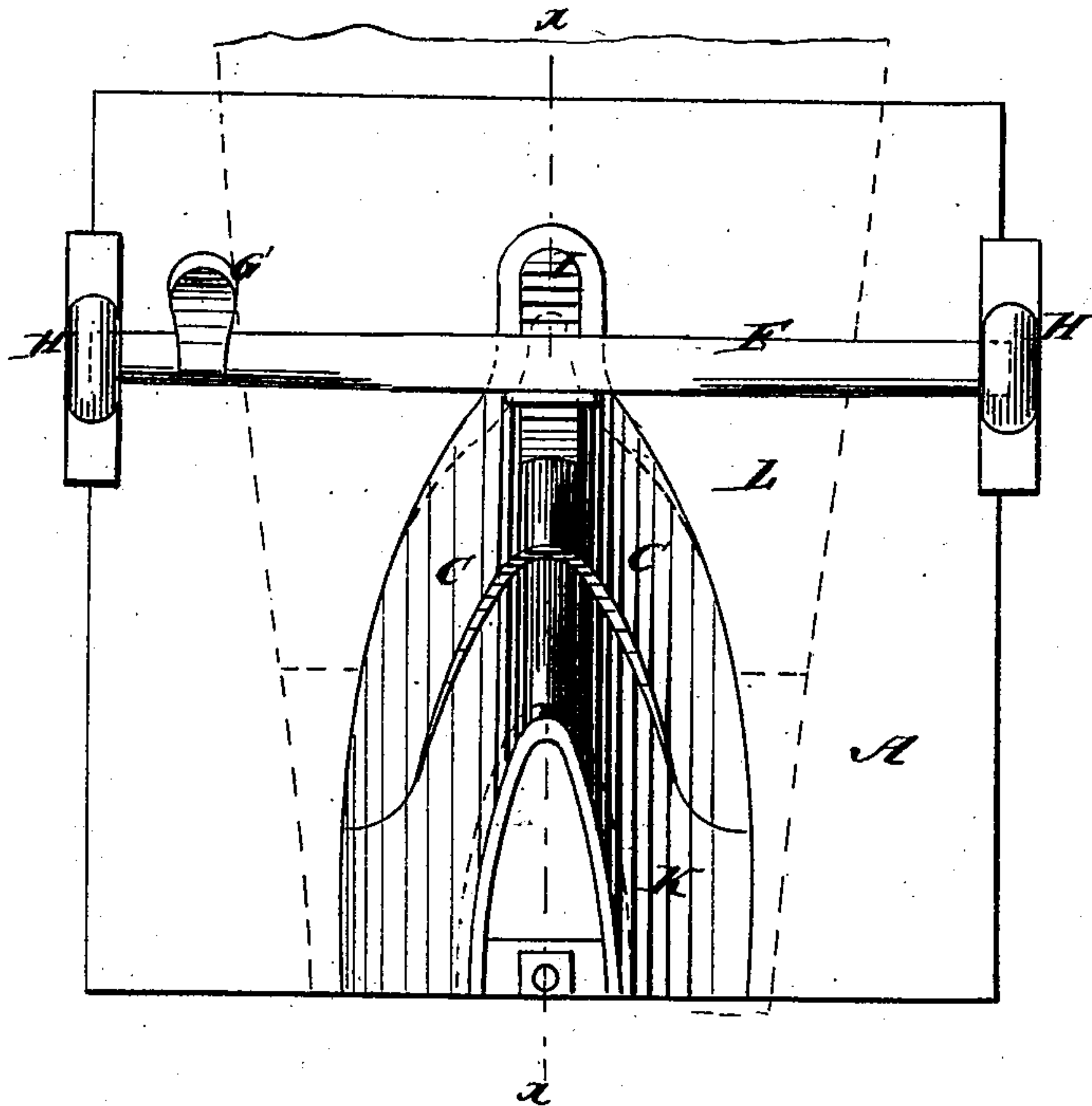


**T. J. GREENWOOD.**  
**Crimping-Machine.**

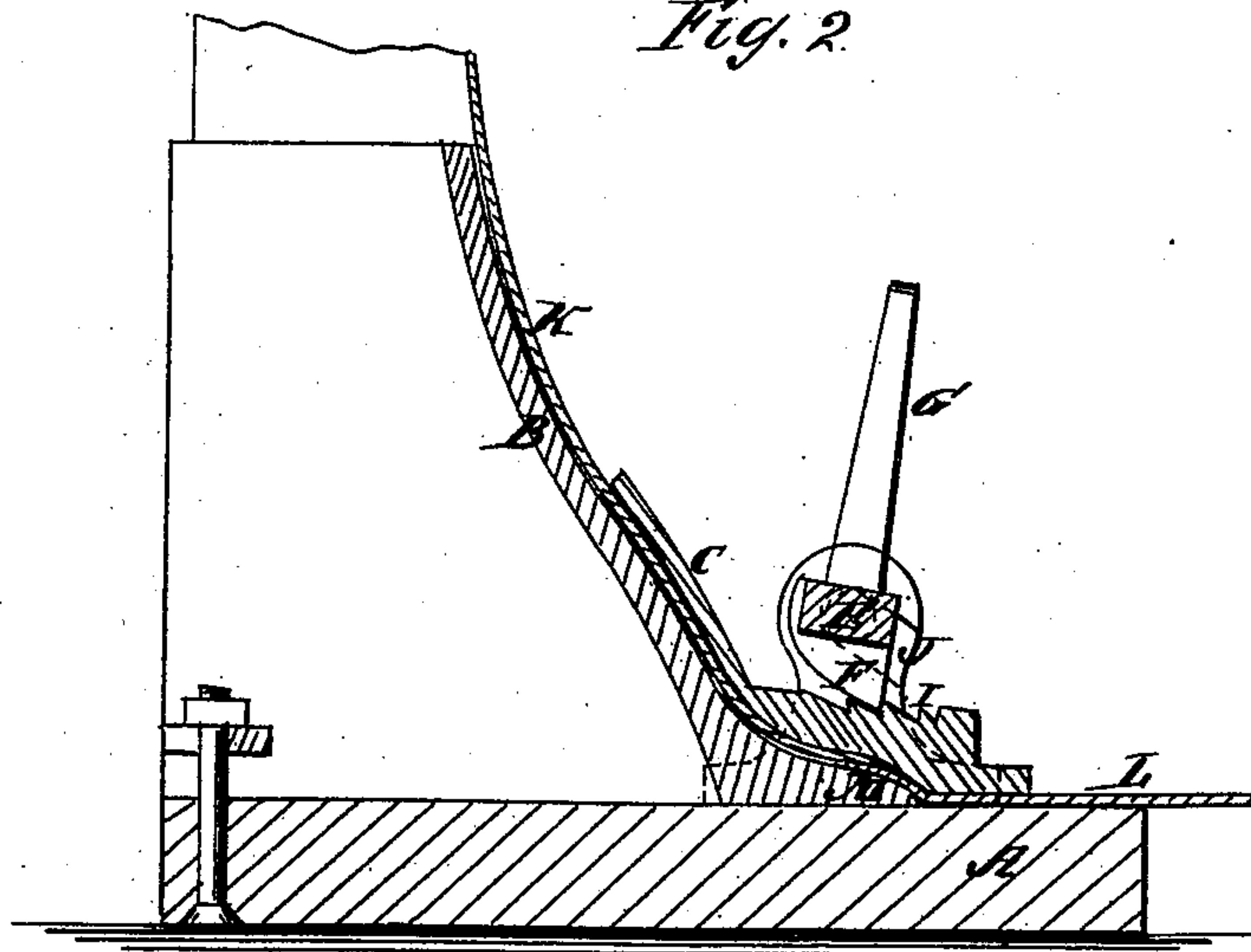
No. 167,661.

Patented Sept. 14, 1875.

*Fig. 1.*



*Fig. 2.*



**WITNESSES:**

*E. Wolff*  
*A. J. Terry*

**INVENTOR:**

*Thos. J. Greenwood*  
 BY *mmf*  
**ATTORNEYS.**

# UNITED STATES PATENT OFFICE

THOMAS J. GREENWOOD, OF WARREN, ILLINOIS.

## IMPROVEMENT IN CRIMPING-MACHINES.

Specification forming part of Letters Patent No. **167,661**, dated September 14, 1875; application filed July 10, 1875.

*To all whom it may concern:*

Be it known that I, THOMAS J. GREENWOOD, of Warren, in the county of Jo Daviess and State of Illinois, have invented a new and Improved Crimping-Machine, of which the following is a specification:

The object of my invention is to provide a simple and efficient machine for crimping and pasting tongue-boots at the same time, whereby a considerable economy of time and labor can be effected, besides some waste of material avoided.

The invention consists of a board or base-plate, whereon is a crimping block or former, on which the boot is to be stretched; a clamp, which is the counterpart of some portions of the block, and the base-plate for pressing the leather into shape upon it; and a shaft, cam, and lever, for actuating the clamp, the shaft being detachably supported in its bearings, so that it can be taken out of the way readily for removing and applying the clamp, and the clamp being notched or serrated in the seat on which the cam works, to hold it whenever it comes to rest.

