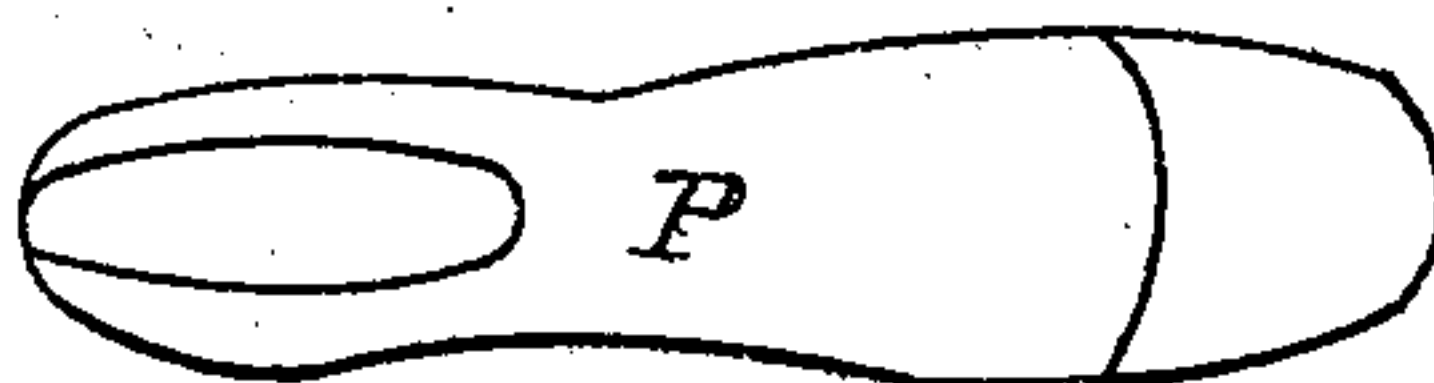
