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F. HIRSH

2,011,634

ADJUSTABLE STRAP FASTENING

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Fig. 1.

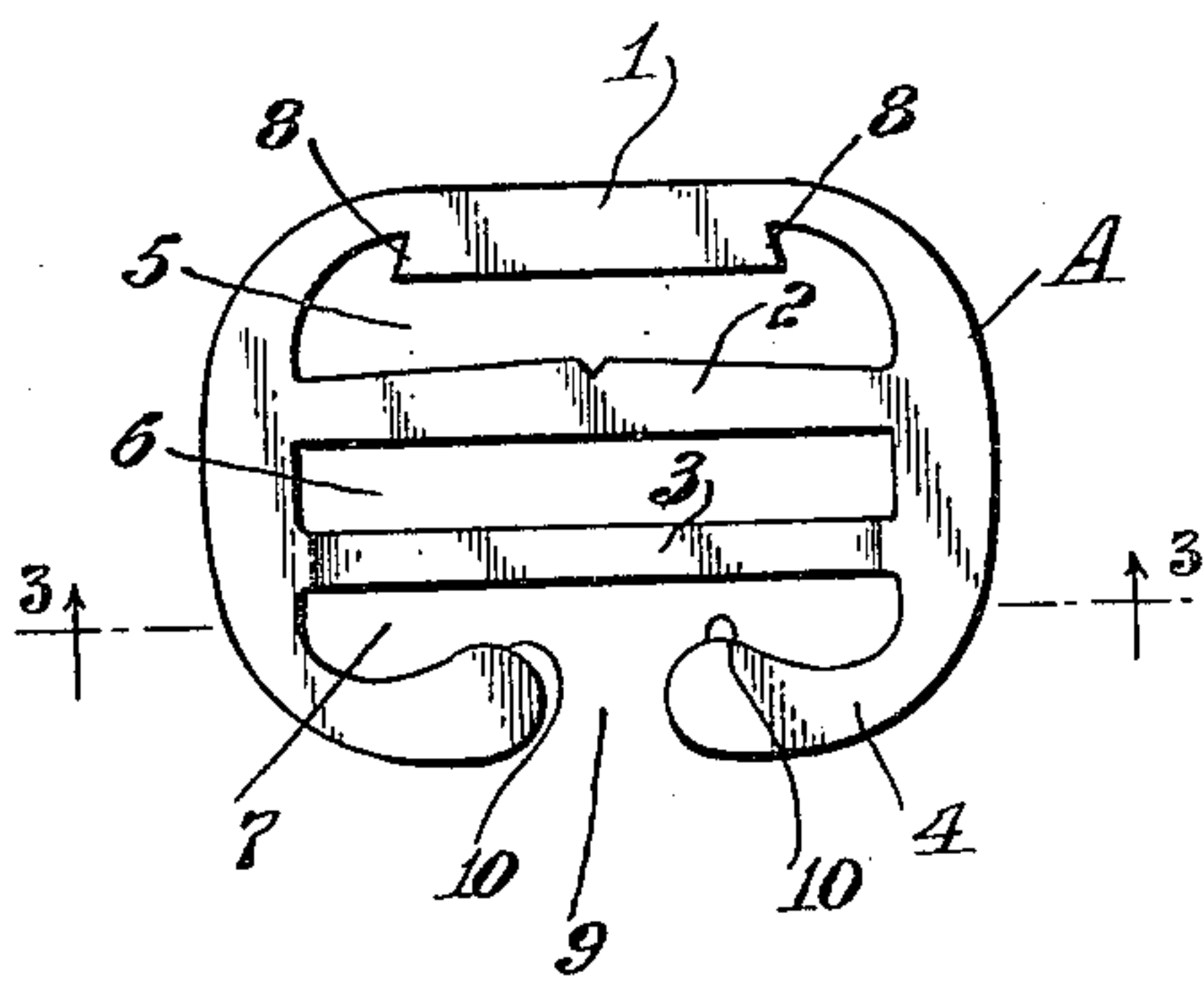


Fig. 2.

