

(No Model.)

E. N. HIGLEY.
LAST.

No. 249,355.

Patented Nov. 8, 1881.

Fig. 1.

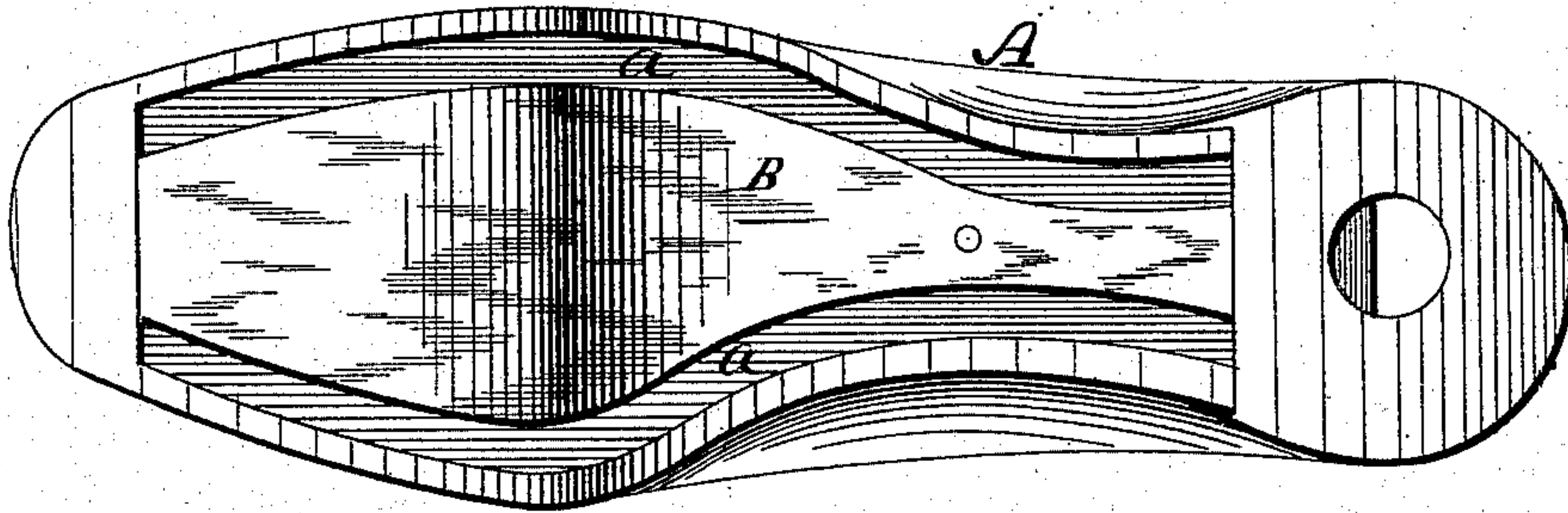


Fig. 2.