Figure 1 is a plan view; and Fig. 2 is a sectional elevation of Fig. 1, taken on line *x x*.

Similar letters of reference indicate corresponding parts.

A is the base-plate; B, the crimping-block; C, the clamping-plate; E, the shaft; F, the cam; G, the lever, and H the bearings of the

shaft. The back or top of the clamping-plate is serrated at I, to catch the point of the cam whenever it comes to rest in pressing down the leather, and one of the bearings, H, has an inclined slot, J, to allow of taking out and putting in the shaft readily for affording the requisite freedom in putting on and taking off the clamping-plate. K represents the tongue front, and L the leg part, which I first cut out in just the size and shape I want them, and lay the leg part on the base-plate, and partly on the crimping-block, as shown. Then I paste the part of the tongue front which is to overlap the leg part, and place it on the crimp with the pasted edge overlapping the leg part, as shown at M. Then I apply the clamp-plate C and cam, and press them down to the shape of the crimp, and tack them without wetting the leather, as they have to do when using the ordinary crimp.

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

The combination of bed-piece A, crimping-block B, clamping-plate C, cam F, shaft E, and lever G, all arranged substantially as and for the purpose specified.

THOMAS JEFFERSON GREENWOOD.

Witnesses:

J. HARPER HUTCHINSON,  
EDWIN T. WARD.