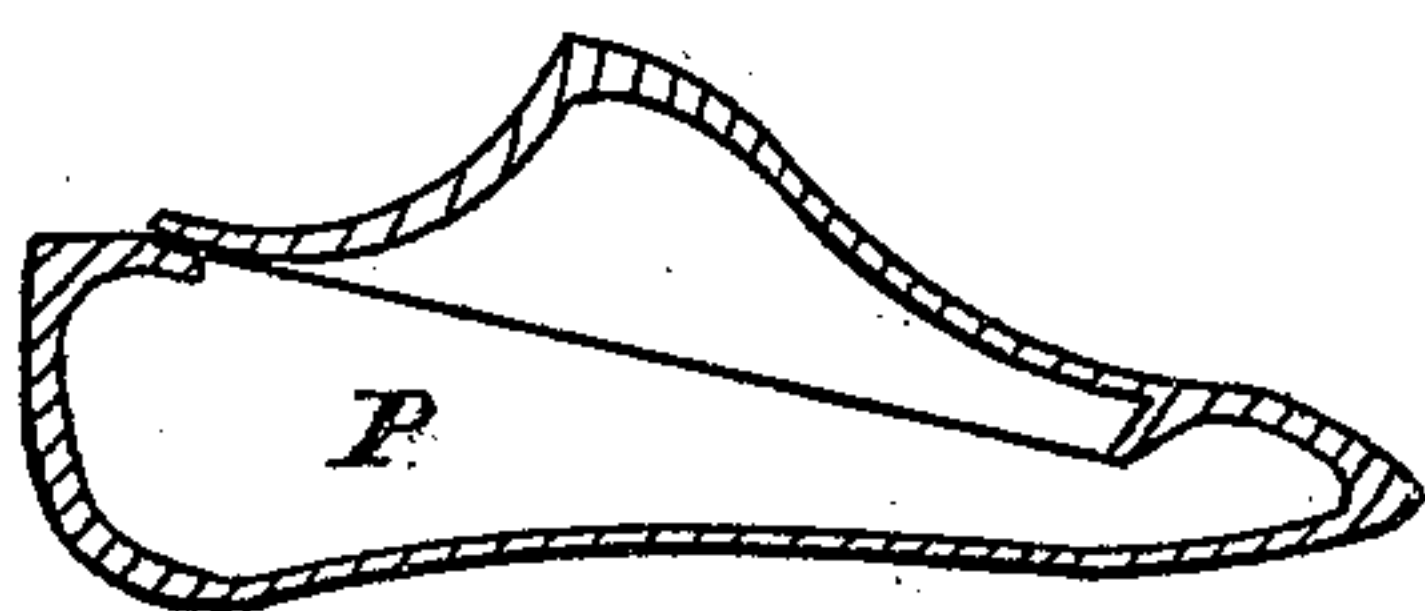
