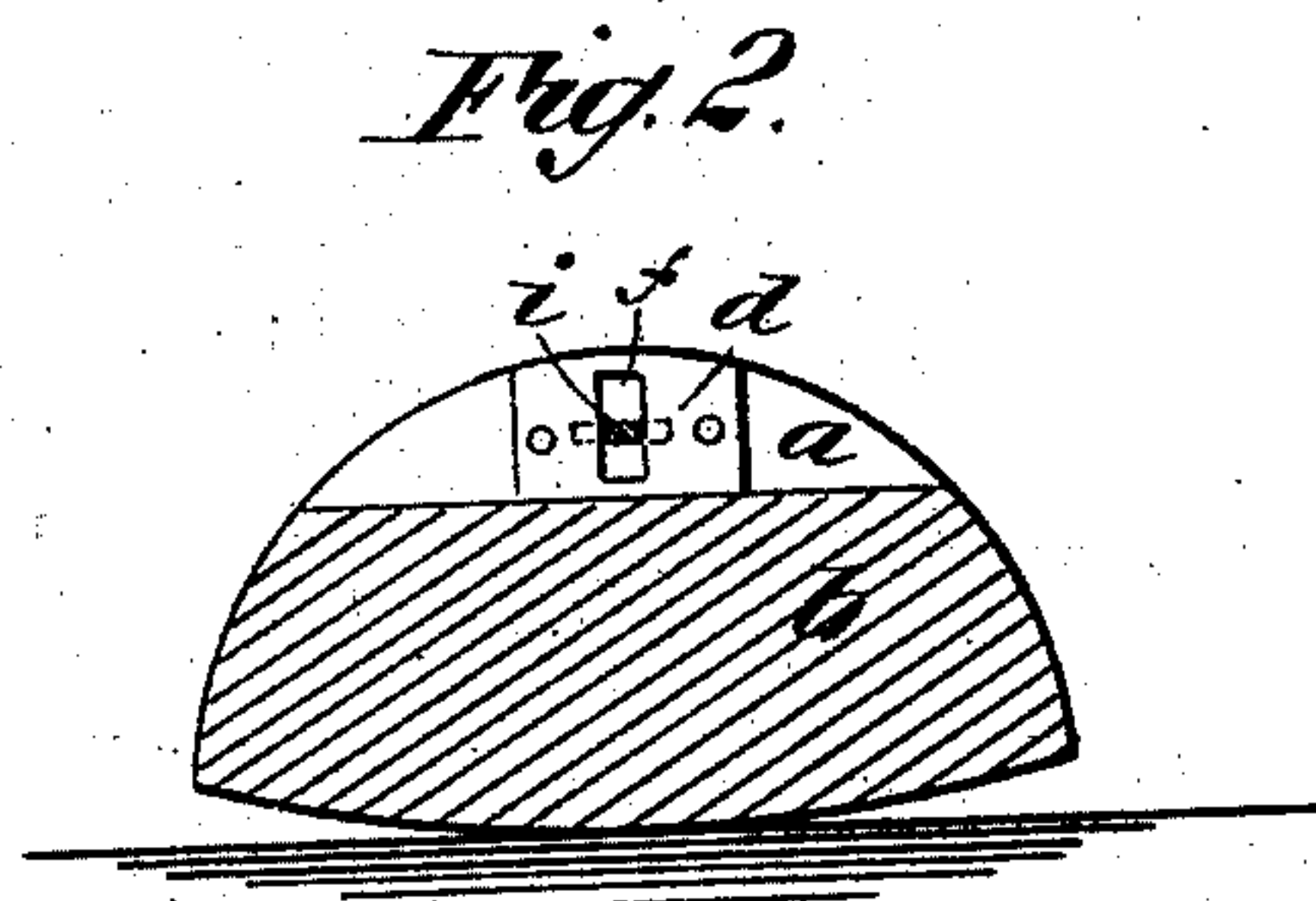
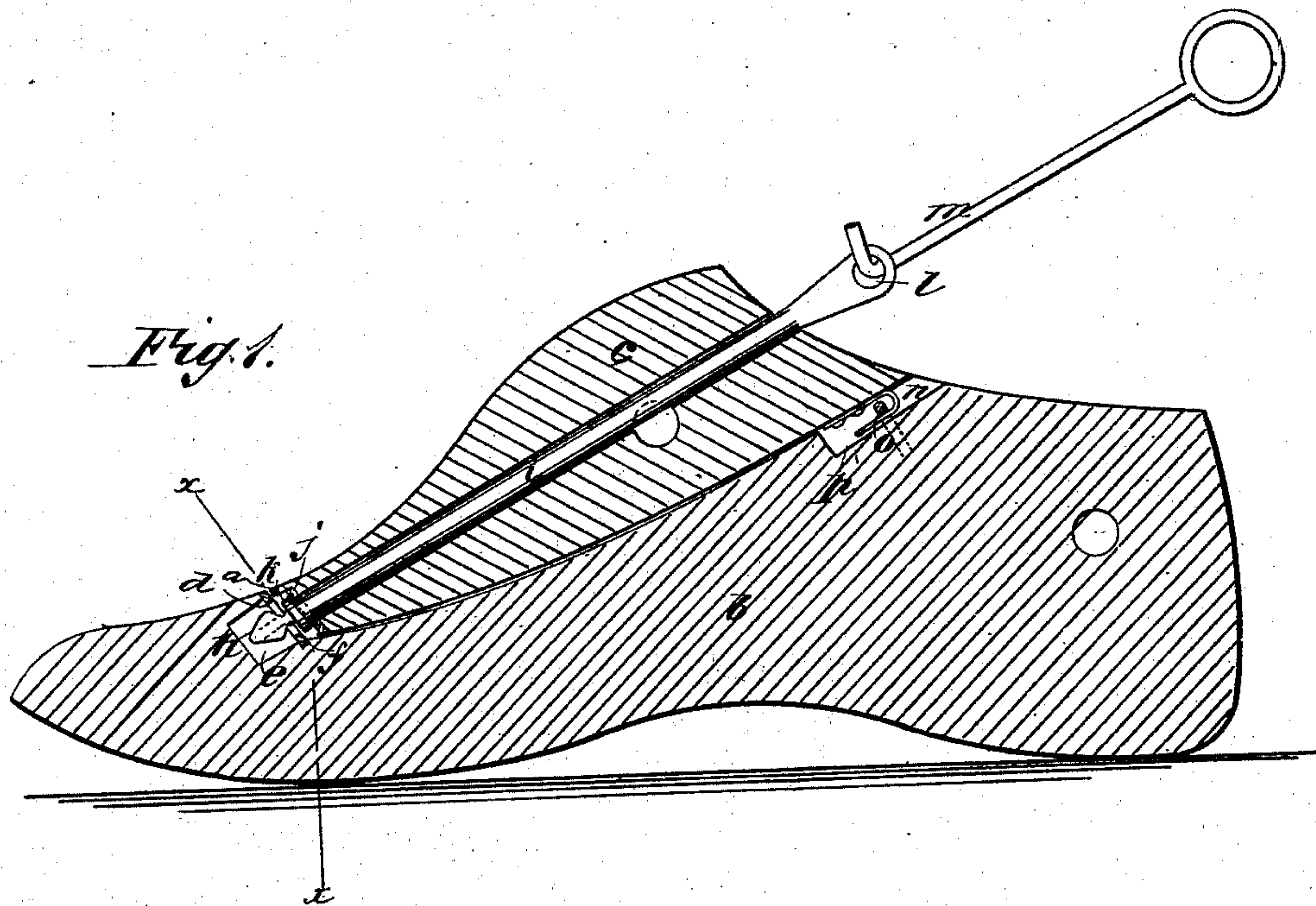


