2 Sheets, Sheet 1.

E. M. Dickinson

Shoe-Upper Machine.

No. 47,191. Patented Apr. 11, 1865.

Fig. 3.

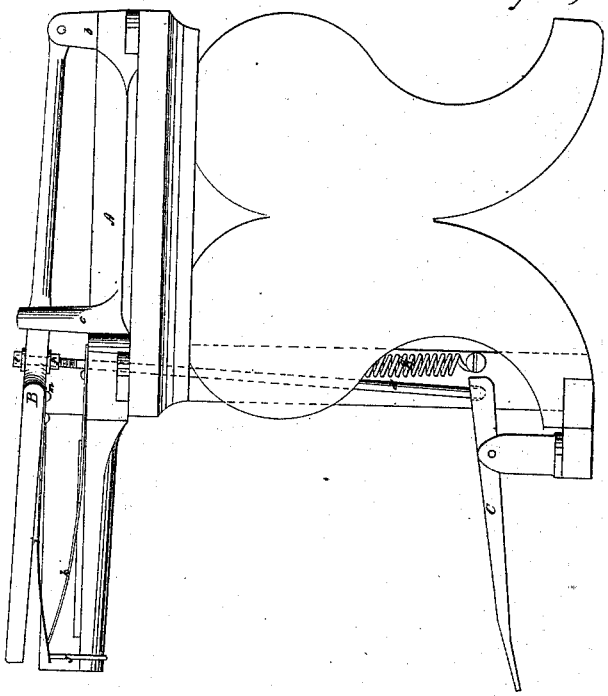
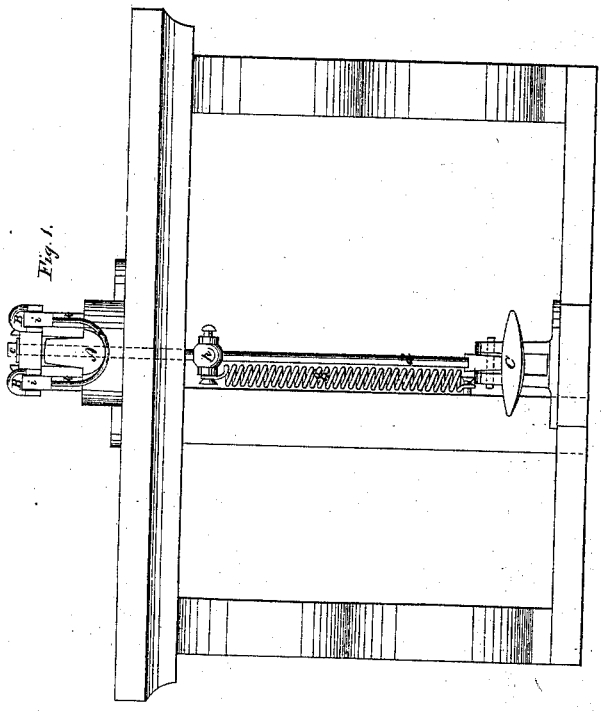


Fig. 1.



Witnesses
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W. B. Lang

Inventor
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2 Sheets, Sheet 2.

E. M. Dickinson

Shoe Upper Machine

No. 47,191. Patented Apr. 11, 1865.

Fig. 4.

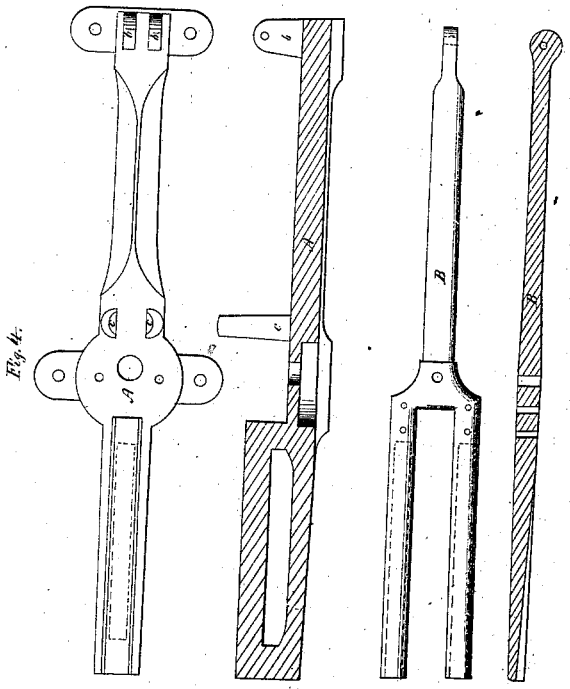
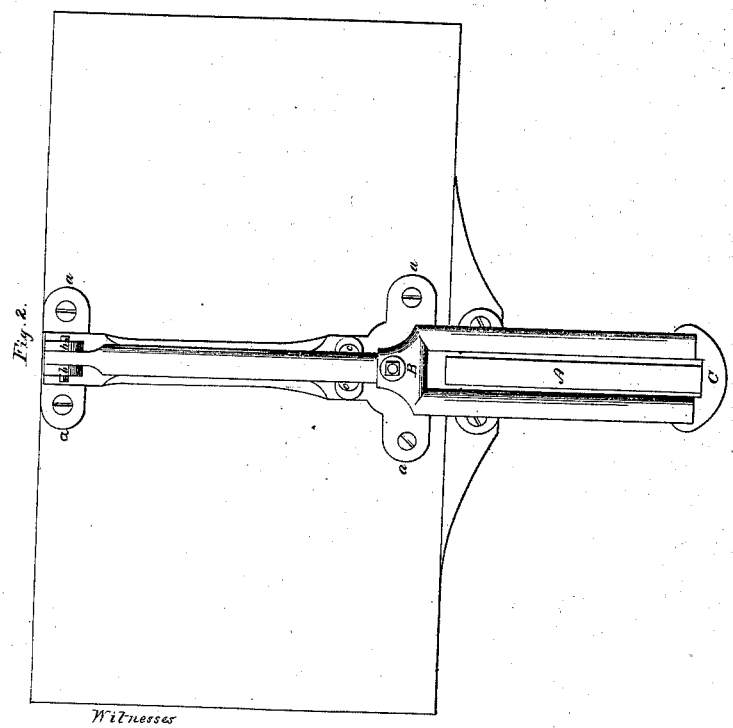