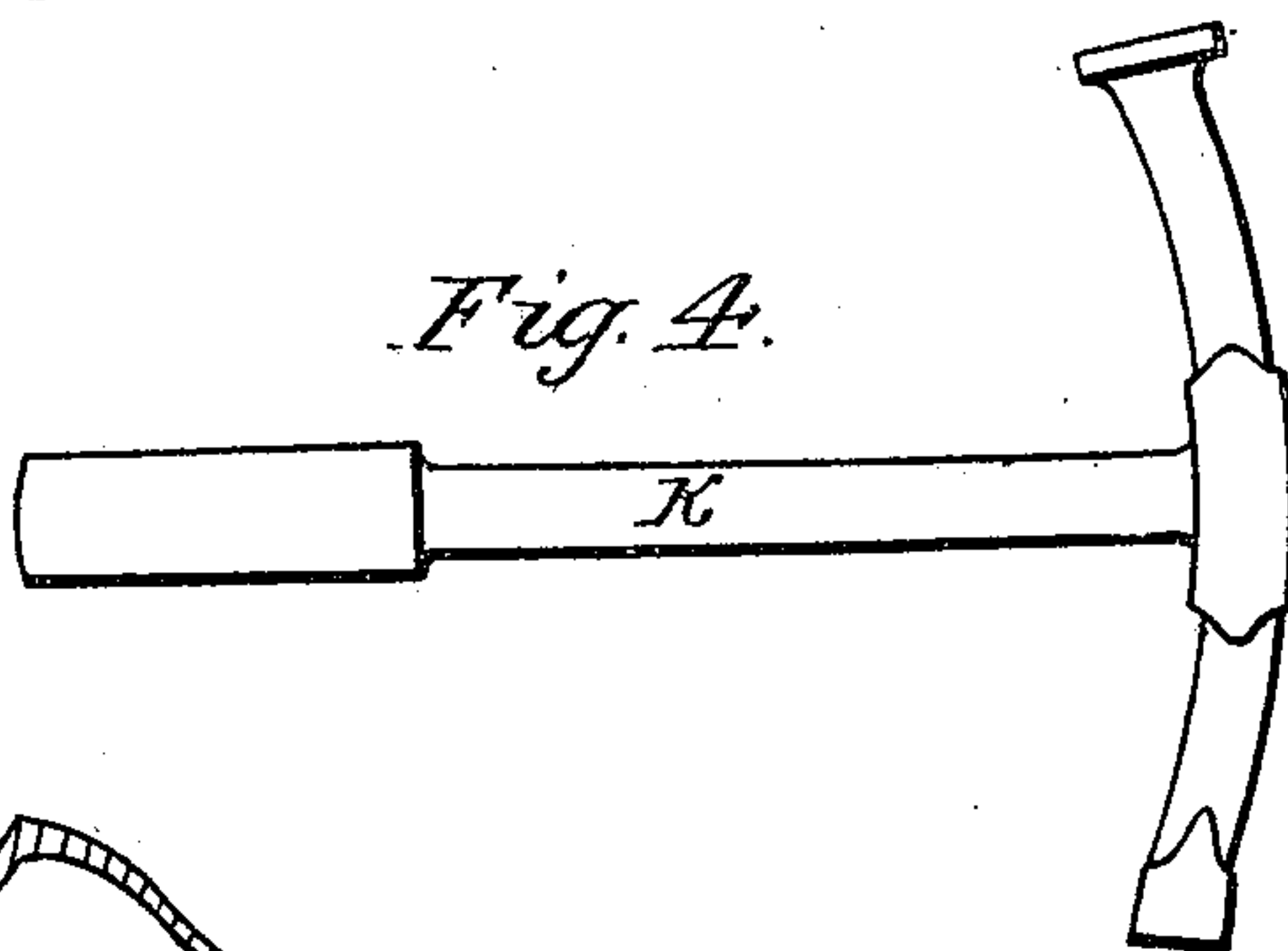
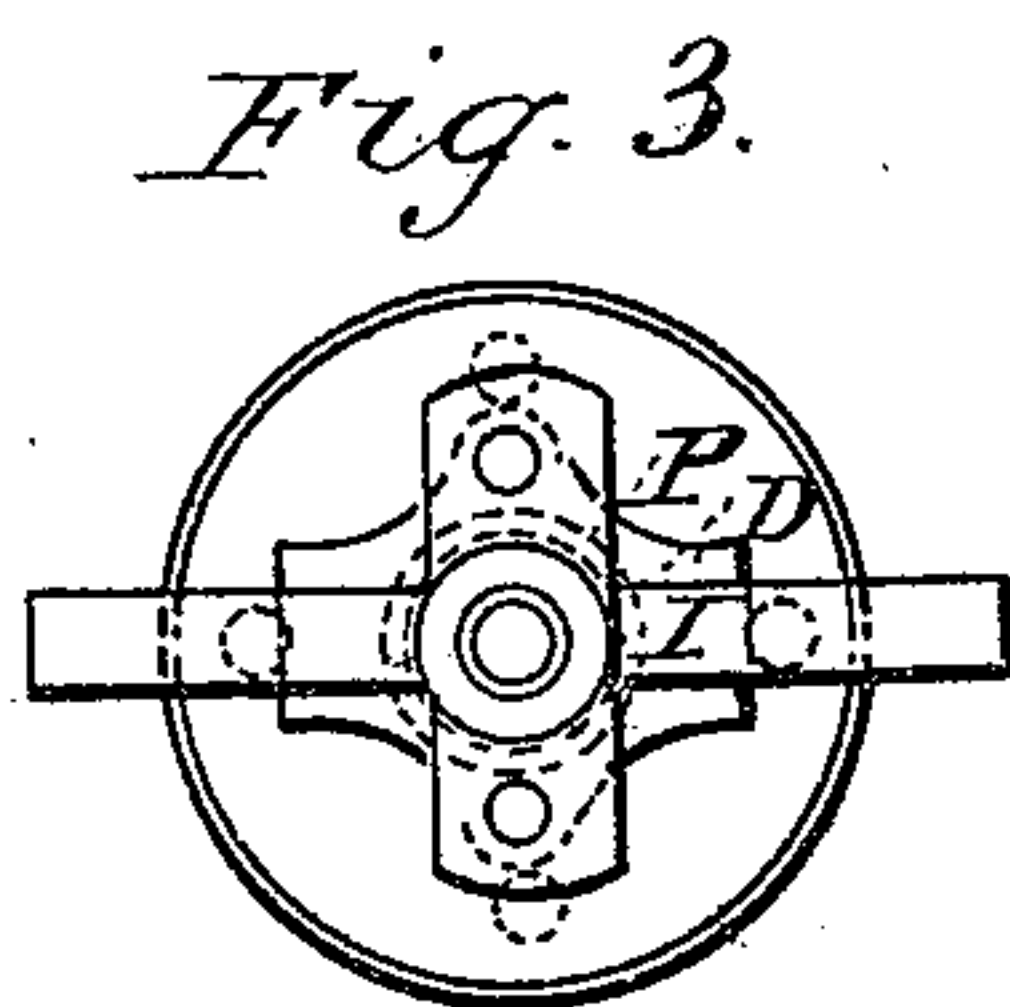
