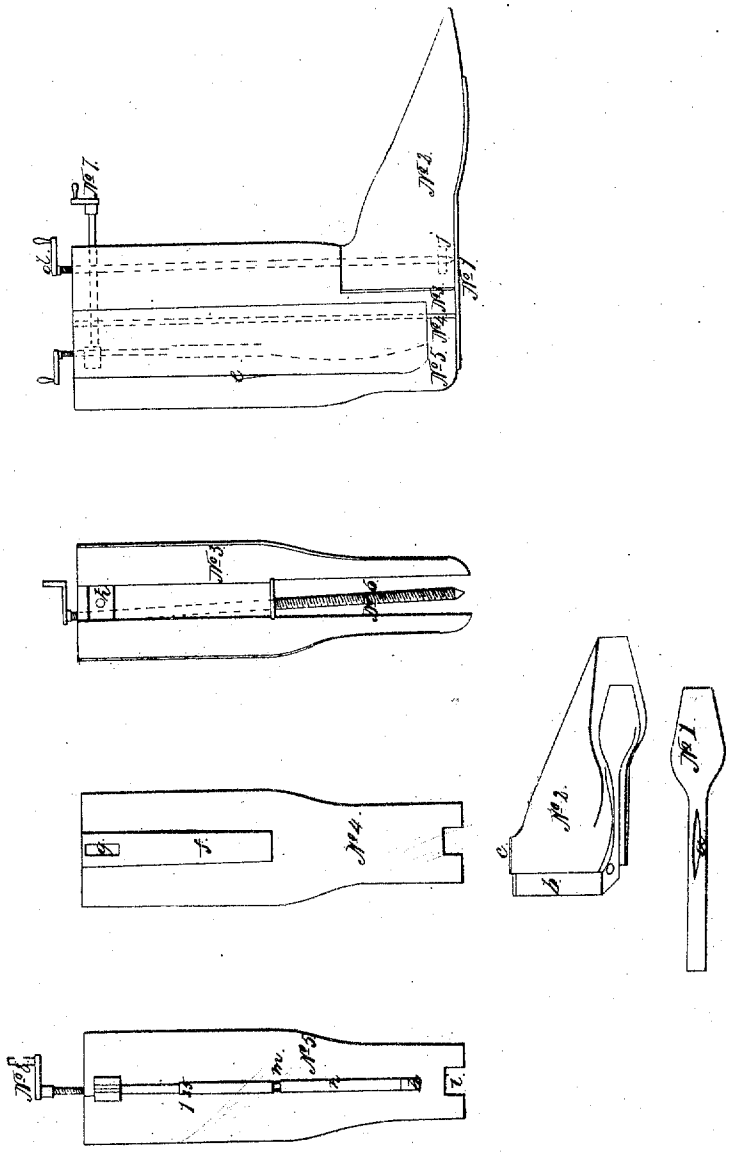
No Printed Specification Available

9434X

M. Mathew.

Boot Tree.

Patented Feb. 25 1836.



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July 25, 1836

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Mathew Mathews of the County of Wayne. Ohio

Letters Patent

The Schedule referred to in these Letters Patent and Making part of the same, containing a description in the words of the said Mathew Mathews himself of his Improvement in the expanding Boot-tree,

To all to whom these presents shall come,

Be it known that I Mathew Mathews of the County of Wayne and State of Ohio have invented a new and useful improvement in the Boot-tree and the following is a full and exact description of the construction and operation of the Boot-tree as improved by me, 1st The toe is made to extend from eight-tenths, viz. No. 1, of an inch square from the instep to the sole to an edge, the shank or leg part No. 2, is made the same size from No. 1 and four and twenty-thirds No. 5, leaving a shoulder the shank is four inches long, two inches in width on the back, and half inch in thickness and at the narrow the ball one inch in thickness with a groove two inches in length, one fifth of an inch in depth to receive the point of a screw and two screws, denominated the thin screw for the purpose of uniting the boot on the instep at No. 3 the foot is divided into No. 3, by an upright dovetail on the upper side of No. 2, a plate of Brass or copper about 6 fit a similar plain on No. 3, No. 2 the shin is a piece of wood shaped in the form of a key from the top to the middle of the shin on each side of No. 3, a dovetail a piece of brass to cover the cavity made by the dovetail No. 2 is a key dovetailed into No. 3 for the purpose of uniting them one inch of the foot of the [illegible] through the upper [illegible] which mortise is to receive

a screw A°5, the back piece or calf is a piece of wood made in the form of a half circle, as far as the middle of the calf containing a groove to receive a screw and wedge the groove is one and one fifth inch in depth, three fifths of an inch in width ranging from the surface of the lower end, at the upper end of A°6 is a mortise one and one half inch in length one and one fifth inch in width the same in depth at the lower end of A°5 is a mortise one half an inch in depth and one inch in width to receive the end of A°1 A°6. The perpendicular screw passing through A°3 and A°2, its point operating in the groove of A°1, near the end on the bottom of A°2. is a brass screw nut, one and one half inch in length and of sufficient thickness to receive a screw one half an inch in diameter passing through the said nut acting on A°1, to raise the wedge A°4, the horizontal screw three eighths of an inch in diameter passing through A°3 and through a brass or iron nut, inserted in A°3, and through one or more keys of iron or cylindric acting on a groove nut which is attached to A°8 for the purpose of screwing the legs of the stool at the top A°8 is a perpendicular screw eleven inches in length five eighths of an inch in thickness containing a groove nut which one inch and one half in length one and one fourth inch in width three and one fifth inch in depth to receive A°7, there is attached to the extremity of A°8 a joint pointed with steel, inserted in an iron socket pointed with steel with a small moveable arm to prevent the screw from separating from the leg and at the same time to act as a counterbalancing a circular joint, the wedge is one inch three fifth inches in length and one eighth of an inch in width and three fourths of an inch in thickness from the centre acting to a point downwards, receiving from the centre the wedge is made of iron plate, which the grain of the

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bar b which it is similar by the point, the bar is one and three fourth inches in length, the extreme end of the bar is a semicircle with a tongue made to fit the appearance of the wedge Operation The respective Nos of the boot tree are inserted into the Boot the facility by which the instep is raised by the turning of No 6 is appreciative by those only who have tested its utility — No 8 the screw and wedge increase the Boot in size at the lower end No 9 increases the size of the boot at the top thus the necessity of hammering or defacing the work, is dispensed with in a manner satisfactory to those who have witnessed the operation — Invention Claimed I claim as my invention the peculiar form and combination of the Boot Tree, as above described 1st the perpendicular screw, 2nd the horizontal screw 3d the screw and wedge 4th the plate of steel 5th the iron channel and dovetail groove all the above discoveries or improvements are dependent upon together with the privilege of varying the proportions of materials as may best suit my fancy so that I depart not from the principles therein set forth —

Witnesses

S. M. Schneider

D. A. Sprague

Walter Walkins

Ex?
Chief

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Drawing