

(No Model.)

L. GODDU.
BLANK FOR LACING STUDS.

No. 258,532.

Patented May 23, 1882.

Fig: 1.

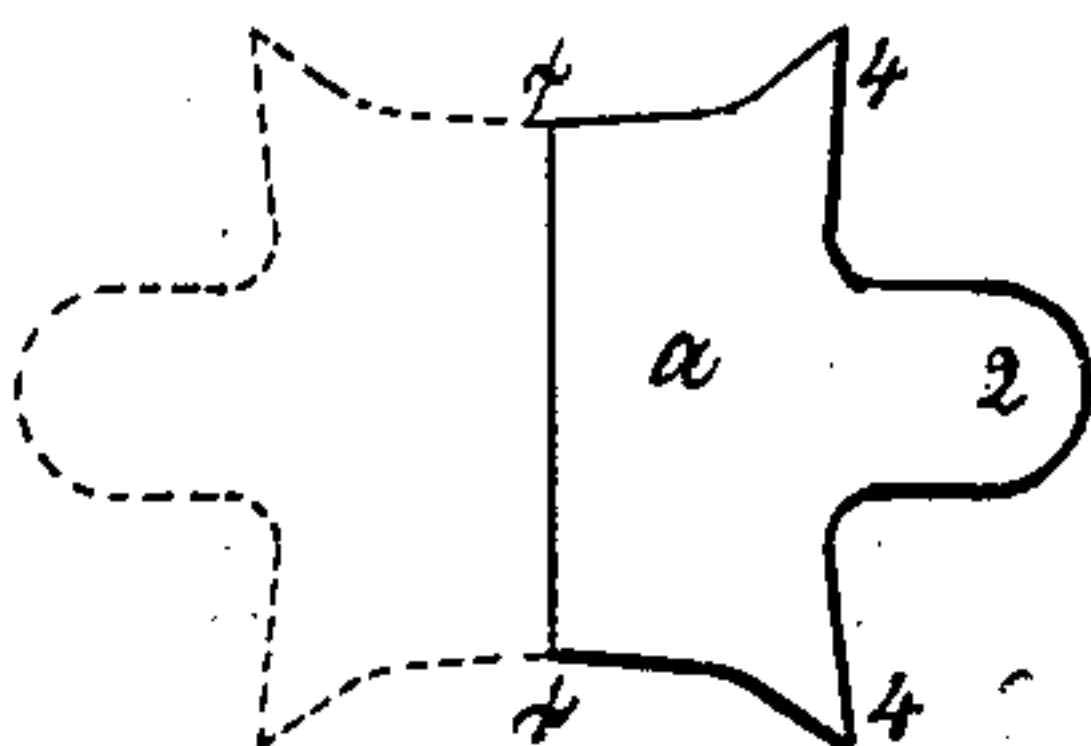


Fig: 2.

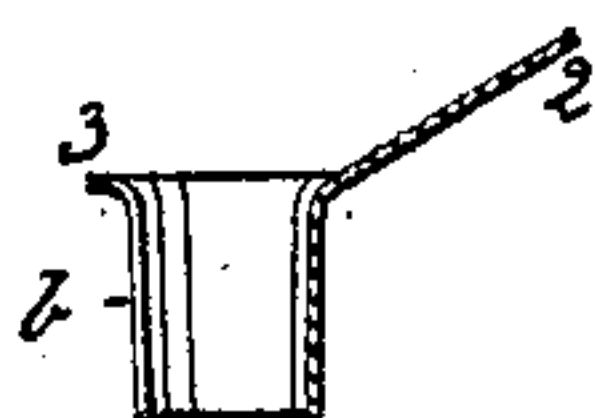


Fig: 3.

