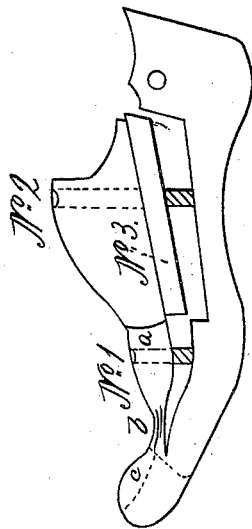


J. Whistler,
Shoe Last,
Nº 6,381. Patented Apr. 24, 1849.



UNITED STATES PATENT OFFICE.

JOHN WHISTLER, OF CARLISLE, PENNSYLVANIA.

SHOE-LAST.

Specification of Letters Patent No. 6,381, dated April 24, 1849.

To all whom it may concern:

Be it known that I, JOHN WHISTLER, of Carlisle, in the county of Cumberland and State of Pennsylvania, have invented a new
5 and Improved Self-Directing Last for Shoemakers to Save Labor and Give Beauty to the Shoe.

The nature of my invention consists in two screws turned by a key, a piece of
10 Russia iron extends from the top at *a* of the center of the last to the toe, which is split at *b* and extends under the toe or zinc *c* at the toe. The zinc, at toe can be dispensed with, the object of the zinc is to strengthen
15 the last and make it more durable.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction, and operation; I construct my self directing last, with two screws
20 No. 1 at the top or center of foot or last, and

No. 2 at the top of block, both screws are turned by a key made for that purpose, by turning the key to the left, it will swell the last to any required thickness, No. 3 $\frac{1}{4}$ inch block counter sunk commencing near at
25 screw No. 2 and running toward screw No. 1, (is attached to No. 1 by a piece of brass, and No. 1 runs in through the brass with the head of the screw countersunk).

What I claim as my invention and desire
30 to secure by Letters Patent is—

The employment of the extra, screw No. 1, for expanding the uppers over the ball of the foot in the manner and for the purpose herein described and represented.

JOHN WHISTLER.

Witnesses:

GEO. Z. BENTZ,
DANL. I. SMITH.