

(No Model.)

E. A. BAILEY.
SHOE BUTTON NEEDLE.

No. 295,612.

Patented Mar. 25, 1884.

Fig. 1.

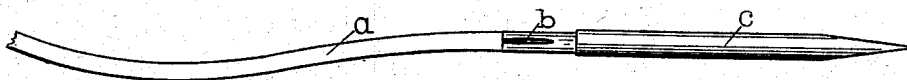


Fig. 2.

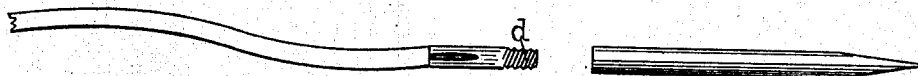


Fig. 3.



WITNESSES

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ELLENE A. BAILEY, OF ST. CHARLES, MISSOURI.

SHOE-BUTTON NEEDLE.

SPECIFICATION forming part of Letters Patent No. 295,612, dated March 25, 1884.

Application filed December 6, 1883. (No model.)

To all whom it may concern:

Be it known that I, ELLENE A. BAILEY, a citizen of the United States, residing at St. Charles, in the county of St. Charles and State of Missouri, have invented certain new and useful Improvements in Shoe-Button Needles, of which the following is a specification.

The object of my invention is to provide a needle for attaching buttons to shoes, or for other purposes where a large thread is required to be inserted into the fabric; and my improvement consists in a needle formed with a tubular screw-threaded end and an engaging screw-threaded tag, whereby the needle is detachably secured to the thread, all as will be hereinafter set forth.

Heretofore needles of this class have been clamped or otherwise secured permanently to the end of the thread, and consequently when the thread is used up the needle is thrown away. The purpose of my improvement is to provide a means whereby the main body of the needle may be used with a large number of threads, and the waste of needles be thereby greatly diminished.

In the accompanying drawings, which serve to illustrate my invention, Figure 1 is a side view of my needle attached to its thread. Fig. 2 is a similar view with the body of the needle removed, all the parts being enlarged; and Fig. 3 is a longitudinal section of the needle disconnected.

a represents a thread, to the end of which is permanently secured the tag *b*. The end of the tag designed to receive the thread is tubular, to permit of the insertion of the thread as far as may be necessary. After the end is inserted, the sides of the tag may be clinched together to hold the thread therein. As shown in Fig. 2, the tubular end of the tag may be split longitudinally and pressed apart suf-

ficiently to permit the thread to be laid in, when the edges may be pressed together to hold it in place. The front end of the tag is provided with an exterior screw-thread to engage with the body of the needle. The tag, being permanently attached to the thread, is capable of being used but once, and therefore can be made of an inferior and cheaper material. *c* is the body or needle proper, which is made of fine steel, and with a pointed front end. The inner end is tubular and provided with an interior screw-thread, *e*, to engage with the threaded end *d* of the tag. After the thread is exhausted in the operation of sewing, the part *c* may be unscrewed and applied to another long thread by connecting it with the tag. Thus it is obvious that a large number of threads may be supplied with but one needle, which is not the case where the entire needle is made in one piece and is permanently attached to the thread. In the latter case, however expensive the needle may be, it is utterly worthless when the thread is used up.

By providing a detachable body, as shown in my invention, a large saving is effected in the cost of the article to the consumer.

What I claim as new, and desire to secure by Letters Patent, is—

As a new article of manufacture, a needle constructed in two parts, the main one being provided with a screw-threaded socket, and the other being rigidly secured to the thread and provided with a screw-threaded end to engage therewith, whereby the main body of the needle is adapted for use with a number of threads, as set forth.

ELLENE A. BAILEY.

Witnesses:

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