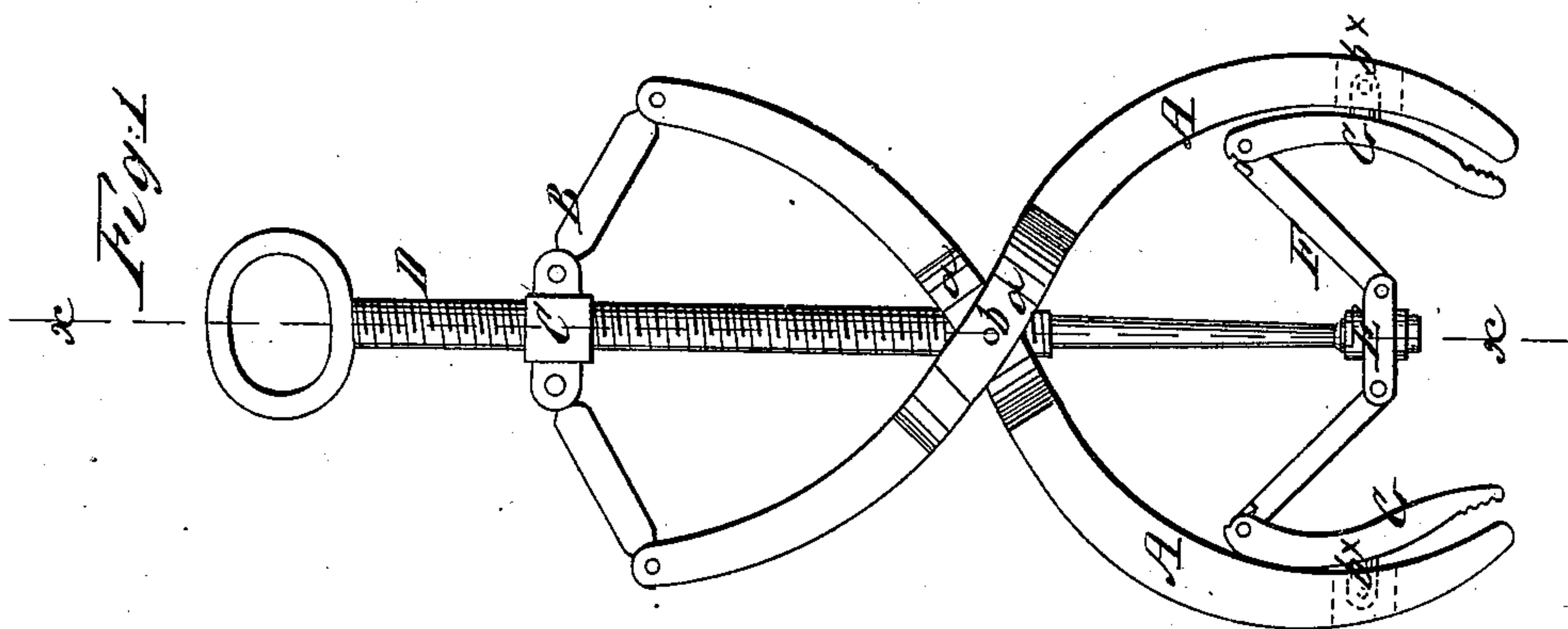
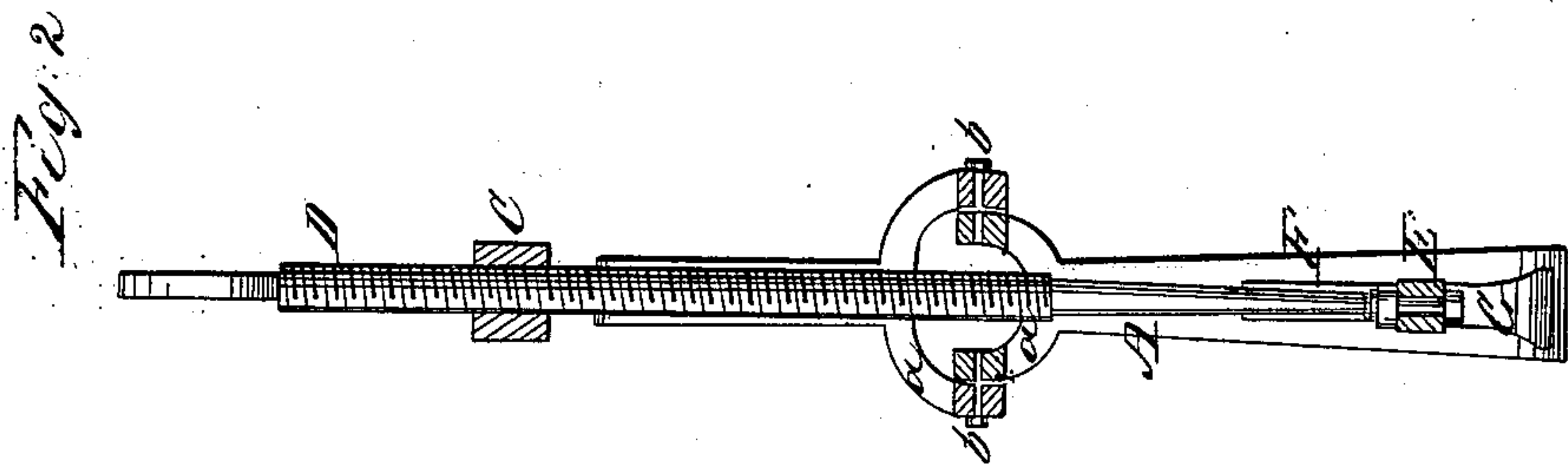


