J. W. GIDDINGS.

STAPLE TAPE.

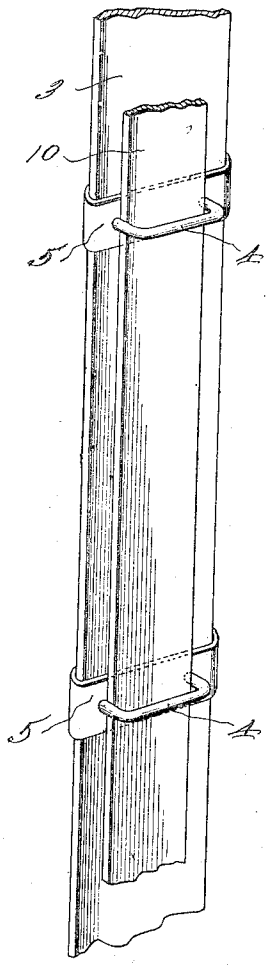
APPLICATION FILED MAR. 1, 1918.

1,289,727.

Patented Dec. 31, 1918.

Fig. 1.

Fig. 2.



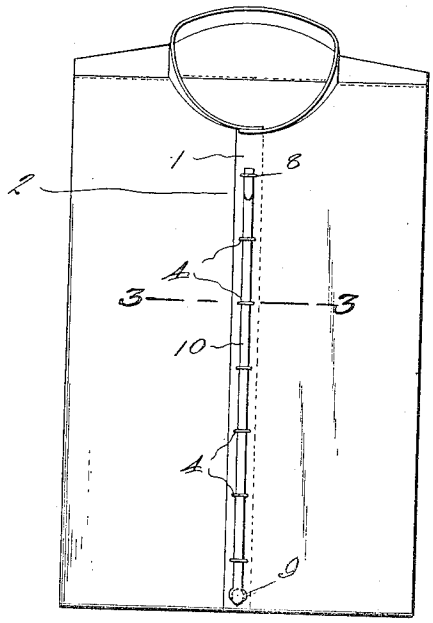


Fig. 3.

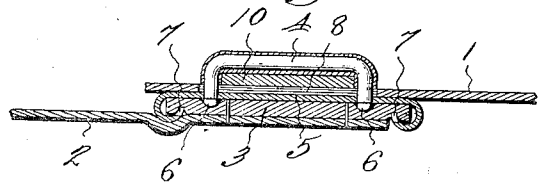
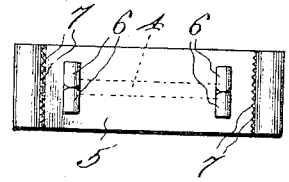


Fig. 4.



WITNESSES.

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UNITED STATES PATENT OFFICE.

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STAPLE-TAPE.

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Application filed March 1, 1918. Serial No. 219,826.

BEST AVAILABLE COPY

To all whom it may concern:

Be it known that I, JAMES W. GIDDINGS, a citizen of the United States, residing at Phoenix, in the county of Maricopa and State of Arizona, have invented new and useful Improvements in Staple-Tape, of which the following is a specification.

This invention relates to fastening means.

It is my purpose to produce, as a new article of manufacture, fastening means whereby garments and various other articles of a textile or flexible nature may have their ends, flaps, etc., securely connected in an expeditious manner.

In carrying out my invention I propose to provide a strip or web with a number of spaced staples, to cut the web at a desired length whereby the same may be secured upon one end or edge of a garment or other article, to provide the fly or adjacent edge of the said article with openings through which the staples are designed to pass, and to secure upon the said fly or edge a strap which may be readily passed through all of the alining staples whereby to easily, quickly, and securely connect the ends or edges of the garment or article.

In the drawings, accompanying this specification,

Figure 1 is a perspective view illustrating the application of the improvement.

Fig. 2 is a perspective view of the improvement detached.

Fig. 3 is an enlarged detail transverse sectional view approximately on the line 3—3 of Fig. 1.

Fig. 4 is a rear elevation of one of the plates.

While in the drawings I have illustrated my improvement in connection with a garment, it is to be understood that the same is not to be thus restricted in its useful application, as the improvement is particularly adaptable for securing the flaps or curtains of automobiles, tents and similar articles having members wherein the edges thereof are to be equally and securely connected.

One of the edges of the garment, illustrated in Fig. 1 of the drawing is designed, of course, to lap the other edge of the garment, and therefore I will refer to the outer edge of the garment as a flap which is indicated by the numeral 1, and the inner edge as a fly, which is indicated by the numeral 2.

In manufacture my device is designed to be made in various lengths and widths to best suit the articles to which the same is to be secured.

The improvement includes a fabric strip or web 3 which, in Fig. 1 of the drawings, is stitched or otherwise secured to the fly 2. The web 3 at determined and equally spaced intervals has secured thereon transversely arranged staples 4. The staples have their legs secured to bendable metallic plates 5, and preferably, and as illustrated in Fig. 3 of the drawings, the legs of the staples are slit centrally from the ends thereof and are passed through openings in the plate 5 and thence bent in opposite directions over the under face of the plate. This is a desirable feature, inasmuch as the bent portions 6 of the legs provide what may be termed obstructing elements which are embedded in the web 3 when the staples are arranged on the web. The ends of the plates 5 are formed with teeth 7, the said plate being bent upon itself adjacent to its said ends so at to arrange the same around the edges of the web 3, and the toothed extremities of the plate are bent upwardly toward the plate proper and are inserted in the under face of the web 3. By this arrangement it will be seen that the staples may be readily secured to the web and are effectively supported on the web. The staples also provide reinforcing elements for the web.

The flap 1 is provided with transverse openings, in the nature of buttonholes 8, of a number corresponding with the number of staples, and one of the staples is designed to be passed through each of the said openings when the flap is to be secured on the fly of the garment.

Secured to the outer face of the fly 2, as at 9 is a strap 10. This strap is passed through the projecting staples for securing the edges of the garment connected. It will be apparent that the end of the strap 10 may be bent upon itself and passed through one of the staples should it be found desirable for thus securing the free end of the strap, and from the foregoing description, when taken in connection with the drawings, it is thought merely necessary to state that the strap may be secured to one end of the web, if desired, in which instance, of course, the said end of the web projects beyond the end of the garment or other article to which it is secured.

What I claim is:

1. As an article of manufacture, a fasten-

ing means for the lapping edges of articles, comprising a web secured to the inner edge of the article, staples arranged transversely of the web, metallic base plates for the staples disposed over the web, contacting with the edges of the said web and secured to the inner face of the web, the outer edge of the article having openings through which the staples are designed to pass, and a strap member passed through the projecting ends of the staples.

2. In a means for connecting the lapping edges of garments or the like, and as an article of manufacture, a web designed to be secured to the inner edge of the article, staples arranged transversely of the web, a base plate for each of the staples having openings therein, the legs of the staples being slitted from their ends and passed through the openings and bent in opposite directions over the under face of the plate, said plate having its edges toothed, said plate being bent around the edges of the web and having its toothed portions inserted in the under face of the web, the outer edge of the member having openings through which the staples are passed, and a strap member passing through the projecting portions of all of the staples.

In testimony whereof I affix my siganture.

JAMES W. GIDDINGS.