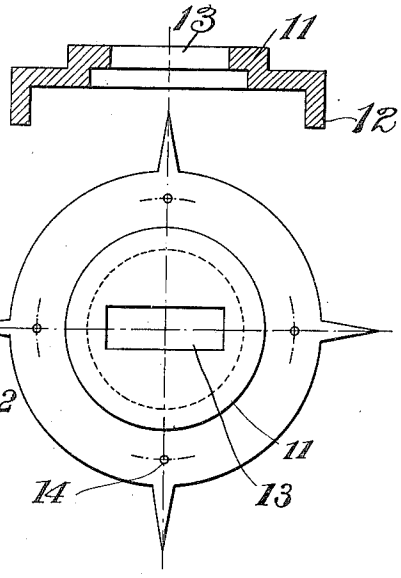


Fig. 3.

Fig. 3a.

Fig. 4.

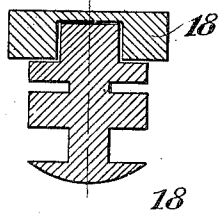


Fig. 4a.

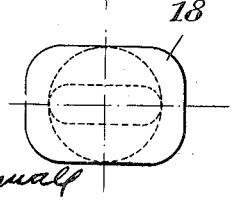
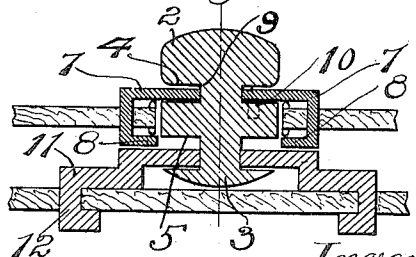


Fig. 5.



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UNITED STATES PATENT OFFICE.

NICOLAS ALEXIS DIDIERJEAN, OF ST. QUENTIN, FRANCE.

FASTENING FOR BOOTS, LEGGINGS, AND GLOVES.

1,084,408. Specification of Letters Patent. Patented Jan. 13, 1914.

Application filed April 10, 1913. Serial No. 760,288.

To all whom it may concern:

Be it known that I, NICOLAS ALEXIS DIDIERJEAN, a citizen of the French Republic, and resident of St. Quentin, France, have invented certain new and useful Improvements in Fastenings for Boots, Leggings, and Gloves, of which the following is a specification.

This invention relates to improvements in the fastenings described in the American Patent No. 980615, 1910, its object being to render the construction of these fastenings as simple and as little expensive as possible.

In the accompanying drawings: Figure 1 is a side elevation of the rotatable male member of my improved fastening. Fig. 1ª is a top plan view of same. Fig. 2 is a side elevation of the guide plate which cooperates with the rotatable member. Fig. 3 is a cross section of the female member of the fastening. Fig. 3ª is a plan view of the same. Fig. 4 is a section of the male member of the fastening when applied to gloves or the like. Fig. 4ª is a plan view of the same. Fig. 5 is a longitudinal section of the fastener, the parts being assembled.

The male or rotatable member of the fastening is formed of a cylinder 1 made of solid metal and flattened at both ends 2 and 3 in such a manner that the flattened ends remain in a central position. The upper flat end 2 is intended to form the head of the fastening. At the lower end of this head two cuts or notches 4 are made on both sides of the head to provide a neck. The lower flat part 3 is also provided near the cylinder with two symmetrical notches 5 which produce a double hook which serves to allow of the securing of the button. One side of the cylinder 1 is cut away forming portion 6, shown in Fig. 2 with which a projection presently to be described cooperates to limit in both directions the amplitude of movement of the rotatable member.

The rotatable member 1 is held in position on the article by means of a plate or washer 7 provided with a plurality of securing points 8 and with an open end slot 9 the object of which is to rotatably receive the neck 4 of the male or rotatable member 1. A strip of material 10 is struck out from the washer 7 and bent downward to form a projection to coöperate with the cut away portion 6.

The female member of the fastening is formed of an inverted cup 11 provided with securing points 12. This cut is formed with a cavity and an elongated slot 13 to receive the double hook of the rotatable member 1. Openings 14 are formed in the cup to receive stitches to provisionally position the cup before its definite position has been determined.

The fastening described above is mounted in the following manner: When the metallic eye plate or washer 7 (Fig. 5) has been put in position on the shoe, glove, etc., the neck 4 of the rotary member is engaged into the slot 9 and pushed into it until it reaches the center of the washer. Then the securing points 8 are bent at right angles; afterward the rotary member is introduced into the washer 7 (Fig. 5). A pressure is then exerted on the rotatable member so that the securing points 8 pass through the leather, hide, etc., projecting from the other side of the latter. When the washer is in position, it is secured by bending the points 8 over on the lower surface as clearly shown by Fig. 5 of the drawing. The female part 11 is secured in a similar manner to the other piece of material in such a position that its slot 13 is exactly opposite the double hook 3 of the male member.

The working of this fastening device will be easily understood. When the head 2 of the member 1 is rotated toward the left hand, one side of the cut away portion of the cylinder 1 abuts against the projection 10 of the washer 7. When the member 1 is in this position the double hook 3 is in line or registering with the slot 13 and penetrates therein; all that is then left to do is to rotate the head 2 of the fastening from the left to the right whereby the double hook 3 is placed at right angles with reference to the said slot and is thus kept in position and prevented from escaping. It will only be allowed to escape by rotating the member 1 in an opposite direction *i. e.* from the right to the left like a key in a lock.

When the device is applied to shoes and gloves, the head 2 of the rotatable member will be embedded in a head piece 18 made of paper or celluloid and having preferably an oval shape (Fig. 4). The said head might also be secured into a solid head piece made of metal or any other suitable material. Fig. 4 shows such a head piece 18.

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

1. A fastener comprising two members,

one member consisting of a rotatable element formed with a head, a flat flanged lower end and a central enlarged portion, said element having a reduced neck between the enlarged portion of the flat flanged lower end and a reduced neck between the head and the central enlarged portion, and a holder formed with an open slot to receive the reduced neck between the head and the central enlarged portion, bendable projections extending from the holder to secure same in position, the second member consisting of a plate formed with a cavity and a slot to receive the flat flanged end of the rotatable element, and bendable projections extending from the plate to secure same in position.

2. A fastener comprising a plate formed with an open slot, means for securing the plate in position, a rotatable element having a central cylindrical portion formed with a cut away portion on one side, an elongated lower flanged end, a reduced neck connecting the flanged end and the central cylindrical portion, a second reduced neck extending upwardly from the central cylindrical portion, said second mentioned reduced neck engaging in the open slot in the plate, a lug extending from the plate and coöperating with the cut away portion on the cylindrical portion to limit the movement of the rotatable element, a second plate formed with a cavity and a communicating slot to receive the elongated lower flanged end of the rotatable element, and means for securing said second mentioned plate in position to coöperate with the rotatable element.

In testimony whereof I have hereunto set my hand in presence of two witnesses.

NICOLAS ALEXIS DIDIERJEAN.

Witnesses:
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JOHN BAKER.