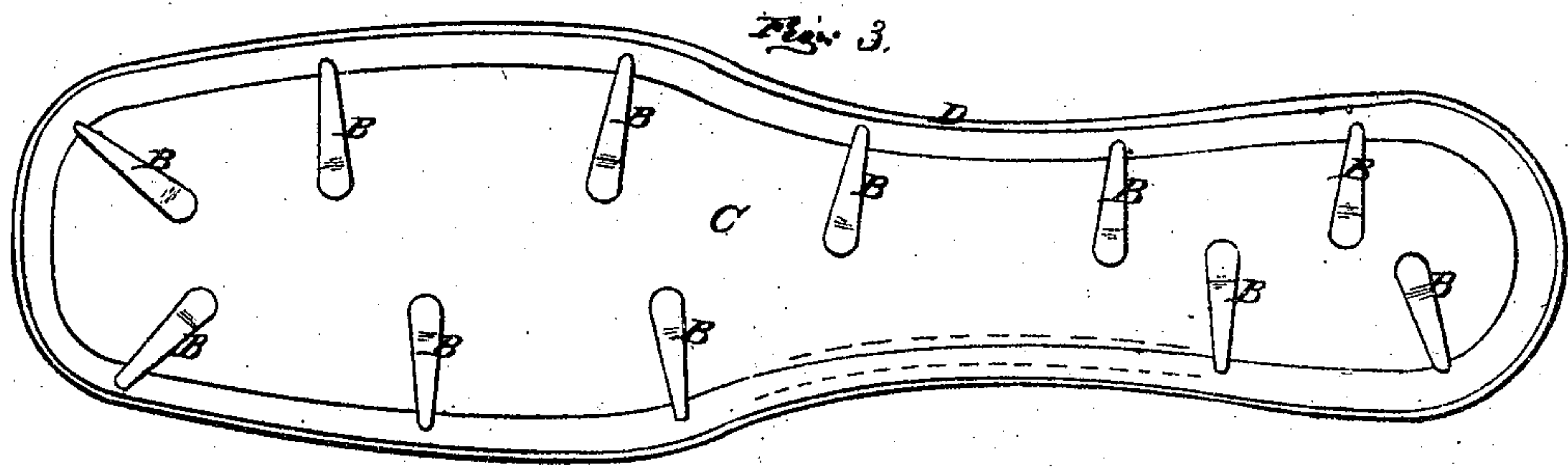
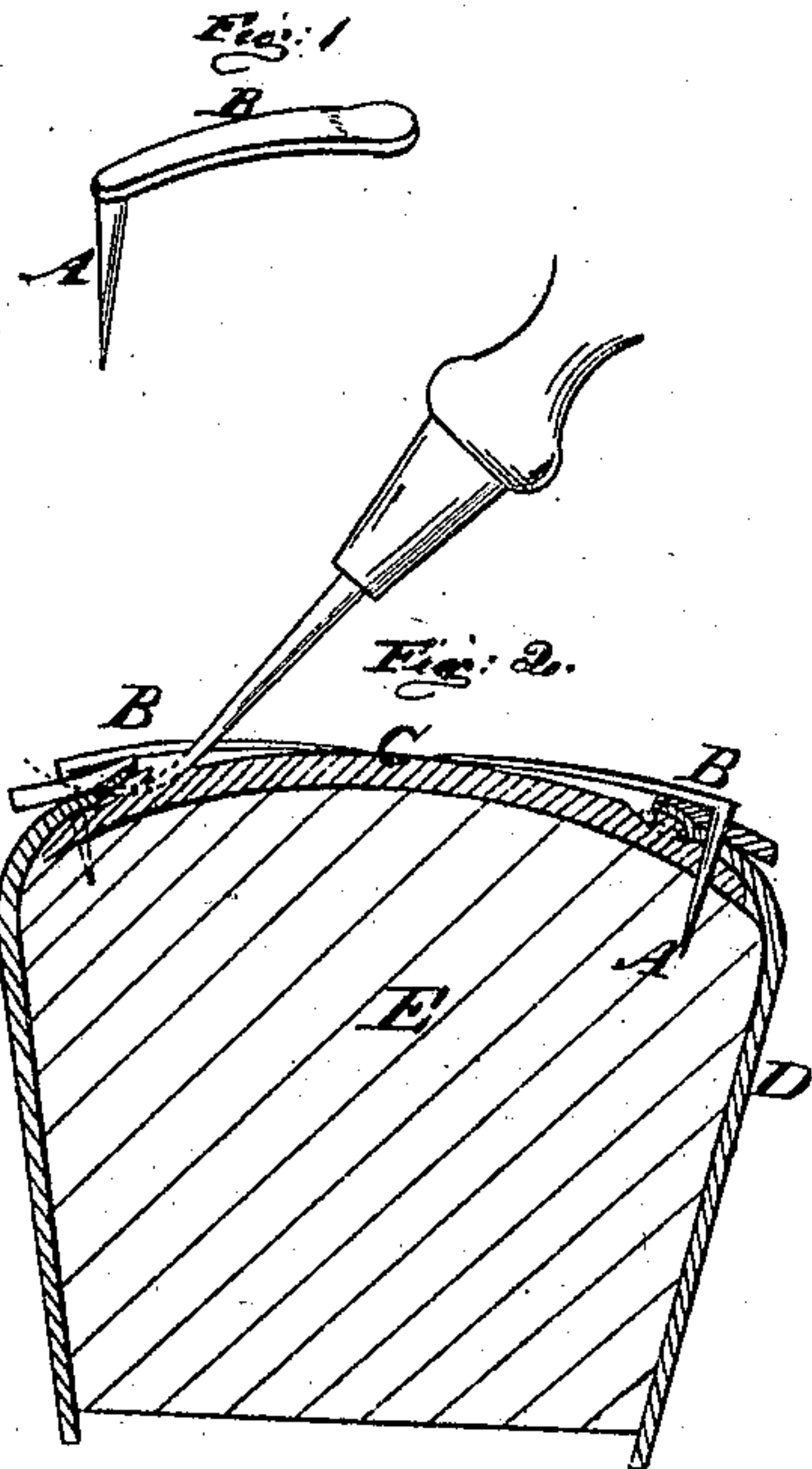


