(No Model.)

W. COOK.

LAST BLOCK FASTENER.

No. 402,509. Patented Apr. 30, 1889.

Fig. 1.

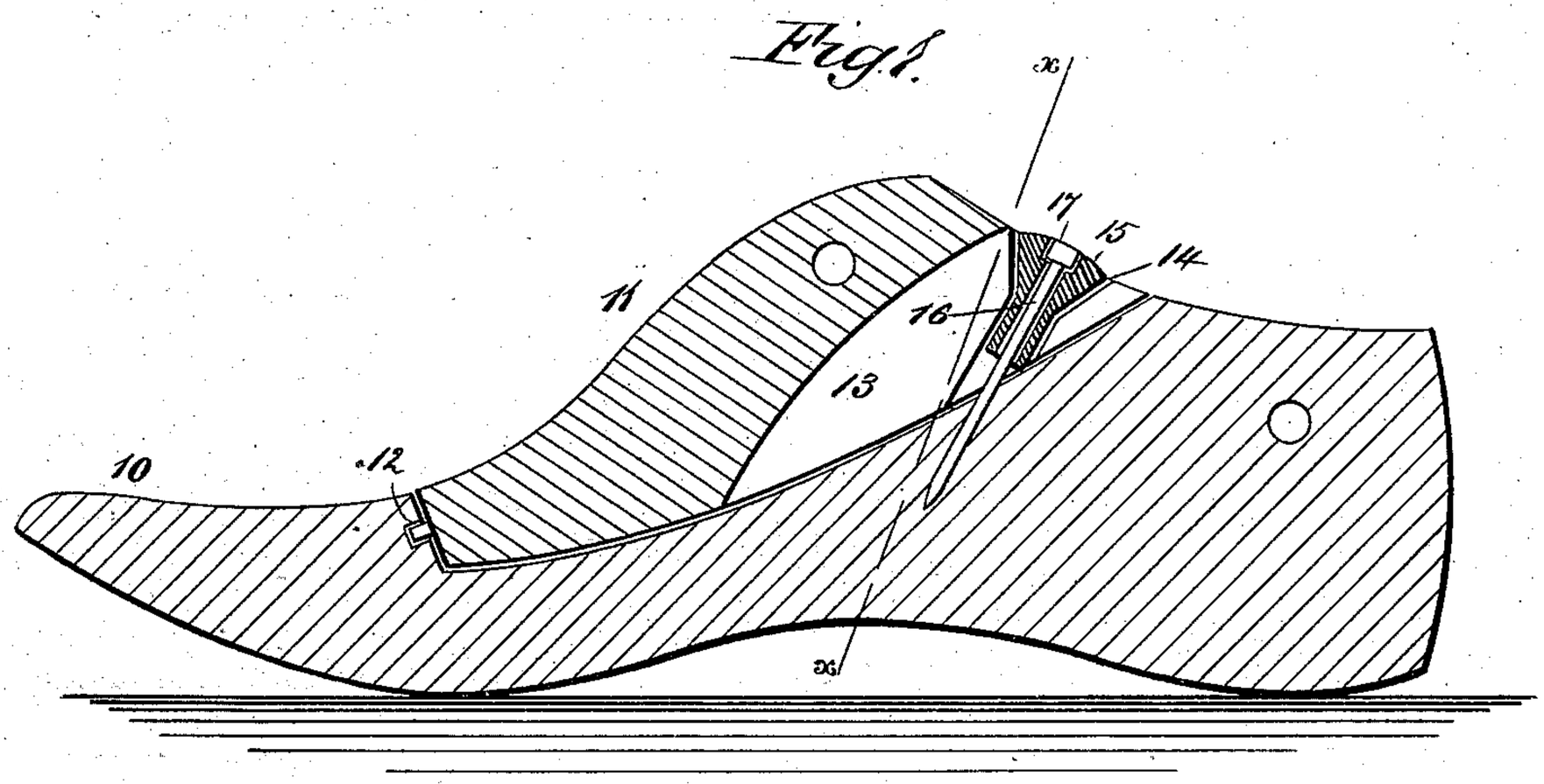


Fig 2

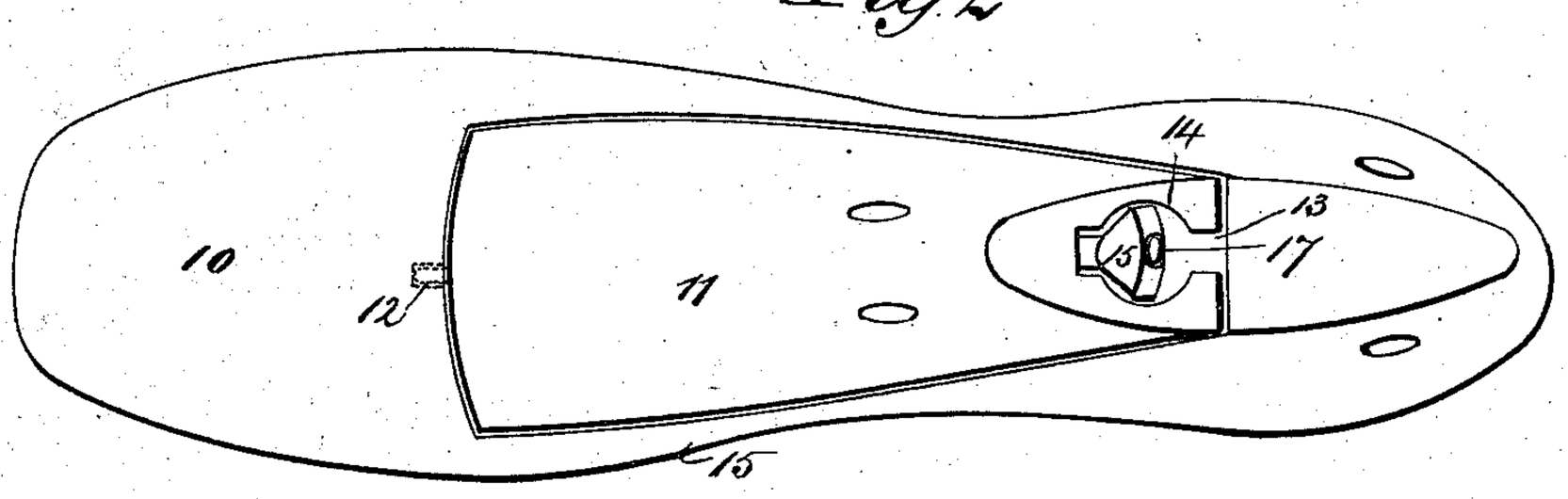
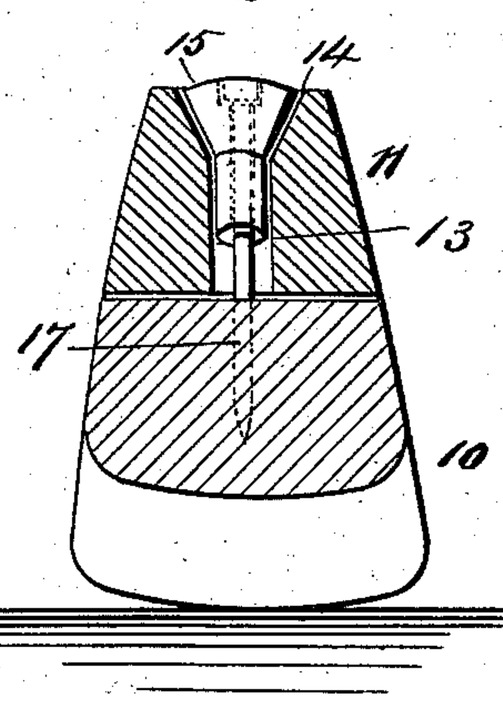


Fig 3



WITNESSES:

F. McArdle.

C. Sedgwick

INVENTOR:

W. Cook

BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM COOK, OF NEW YORK, N. Y., ASSIGNOR OF ONE-FOURTH TO PAUL D. REED, OF SAME PLACE.

LAST-BLOCK FASTENER.

SPECIFICATION forming part of Letters Patent No. 402,509, dated April 30, 1889.

Application filed August 25, 1888. Serial No. 283,760. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM COOK, of the city, county, and State of New York, have invented a new and Improved Last-Block Fastener, of which the following is a full, clear, and exact description.

The present invention is more particularly designed as an improvement in the last-block-fastening device described in United States Patent No. 388,182, granted to me on the 21st day of August, 1887.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a central longitudinal sectional elevation of a last provided with my improved fastening device. Fig. 2 is a plan view thereof, and Fig. 3 is a transverse sectional elevation on line *x x* of Fig. 1.

As shown and described in the patent above referred to, the last-block 11 of the last 10 is preferably formed, as usual, with a pin or projection, 12, that is received in a corresponding recess formed in the body 10 of the last.

The last-block 11 is formed with a longitudinal slot, 13, and at the outer end of the said slot is formed a countersink, 14.

