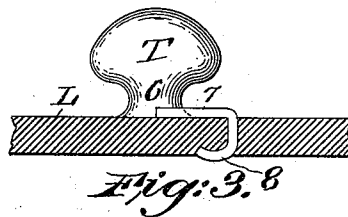
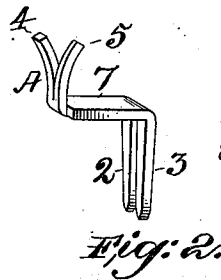
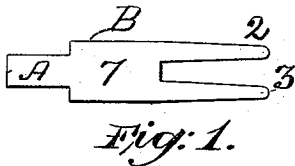


(No Model.)

E. KEMPSHALL.
BUTTON AND LACING STUD.

No. 548,316.

Patented Oct. 22, 1895.



Witnesses.
Arthur L. Randall,
M. B. May.

Inventor.
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Att'y.

UNITED STATES PATENT OFFICE.

ELEAZER KEMPSHALL, OF HARTFORD, CONNECTICUT.

BUTTON AND LACING-STUD.

SPECIFICATION forming part of Letters Patent No. 548,316, dated October 22, 1895.

Application filed August 30, 1894. Serial No. 521,759. (No model.)

To all whom it may concern:

Be it known that I, ELEAZER KEMPSHALL, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Buttons and Lacing-Studs, of which the following is a specification.

This invention relates to a combined lacing stud and button, the object being to provide an improved article of the kind mentioned which may be serviceable in the highest degree, be convenient and inexpensive of manufacture, and which will not wear bright.

To these ends the invention consists of a shoe-button or lacing-stud comprising in its construction a central plate of sheet metal having an angular anchoring projection at one end, upon which a button-head of plastic material is compressed and molded and an angular fastening projection or projections at the opposite end, so that when the stud is secured to the shoe the draft of the lace will hold the central plate down in flat position upon the shoe, as hereinafter described and claimed.

In the drawings accompanying and forming a part of this specification, Figure 1 is a plan or outline view of a blank from which the button-holding part of the invention is made. Fig. 2 is a perspective view of the said part formed from the blank. Fig. 3 shows the invention complete and represented as attached to a shoe-upper or other material.

Similar characters designate like parts in all the figures.

Referring to the drawings, B designates one suitable form of sheet-metal blank for the button-holding part A of the article. This part is provided with two or more malleable pointed prongs 2 3 for attaching the article to a fabric or shoe-upper L and with a suitable upwardly-projecting pin or pins, as, for instance, 4 5, whereon to form or affix a button T. Said button I make of paper or the like material formed in the usual manner by means of dies into the desired shape. On its under side, surrounding said pins 4 and 5, the button has a downwardly-projecting portion 6, forming the stud proper, around which the shoe-lacing is to be drawn, the button T itself

serving as a head for said stud to prevent the lacing slipping off at the upper end.

The middle part of blank B consists of a plate 7, which lies on the material L when the combined button and stud is set therein, as in Fig. 3, in which case the prongs 2 and 3 are bent into the usual hooks, as 8, under the fabric. Any tension on the stud toward the left hand then acts to hold the plate 7 closely onto the material L.

The exterior of the button T is supposed to be japanned after the usual manner of treating paper shoe-buttons, so as to retain its black coating much longer than the metallic lacing-studs now commonly used, thereby materially enhancing the value of the articles.

It is obvious that the several parts of the invention may be made relatively larger or smaller than shown and that their form and arrangement may be varied within the bounds of equivalent constructions as may be required to adapt the completed article to circumstances and to the various classes of boots and shoes to which they may be applied.

Having thus explained the nature of the invention and described a way of constructing and using the same, though without attempting to set forth all of the forms in which it may be made or all of the modes of its use, it is declared that what is claimed is—

1. A lacing stud, consisting of a sheet metal plate formed with a flat central part and two retaining projections extending down from one end of the flat central part so as to secure the stud to the shoe, an anchoring projection secured rigidly to the other end of the flat central plate and laterally extended at its end, and a button-head of plastic material compressed around said anchoring projection, said button-head being formed with a swelled head and a reduced neck around which the shoe lacing is drawn, and said stud being secured to the shoe so that the lacing will hold the central flat part of the plate down upon the shoe and produce a side draft and tension thereon, as set forth.

2. A lacing stud, consisting of a sheet metal plate formed with the following parts, namely, a flat central part, an anchoring projection extending upwardly from one end of said flat

central part and formed in two diverging
points, and two retaining projections extend-
ing downward from the other end of said flat
central part so as to secure the stud to the
5 shoe, and a button-head of plastic material
compressed around the two diverging points
of the anchoring projection, said button-head
being formed with a swelled head, and a re-
duced neck around which the shoe lacing is
10 drawn, and said stud being secured to the
shoe so that the lacing will hold the central

flat part of the plate down upon the shoe and
produce a side draft and tension thereon, as
set forth.

In testimony whereof I have signed my 15
name to this specification, in the presence of
two subscribing witnesses, this 14th day of
July, A. D. 1894.

ELEAZER KEMPSHALL.

Witnesses:

ALBERT F. ROCKWELL,
ROGER S. NEWELL.