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1,867,360

SLIDE FASTENER SOCKET

Filed March 6, 1931

Fig. 1.

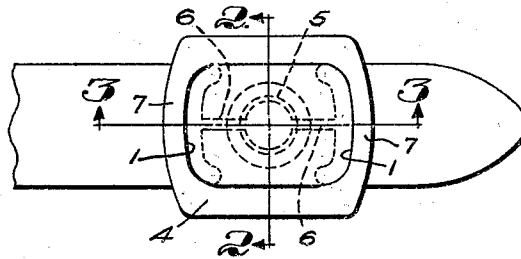


Fig. 2.



Fig. 3.

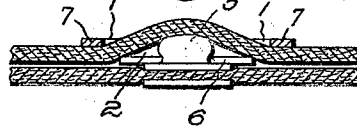
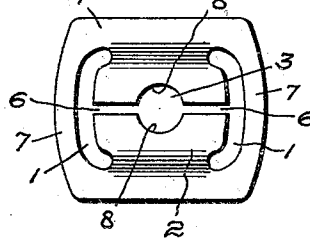


Fig. 4.



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SLIDE FASTENER SOCKET

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My invention aims to provide improvements in slide fastener sockets for attachment to straps, ribbons and the like.

In the drawing which illustrates a preferred embodiment of my invention:—

Figure 1 is a plan view of a fastener assembly including one form of my improved socket;

Fig. 2 is a section taken on the line 2—2 of Figure 1;

Fig. 3 is a section taken on the line 3—3 of Figure 1; and

Fig. 4 is a plan view of the socket before attachment to a strap.

In the preferred embodiment of my invention illustrated by the drawing, I have shown a simple, inexpensive, durable and efficient fastener socket of the slide fastener type. This socket (Fig. 4) is formed from a single piece of sheet metal to provide a relatively thin plate. The plate is provided with a pair of curved strap-receiving slots 1—1 located adjacent to opposite ends thereof. Between the slots 1—1 is provided a depressed portion 2 which has a stud-receiving aperture 3 in the bottom thereof. The remaining portion of the plate provides at the periphery thereof a narrow continuous ledge 4. In order to permit enlargement of the stud-receiving aperture 3 when the socket is engaged with or disengaged from the stud 5, I have provided slots 6—6 in the bottom of the depressed portion 2. The slots 6—6 each extend from the stud-receiving aperture 3 to a strap-receiving slot 4.

The aperture 3 is permitted to be enlarged for the passage of the head of a stud, because the socket is yieldable as a whole due to the narrow ledge and the curved shape of the ends 7—7. When the jaw portions 8—8 are pressed laterally away from each other the curved ends tend to straighten and furthermore some of the bend may take place in the wall portions 9—9 (Fig. 2) which are made as short as practicable by continuing the slots 1—1 in a curved manner at their ends, as shown in Figs. 1 and 4.

While I have illustrated and described a preferred embodiment of my invention, I do not wish to be limited thereby, because the

scope of my invention is best defined by the following claims.

Claims:

1. A slide fastener socket comprising a plate having a stud-receiving aperture therethrough, strap-receiving slots disposed at opposite sides of said stud-receiving aperture, laterally yieldable curved end portions provided by said plate adjacent to said slots and the material of said plate between the stud-receiving aperture and each of said slots being divided by slits to permit straightening movement of said curved end portions thereby providing for enlargement of said aperture when being engaged with or disengaged from a cooperating stud.

2. A slide fastener socket comprising a plate having a central depressed portion provided with a stud-receiving aperture, a continuous yieldable ledge portion at the periphery of said plate, said plate having strap-receiving slots at opposite ends and said depressed portion having slots each of which extends from the stud-receiving aperture to one of the strap-receiving slots thereby to divide the depressed portion into jaw portions movable away from each other due at least partly to the resiliency of the ledge portion thereby to permit enlargement of the stud-receiving aperture when the socket is engaged with or disengaged from a cooperating stud.

3. A one-piece slide fastener socket comprising a plate having a peripheral yieldable ledge 4, a central depressed portion 2 having a stud-receiving aperture 3, said socket having strap-receiving slots 1—1 at opposite ends inside the ledge 4, curved end portions 7—7 adjacent to each of the strap-receiving slots 1—1 adapted to yield inwardly and slots 6—6 extending from the stud-receiving aperture 3 to the slots 1—1, all as and for the purposes illustrated and described.

In testimony whereof I have signed my name to this specification.

GEORGE A. HOLMES.