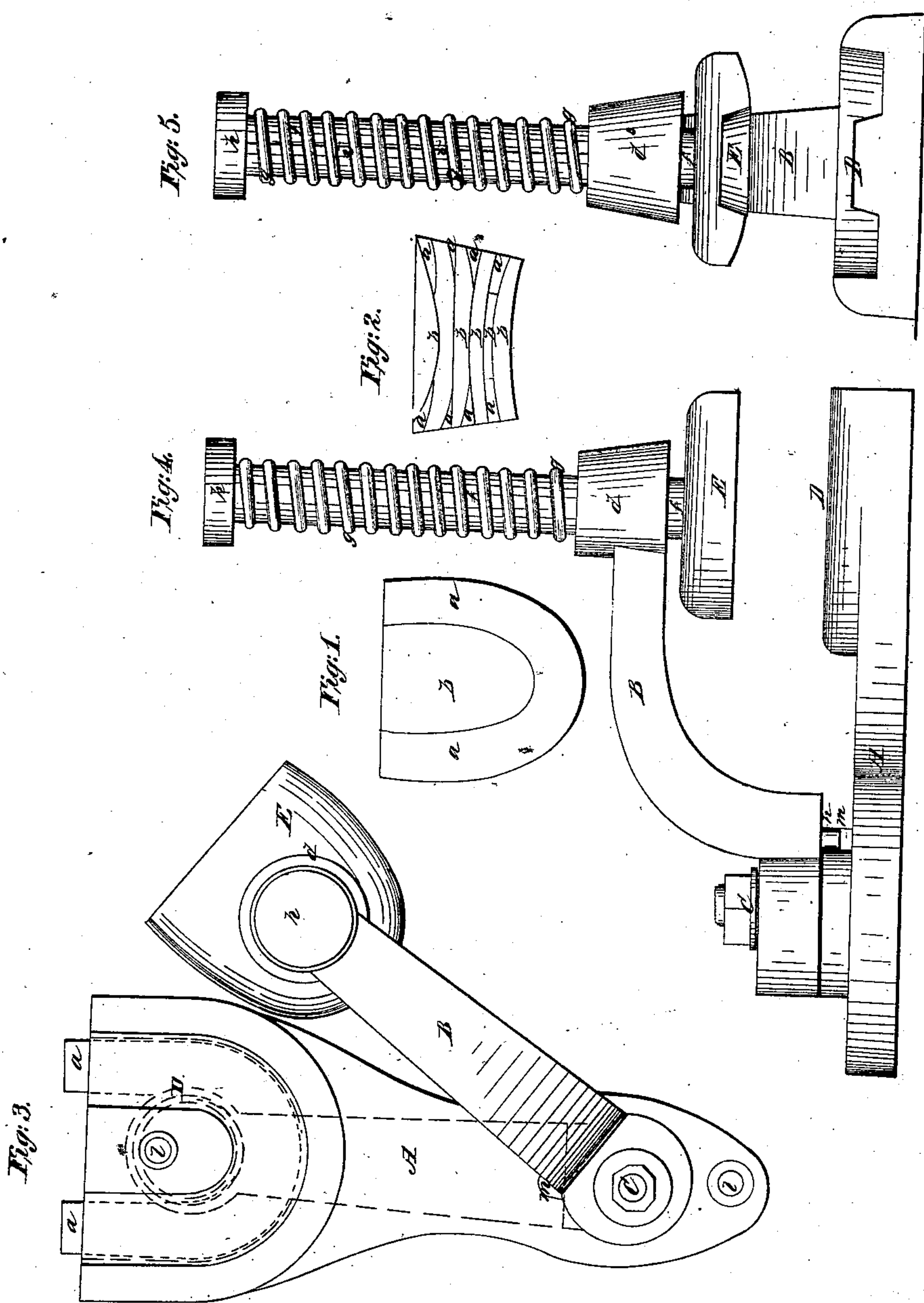


H.P. Stewart,

Shoe-Heel Machine,

N^o 60,588,

Patented Dec. 18, 1866.



Witnesses:

*R. D. O'Connell
M. Jones,*

Inventor:

*Horace P. Stewart,
By his atty,
J. S. Brown.*

United States Patent Office.

IMPROVEMENTS IN THE MANUFACTURE OF BOOTS AND SHOES.

HORACE P. STEWART, OF OAK'S CORNERS, NEW YORK.

Letters Patent No. 60,588, dated December 18, 1866.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HORACE P. STEWART, of Oak's Corners, in the county of Ontario, and State of New York, have invented an improved Instrument for Shaping Boot and Shoe Heels; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification—

Figure 1 being a top view of the improved boot or shoe heel which my improved instrument is employed in forming.

Figure 2, a front view of the same.

Figure 3, a top view of the instrument used in shaping the welts for the heels.

Figure 4, a side view thereof.

Figure 5, a front view of the same.

Like letters designate corresponding parts in all of the figures.

The instrument consists substantially of a base, A, having the holding die, D, for shaping the welts, at one end, and an arm, B, attached to the base to support the movable stamping die, E, which is to be forced down upon the welts in place on the die D. The supporting arm B swings around on the base A (which is generally fastened securely to the table or bench by screws passing through holes *l l*, fig. 3, therein) on a pivot, C, as indicated in fig. 3, so that it can be brought into place exactly in the right position, as shown by red lines in the figure; or be swung to one side, as indicated by black lines in the same figure. Thus it is convenient to insert and take out the welts, rendering the instrument very ready and efficient in operation. The pivot C, on which the arm B turns, may be made to move more or less freely, or be held from moving at all, by a nut clamping the arm upon the support A. There are stops, *m n*, on the two, so as to indicate and keep the arm B in exactly the right position to have its die, E, work accurately upon the die D. The die E has a shank, *f*, which slides up and down in a head, *d*, of the arm B, there being a vane, *i*, (or its equivalent,) on one side, fitting in a corresponding notch in the eye of the head *d*, to keep the die from turning out of position. There is a head, *h*, at the top of the shank *f*, to strike with a hammer upon, and force down, the die and give the impression. A coiled spring, *g*, brings the die up again into place, substantially as represented. The strip of leather is bent round in its groove in the lower die D after being wet; then the stamp die E is forced down upon it, and stamps it into shape, so that it will retain its form.

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

The instrument, as described, for shaping the heel welts, having its supporting arm B of the upper die swung on the base A, which bears the other die, substantially as and for the purpose herein specified.

The above specification of my improved instrument for shaping boot and shoe heels, signed by me this eighth day of November, 1866.

HORACE P. STEWART.

Witnesses:

W. O. DIMOCK,

LYSANDER REDFIELD.