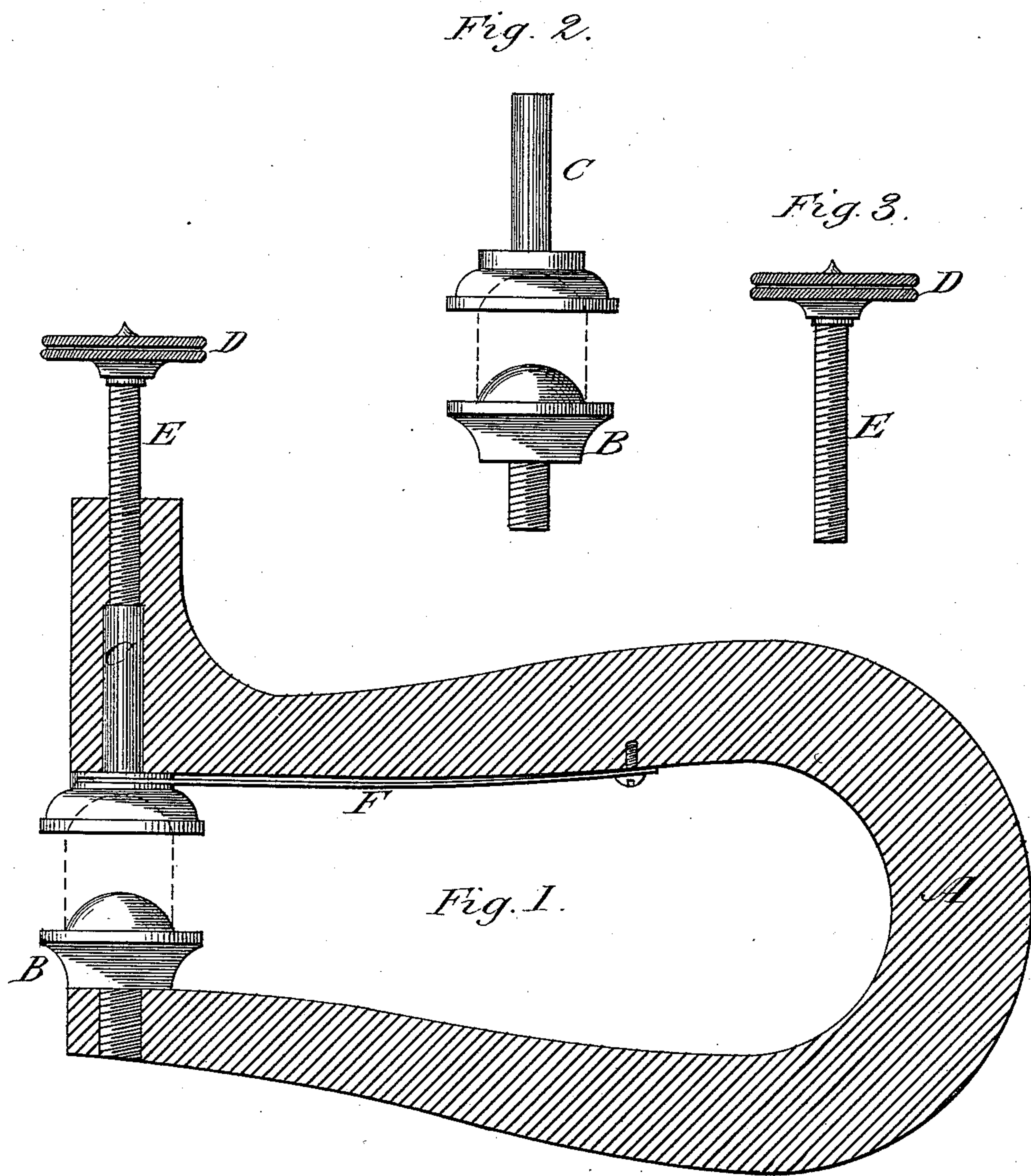


C. D. LAKEY.  
Device for Stretching Leather in Boots and Shoes.

No. 211,857.

Patented Feb. 4, 1879.



Attest:

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Inventor:

Chas. D. Lakey

# UNITED STATES PATENT OFFICE.

CHARLES D. LAKEY, OF NEW YORK, N. Y.

IMPROVEMENT IN DEVICES FOR STRETCHING LEATHER IN BOOTS AND SHOES.

Specification forming part of Letters Patent No. **211,857**, dated February 4, 1879; application filed June 11, 1878.

*To all whom it may concern:*

Be it known that I, CHARLES D. LAKEY, of the city, county, and State of New York, have invented a new and Improved Tool or Implement for Forming Cavities in Manufactured Boots and Shoes, in such manner as to relieve the pressure of the leather upon corns, bunions, and other similarly-affected parts of the foot, of which the following is a specification:

Figure 1 is a view of the said implement as completed and ready for operation.

A is the arched frame, at the ends of the two arms of which the forming-dies B and C are attached. The convex or male die B is permanently fixed upon the lower arm, while the concave or female die C is movable up and down in its socket upon the upper arm of frame A, being continually pressed upward by the spring F and operated upon by the screw E, which works in the socket in the upper arm. This screw is turned by means of a thumb-piece or lever, D. An eccentric cam-lever or other device may be substituted for the screw.

Fig. 2 represents the forming or embossing dies detached from the frame. C is the upper or female die, and B is the lower or male die. It is obvious that these dies may be of various dimensions and forms.

Hitherto it has been found very difficult, if not impossible, to prevent the leather worn

upon the feet from pressing upon corns, bunions, and the like, without injury to the shape or fit of the boot or shoe in parts requiring no alteration.

The object of my invention is to provide a cheap and effective device for stretching leather in manufactured boots and shoes at the precise point required, and in the form required, without in the least changing the shape of the boot or shoe in any other part.

The mode of applying it is to insert the lower arm of the frame A into the boot or shoe, bringing the die B immediately under the part which requires to be stretched. The screw E is then turned so as to bring the die C down upon the intervening leather, thus embossing it and forming an interior cavity.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the arched frame A with the dies B and C, the spring F, attached to the upper arm and operating upon the die C, and the screw E, for depressing the die C, substantially as and for the purpose hereinbefore described.

CHAS. D. LAKEY.

Witnesses:

FRED. T. HODGSON,  
JNO. A. SPRAIGHTS.