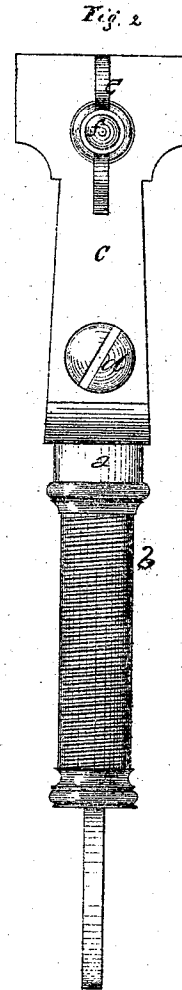
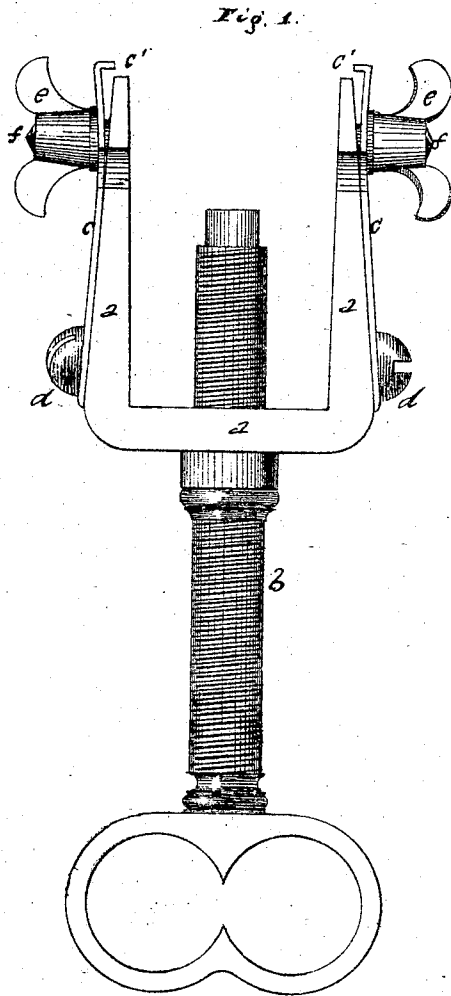


John Kunstler.

Crimping Clamp

117304

PATENTED JUL 25 1871



Witnesses.

L. Blafelin.

Samuel H. Homan.

Inventor.

John Kunstler.

by W. E. Simonds, atty.

Solicitor

Hartford Conn.

UNITED STATES PATENT OFFICE.

JOHN KUNSTLER, OF COLLINSVILLE, CONNECTICUT.

IMPROVEMENT IN CRIMPING-CLAMPS.

Specification forming part of Letters Patent No. 117,304, dated July 25, 1871.

To all whom it may concern:

Be it known that I, JOHN KUNSTLER, of Collinsville, in the county of Hartford and State of Connecticut, have invented an Improved Crimping-Clamp, of which the following is a specification:

This invention is a device for use in making boots, and is intended to facilitate the process known among shoemakers as crimping.

Figure 1 is a side view. Fig. 2 is a view at right angles to the view in Fig. 1.

a indicates a metal fork, which forms the main body of the clamp. *b* is the hand-screw, which serves to strain the leather after the clamp is applied. *c c* are springs fastened at *d d* to the outside of the fork *a*, running down to the ends of the fork, and there turning a right angle inward, forming teeth *c' c'*, which bite down onto the leather when the springs are compressed, which is done by means of the thumb-nuts *e e* running on screw-pins *f f* running through the springs into the fork.

I am aware that a clamp very much like this has been heretofore invented, to wit, the clamp shown in patent No. 46,427, dated February 14,

1865; but it is not intended herein to claim anything which might be properly claimed on that clamp, or in anywise interfere with that clamp; but my clamp has most important advantages over that, in that, 1st, it is simpler and easier and cheaper to make. 2d, to catch hold of the leather with the clamp shown in said patent it has to be raised off the block, and is left in that position when the crimping is finished, which is a disadvantage. The edges are also drawn over raised edges or corners, which must inevitably tend to crack and split the leather if much strain is put upon it. My invention, obviously, has none of these defects.

I claim as my invention—

A crimping-clamp, composed of the fork *a*, hand-screw *b*, springs *c c*, forming teeth *c' c'* over the ends of the fork, and compressed by thumb-nuts *e e* on the screw-pins *f f*, the whole arranged, constructed, and operated substantially as and for the purposes set forth.

JOHN KUNSTLER.

Witnesses:

A. L. THAYER,
O. F. PERRY.