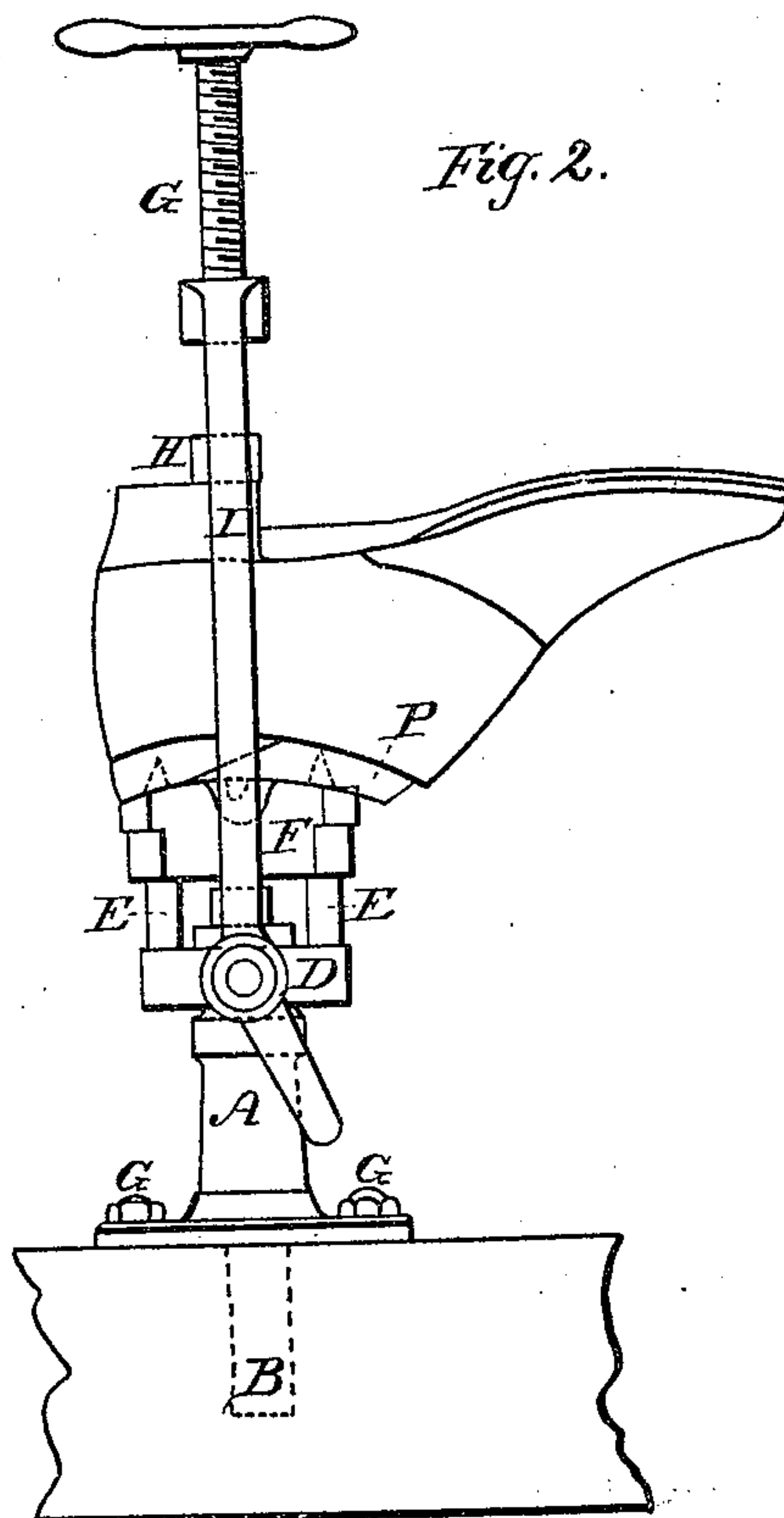
