

(No Model.)

J. D. HYER.
LACING STUD.

No. 548,919.

Patented Oct. 29, 1895.

Fig. 1.

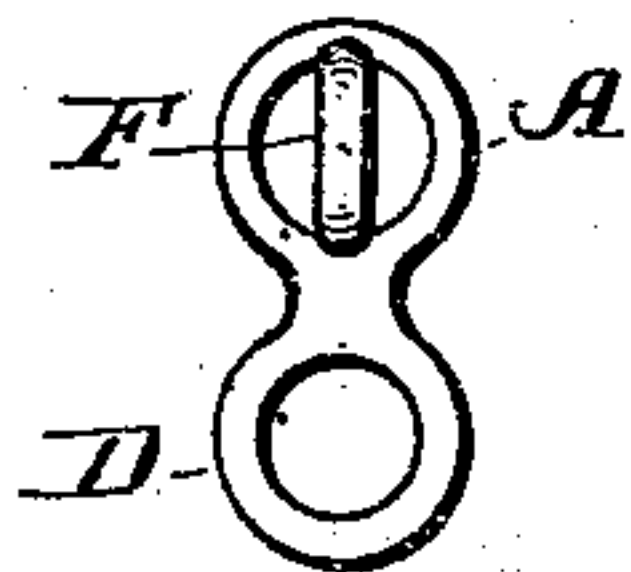


Fig. 2.

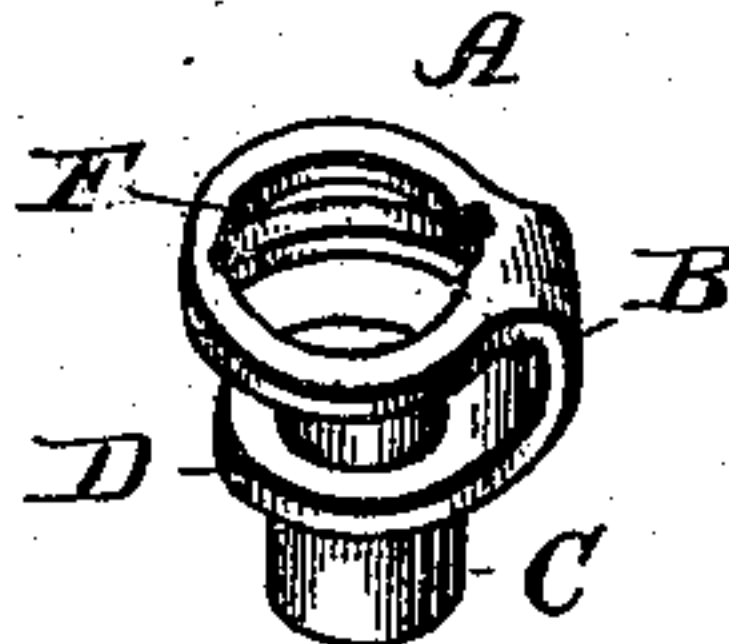


Fig. 3.

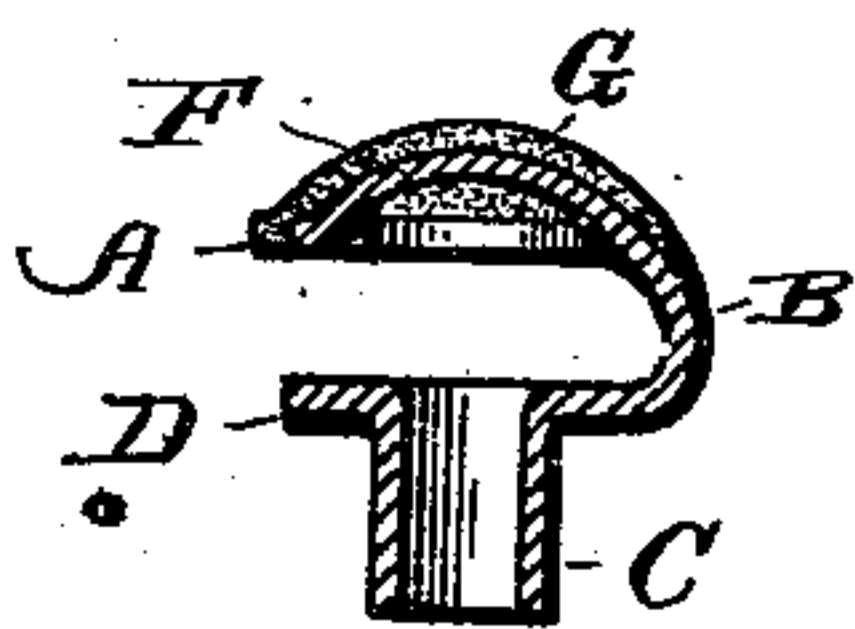


Fig. 4.