*G. Kump,*  
*Lasting Machine,*  
*No 52,055, Patented Jan. 16, 1866.*



*Witnesses*  
*Wm. Brown*  
*Theo. Tusch*

*Inventor*  
*Geo. Kump*  
*By Muntbo*  
*Atty*

# UNITED STATES PATENT OFFICE.

GEORGE KUMP, OF XENIA, OHIO.

## IMPROVED LASTING-PINCHERS.

Specification forming part of Letters Patent No. 52,055, dated January 16, 1866.

### *To all whom it may concern:*

Be it known that I, GEORGE KUMP, of Xenia, in the county of Green and State of Ohio, have invented a new and Improved Pinchers for Lasting Boots and Shoes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of my invention; Fig. 2, a vertical section of the same, taken in the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and improved pinchers for drawing the boot or shoe over the last, so that it may fit snugly thereto, which operation is technically termed "lasting."

The invention consists of two pairs of jaws connected together and operated by a screw and toggles, as hereinafter set forth.

A A represent the two main or principal jaws of the device, which are curved in S form, and have each a circular or oval loop, *a*, at their center, one loop fitting within the other, and connected by pivots *b*.

The upper ends of the jaws A A are connected by a toggle, B, to a nut, C, through

which a screw, D, passes, said screw extending down through the loops *a* of the jaws A A, and having its lower end fitted in a plate, E, which is connected by a toggle, F, with the upper ends of two jaws, G G, which are connected with the jaws A A by pivots *b*<sup>x</sup>, as shown in Fig. 1.

The lower ends of the jaws A A and G G are in line with each other, and it will be seen, by referring to Fig. 1, that by turning the screw D down the nut C will be raised while the plate E will be moved down, and the ends of the two pairs of jaws A A, G G, will consequently be moved toward each other and the leather firmly grasped at each side of the last, so that the boot or shoe may be stretched and drawn snugly over the last.

This implement may be manipulated with the greatest facility, and will greatly expedite the work of lasting boots and shoes.

I claim as new and desire to secure by Letters Patent—

The two pairs of jaws A A G G, in combination with the screw D, toggles B, F, nut C, and plate E, all arranged substantially in the manner as and for the purpose herein set forth.

GEORGE KUMP.

Witnesses:

LEWIS WRIGHT,  
HENRY MOSHIER.