Thus far the last is of the form shown in above-mentioned patent. Instead, however, of employing a screw-fastener having a fixed head, as in this patent, I have devised the fastening device herein shown, which consists, essentially, of the head 15, having a central or approximately central aperture, 16, which is enlarged at the upper end, whereby the said head is adapted to receive an ordinary nail or screw, 17, by means of which it is secured to the last-body, as shown, the enlarged upper end of the aperture 16 forming a countersink for the nail or screw-head. The head 15 is flattened, as shown, so that when turned to the position shown in Fig. 2 it will lie in the countersink 14 transverse to the direction of the longitudinal slot 13, and thus lock the last-block 11 in place. When the head is turned at right angles to the position shown in Fig. 2, it lies wholly within the plane of the longitudinal slot 13 and allows the block 11 to be drawn backward and upward in removing it from the last-body 10.

The improved fastener above described, besides its economical advantages, possesses the practical advantage of being capable of turning independently of the nail 18, whereby the turning of the head is made easy and the nail has but little tendency to become loosened. The lower end of the head 15 rests on the upper face of the body 10, and its length will depend on the height it is desired to have the head project above the said body.

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

1. The herein-described last-block fastener, comprising a shank and a flattened head thereon and axially bored through said shank and head, substantially as described.

2. The combination, with a last-body, of a last-block having a longitudinal slot and a countersink at the outer end of said slot, and the flattened head held to the last-body by a fixed nail or screw, the said head being adapted to be turned independently of the nail or screw to bring it wholly within the longitudinal slot of the last-block, or transversely thereto, substantially as described.

WILLIAM COOK.

Witnesses:
J. L. MCAULIFFE,
C. SEDGWICK.