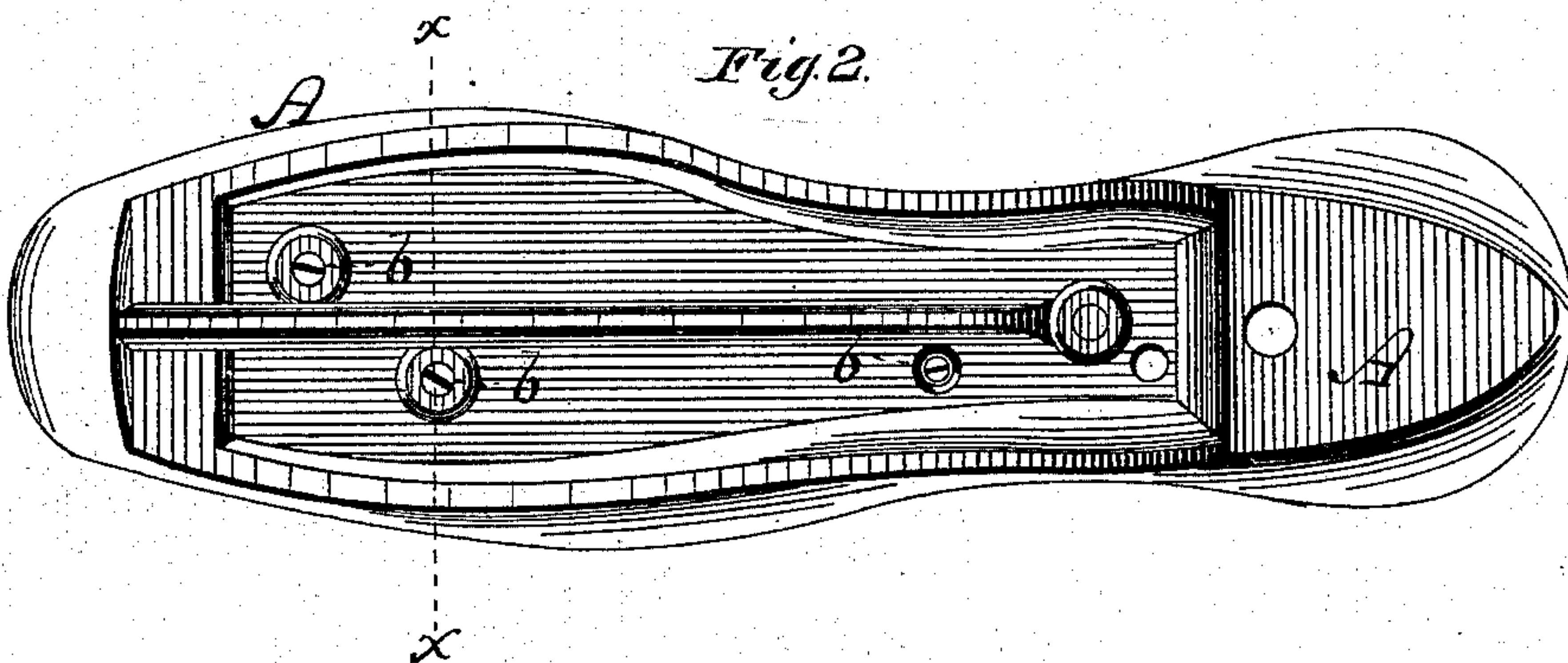
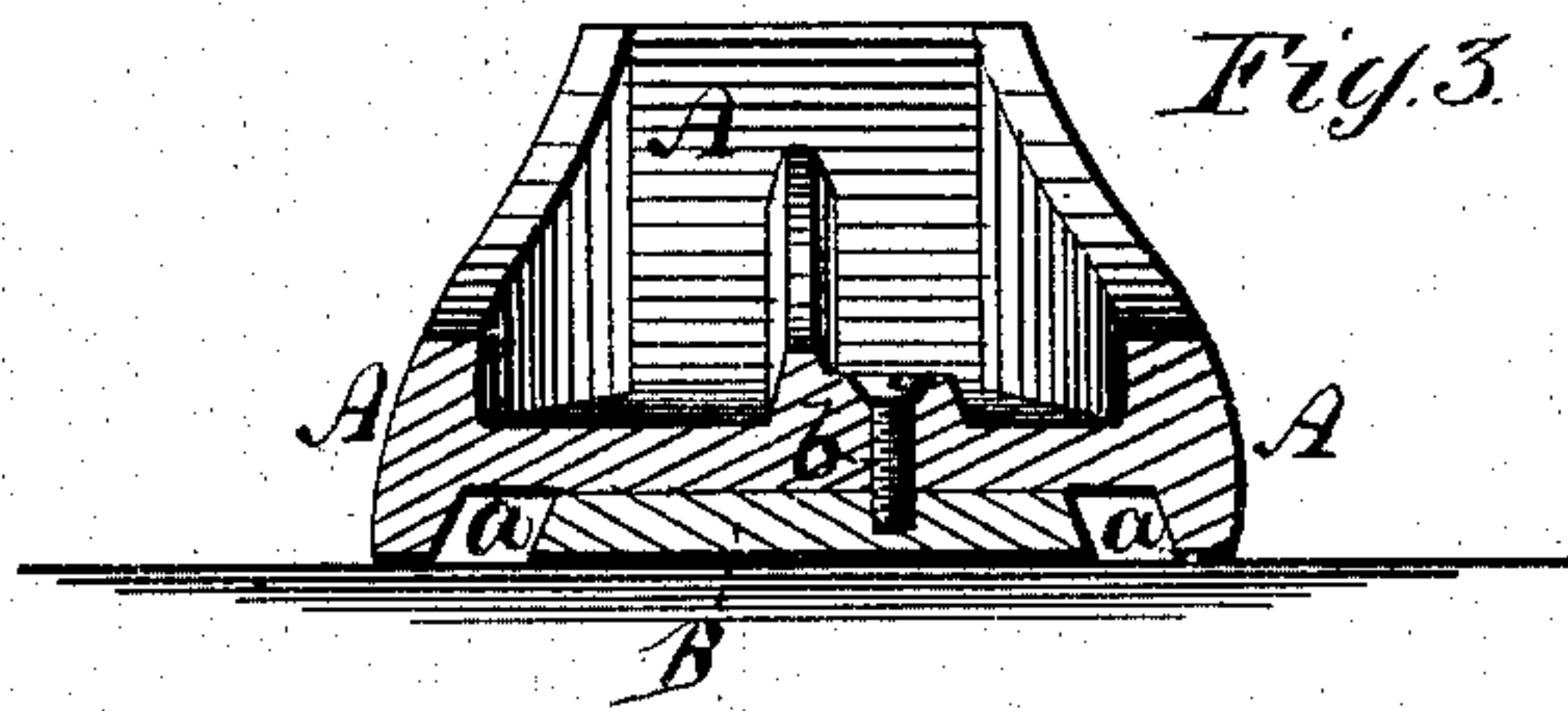


