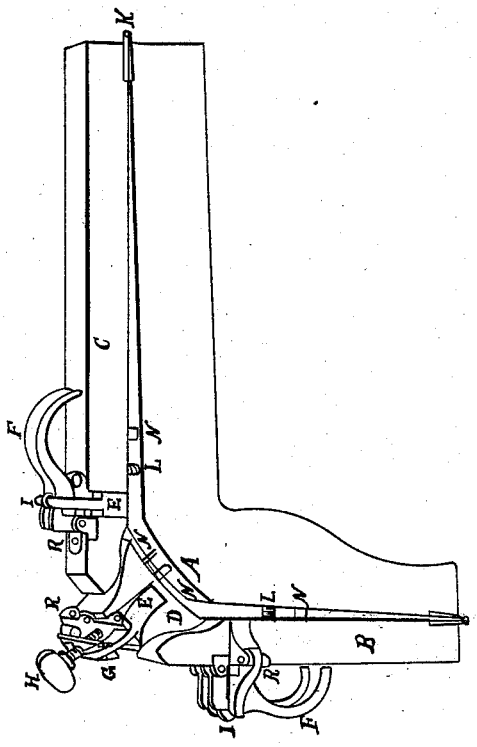
E. P. Drake,

Crimping Leather,

No. 3,340, Patented Nov. 15, 1843.



Witnesses:

Alex. Johnson.
George VanDerhyden.

Inventor:

Eli P. Drake.

UNITED STATES PATENT OFFICE.

ELI P. DRAKE, OF TROY, NEW YORK.

BOOT-CRIMP.

Specification of Letters Patent No. 3,340, dated November 15, 1843.

To all whom it may concern:

Be it known that I, ELI P. DRAKE, of the city of Troy, in the county of Rensselaer and State of New York, have invented a new and useful Improvement in the Mode of Crimping Boots, called the "Power Crimp-Board;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, in which—

A, represents the front board; B, the foot piece; C, the back board; D, a movable block; E, E, E, pincers; F, F, levers; G, a nut; H, a screw; I, a stationary post between levers; K, K, butts, or hinges; L, L, springs; N, N, N, N, posts; R, R, R, stationary castings.

A, the front board made of wood, or other material, is constructed in the ordinar form of a crimp board; B, the foot piece, attached to A, the front board, by hinge K, is constructed of the like material, and in length, extends to block D; C, the back board, attached to A, the front board, by hinge K, is constructed of the like material, and extends in length to block D; D is a movable block, made of the like material, and is constructed in the form of a wedge, of any size, suitable to the size of the machine; R, R, R, are stationary castings, of iron, brass, or any other suitable material, of any size corresponding to the size of the machine—the castings fixed upon the foot piece B, and back board C, having ears or projections upon the sides to which are fastened the pincers E, E, and ears or projections on the upper surface to which are fastened the levers F, F, by pivot, hinge, or otherwise; and the casting upon block D, having ears, or projections only on its sides to which are fastened the pincers, E, E; the said castings being fastened upon the foot piece, back board, and movable block, at any suitable point for convenient use; I, I, are center posts, between levers F, F, rising from castings R, R, on foot piece B, and back board C; F, F, are levers, fastened to castings R, R, by pivot, or hinge or otherwise,—that part of each lever which falls between center posts I, I, and pincers E, E, being made in the form of a wedge, and the rest in any form to suit the taste of the maker; E, E, E, are pincers fastened by a pivot or otherwise, to castings R, R, R, and of a size and length corresponding to the size of the machine, the surfaces thereof falling upon the foot piece, back board, and movable block being serrated or dentated, so as to clasp the leather more firmly; G is a movable nut upon screw H, made in the form of a wedge, and large enough to rise against and shut pincers R, on block D, whereon the screw is turned upward; H is a screw, of iron, brass, or other suitable material, passing through movable nut G, through stationary casting R, and through block D, against, or into front board A; N, N, N, N, are stationary posts, of iron, or other suitable material, upon which foot piece B, back board C, and block D, move, and by means of which their motions are made steady and regular; L, L, are springs, of wire, or otherwise, by means of which, foot piece B, back board C, and block D, are drawn back to their proper place after using.

The drawing accompanying this specification, and being a part thereof, presents a view of one side of the power crimp board, of which the other side is an exact counterpart.

The power crimp board is used in the following manner, viz: The leather being first cut into the proper form for the front part of a boot, and being in a suitable state for crimping, is laid upon front board A, and the corners of the leather placed between the pincers E, and block D. Then the screw H, is turned so as to raise the nut G, against the pincers, thereby clasping the leather firmly between the pincers E, and block D. The levers F, F, being then raised so as to open the pincers E, E, on foot piece B, and back board C, the leather is placed between pincers E, E, and foot piece B, and back board C, and the levers are then shut down and the leather is firmly clasped. The screw H, being then turned, the block D, is raised, which pressing against the footpiece B, and backboard C lifts them upward, and outward and thereby stretches the leather in three different directions at one and the same time. Any wrinkles in the leather may be smoothed down in the usual way by a shoemaker's hammer, or long stick, and the crimping is done.

I do not claim the invention of a form for

a boot-crimp, as the form must in all cases be nearly the same. But

I do claim—

1. The division of the crimp board into parts, as described in the above specification.

2. I also claim that combination of the lever and pincers upon foot-piece B, and back board C, by which the leather is clasped to the foot-piece and back-board.

3. And here I claim the privilege of using this combination of the lever and pincers upon the block D, for the purpose of clasping the leather to block D, if I should find it convenient to do so, instead of using the nut G, and pincers E, as above described.

4. I also claim the combination of the foot-piece B, back-board C, block D, screw H, nut G, and pincers E—by which combination, when the screw H, is turned, block D, is raised against footpiece B, and back board C, lifting them upwards and outwards and at the same time the nut G is raised against the pincers E, thereby clasping the leather firmly to block D, the result of the whole combined movement being to stretch the leather in three different directions at once and crimp it fit for use.

5. I also claim the combination of the foot-piece B, back-board C, block D, and screw H, by which when the screw H is turned, the block D, is raised against foot-piece B, and back-board C, lifting them upward and outward at the same time—the leather in this case being clasped to block D, by the lever and pincers, as in my second claim above mentioned.

6. Wherever pincers are above named, I only claim them in combination with other parts of the machine.

In testimony whereof, I, the said ELI P. DRAKE, hereto subscribe my name in the presence of the witnesses whose names are hereto subscribed, on this thirtieth day of October A. D. one thousand eight hundred and forty three.

ELI P. DRAKE.

Signed in presence of—
J. C. KNEELAND,
GEORGE VONDERHYDEN.