Sept. 8, 1936. N. I. FLEISCHER 2,053,820

SNAP TAPE

Filed June 5, 1936

Fig 1.

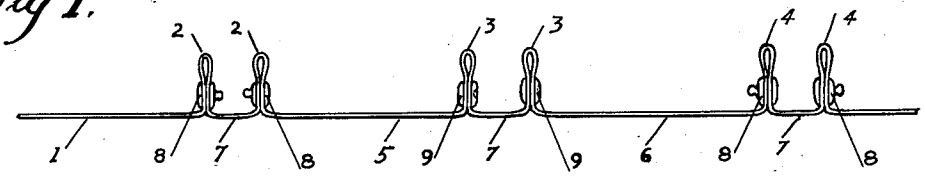
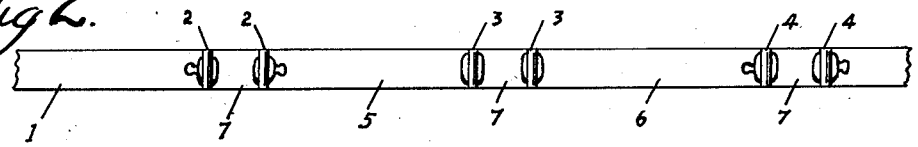


Fig 2.



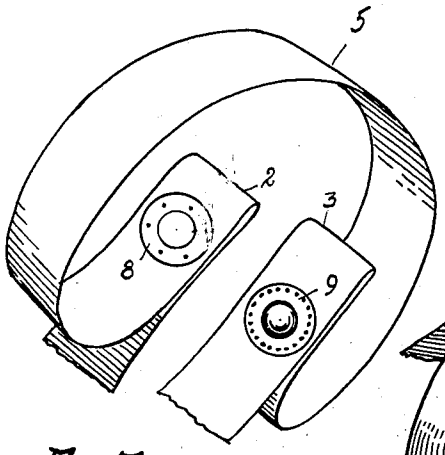


Fig 3.

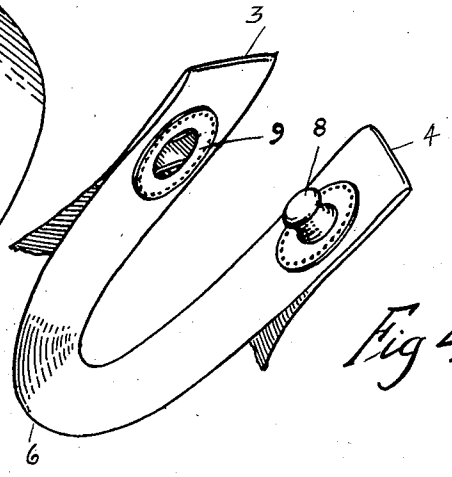


Fig 4.

Inventor
Nathan I. Fleischer,
By Arthur H. Ewald,
Attorney

Patented Sept. 8, 1936 2,053,820

UNITED STATES PATENT OFFICE

2,053,820

SNAP TAPE

Nathan I. Fleischer, Cincinnati, Ohio, assignor to The Fleischer Mills, Inc., Cincinnati, Ohio, a corporation of Ohio

Application June 5, 1936, Serial No. 83,657

2 Claims. (Cl. 2—265)

My invention relates to tape of the type used for the supporting straps and similar elements in the making of women's garments.