(Model.)

R. BUTTERFIELD.
LAST BLOCK FASTENER.

No. 270,013.

Patented Jan. 2, 1883.



WITNESSES:
Francis McArthur.
Chas. Lurcott

INVENTOR:
R. Butterfield
BY *Mum & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

RODNEY BUTTERFIELD, OF CHICAGO, ILLINOIS.

LAST-BLOCK FASTENER.

SPECIFICATION forming part of Letters Patent No. 270,013, dated January 2, 1883.

Application filed June 15, 1882. (Model.)

To all whom it may concern:

Be it known that I, RODNEY BUTTERFIELD, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Last-Block Fasteners, of which the following is a full, clear, and exact description.

This invention consists of a rod with a T-head, located in the last-block, so as to enter a slotted locking-plate on the shoulder of the ledge of the last against which the block bears, and fitted in the block to be turned by the last-hook, for which an eye is provided in the upper end of the rod, together with a hook at the upper end of the block, which engages a staple in the last when the block is shoved down to its place on the last, making substantial fastenings to the block, easy to manipulate and not liable to get out of order, all as hereinafter fully described.

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

Figure 1 is a longitudinal sectional elevation of a last and block with my improved fastenings; and Fig. 2 is a transverse section of the last and the rod for fastening the block there-to, the section being taken on the line xx of Fig. 1.

At the shoulder a , at the bottom of the score in the last b for the instep-block c , I arrange a locking-plate, d , over the recess e , with a slotted hole, f , for the pointed T-head h of a rod, i , which I arrange in a hole bored longitudinally through block c , and secured by a plate, j , and collar k or other approved means against moving lengthwise in said hole. In the upper end of rod i , which projects a little above the upper end of block c , I arrange an eye, l , whereby the rod may be readily

shifted a quarter-turn on its axis to lock it with plate d and unlock it therefrom.

Together with the said fastening above described for the lower end of the last-block, I propose to employ the hook n on the under side of the upper end of block c , and the staple o , attached to the last in the recess p , so arranged that the hook will engage with the staple when head h enters slot f , and secure the upper end of the block against lifting or shifting laterally on the last.

These devices are simple and reliable and easy to operate, as will readily appear by inspection of the drawings.

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

1. The combination, with the last b , having recess e , covered by the slotted locking-plate d , of the rod i , passing longitudinally through the last-block c , and having a T-head, h , projecting beyond the forward end of said block, substantially as described, and for the purpose set forth.

2. The combination, with the last b , having the recess e , covered by slotted locking-plate d , and the eye or staple o , arranged in a recess, p , in said last, of the T-headed and eye-ended locking-bolt i , passing longitudinally through the last-block c , which is provided with the hook n on the lower surface of its upper end, substantially as described, and for the purpose set forth.

3. The combination, with the last b and last-block c , of the T-headed and eye-ended locking-bolt i and locking-plate d , also hook n and staple o , substantially as described.

R. BUTTERFIELD.

Witnesses:

THOMAS MCNEISH,
W. W. KING.