Fig. 2.



Witnesses

C. H. Bruce

J. B. Lange

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UNITED STATES PATENT OFFICE.

E. M. DICKINSON, OF FITCHBURG, MASSACHUSETTS.

MACHINE FOR HOLDING THE UPPERS OF BOOTS AND SHOES.

Specification forming part of Letters Patent No. **47,191**, dated April 11, 1865.

To all whom it may concern:

Be it known that I, E. M. DICKINSON, of Fitchburg, in the county of Worcester, in the State of Massachusetts, have invented a new and improved machine for holding the uppers of boots and shoes while cutting off the welt, trimming, rubbing down, and otherwise finishing the seams; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

Figure 1 is a front elevation, Fig. 2 a top view, Fig. 3 an end view, and Fig. 4 a detached drawing, of some of the parts.

The process hitherto of holding the uppers of boots and shoes while cutting off the welt, trimming, rubbing down, and otherwise finishing the seams, is performed by laying the leather with the said welt or seam across a saddle or rest and holding it with one hand while with the other the work is performed. By my invention the work can be more rapidly executed and with greater satisfaction.

In the drawings, A is what I term the "rest," which is firmly secured to a table or bench, as shown at *a*, and having projections or ears, as at *b*, and guides, as shown at *c*.

B is a forked clamp with one end hinged in the projections or ears *b*, and the other end, which is forked, clasps about the rest A.

C is a treadle with a rod, *d*, resting in the end of it and attached to the forked clamp B by a nut, *e*, on top and another nut, *f*, under it. A spiral spring, *g*, is attached to the rod *d* by means of a collar, *h*, and the other end is secured to a convenient place under the table or bench so as to leave it resting contracted.

i i are two straight steel springs secured to the forked clamp B by means of the rivets or screws *m*, and lying embedded in grooves on the under side of the forked clamp B, and having a yoke, *j*, riveted to their ends, passing under the rest A.

k k are another set of curved or bent springs, secured to the rest A in the same manner as the above, and made to act so as to have a continual pressure on the under side of the ends of the springs *i i*, thereby giving the butt and the ends of the springs a uniform strength.

Having thus fully described my invention, I will now proceed to illustrate the manner in which it is operated.

The operator with the article to be operated on stands in front of the machine and by pressing with his foot on the treadle C imparts an upward motion to the rod *d*, thereby raising the forked clamp B sufficiently high so as to allow the operator to insert the article to be operated on between the forked clamp B B and the springs *i i*. The foot is then withdrawn, and, by the action of the spiral spring *g*, the rod *d*, having, as before stated, the forked clamp B attached to it, is contracted or drawn down thereby, allowing the straight springs *i i* to resume their place in the grooves of the forked clamp B B, therein securing the work firmly in its place, so that the operator can use both hands to perform the operation.

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

1. The forked clamps B, the springs *i i*, the yoke *j*, and the springs *k k*, or their equivalents, in combination with the rest A, as substantially described.

2. The forked clamp B, the springs *i i*, the yoke *j*, and the spring *k k*, or their equivalents, the rest A, in combination with the rod *d* and the spiral spring *g*, or their equivalent, for the purpose herein set forth, reference being had to the accompanying specifications and drawings.

ELIJAH M. DICKINSON.

Witnesses:
C. H. B. SNOW,
J. B. SAWYER.