The principal object of the present invention is to provide a continuous strip of tape of the kind mentioned with regularly disposed pairs of folds, the folds at the respective ends of each intervening section of tape between the folds being provided with complementary snap elements. In my co-pending application, Serial No. 650,970, patented June 9, 1936, Patent No. 2,043,321, I have covered a tape of similar utility to that of the present invention, and over which the present tape constitutes a further improvement. Tape prepared and constructed in accordance with the disclosure in my co-pending application is directed largely toward facilitating the manufacture and marketing of tape and snaps for the uses above indicated. As so prepared by the manufacturer in long strips, it is wound with the included snaps upon reels or spools, from which the dealer severs a section containing the number of complete portions, each having a section of tape with complementary snap elements at its respective ends, desired by the purchaser. As covered in my said co-pending application, the folds of each of the several pairs are oppositively disposed. This construction, while satisfactory in most respects insofar as the ultimate purchaser is concerned, providing tape sections with snap elements at their respective ends, presents certain difficulties and disadvantages in the matter of winding the same upon reels or spools, for the reason that the oppositely disposed folds tend to become matted and disarranged during handling.

The present invention, constituting an improvement over the previously allowed claims, is designed to overcome the difficulties mentioned and to provide a further improved tape of the kind mentioned.

Further objects of my invention will appear from the following detailed description thereof.

In the drawing:

Figure 1 is an edge view of a strip of tape constructed in accordance with this invention.

Figure 2 is a plan view looking down on the tape illustrated in Figure 1.

Figures 3 and 4 are respectively perspective views of tape sections.

The numeral 1 indicates a strip of tape which may be of any desired material, either of silk or cotton and elastic or non-elastic. It furthermore may be of any desired width. The tape 1 is provided with pairs of folds 2—2, 3—3, 4—4, etc., the pairs being regularly spaced throughout the entire length of the tape. The pairs of folds are separated by the tape sections 5, 6, etc., which are of substantial length so that they may be formed into loops suitable for garment supports and similar uses. Short sections 7 separate the folds of the respective pairs, thus these short sections serve as places where the several loop sections may be separated from the strip, when the section is ultimately to be used. It is, of course, separated so that the loop section 5, for instance, is provided with a fold 2 and a fold 3 at its respective ends. Each of the folds 2—2, 3—3, 4—4, etc., is provided with a snap element, it being essential, of course, that the elements in the folds at the respective ends of each loop section be complementary to each other. As illustrated in the drawing, I have shown the folds 2—2 and 4—4 provided with male elements 8, and the intervening folds 3—3 provided with complementary female elements 9. Thus when the loop section 5 is separated for use by cutting the respective sections 7—7 between loops 2—2 and 3—3 respectively, said loop section is provided with complementary snap elements in its end folds 2 and 3, and the loop section is thus complete and ready for use. Similarly the loop section 6 when separated as indicated is provided at its ends with complementary elements, and so also with all of the loop elements throughout the length of the strip. It is not essential, of course, that the disposition of the respective snap elements be exactly as are shown in the drawing, the only requirement being that the loop sections shall have at their respective ends complementary elements.

From the foregoing description, the nature of my invention will be apparent to those skilled in the art. As indicated above a strip of tape is provided with pairs of loops regularly spaced, separable by the dealer into portions containing any desired number of loop elements, and by the ultimate user into separate loop sections each provided with complementary fastener elements. All of the folds being on the same side of the tape, it will be obvious that the winding of the

same on spools or reels either by machine or hand is greatly facilitated. It is obvious also that modifications may be made in the disposition and arrangement of the snap elements in the folds so as to provide loops of somewhat varying form as indicated respectively in Figures 3 and 4; the loop in Figure 3 has its ends disposed inside the loop by reason of the outward facing, relative to the loop section, of the respective snap elements, while that in Figure 4 has its ends outwardly disposed because of the inward facing of the snap elements. All of said modified arrangements are contemplated as within the scope of the present disclosure.

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

1. As an article of manufacture a strip of material, said strip being provided with a series of regularly spaced pairs of folds, all of the folds being on the same side of the tape, and a separate fastener element secured to each of said folds.

2. As an article of manufacture a strip of material, said strip being provided with a series of regularly spaced pairs of folds, all of the folds being on the same side of the tape, the tape sections between the pairs of folds being of substantial loop forming length, and complementary fastener elements in the folds at the respective ends of each loop forming section.

NATHAN I. FLEISCHER.