J. H. Knight,

Shoe Tack.

No. 30,974.

Patented Dec. 18, 1860.



Witnesses.

J. W. Corbin
R. S. Spence

Inventor.

J. H. Knight
by *Wm. H. Co.*
att.

UNITED STATES PATENT OFFICE.

JOSEPH H. KNIGHT, OF NEWBURYPORT, MASSACHUSETTS.

SHOE-TACK.

Specification of Letters Patent No. 30,974, dated December 18, 1860.

To all whom it may concern:

Be it known that I, J. H. KNIGHT, of Newburyport, in the county of Essex and State of Massachusetts, have invented a new and
5 Improved Shoe-Tack; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

10 Figure 1, is a detached perspective view of my invention. Fig. 2, a transverse section of a last, with the upper and inner sole of a shoe and my invention applied to it. Fig. 3, an inverted plan of the same.

15 Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to an improvement in tacks which are employed for securing the inner sole and upper to the last while the
20 two latter parts are being sewed together.

The object of the invention is to prevent the thread from catching the tacks during the operation of sewing, a contingency which occurs with the ordinary tacks causing either
25 the thread to break or the tacks to be drawn out from the last.

The invention consists in having the tacks provided at their tops with flat strips which form inclined planes when the tacks are
30 driven in the last and allow the thread to slide over the tacks.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

35 A, Fig. 1, represents the body of a tack which is of gradual taper form terminating

in a point at its lower end. The upper end of the tack has a flat strip or plate B, extending from it, the strip gradually diminishing in thickness toward its outer end so
40 as to possess a certain degree of elasticity. This strip or plate gradually bends downward from its inner toward its outer end.

The tack and its strip or plate are both formed of a single piece of metal. 45

The tacks are driven through the inner sole C, and upper D, into the last E, as shown clearly in Fig. 2, the tacks occupy the same position as those constructed in the ordinary way one of which is shown in blue
50 dotted lines in Fig. 2. The outer ends of the strips or plates B, bear against the upper surface of the inner sole C, as shown clearly in Fig. 2.

From the above description it will be seen
55 that the tacks A, cannot catch the thread during the operation of sewing as the strips or plates B, allow the thread to slip easily over the tacks and therefore the annoyance attending the use of the ordinary tacks is
60 fully avoided.

Having thus described my invention, I claim as an improved article of manufacture—

A shoe tack constructed with an elongated, inclined head B, as herein shown and
65 described.

JOSEPH H. KNIGHT.

Witnesses:

JAMES BRENNARD,
WILLIAM W. ROBINSON.