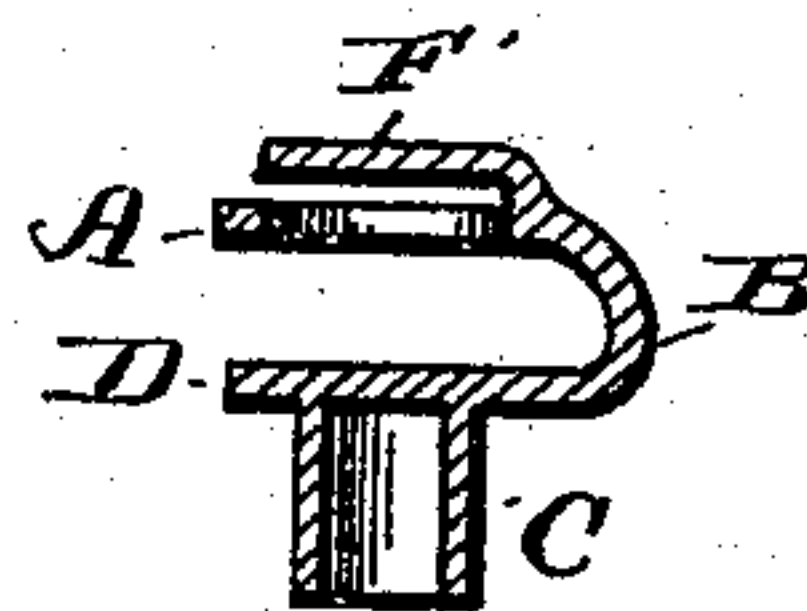


Fig. 5.

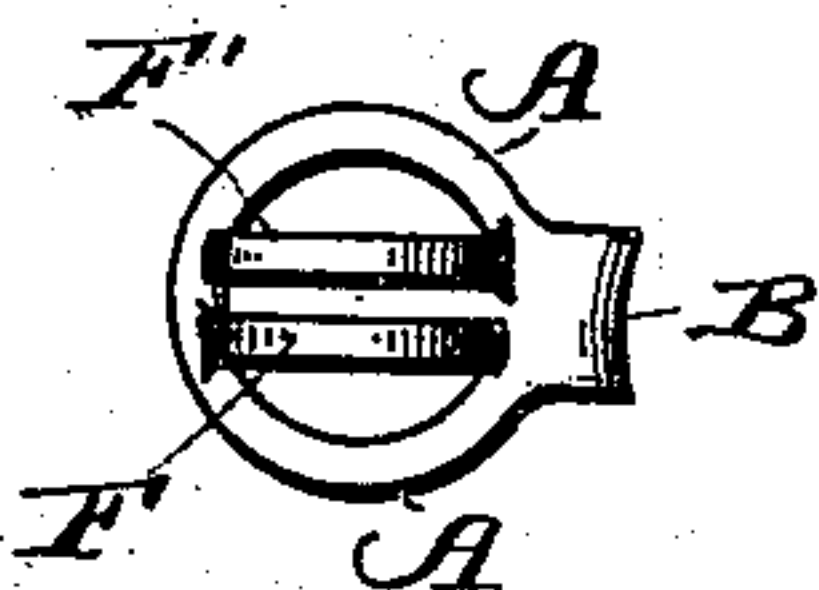
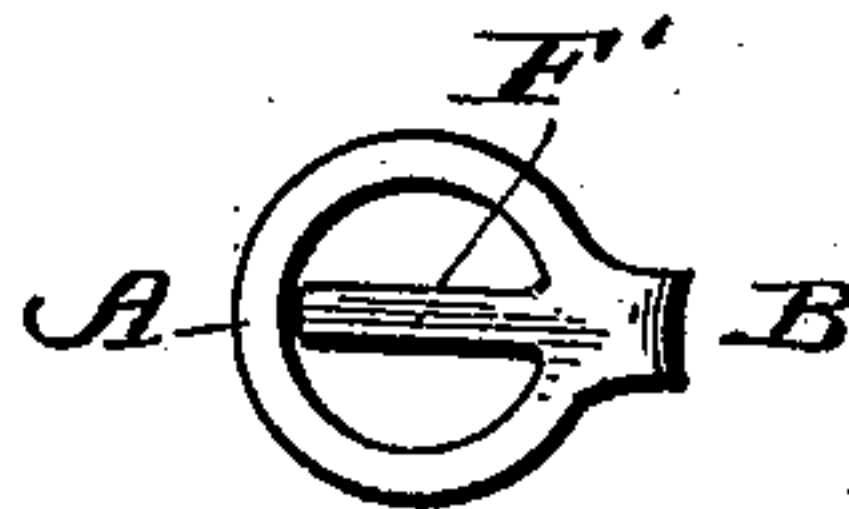


