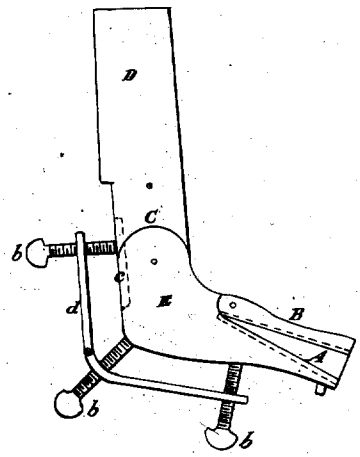
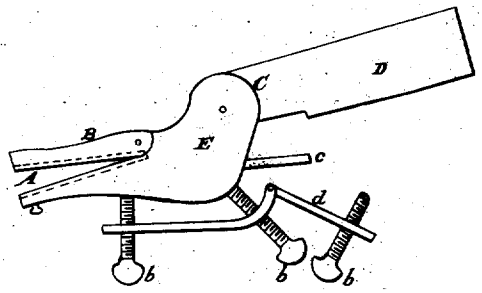
8905X

N. Ayer,

Crimping Machine,

Patented June 19, 1835.







N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

June 19. 1855

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Nathan Dyer.

8905 X

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 Nathaniel Dyer himself of his improvement in the mode of making or Manufacturing Boots by an instrument called the Hinge Boot Cramp.

To all to whom these presents shall come.

Be it known that I Nathaniel Dyer of Mokelumne in the County of Calaveras and State of Vermont, have invented a new and useful improvement in the mode of making or manufacturing Boots by an instrument called "the Hinge Boot Cramp" and that the following is a full and exact description thereof viz. The main part of the "Hinge Boot cramp" is formed of hard wood or other suitable Material of an inch in thickness more or less & of sufficient depth for the front of the Boot. the foot and leg being united by a joint to leave the human foot and leg free. This joint may be constructed by a semicircular concavity or convexity in the leg or foot, and the reverse in the other at or about the place for the ancle joint. there may be a convexity in one case part to be inserted as a tongue in a concavity of the other part and fastened by a pin passing the centre of the arc of the circle forming said joint, or instead of the above mode a Metallic plate with suitable shanks or other fastenings may be inserted, or said joint may be made in any manner now known. In the instep of the foot is another joint formed to cover the foot in two parts to the toe for the purpose of inserting a wedge or to be operated upon by a screw or lever to assist in the accomplishing of which the powers hereinafter named shall be put in operation. This wedge may have cleats or other fastenings to mate into grooves or other suitable places in the cramps to prevent it from slipping when the instrument operates.

The

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The foot part of said Hinge Boot Stamp is on either side chamfered nearly to an edge. On the bottom of the foot may be inlaid a plate of metallic or other hard substance for a screw hereinafter named to play against. Also secured to the heel is a plate of iron or other metal in which is inclined the end of a screw which operates as a purchase at that point. In the lower part of the back of said stamp is a cut recess in depth to a plate of iron or other metal, which is attached to said stamp by the last named screw, upon the bottom of the foot and back of the leg leaving in it a joint near the heel when it is fastened and closed at the end with screws at each end, through said iron into aforesaid foot and leg into their proper places, and press said iron outwards which will operate upon the leathers wicked for. In the back part of said stamp is a groove in the end in which is inserted a tongue or latch to keep the stamp erect when placed so - and also to serve for a bed piece for the screw in that part of the instrument to operate against without injury. The screws may be made of iron or other metallic or hard substance, may be made of metallic substances or of wood or stone substances or of wood or stone, or of any durable material of which it is capable of being made. The foregoing is substantially a description of the instrument. Its peculiar utility and improvement is shown in its application to use. Having suitably blocked out the leathers to be stamped. Throw the leg and foot of the stamp by means of the hinge as near as may be in a straight line, fasten the leather around it in the proper place by slightly sewing the opposite edges from inside the leg and latch it, insert the wedge at the toe. Then by turning the screws on the bottom of the foot at the heel and back - the leather to be stamped will be immediately compressed into the desired shape. In Testimony whereof and that the above is a true specification of my said improvement as above described I have hereunto set my hands & Seals and seal this 29th day of April 1835

Witnesses
Jery Dickerman
Joseph Hutchison

Nathaniel Ager. (Seal)

(Danbs June 19. 1835)

Drawing