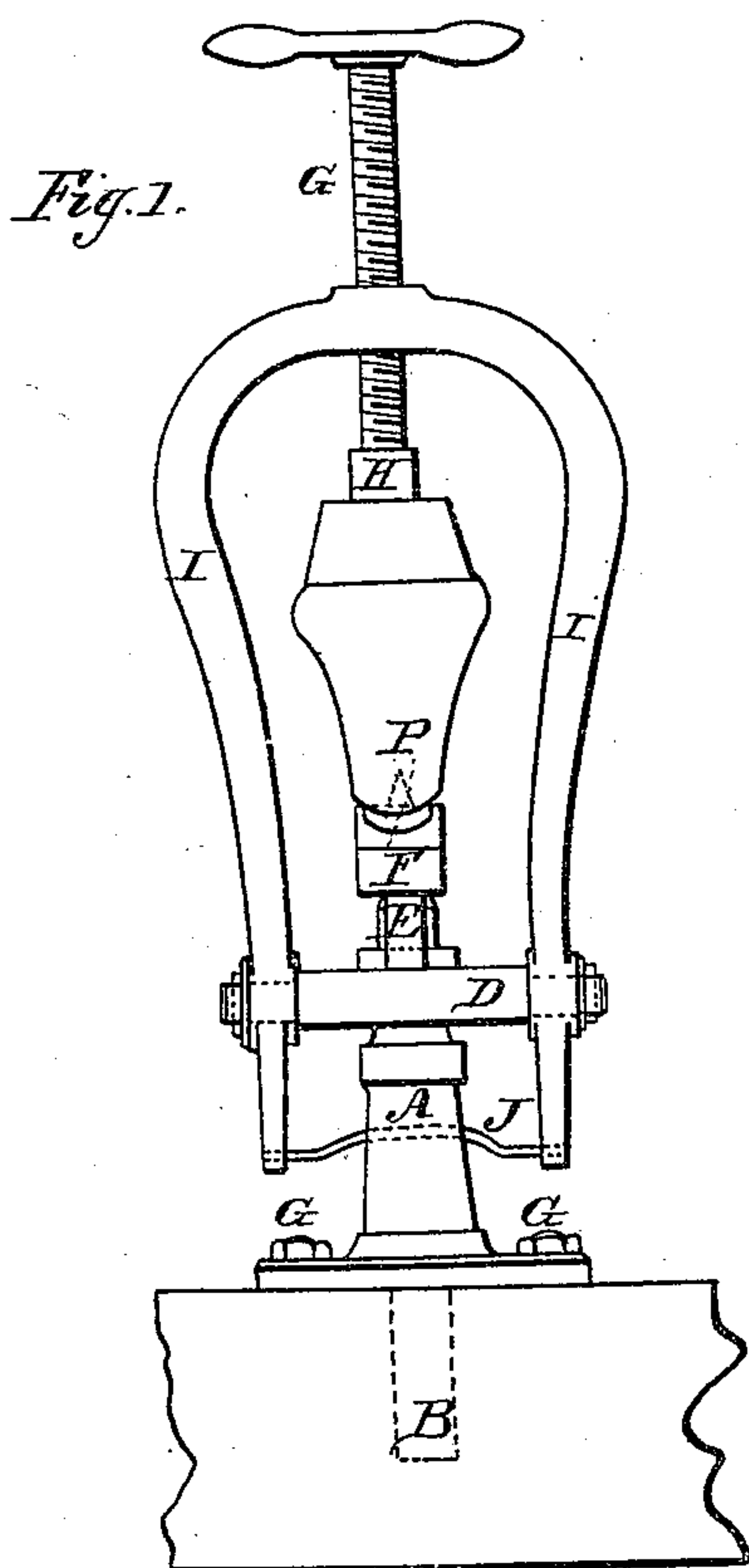