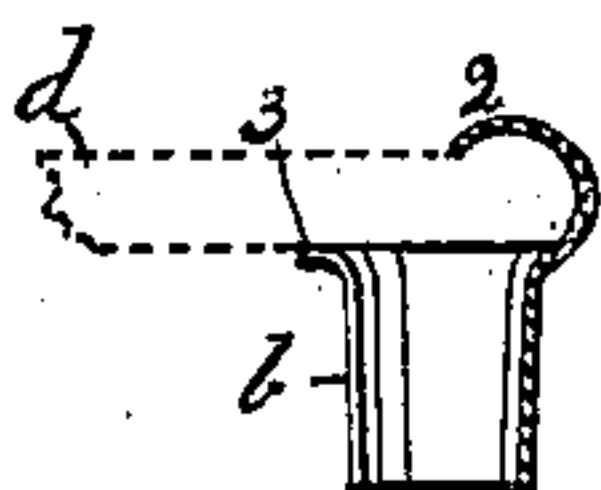
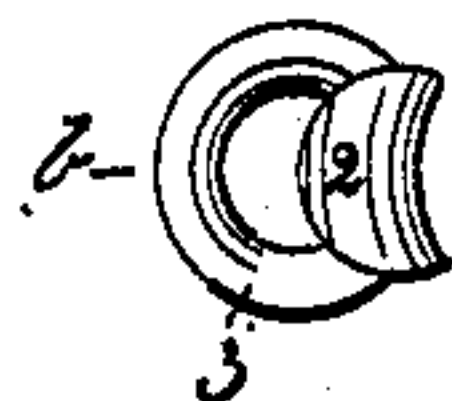


Fig: 4.



Witnesses,
Arthur Reynolds
Permie J. Boyce.

Inventor.
Louis Goddu,
by Crosby & Morgan Attys

UNITED STATES PATENT OFFICE.

LOUIS GODDU, OF WINCHESTER, ASSIGNOR OF ONE-HALF TO ALBERT
VAN WAGENEN, OF BOSTON, MASSACHUSETTS.

BLANK FOR LACING-STUDS.

SPECIFICATION forming part of Letters Patent No. 258,532, dated May 23, 1882.

Application filed April 1, 1881. (No model.)

To all whom it may concern:

Be it known that I, LOUIS GODDU, of Winchester, county of Middlesex, State of Massachusetts, have invented an Improvement in
5 Blanks for Shoe-Fastenings or Lacing-Studs, of which the following description, in connection with the accompanying drawings, is a specification.

This invention has for its object a novel construction or shape of a blank from which to make
10 a shoe-fastening or lacing-stud of that class having an eyelet-shank for attachment with the shoe.

Figure 1 represents in full and dotted lines
15 a piece of sheet metal of a shape to form two blanks, capable of being formed into two fastenings, such as shown in Fig. 2. Fig. 2 is a vertical section of a fastening after bending the larger portion of the sheet-metal blank to
20 form the eyelet-shank. Fig. 3 is a vertical section of a fastening made from one of my improved blanks, the same being shown bent into shape; and Fig. 4 is a top view of Fig. 3.

In the manufacture of a fastening I take a
25 sheet-metal plate and cut it into blanks *a*, such as shown in full lines, Fig. 1, that form of blank giving substantially the proper shape for the production, with the least waste of metal, of the complete fastening *b*. Referring to the
30 said sheet-metal blank, the portion 2 is that which forms the hook of the fastening, the said hook being designated by the same figure in all the views. The remaining portion of the blank, placed on a bed or die under a punch,
35 is acted upon and bent into cylindrical shape, the ends of the blank being abutted together, as in Fig. 4, to form the eyelet-shank *b*, leav-

ing the portion 2 extended therefrom, substantially as in Fig. 2. After this a die or form, *d*, (shown in dotted lines in Fig. 3,) may
40 be laid upon the top of the shank part *b*, and by means of another die (not shown, but of suitable shape) acting upon the under side of the part 2, the said part may be laid over upon the rounded end of the said die, bending
45 and setting the part 2 into the shape shown in Fig. 3, curving or concaving it, as shown clearly in Fig. 4, to give to the hook part 2 greater strength and stiffness.

The one-piece sheet-metal eyelet may be
50 cheaply and rapidly made, and be quickly set in a shoe by means of an eyelet-setting machine.

The pronged part 4 of the blank enters into and forms the flange 3 of the fastening when
55 the ends *xx* of the blank, bent into cylindrical form, are brought together, as in Figs. 2 and 4.

I do not herein broadly claim a fastening herein shown as an improved article of manufacture, as that I reserve for another applica-
60 tion.

I claim—

The sheet-metal eyelet-blank *a*, having the hook 2 and pronged part to form the upper
65 flanged rim of the eyelet, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LOUIS GODDU.

Witnesses:

G. W. GREGORY,
ARTHUR REYNOLDS.