Fig. 3.



WITNESSES

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EBEN N. HIGLEY, OF GREAT FALLS, NEW HAMPSHIRE.

LAST.

SPECIFICATION forming part of Letters Patent No. 249,355, dated November 8, 1881.

Application filed May 7, 1881. (No model.)

To all whom it may concern:

Be it known that I, EBEN N. HIGLEY, of Great Falls, in the county of Strafford and State of New Hampshire, have invented an Improved
5 Last; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification—

Figure 1 being a bottom view of the improved
10 last; Fig. 2, a top view thereof, the instep-block being removed; Fig. 3, a transverse section in a plane indicated by the line *xx*, Fig. 2.

Like letters designate corresponding parts in all of the figures.

15 The body *A* of this last is made of cast-iron or other suitable cast metal.

My invention is an improvement on the patent for cast-metal lasts granted to L. W. Shorey, February 3, 1880, and numbered 224,234,
20 in which the leading feature is open pegging-grooves in the sole, as distinguished from grooves filled with some soft material to drive the pegs into. In that patent the remainder of the sole is of solid metal, except two sockets to
25 contain wood or similar soft substance to drive the insole-tacks into.

I find by casting a sunk recess in the sole, including both pegging-grooves and all the intermediate space, that the molding for casting
30 is simplified and cheapened, not any core being required, as the under-cut is made by the wood, and that the whole last is considerably lightened, thus obviating, in a great measure, the only objection ordinarily made to metallic
35 lasts—namely, their weight.

The space between the pegging-grooves *a a*

is filled with a piece of wood, *B*, or leather-board, or equivalent light and cheap material, the surface coming out flush with the general surface of the sole of the last. This wooden
40 piece or block *B* is secured in place by screws *b b*, driven from the inside of the iron body, through holes cast therein, into the wood. This wooden piece also serves to hold the insole-tacks, and when it is worn too much for
45 further use it is renewed at small expense.

I am aware that the Letters Patent of E. T. Green, dated October 30, 1866, and numbered 59,209, show a partially metallic last with a wooden bottom sunk into a recess in the sole;
50 but the wooden piece in that patent fills the entire cavity of the bottom, and has no function in subserving the formation and use of open pegging-grooves, as in the present invention; and I confine the scope of my invention
55 to the wooden filling-block, in connection with open pegging-grooves at its edges. Therefore,

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

In a last having a cast-metal body, a wooden
60 bottom piece, *B*, fitting a depression in the bottom of the metal body, but leaving open pegging-grooves *a a* at its sides, of the proper form, substantially as and for the purpose herein specified.
65

The foregoing specification signed by me this 28th day of April, 1881.

EBEN N. HIGLEY.

Witnesses:

J. S. BROWN,
H. A. HALL.