(No Model.)

E. KEMPSHALL.

BUTTON FASTENER.

No. 344,583. Patented June 29, 1886.

Fig. 1.

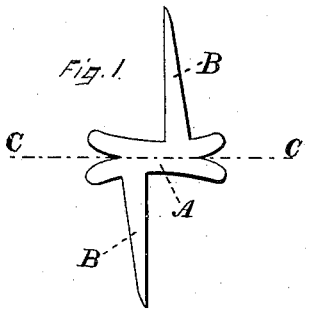


Fig. 2.

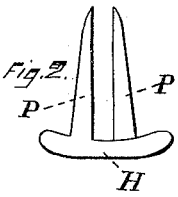


Fig. 3.

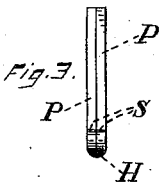


Fig. 4.

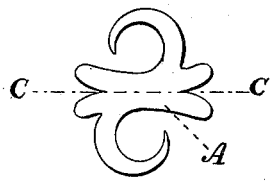


Fig. 5.

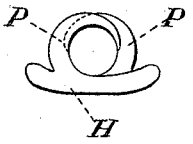


Fig. 6.

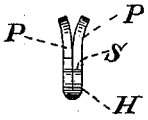


Fig. 7.

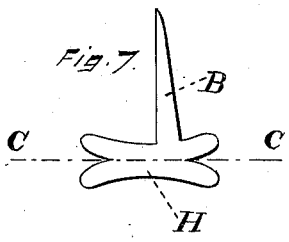


Fig. 8.

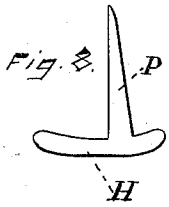
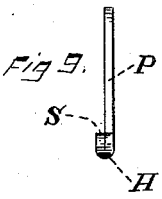


Fig. 9.



Witnesses.
John Edwards Jr
C. O. Palmer.

Inventor.
Eleazer Kempshall,
By Francis H. Richards, Atty.

UNITED STATES PATENT OFFICE.

ELEAZER KEMPSHALL, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE AMERICAN BUTTON FASTENER COMPANY, OF SAME PLACE.

BUTTON-FASTENER.

SPECIFICATION forming part of Letters Patent No. 344,583, dated June 29, 1886.

Application filed May 22, 1885. Serial No. 166,424. (No model.)

To all whom it may concern:

Be it known that I, ELEAZER KEMPSHALL, a citizen of the United States, residing at New Britain, in the county of Hartford, State of Connecticut, have invented new and useful Improvements in Button-Fasteners, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which—

Figure 1 is a plan view of one form of blank for button-fasteners embodying my present improvements. Fig. 2 is a side view of a completed fastener formed from said blank. Fig. 3 is an edge view of the same. Fig. 4 is a plan view of another form of blank, having curved prongs. Fig. 5 is a side view of a button-fastener formed from this blank. Fig. 6 is an edge view of this button-fastener. Fig. 7 is a plan view of a blank similar to that shown in Fig. 1, but having only one prong. Fig. 8 is a side view of a one-prong button-fastener formed from said blank, and Fig. 9 is an edge view of the same.

Similar characters designate similar parts in all the figures.

My invention relates more especially to that class of metallic button-fasteners which are designed for securing buttons to shoes, and which are adapted to be manufactured out of sheet metal.

The object of the invention is to furnish an improved fastener of the class described, so constructed as to prevent it from turning in the fabric when set, which can be manufactured from thin sheet metal, and shall have ample bearing-surface under the fabric.

For the attainment of this object the invention consists in a fastener having the novel features hereinafter described and claimed.

In the drawings, Fig. 1 represents a blank for a two-pronged fastener. This blank consists of a central part, A, for forming the head H, and two laterally-projecting parts, B B, for forming the prongs P P, Figs. 2 and 3, of the fastener. These prongs are located one on either side of the central part, but not opposite to each other, so that when they are bent over into hooks, through the eye of a button, said hooks shall stand side by side. The head consists of two portions, lying one on either side of the dotted line C C, which shows where the blank is to be bent when making it into a button-fastener. When thus bent, the part A forms a button-fastener head of double thickness, as shown best in Fig. 3, of which the lower edge is rounded, and of which the bearing-surface S is on the cut edges and twice as broad as the thickness of the prongs. By this means a sufficiently extensive bearing-surface is obtained without increasing the thickness of the prongs, and the making of large holes in the fabric is avoided, also a bearing is obtained along one side of each prong.

The straight-pronged fastener shown in Figs. 1, 2, and 3 is intended to be set in the usual manner by means of suitable instruments, which shall bend the prongs over into hooks similar to those shown in Fig. 5. When it is desired that the completed fastener shall have hook-shaped prongs, these are so formed on the blank as shown in Fig. 4. An edge view of this form of fastener is shown in Fig. 6.

In Figs. 7, 8, and 9 there is illustrated a fastener every way similar to that shown in Figs. 1, 2, and 3, excepting that it has but one prong. Those views show how my present improvement is adapted to both one-prong and two-prong fasteners.

It should be understood that my invention is not limited to the constructions shown, these merely illustrating various adaptations of the principle, as it is obvious the hook form could have the hooks stand at a right angle to the bar, and the straight prong could be made of two thicknesses, and that other adaptations are obvious.

Having thus described my invention, I claim—

As an article of manufacture, the improved button-fastener herein described, it comprising a head and one or more prongs cut in one piece from a sheet of metal, said head being bent upon itself, thereby forming a double thickness, and having its bearing on the cut edges, substantially as set forth.

ELEAZER KEMPSHALL.

Witnesses:

FRANCIS H. RICHARDS,

C. O. PALMER.