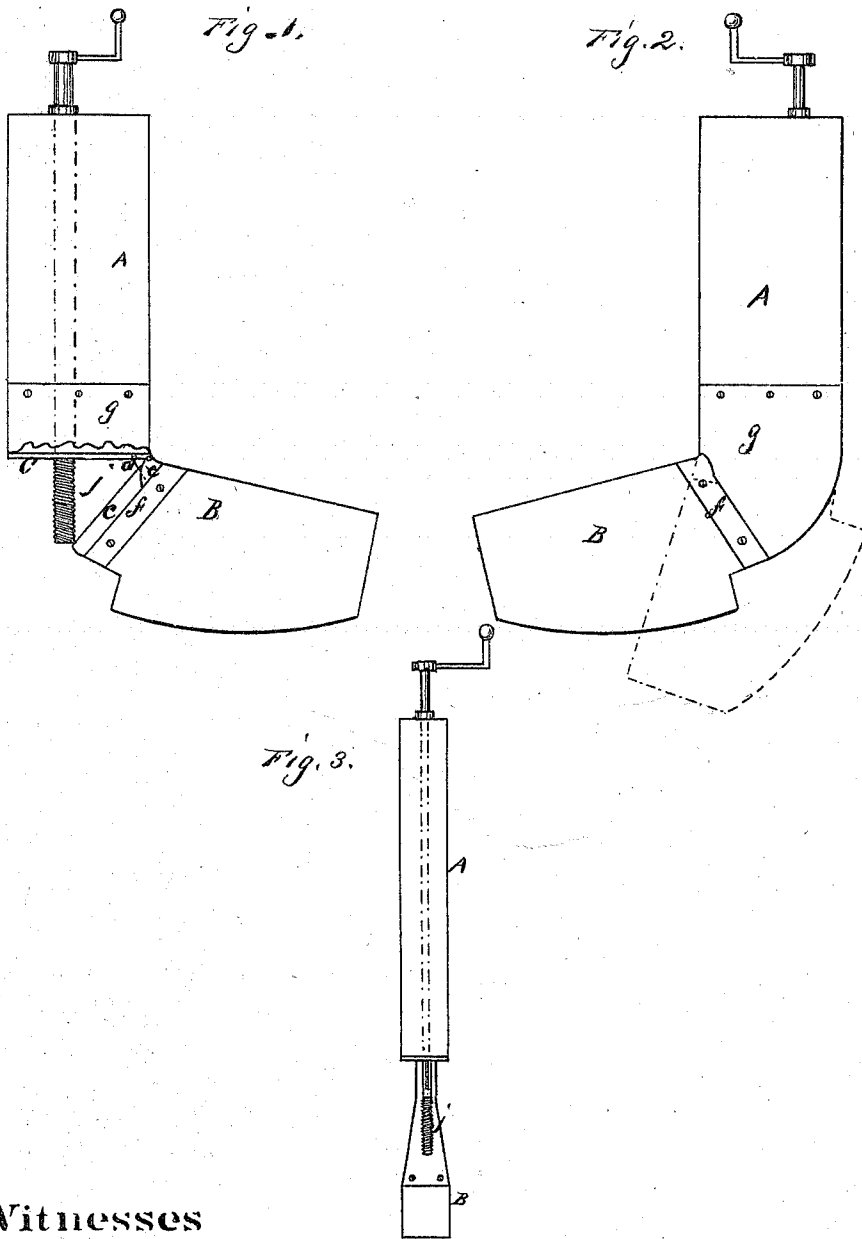


H. BORDNER & D. SULLIVAN.
Boot-Crimping Blocks.

No. 142,369.

Patented September 2, 1873.



Witnesses

John L. Corne
C. W. Richardson

Henry Bordner
Denis Sullivan
per Dewey & Co
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UNITED STATES PATENT OFFICE.

HENRY BORDNER AND DENIS SULLIVAN, OF VIRGINIA CITY, NEVADA.

IMPROVEMENT IN BOOT-CRIMPING BLOCKS.

Specification forming part of Letters Patent No. **142,369**, dated September 2, 1873; application filed April 5, 1873.

To all whom it may concern:

Be it known that we, HENRY BORDNER and DENIS SULLIVAN, of Virginia City, Storey county, State of Nevada, have invented an Improved Boot-Crimping Block; and we do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use our said invention or improvement without further invention or experiment.

Our invention relates to a jointed crimping-block for crimping the upper leathers of boots, in order to form them into the proper shape to fit the foot. Our improvement consists in constructing the block so that the upper can be secured upon it by means of tacks and clamps, in the usual way, while it is almost straight, after which the upper is stretched to the required shape by shifting the position of the two parts of the crimp by means of a screw.

In order to more fully illustrate and explain my invention reference is had to the accompanying drawings forming a part of this specification, in which—

Figure 1 is a side elevation with a portion broken away to show the screw. Fig. 2 is a side elevation. Fig. 3 is a back view.

A represents the leg, and B the vamp or foot-blocks of our improved crimper. To the lower end of the leg-block we secure a plate, C, the front end of which projects downward, forming a lug, *d*. The opposing end of the vamp-block is also faced with a plate, *c*, the forward end of which projects upward, and is separated into two lugs, *e*, forming a female leaf, between which the lug *d* is secured, so as to form a hinge-joint, by which the two blocks are united. The upper end of the vamp-block B is bound with a narrow band, *f*, while the lower end of the leg-block A is bound with a wide plate, *g*, which is cut away at the instep of the crimper, so as to allow the foot-block to be shifted about the joint until it stands at a right angle to the leg-block. The binding-plate *g* extends downward toward the back side of the crimpers, so as to cover

the triangular space, which is formed when the two parts are opened about the hinge. A long screw, *j*, which is turned by a crank, K, passes longitudinally through the rear part of the leg-block, so that its lower end will pass through the face-plate *c* at the lower end of the block, and serves, when turned down, to force the vamp or block upward.

To crimp the upper of a boot, the crimper is straightened, and the upper tacked upon it, using two nails upon each side—one at the top and one at the bottom. The usual clamps are then applied at the opening behind the joint, so as to hold the upper firmly to the block at this point. The screw *j* is then turned down, so that its lower end will press upon the end plate *c* and force the vamp to its rectangular position, thus drawing the upper to the required shape. If the upper should happen to wrinkle a few rubs will remove the wrinkles and leave the leather smooth. It is evident that as the screw *j* passes down, and the strain increases, the angle at which the screw touches the plate *c* will change, and, by the incline, give to the screw an increased power.

With a crimper constructed in the above-described manner we are able to do almost twice the amount of the work with much less trouble and labor than can be done with the ordinary crimper.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

The leg-block A, and vamp or foot-block B united by the joint *d e*, in combination with the screw *j* passing through the block A, and whose free end presses against the plate *c*, operating on the plate at different distances from the joint as the foot-block is raised, substantially as and for the purpose described.

In witness whereof we hereunto set our hands and seals.

HENRY BORDNER. [L. S.]
DENIS SULLIVAN. [L. S.]

Witnesses:

W. H. BURRALL,
JASON O. POWERS.