

E. M. HOLBROOK.
 SHOE LAST.
 APPLICATION FILED SEPT. 6, 1910.

999,788.

Patented Aug. 8, 1911.

FIG. 1

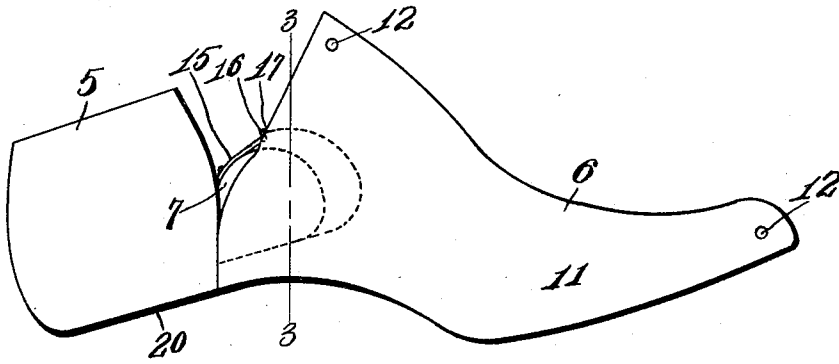


FIG. 2

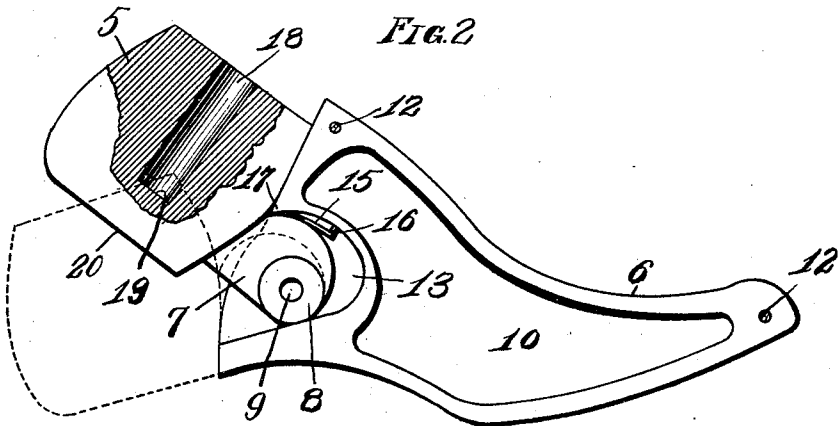


FIG. 3

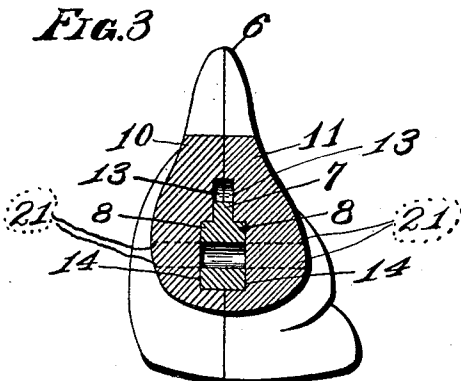
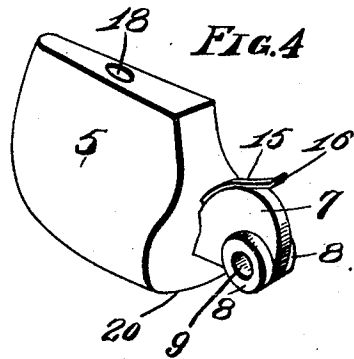


FIG. 4



Witnesses
 W. B. Stein.
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 Edward M. Holbrook
 by Alfred A. Eicks Atty.

UNITED STATES PATENT OFFICE.

EDWARD M. HOLBROOK, OF ST. LOUIS, MISSOURI.

SHOE-LAST.

999,788.

Specification of Letters Patent.

Patented Aug. 8, 1911.

Application filed September 6, 1910. Serial No. 580,737.

To all whom it may concern:

Be it known that I, EDWARD M. HOLBROOK, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Shoe-Lasts, of which the following is a specification.

This invention relates to improvements in shoe lasts, and has for its object a heel section provided with an integral hinge member and a foot section provided with a recess for the reception of the hinge member, each of the sections preferably constructed of metal and a locking device whereby both sections are held in an extended position.

