

(No Model.)

E. A. BAILEY.
COMBINED NEEDLE AND CORD.

No. 388,009.

Patented Aug. 21, 1888.

Fig. 1.

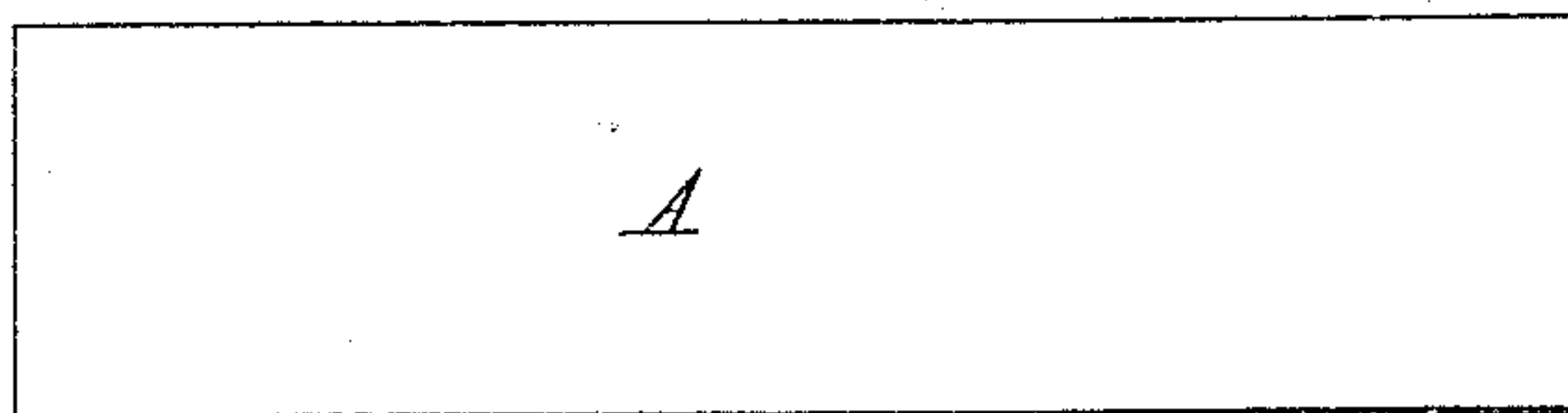


Fig. 2.

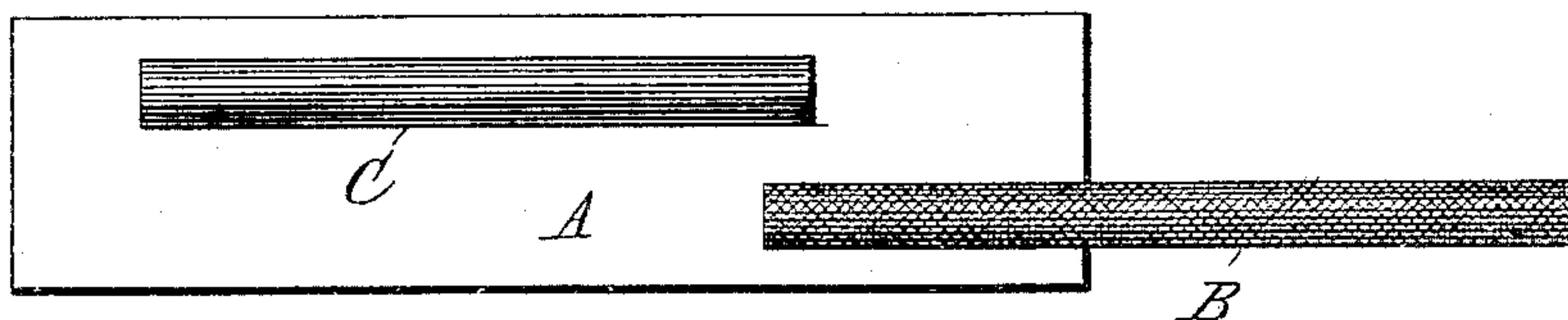


Fig. 3.

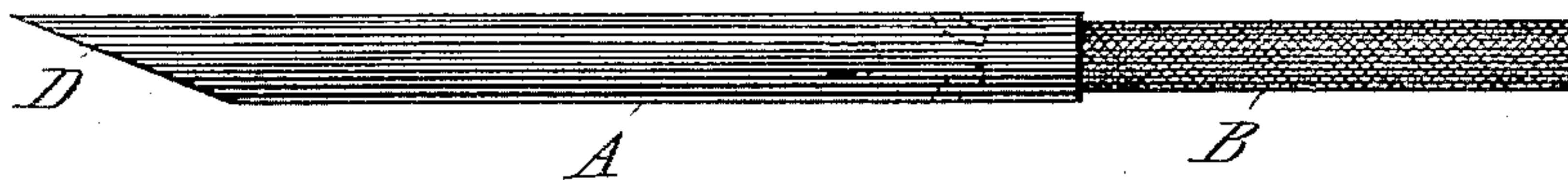


Fig. 4.

