(No Model.)

E. MAYNZ.

LACING STUD OR HOOK.

No. 538,428. Patented Apr. 30, 1895.

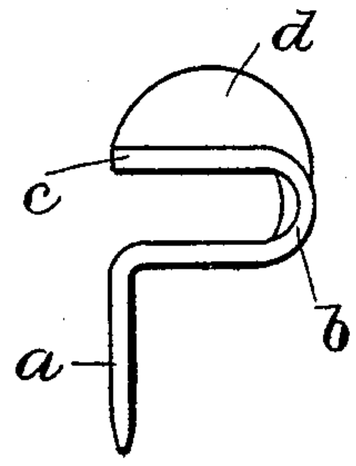

FIG. 1.

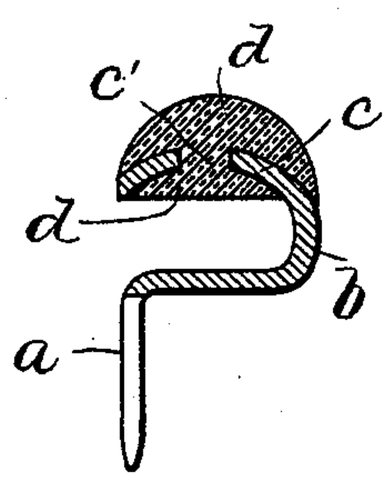

FIG. 2.

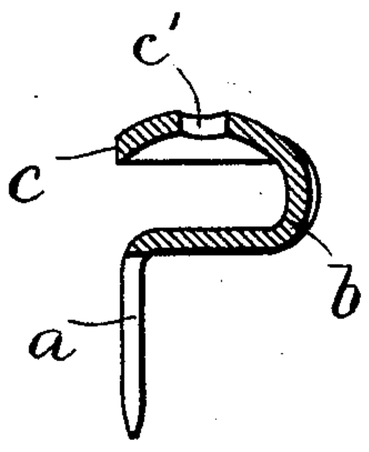

FIG. 3.

WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWARD MAYNZ, OF BOSTON, MASSACHUSETTS.

LACING STUD OR HOOK.

SPECIFICATION forming part of Letters Patent No. 538,428, dated April 30, 1895.

Application filed January 24, 1895. Serial No. 536,013. (No model.)

To all whom it may concern:

Be it known that I, EDWARD MAYNZ, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Lacing Studs or Hooks, of which the following is a specification.

This invention relates to metal lacing studs or hooks and has particular reference to that type having heads provided with a covering of any suitable composition adapted to be applied in a plastic state and to harden in place.

The object of this invention is to provide a sheet metal lacing hook or stud having its head practically covered with composition so far as the external appearance of the stud is concerned, but which provides a metal wearing surface around the edge of the head.

A further object of the invention is to provide a construction whereby the under side of the composition-covered head is protected by the margin of the metal portion of the head, and is left flat so as to offer no obstruction to the insertion or removal of the lacing cord.

To these ends the invention may be said to consist in the sheet metal lacing stud or hook having a dome-shaped perforated head-portion, and a recessed under side, and an inner and outer covering of composition connected together through said perforation and anchored on the depressed under side.

In the accompanying drawings, forming a part of this application, Figure 1 is a side elevation of the improved lacing stud or hook. Fig. 2 is a sectional view of the same on a vertical plane passing through the bow of the hook. Fig. 3 is a sectional view of the stud or hook before the covering is applied.

The metallic portion of the stud or hook is formed in the usual way, of sheet metal, to constitute the neck, *b*, the head or top portion, *c*, and attaching means such as prongs, *a*.

Heretofore, when such studs have been made to be covered with composition, the head, *c*, has been flat, thus causing the composition on the under side of the head to bulge below the head and present a convex surface which is an obstruction to the free passage of the lacing cord.

In the improvement herein shown, the head, *c*, is formed dome-shaped with one or more perforations, *c'*. This enables the composition, *d*, which is applied to the head in the usual way, to anchor on the depressed under surface and to be flat on its under side, or level with the edge of the said head, the composition above and below the dome-shaped head being connected through the perforations and thereby held in place. This construction presents a metal surface, viz: the edge of the head, *c*, to the wearing action of the lacing cord when inserting or removing the latter, and prevents the liability of the breaking away of the composition by said cord. Furthermore, as above stated, on the under side of the head of the hook there is no convex obstruction to the free passage of the lacing cord, the under surface of the composition being flat. Said under surface is, moreover, surrounded and protected by the margin of the metal head.

I do not confine myself to the pronged construction shown and may apply my improvement to a hook or stud having a tubular eyelet.

Having now explained the nature of my 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, what I claim, and desire to secure by Letters Patent, is—

A lacing-stud or hook comprising a dome-shaped perforated metal head having a recessed or concave under side, and a coating of composition covering the convex upper side of the head, extending through the perforation in the head, and anchored in the concave under side of the head, the said coating having a flat under surface which is surrounded and protected by the margin of the head.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 21st day of January, A. D. 1895.

EDW. MAYNZ.

Witnesses:
A. D. HARRISON,
ROLLIN ABELL.