I. MOSS.

SNAP FASTENER.

APPLICATION FILED SEPT. 10, 1920.

1,380,826. Patented June 7, 1921.

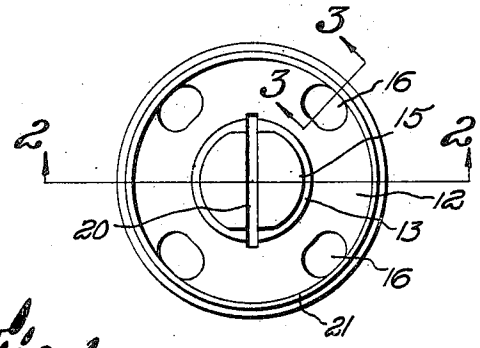


Fig. 1.

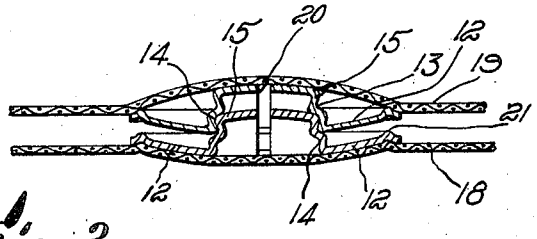


Fig. 2.

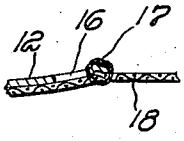


Fig. 3

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SNAP-FASTENER.

1,380,826. Specification of Letters Patent. Patented June 7, 1921.

Application filed September 10, 1920. Serial No. 409,423.

To all whom it may concern:

Be it known that I, ISIDOR MOSS, citizen of the United States, residing at Brookline, in the county of Norfolk and State of Massachusetts, have invented new and useful Improvements in Snap-Fasteners, of which the following is a specification.

This invention relates to a snap fastener of the type shown by Letters Patent No. 1,242,577, dated October 9, 1917, said fastener being composed of two duplicate members each including a base adapted to be secured to a carrying part, such as a portion of a garment, and internal and external engaging surfaces integral with the base, the external surface of each member being complemental to and adapted to snap into engagement with the internal engaging surface of the other member. Said engaging surfaces are portions of a slotted boss surrounded by the attaching base, and projecting from one side of the latter, so that when the members are interengaged one boss is nested in the other. In practice the attaching base of the inner member of the fastener bears on the outer side of the inner carrying part and the boss and the margin of the attaching base of outer member bear on the inner side of the outer carrying part.

Heretofore the attaching base of each member has been flat, so that the entire height of the boss is at one side of the plane of the margin of the attaching base, as shown by the drawings of the above mentioned patent. The inner carrying part, therefore, lies flat against the base of the inner member and the portion of the outer carrying part contacting with the outer member is caused to bulge outward and form a protuberance of considerable height on the outer side of said carrying part. The object of the invention is to reduce the height of said protuberance by so forming the members that the two carrying parts are caused to bulge equally, one bulging inward and the other outward.

I attain this object by the improved form of the attaching base hereinafter described.

Of the accompanying drawings forming a part of this specification, Figure 1 is a top plan view of a fastener embodying the invention.

Fig. 2 is a section on line 2, 2 of Fig. 1, showing the two carrying parts in section.

Fig. 3 is a fragmentary section on line 3, 3 of Fig. 1, showing a portion of one carrying part.

The drawings show the fastener considerably enlarged.

The same reference characters indicate the same parts in each of the figures.

Each of the two duplicate fastener members includes an attaching base 12, of annular form, and a boss 13 surrounded by the base and projecting from one side thereof, the boss being provided with a slot 20 and including a socket portion 14 opening on one side of the base, and a head portion 15 offset from the opposite side of the base and adapted, as described in said patent, to snap into engagement with the socket portion 14 of the other member.

The base 12 is adapted for attachment to a carrying part, preferably by orifices 16 adapted to receive attaching stitches 17.

One of the two fastener members is the inner member, and is attached to an inner carrying part 18. The other or outer fastener member is attached to an outer carrying part 19, the part 18 contacting only with the base of the inner member, while the part 19 contacts only with the head and the margin of the base of the outer member.

In carrying out my invention I impart a dished form to the attaching base 12 of each member so that the base presents a bulging side and a recessed side, the slotted boss projecting from the recessed side and the socket 14 opening on the bulging side.

It will now be seen by reference to Fig 2, that each of the carrying parts 18 and 19 is slightly bulged, the part 18 bulging inward, and the part 19 bulging outward, so that the protuberance on the outer carrying part is of less height than would be the case if the attaching bases were flat as heretofore, the bulge being distributed as shown.

The attaching base 12 is preferably provided with an annular bead 21 close to and parallel with its margin, said bead and the dished form stiffening the base so that the latter is not liable to be bent from its predetermined form.

I claim:

1. A snap fastener composed of two duplicate members each including an attaching base which is dished to present a bulging side and a recessed side, and a slotted hollow

boss surrounded by and projecting from the recessed side of the base, said boss including a socket portion opening on the bulging side of the base and a head portion offset from the recessed side of the base, the head portion of either member being adapted to snap into engagement with the socket portion of the other member, so that one boss receives the head and is superimposed on the other boss, the dished form of the said bases distributing, at opposite sides of the fastener, the displacement, by the fastener, of two carrying parts between which the members are interposed.

2. A snap fastener substantially as specified by claim 1, each attaching base being provided with an annular bead parallel with its margin.

In testimony whereof I have affixed my signature.

ISIDOR MOSS.