

E. CORBETT.

MACHINES FOR CRIMPING BOOT AND SHOE UPPERS.

No. 189,845.

Patented April 24, 1877.

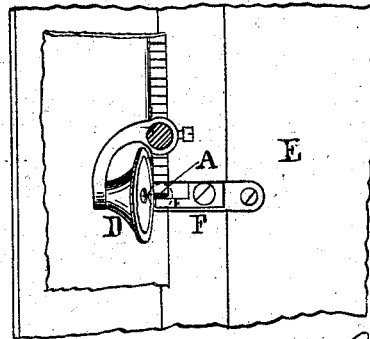
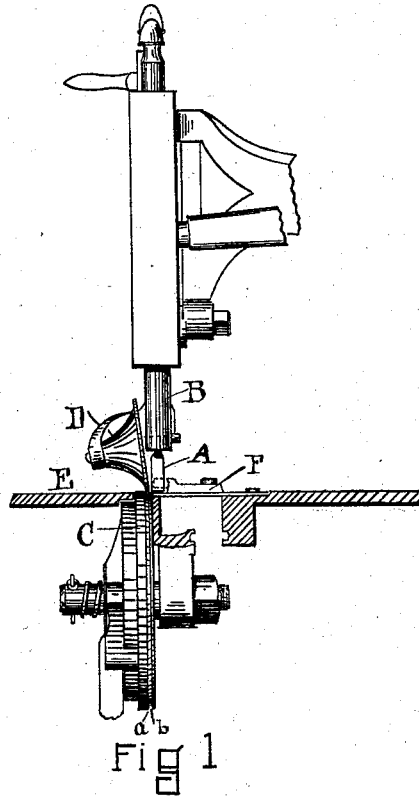


Fig 2. *Edward Corbett*
INVENTOR.

WITNESSES
Frank L. Parker
Thos. F. Raymond

UNITED STATES PATENT OFFICE.

EDWARD CORBETT, OF BOSTON, ASSIGNOR OF ONE-HALF HIS RIGHT TO
JOHN E. WHEELER, OF LYNN, MASSACHUSETTS.

IMPROVEMENT IN MACHINES FOR CRIMPING BOOT AND SHOE UPPERS.

Specification forming part of Letters Patent No. **189,845**, dated April 24, 1877; application filed
June 16, 1876.

To all whom it may concern:

Be it known that I, EDWARD CORBETT, of Boston, in the county of Suffolk, and State of Massachusetts, have invented an Improvement in Mechanism for Crimping the Uppers of Boots and Shoes, of which the following is a specification.

This invention has for its object an improved mechanism for crimping the edge of a vamp or upper, and consists in providing a knife or chisel with a vertically-reciprocating motion, and combining the same with a work-support, a gage, and guide and feeding and crimping rolls.

These elements are found substantially in the ordinary sewing-machine, and, with a slight modification, can be adapted to cut and crimp the vamp, as hereinafter explained.

Reference is had to the accompanying drawing, in explaining the same, in which—

Figure 1 is a side elevation, and Fig. 2 a plan, of the invention.

The knife or chisel A is fastened to the reciprocating bar B (when the invention is used in the form of an attachment to a sewing-machine, to the needle-bar) by a set-screw; the feeding-roll C is beveled at *a*, and provided with the groove *b* at the end of the bevel; the presser D is arranged above the roll C to revolve in the groove *b*. Upon the work-support E, and immediately behind this knife, is a gage and guide, adjustable to and from the knife or chisel by a set-screw and slot in the table.

The operation of crimping is as follows: The gage and guide being set as desired, the work is presented to the chisel or knife by the feed-roll and presser, the feed-roll and

presser holding the work and at the same time developing a line or crease along the edge, a uniform distance from the same, and the cutting-tool A slits the edges of the work as it feeds. The edge of the work is turned up along the line of the crease, so that it may be folded in the requisite distance.

The advantages consist in the rapidity and regularity with which the crimping is accomplished.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In combination with a work-support a vertically-reciprocating knife or chisel arranged to cut or slit at right angles to the line of the feed the edge of a vamp or upper, substantially as described.

2. In combination with a vertical reciprocating cutting-tool arranged to cut or slit the edge of a material at right angles to the line of feed, a work-support, and feeding mechanism arranged to feed and crease the work, substantially as and for the purpose described.

3. The combination of the vertically-reciprocating knife or chisel with a work-support, and guiding and gaging mechanism, substantially as described.

4. The feed-roll C, beveled as shown, and provided with the groove *a*, in combination with the presser D, and vertically-reciprocating knife A, substantially as described.

EDWARD CORBETT.

Witnesses:

FEN. F. RAYMOND,
JOHN C. WHEELER.