Figure 1 is a side elevation of my improved shoe last. Fig. 2 is a side elevation with a part of the heel broken away and in section, and with one half of the foot section removed. Fig. 3 is a cross sectional view taken on the line 3—3 of Fig. 1. Fig. 4 is a detail perspective view of the heel section showing the hinge member which forms a part thereof.

In the construction of my invention I provide a last composed of a heel section 5 and a foot section 6. The heel section 5 is provided with an integral hinge member 7, the same being provided with a pair of projecting lugs 8 provided with a central perforation 9 through which a pin may be inserted if so desired in order to additionally retain the same in pivotal contact with the foot section.

The foot section 6 is preferably composed of two members 10 and 11 and divided approximately central, and the same are held together by the pins 12; each of the members 10 and 11 are provided with corresponding cavities 13 in which the hinge member 7 is seated and each of the cavities are provided with a circular recess 14 of a size sufficient to accommodate the insertion of the lugs 8 formed on the hinge member 7. By means of the lugs and the recess 14 the heel section 5 is held in proper relation with the foot section 6 and the same is permitted to assume the tilted position as shown in Fig. 2.

In order to retain the last in its extended and normal position as shown in Fig. 1, I provide a locking device which consists of a spring 15, its one end rigidly secured to the upper edge of the hinge member 7, the opposite end of said spring being suitably bent to form a projection 16. This projec-

tion contacts with the edge 17 of the foot member holding both members of the last rigidly.

The operator when desiring to tilt the last in the position as shown in Fig. 2, depresses the spring 15 permitting the projection 16 thereof to pass into the cavity 13 formed in the foot section; it then assumes the position as shown in Fig. 2.

The heel section is provided with a bore 18 in which the end of the supporting post is admitted for supporting the last in its operative position. The lasts being of various sizes and depths, the bore 18 in each last is of such depth as to provide an equal thickness of material from the end 19 of the bore to the surface 20 of the heel forming what is termed in the trade as an anvil heel. By this uniform thickness of material the adjustment of the supporting post is dispensed with, as the operating surface of each last is always in proper alinement with the operating parts of the shoe machinery.

I may if desired construct the foot section of the last of wood, and of one piece. In this event the cavity is formed by gouging out the material, and the lugs 8 of the hinge member are removed, and a pin inserted through the foot member and opening 9 of the hinge as indicated by dotted lines 21 in Fig. 3. The essential feature of my invention however, is the construction of a metallic last made of light and durable material, the heel section provided with an integral hinge and arranged to be substituted for the present wood last now used, as metal will retain its proper size and shape while wood varies according to the change of climate, the same swelling at certain periods making the shoes of un-uniform sizes.

Having thus fully described my invention, what I claim as new and desire to have secured to me by the grant of Letters Patent, is:

1. A last comprising a light, durable, metallic heel section, a foot section, a hinge member formed integral with the heel section and hingedly connected to the foot section, lugs located on the hinge member for retaining the heel section against the foot section and a locking means for supporting the heel and foot sections in their normal extended position, substantially as specified.

2. A last comprising a heel section, a two part foot section, each constructed of light,

5 durable metal, a hinge member formed integral with the heel section and provided with lugs, the foot section constructed in halves and provided with cavities for receiving the lugged hinge member, and a spring locking device carried by the hinge member for retaining the last in its normal extended position, substantially as specified.

10 3. A last comprising a heel section, a foot section, a hinge member formed integral with the heel section, a lug formed on each side and near the end of the hinge section, the foot section composed of halves held together by pins each half provided with a cavity for the reception of the lug and of the hinge member, said heel section provided with a post bore, and a spring lock carried by the hinge member for retaining the last in its normal extended position.

4. A last composed of metal sections, a hinge member formed integral with one of said sections and arranged to be hingedly connected with the other section, lugs on the hinge member and cavities in the section for connecting the sections in hinged position and a leaf spring locking device, whereby the sections comprising the last are held in their normal extended position so as to retain the extended sections in rigid position, substantially as specified.

In testimony whereof, I have signed my name to this specification, in presence of two subscribing witnesses.

EDWARD M. HOLBROOK.

Witnesses:

ALFRED A. EICKS,
WALTER C. STEIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."