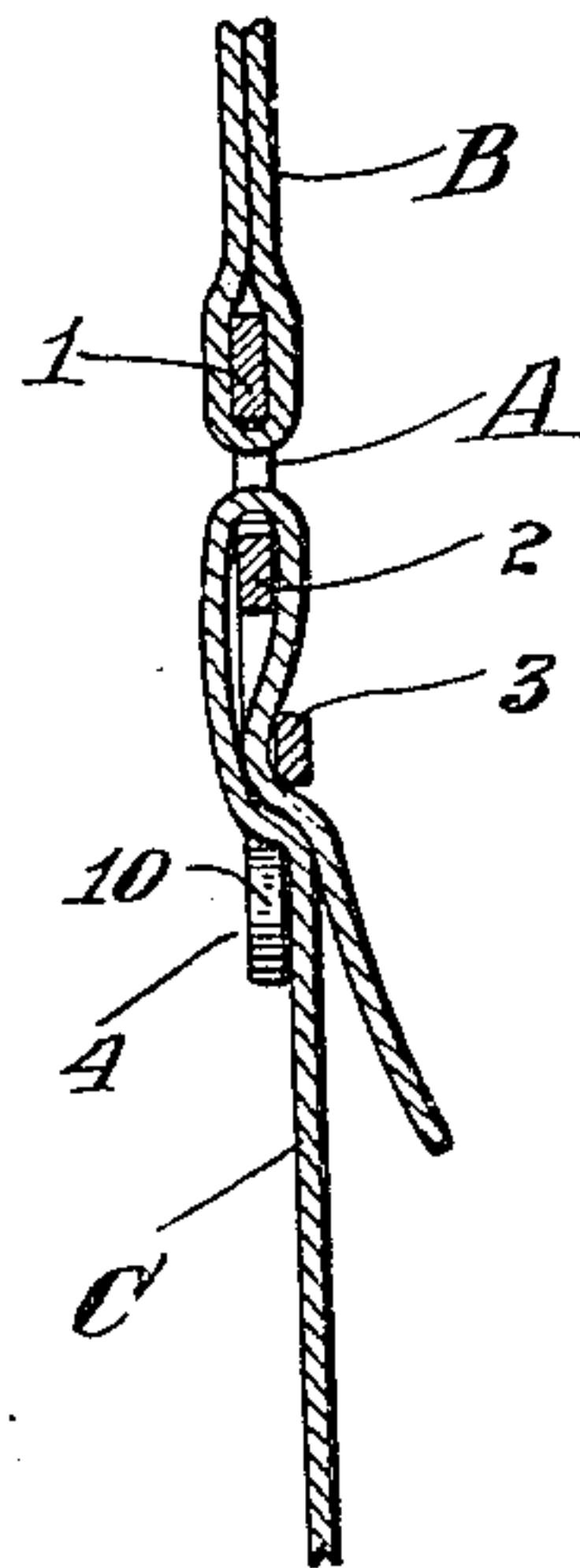
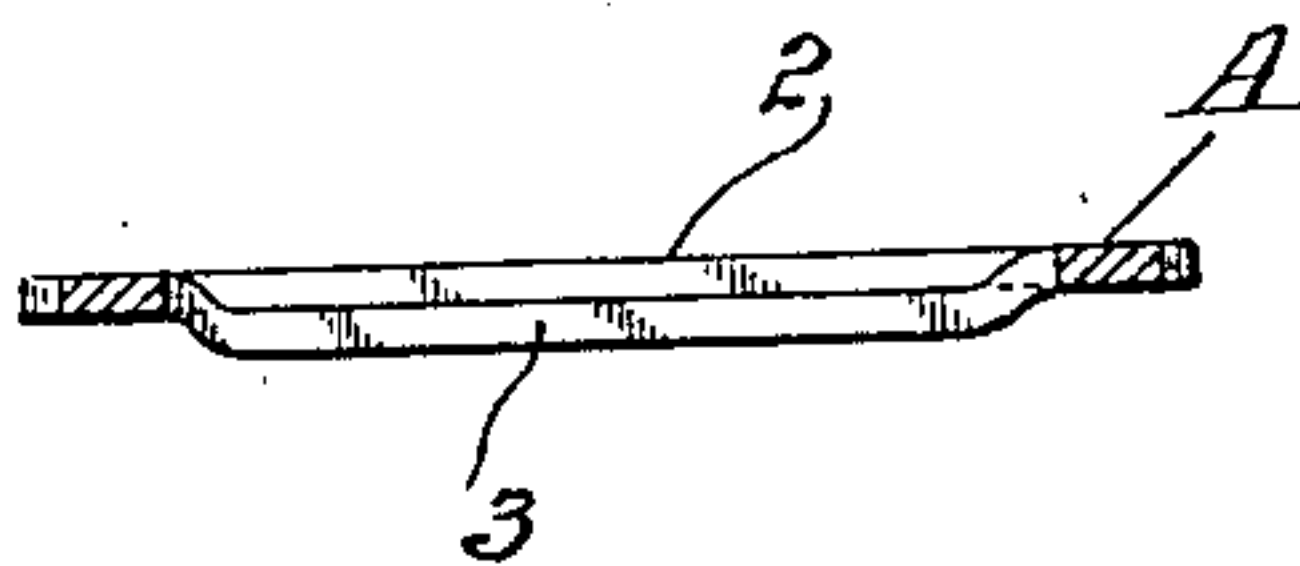


Fig. 3.