Fig. 6.



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LACING-STUD.

SPECIFICATION forming part of Letters Patent No. 548,919, dated October 29, 1895.

Application filed August 20, 1895. Serial No. 559,920. (No model.)

To all whom it may concern:

Be it known that I, JOHN D. HYER, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Lacing-Studs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to lacing-studs; and it consists in forming the heads of the studs with bars or tongues in different but substantially parallel planes to the horizontal plane of the head, so that a coating or covering of plastic material over the surface of the head of the stud is firmly fixed or anchored to the metal comprising the head.

The object of the invention is to overcome the defect which exists in a large number of this class of devices—viz., to prevent the plastic covering from being broken or chipped off or detached from the metal composing the head.

Referring to the drawings forming a part of this specification, and in which like letters of reference indicate corresponding parts, Figure 1 is a plan of a partially-formed blank from which the stud is made. Fig. 2 is a perspective view of the stud without the plastic covering. Fig. 3 is a vertical central section of a completed stud. Figs. 4, 5, and 6 are views of slight modifications.

The views are somewhat exaggerated.

A represents the head of the stud, which is formed with a bar or tongue F, cut or struck from the body portion thereof and raised above the surface of the head in a different but substantially parallel plane with the surface thereof.

B is the neck of the stud, which is of any usual or customary form.

C is the attaching-eyelet, provided with the ordinary flange D. The eyelet may be tubular, as shown in Figs. 2 and 3, or with its top portion closed, as shown in Fig. 4. If desired, a plurality of attaching prongs or points may

be used instead of the eyelet; but the latter is the preferred form.

G, Fig. 3, represents the covering of pyroxyline or other plastic material.

The object of the bar or tongue F is to hold or anchor the plastic material firmly to the head, so that it will not break or chip off, as is the case with many of the covered studs now in use. It will be apparent that the plastic covering, being forced by pressure around and underneath the bar, will hold it securely without destroying the external appearance of the stud or exposing to view any of the metal comprising the stud.

In Fig. 4 I have shown the bar (represented at F') cut loose from the metal comprising the head at one end, and in Fig. 5 two bars are used, projecting in reverse directions—that is to say, the free ends of the bars are at diametrically-opposite sides of the head. The plastic covering is applied in all the forms in precisely the same manner.

Fig. 6 shows the tongue or bar cut from the head, but not raised therefrom. If desired, the bar or tongue F may be bent or struck down instead of upward or above the surface of the head; but for all practical purposes the form shown in the drawings is most desirable.

The plastic covering for the head may, of course, be of any suitable plastic material and of any desired color.

Minor changes in construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

Having thus fully described the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A lacing stud having a head, a bar or tongue in a different, but substantially parallel plane with the head with open spaces on each side of said bar, and covered or coated with plastic material, an eccentric neck and means for attaching the stud, formed as a part thereof, as set forth.

2. A lacing stud comprising a head, a bar or tongue in a different, but substantially par-

allel plane above the outer surface of the head with open spaces on each side of said bar, and coated with plastic material, a neck and attaching eyelet, substantially as described.

- 5 3. A lacing stud comprising a head with a bar or tongue cut from the body of the head with open spaces on each side of said bar, raised above it, and coated with plastic material, a neck and an attaching eyelet, pro-

vided with a flange which is adapted to rest upon the surface of the material, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN D. HYER.

Witnesses:

JAMES H. REEVE,
E. A. DUVALL.