J. P. Molliere.
Boot & Shoe Mach.
N^o 13,951. Patented Dec. 18, 1855.



Witnesses.
L. Esquel
J. Goussier

Inventor.
Molliere.

UNITED STATES PATENT OFFICE.

JEAN PIERRE MOLLIERE, OF LYON, FRANCE.

MACHINE FOR MOUNTING THE UPPERS OF BOOTS AND SHOES ON LASTS.

Specification of Letters Patent No. 13,951, dated December 18, 1855.

To all whom it may concern:

Be it known that I, JEAN PIERRE MOLLIERE, of Lyon, in France, have invented a new and useful Machine for Mounting the
5 Uppers of Boots and Shoes on the Last; 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—

Figure 1, Plate III, is a side view section of the bearing block for holding the last; Fig. 2, an end view section and Fig. 3 a top view of the same. Fig. 4 a section of
15 the hammer used and Fig. 5 views of the last.

The letters of reference of the different parts thereof are sufficiently explained in the following description.

20 To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In order to mount the upper on the last, I employ a bearing block, which is fastened
25 to a bench, and each block is at such distance apart, as to allow the workman all the room he needs. It consists of a turned iron column A, secured to a bench by its shank B and the bolts C. Upon this column, and in a
30 collar, turns freely the piece D, with its neck bearings, and this piece is connected by the small shafts E, to the peg-carrier piece F, upon which the last is mounted by holes made in its top part, in such manner that
35 the heel end thereof shall come nearly flush with one end of the peg-carrier piece. The adjustable gallows I is then brought from its starting position, perpendicularly, over the last, and the thumb screw G, with its
40 tooth clamp H, in which it freely plays, is sent down upon the last. Owing to the position of the last upon the peg-carrier piece one side of the tooth clamp H, which is somewhat narrower than the heel, will always be
45 found to come quite flush with the inner edge of the heel, when it is put on the sole. Now screw hard home the tooth clamp upon the last or the heel top, and it will keep the
50 position, and ample room will be left to al-

low the workman to work freely upon all parts of the sole or the sole and heel, when any work is to be done on this machine.

The arms of the gallows extend below the neck bearings D, to the ends of which are
55 fastened the bent rod J, with the bend on the side toward the heel of the last. The object of this bent rod, the bend of which must be sufficiently large, is to prevent the gallows from falling entirely down, when it
60 is thrown from over the last on the side toward the heel end, when putting on or taking away a last from the block. The hammer R is used for tacking the uppers, while
65 lasting them.

It will be perceived, that the uppers are nowhere exposed to injury from contact with any part of this machine, while free access is gained to every part of the sole and heel on which any work is to be done.
70

The upper is mounted thus: After it has been duly sewed together, it is placed on the last and held in its place by two tacks, front and rear, for the time being; the last is then put upon the bearing block, the skin
75 of the uppers is then stretched over the last in the ordinary way, by pincers, or by any other means commensurate to the object sought, and nailed to the inside sole. The sharp ends of the nails are turned by an
80 iron surface secured to the last, or by the last itself, which may be of iron, and clenched on the inner surface of the inside sole.

What I claim as my invention, and desire
85 to secure by Letters Patent of even date with the French patent of the same invention, is—

The arrangement of the adjustable frame I and thumb screw G, armed with its toothed clamp H, which, pressing vertically upon
90 the inner portion only of the heel, holds the last securely in its position, and gives free access to all the parts thereof, on which any work is to be done by this apparatus, the whole substantially as above described.

J. P. MOLLIERE.

Witnesses:

W. G. SNETHEN,
L. A. MAISCELLE.