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ADJUSTABLE STRAP FASTENING

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Application September 21, 1933, Serial No. 690,369

2 Claims. (Cl. 24-200)

This invention relates to a strap fastening by which straps—shoulder, hose supporter and similar straps, for example—may be adjustably secured to articles of clothing, more particularly women's undergarments, so that they can be readily detached and replaced as often as may be desired; and the object thereof is to improve the adjustable strap fastenings described and claimed in Letters Patent No. 1,398,966 and No. 1,719,470 issued under date of December 6, 1921, and of July 2, 1929, with respect not only to the form of the slide fastener itself but also with respect to the way both in which the fastener is attached to the garment and in which the strap is adjustably secured thereto.

In particular, women find it desirable to frequently remove the shoulder straps of brassières and corsets, as, for instance, to substitute for straps of one color other straps of a different color, and experience has shown that many users of garments equipped with the strap fastenings of my earlier patents have experienced difficulty in threading the straps in the fasteners in the manner therein shown and described—a difficulty which has been minimized in my present improvements.

The invention will be understood by reference to the accompanying drawing, in which—

Figure 1 is a face or plan view of the new slide fastener in its preferred form; Fig. 2 is a view showing in section the fastener equipped with a looped section of tape or ribbon by which it may be secured to the hem of a garment and an end of a strap adjustably secured therein; and Fig. 3 is a sectional view of the fastener on the line 3, 3 of Fig. 1.

As illustrated, the fastening consists of the slide fastener A, a looped section of tape B by which the rear end of the fastener is attached to the hemmed edge of a garment, and the strap C an end of which is threaded through the slots of and so adjustably secured to the fastener.

The fastener A is stamped out from a thin plate of preferably rustless metal and has four transverse bars 1, 2, 3 and 4, with intermediate slots 5, 6 and 7. The inner edge of the rear outer bar 1 is notched at each end to provide the oppositely facing pointed shoulders 8, 8, the forward intermediate bar 3 is offset by the bending of its ends to a plane slightly below or to the back of the plane of the other parts of the fastener, and the forward outer bar 4 is cut away centrally, to provide an opening 9 to the outer slot 7, while the adjacent ends of its two sections are rounded and the convex curves of their ends are extended, on

either side of the opening, in convex curves along the outer edges and in convex-concave curves along the inner edges of the two sections to form the two inturned rounded ears 10, 10.

The fastener is attached to a garment (one at the front and another at the back, for instance) by its rear bar 1, which, if desired, may be stitched directly to the hemmed edge of the garment; but, as shown, a short section of tape or ribbon B is looped around the bar and the ends of this looped tape are to be attached to the hem of the garment. The shoulders 8, 8 of the bar engage this tape and so tend to prevent the shifting of the bar within the loop, or of the loop along the bar, to thereby draw the tape to one or the other end of the adjacent slot in the fastener.

The strap C is adjustably secured to the fastener by passing its free end back through the slot 5, behind the bar 2, and forward through the slot 6, and then inserting both folds of the looped strap in the slot 7 by passing them either together or one at a time through the central opening 9. The free end of the strap is behind and so concealed by the main part thereof, which is a desirable feature. The offset of the bar 3 accommodates the back fold of the looped strap and so prevents an outward bulge of the front fold, while the inturned rounded ears of the forward bar serve to spread the folds of the strap towards the ends of the slot and so to prevent them from being drawn therefrom through the central opening, which consequently can be made relatively wide.

The fastening, as will readily be seen, is a secure one and can be effected with ease since there is nothing to obstruct the slots through which the strap is passed.

The invention can be variously modified in its several details, within the scope of the appended claims, without departing from the spirit or sacrificing the substantial advantages thereof.

What I claim as new, and desire to secure by Letters Patent, is—

1. A slide fastener of the type described comprising a plate cut away to form two outer and two inner bars and three intermediate slots, the rear outer bar having outwardly facing pointed shoulders on the inner edge thereof adjacent its ends, the forward inner bar being depressed by offsets at its ends to a plane behind and below the plane of the other bars, and the forward outer bar only being cut away centrally to provide an opening therethrough to the adjacent slot and having the two sections thereof converted into rounded inturned ears by a convex curvature along the

outer edges around the ends and back along a portion of the inner edges and then merging in a concave curvature.

- 5 2. A slide fastener according to claim 1 attached to a garment by a section of tape looped about the rear outer bar and with a strap adjustably secured therein by the passage of its free end from front to back thereof through the rear intermediate slot and thence behind the rear

inner bar and from back to front through the middle intermediate slot and thence over the front of the forward inner bar and then having both free end and body of the strap inserted in to pass from front to back through the forward intermediate slot and thence behind the sections of the forward outer bar.

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