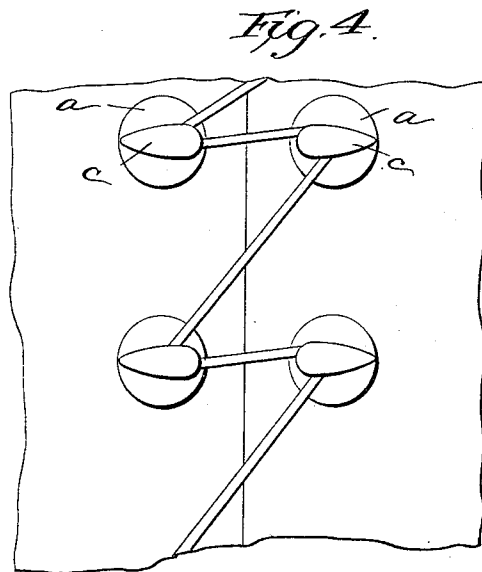
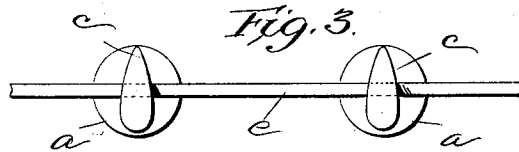
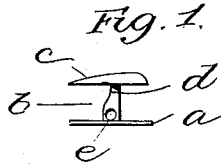


(No Model.)

A. J. MILLER.
COMBINED BUTTON AND LACING HOOK.

No. 481,767.

Patented Aug. 30, 1892.



Attest
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UNITED STATES PATENT OFFICE.

ANNIE JENNESS MILLER, OF NEW YORK, N. Y.

COMBINED BUTTON AND LACING HOOK.

SPECIFICATION forming part of Letters Patent No. 481,767, dated August 30, 1892.

Application filed May 10, 1892. Serial No. 432,481. (No model.)

To all whom it may concern:

Be it known that I, ANNIE JENNESS MILLER, a citizen of the United States of America, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in a Combined Button and Lacing Hook, of which the following is a specification.

The objects sought to be obtained in my invention, hereinafter explained, are to provide in a combined button and lacing stud, first, means for holding the stud securely in the fabric or garment; secondly, to connect permanently a line or series of these studs, so that the whole number will be retained securely without displacement or loss when removed from the garment, and also to hold the cord securely after it has engaged with the lacing-stud.

My said invention is designed more especially for under-garments and for those of that class from which it is desirable to remove the buttons or studs before they are sent to the laundry.

My invention consists of a combined button and lacing hook, of a perforated shank in a combined lacing-hook, and in the peculiar form of hook of a combined button and lacing hook.

My invention is illustrated in the accompanying drawings, on an enlarged scale, for more plainly illustrating the invention.

In the drawings, Figure 1 is a side elevation of the button and hook. Fig. 2 is a similar view of the hook one-fourth turned. Fig. 3 is a plan view with the series of connecting-cords. Fig. 4 is a plan view of a part of the garment, showing the outside with the lacing-cord or elastic connected with the hooks.

In the drawings, *a* represents the shoe of the button, which, is as here shown, a plain disk, and which may be in any form known for the purpose. Fixed to this shoe is a shank *b*, and to the upper end of this shank is fixed the hook *c*. The point of this hook is blunt and is bent downward, as shown in Fig. 1. This part, however, as shown in the plan view, is narrow or brought to a blunt point and is longer than the rear portion, which is wider and extends a less distance from the shank. The shank is recessed, as shown at *d*, upon

that side which the elastic or lacing-cord bears, so that the loop of the lacing-cord lies in this recess when the hook is in place and binds it firmly in the garment, the part of the garment to which it is applied being held between the cord *e*, which passes through the eye of the shank and the lacing-cord, the loops of which lie in the recess.

It will be understood from an inspection of the drawings that a series of these combined buttons and lacing-hooks is formed by running the cord *e* successively through any required number, and the ends of this cord may be attached in any convenient manner to the garment when the hooks are inserted through the buttonholes and in place thereon. The connecting-cord may be attached to the first and last of the series. These hooks are inserted in the buttonholes or eyelet-holes from the inside, with the blunt or larger ends of the hooks toward the margin and the notches in the shanks on the opposite side. Then the elastic or lacing-cord is carried underneath the hook and lodged in the notch in the shank on one side or part of the garment, thence across to the opposite hook on the opposite side and caused to engage with the shank in the same manner, and so on throughout the series. Both ends of the cord being secured in any suitable manner, the parts of the garment are connected firmly and very readily. The lacing-cord may be carried below the hooks, thence around under the point, so as to cross itself under the rear part of the hook, thus giving greater security to the rear extension of the hook over the shank covering the crossed parts of the cord. When the lacing-cord is disengaged, the hooks may be released from the holes and removed from the garment, and then they are all held together as on a string.

My combined button and lacing-hook may be made of metal, bone, or any of the materials of which such articles are ordinarily made. The hook is designed particularly for under-garments, as above described; but it is not necessarily confined to this use, as it may be used upon boots and shoes, the hooked portion of the article being modified to suit the different situations in which they may be used.

I claim as my invention—

The described button and lacing hook, having a thin flat shoe and an elongated hook portion rigidly attached to flat shank, said
5 shank having a cut-away portion adjacent and at right angles to the hook portion for receiving the lacing-cord, and a perforation passing through the shank above the base and parallel with the cut-away portion, in combination

with a cord threaded through the perforation, so substantially as and for the purpose set forth.

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

ANNIE JENNESS MILLER.

Witnesses:

H. L. HOSKINSON,
CONRAD MILLER.