(No Model.)

E. WOODWARD.

BUTTON FASTENING STRIP.

No. 314,553. Patented Mar. 24, 1885.

Fig: 1.

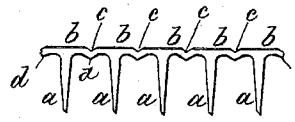
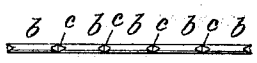


Fig: 2.



Witnesses.
Arthur Lispenard.
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Inventor.
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attys.

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

ERASTUS WOODWARD, OF SOMERVILLE, MASSACHUSETTS, ASSIGNOR TO THE BELLE PATENT BUTTON FASTENER COMPANY, OF KENNEBUNK, MAINE.

BUTTON-FASTENING STRIP.

SPECIFICATION forming part of Letters Patent No. 314,553, dated March 24, 1885.

Application filed July 28, 1884. (No model.)

To all whom it may concern:

Be it known that I, ERASTUS WOODWARD, of Somerville, county of Middlesex, State of Massachusetts, have invented an Improvement in Button-Fastening Strips, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

In my application, No. 129,551, filed April 28, 1884, I have described a machine for setting buttons upon boots, shoes, and other articles by means of a fastening cut from a strip.

The object of this invention is to cover the button-fastening strip employed in the machine described in the said application.

My invention consists, essentially, in a button-fastening strip cut from sheet metal, the said strip presenting a series of T-shaped nails connected only by the ends of their heads, the under edge of the web from which the heads are cut being provided with projections located between the shanks of the fastenings and in the line in which the said web is to be cut to separate the fastenings, the said projections entering the material at and preventing the fastening from twisting in the leather, and also obviating catching of the stocking upon the ends of the head. The upper side of the web is also preferably indented for the reception of the prong of the driver and cutter.

Figure 1 in side elevation represents part of a button-fastening strip embodying my invention, and Fig. 2 a top view thereof.

The strip shown in Fig. 1 is cut from sheet metal so as to leave separate shanks *a*, with head-forming parts *b* extended therefrom only in the direction of the width of the shanks, the web constituting the heads being of substantially the thickness of the shanks at their junction with the web, and being indented at its upper side, as shown at *c*, midway between the shanks, to thus form notches for the reception of the prongs of the combined driver and cutter-bar, and to also form projections *d*, which, when the web is severed and the fastener is driven, enter the material at each side the shank *a*. Each nail is T-shaped, and the arms forming the head extend from the top of the shank at each of its two edges, or in the direction of the width of the shank. The sides of the shanks and heads are in the condition of the plate from which the strip was cut.

I do not broadly claim a nail-strip composed of a series of connected heads with projecting shanks; nor do I claim a nail-strip in which the shanks are connected each with the other by a thin web and wherein the heads are joined side by side instead of end to end..

I claim—

1. As an improved article of manufacture, a button-fastening strip composed of sheet metal and presenting a series of shanks joined only by a web suitable to form heads for the shanks, each shank having a head-forming portion projecting from each edge, the head-forming web being provided with projections *d*, which form end portions of the head of the separated fastener adapted to enter the material when the fastener is driven, substantially as and for the purpose described.

2. As an improved article of manufacture, a button-fastening strip composed of sheet metal and presenting a series of shanks joined only by a web suitable to form heads for the shanks, each shank having a head-forming portion projecting from each edge, the head-forming web being provided with projections *d* on its lower side to enter the material when the fastener is driven, the upper side of the said web having notches *c*, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ERASTUS WOODWARD.

Witnesses:

G. W. GREGORY,

W. H. SIGSTON.