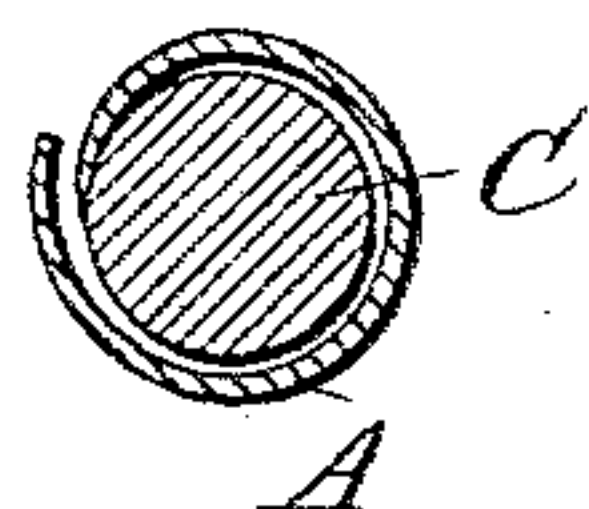
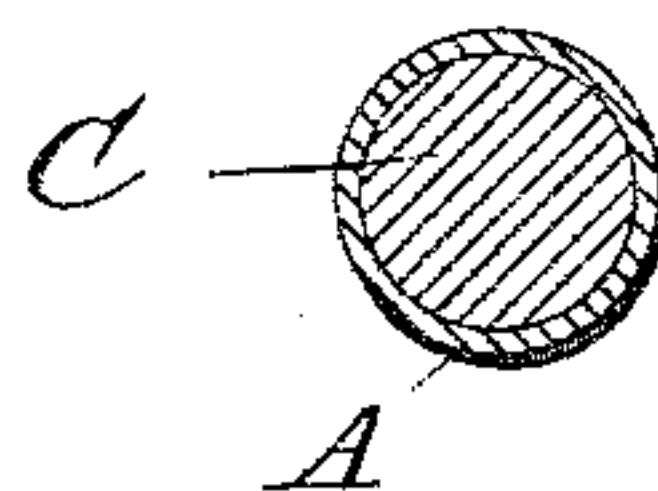


Fig. 5.



Witnesses:

C. P. Whitlock.
Thomas Primelou.

Inventor:

Ellene A. Bailey.

UNITED STATES PATENT OFFICE.

ELLENE A. BAILEY, OF NEW YORK, N. Y.

COMBINED NEEDLE AND CORD.

SPECIFICATION forming part of Letters Patent No. 388,009, dated August 21, 1888.

Application filed March 24, 1887. Serial No. 232,342. (No model.)

To all whom it may concern:

Be it known that I, ELLENE A. BAILEY, a citizen of the United States, and a resident of New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Shoe-Button Sewing-Lace Needles, of which the following is a specification.

The object of my invention is to provide a new and improved combined needle and lace for sewing on buttons, &c., which combined needle and lace is simple in construction, strong, durable, and cheap.

The invention consists in the construction and combination of parts and details, as will be fully described and set forth hereinafter, and then pointed out in the claim.

In the accompanying drawings, Figure I is a face view of the sheet-metal blank for making the needle. Fig. II is a face view of the same, the lace or cord, and the stiffening-piece on the blank. Fig. III is a side view of the combined lace and needle. Fig. IV is an enlarged cross-sectional view of the rolled sheet-metal blank before the same has been subjected to pressure. Fig. V is an enlarged cross-sectional view of the completed needle.

Similar letters of reference indicate corresponding parts in all the figures.

The blank A is made of thin sheet metal of about the shape shown in Fig. I. One end of the cord, lace, or thread B is placed upon the

blank A, and a piece of stiffening-wire, C, is also placed upon the blank, as shown in Fig. II, and then the sheet metal of the blank is rolled up on the longitudinal axis of the blank and around the end of the lace or cord and around the stiffening-wire, so that the edges overlap. The rolled sheet metal is then subjected to pressure or blows for the purpose of pressing the several layers of the rolled sheet metal firmly together, so as to be practically a solid mass. The end of the needle opposite the one in which the lace or cord is held is pointed, as at D, to form a point or piercing end. The stiffening piece or cord may be omitted. The lace or cord is held securely in the needle.

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

A combined needle and cord composed of a piece of sheet metal wrapped around the end of the cord and compressed to form a practically solid mass, and pointed at the end opposite the one in which the cord is held, substantially as herein shown and described.

Signed at New York, in the county of New York and State of New York, this 8th day of November, A. D. 1886.

ELLENE A. BAILEY.

Witnesses:

THOMAS BROWNLOW,
C. P. WHITLOCK.