

April 10, 1951

F. C. STEIN

2,548,827

CUFF TACKER ATTACHMENT

Filed July 20, 1948

Fig. 1.

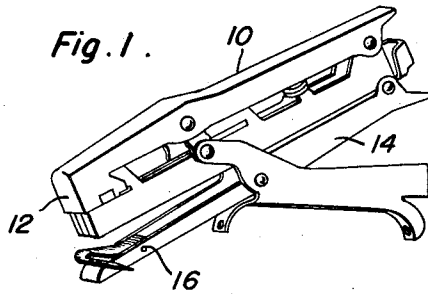


Fig. 2.

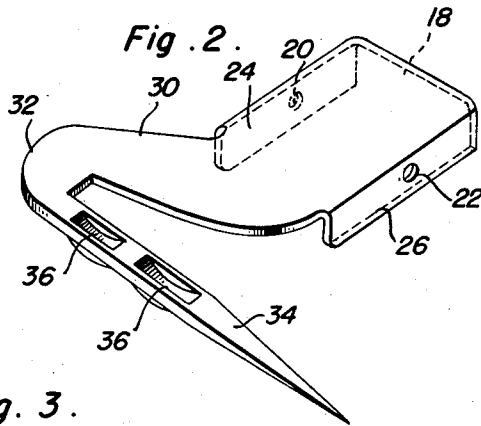


Fig. 3.

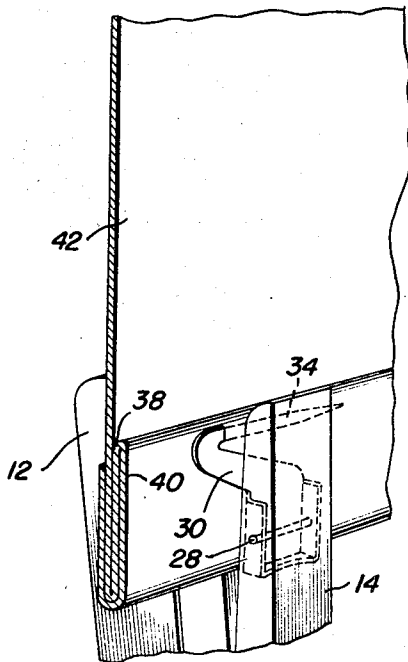
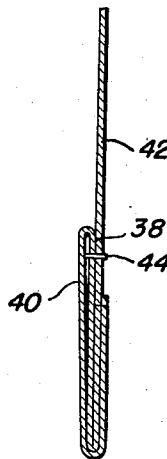


Fig. 4.



Fred C. Stein
INVENTOR.

BY *Chance A. Brown*
and Harvey B. Jackson
Attorneys

Patented Apr. 10, 1951

2,548,827

UNITED STATES PATENT OFFICE

2,548,827

CUFF TACKER ATTACHMENT

Fred C. Stein, Warsaw, Ind.

Application July 20, 1948, Serial No. 39,629

1 Claim. (Cl. 1—49)

1

This invention relates to a novel attachment for a stapler especially designed to fasten the cuff of trousers with relative ease.

The primary object of this invention is to eliminate the conventional method of sewing cuffs on trousers by needle and thread and replacing such method with a novel stapler technique.

Yet another object of this invention is to provide a cuff tacker attachment for a stapler having an elongated needle and spaced grooves in the needle, which needle can be inserted between the two layers of cloth comprising the upturned trousers cuff. In such a manner, the trousers can be secured by means of staples to the cuff in such a manner that the staples may not be viewed from the outside.

These, together with various ancillary objects and features of the invention which will later become apparent as the following description proceeds, are attained by the device, a preferred embodiment of which has been illustrated by way of example only in the accompanying drawings, wherein:

Figure 1 is a perspective view of a conventional stapler with the attachment of the instant invention applied thereto;

Figure 2 is a perspective view of the attachment of the instant invention removed from the stapler;

Figure 3 is a perspective, partly diagrammatic, view of the stapler and associated attachment as applied to a trouser cuff; and

Figure 4 is a longitudinal sectional view of the trouser and cuff shown in Figure 3 illustrating the manner in which the cuff is secured to the trouser.

Specific reference is now made to the drawings. In the several views in the accompanying drawings and in the following specification reference characters indicate corresponding elements throughout.

Indicated generally at 10 is a conventional stapler having a staple delivering jaw 12 and a base member 14. The base member 14 is provided with a pair of aligned apertures 16 at its forward end.

The attachment of the instant invention consists essentially of a substantially rectangular channel member 18 having a pair of aligned apertures 20 and 22 in the side members 24 and 26, respectively, thereof. A pin 28 extending through the apertures 20, 22 and 16 secures the device on the base member 14 of the stapler. Secured to the front end of the channel member 18 is an arcuate member 30, which is preferably in the form of a flat plate lying in the same plane with the channel member 18 and inclined at an angle therefrom which has a rounded edge 32 at the end thereof.

The end 32 of the arcuate member 30 is secured to an elongated needle 34 which, as clearly shown in the figures, is perpendicularly disposed relative to the channel member 18. The needle 34

2

is additionally provided with a pair of spaced, elongated grooves 36 for receiving the ends of a staple delivered by the stapler whereby the ends are bent or upturned.

As shown more clearly in Figure 3, the needle 34 is inserted through layer 40 so as to lie between the two layers 38 and 40 of the cuff while the jaw 12 grips the trouser leg 42 and the base member 14 of the stapler grips the layer 40 of the cuff. Upon closing the stapler a staple 44 passes through the trouser leg 42 and then through the layer of the cuff 38 where the legs of the staple 44 impinge upon the grooves 36, are bent thereby, and consequently secure the trouser leg 42 to the cuff layer 38 as shown more clearly in Figure 4. It will, of course, be understood that slight play is allowed by the mounting on the pin 28 to permit the cloth to pass between the attachment and the base of the stapler. It will of course be understood by those skilled in the art that the needle 34 may be inserted through the layers 38 and 42 so as to lie between the two layers 38 and 40 of the cuff by having the needle penetrate the trouser leg 42 instead of the layer 40 of the cuff to avoid leaving any hole in the layer 40. In this application, the jaw 12 will grip the layer 40 while the base member 14 of the stapler will grip the trouser leg 42 on the inside thereof and reversely of the showing in Figure 3.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claim.

Having described the invention, what is claimed as new is:

A cuff tacker attachment for a stapler comprising an anvil including an elongated channel member, means for securing said channel member to a base of the stapler, an arcuate flat plate integral with and outwardly inclined from said channel member, and an elongated needle integral with said arcuate plate and disposed perpendicularly to the longitudinal axis of said channel member, said needle including spaced clinching grooves.

FRED C. STEIN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,308,327	Blumenthal	July 1, 1919
2,069,601	Curtiss	Feb. 2, 1937