No. 821,049. PATENTED MAY 22, 1906.

E. R. MASON.

SHOE HORN.

APPLICATION FILED JUNE 10, 1905.

Fig. 1.

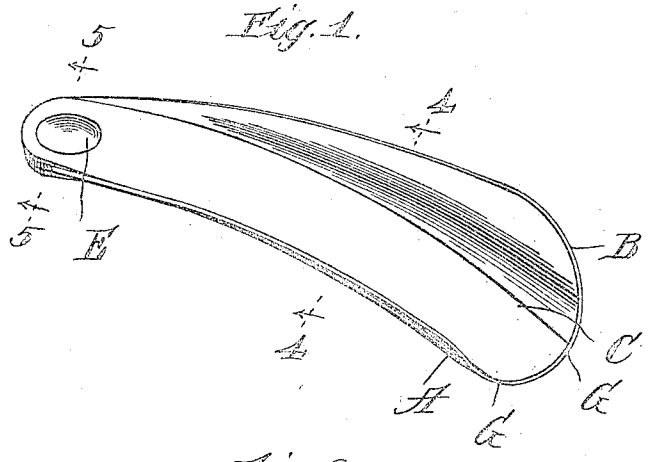


Fig. 2.

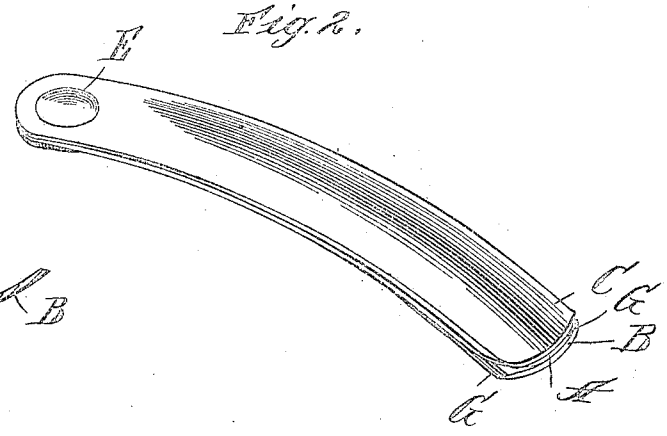


Fig. 4.

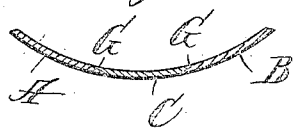


Fig. 5.

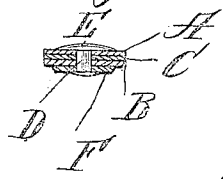
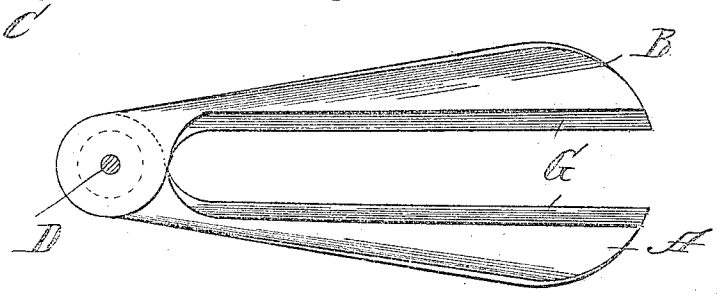


Fig. 3.



Witnesses.

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SHOE-HORN.

No. 821,049. Specification of Letters Patent. Patented May 22, 1906.

Application filed June 10, 1905. Serial No. 264,572.

To all whom it may concern:

Be it known that I, EDWARD R. MASON, a citizen of the United States, residing at Chicago, in the county of Cook, State of Illinois, have invented a new and useful Shoe-Horn, of which the following is a specification.

This invention relates to shoe-horns.

The object of the invention is to provide a shoe-horn which is simple in construction and economical in manufacture and wherein the horn is collapsible or foldable, so as to be conveniently carried in the pocket or in a pocket case.

Other objects of the invention will appear more fully hereinafter.

The invention consists substantially in the construction, combination, location, and relative arrangement of parts, all as will be more fully hereinafter set forth as shown in the accompanying drawings, and finally pointed out in the appended claims.

Referring to the accompanying drawings and to the various views and reference-signs appearing thereon, Figure 1 is a view in perspective of a shoe-horn embodying the principles of my invention, the horn being distended into position for use. Fig. 2 is a similar view with the parts in collapsed or folded position. Fig. 3 is a top plan view with the central part removed and the side parts in distended or separated position. Fig. 4 is a transverse section on the line 4 4, Fig. 1. Fig. 5 is a transverse section on the line 5 5, Fig. 1.

The same part is designated by the same reference-sign wherever it occurs throughout the several views.

In carrying out my invention I propose to employ a plurality of parts all pivoted or hinged together on a common axis and capable of being separated or spread apart into fan shape when required for use and collapsed or folded upon themselves when not required for use, so as to be conveniently carried in the pocket or in a pocket-case.

It is obvious that these general objects may be carried into effect in many specifically different ways. While, therefore, I have shown and will now describe one construction embodying my invention and the best form in which I at present contemplate carrying my invention into practical operation, I do not desire to be restricted or limited to the specific form shown and described.

In the particular form shown I employ three parts, (designated, respectively, by reference-signs A, B, and C,) the parts A and B constituting the outer or side parts or members, while the part C forms the inner or central part or member. These several parts are hinged or pivoted together at one end upon a common pivot-stud D, so as to rock or swing thereon and relative to each other. Each of the parts A, B, and C is slightly curved or bent in the direction of the length thereof and also is somewhat curved or concaved transversely, as clearly shown, whereby when the parts are properly separated or distended the transverse curvature form substantial continuations of each other, as seen in Fig. 4, thereby producing the proper transverse contour to adapt the device for use as a shoe-horn, while the longitudinal curvature gives to the device a convenient shape to be grasped and handled as a shoe-horn. By providing the pivot-stud D with a head E at one end or on one side of the horn and with a washer or nut F on the other end or side of the horn not only are the members A, B, and C suitably and efficiently braced and strengthened at their point of pivotal connection with each other, but there is also afforded a convenient grasp for holding the horn when in use.

In order to avoid the formation of ridges along the edges of the center or inner member of the horn where such edges overlap the outer or side members when the horn is distended for use, I propose to correspondingly bevel the side edges of the center member C and the adjacent or proximate edges of the outer or side members A and B, as clearly indicated at G, thereby, in effect, forming a seat or recess in the juxtaposed edges of the outer members of the horn to receive the edges of the inner member, (see Fig. 4,) thereby enabling the inner or center member to lie practically flush with the outer members, and hence avoiding the formation of ridges when the members are spread out into fan shape for use as a horn.

It is obvious that the members may be made of any suitable material. In practice I prefer to employ suitable light and spring-metal material, such as steel, aluminium, or the like.

When the device is not required for use, the parts may be collapsed or folded upon themselves, as clearly indicated in Fig. 2, and thus capable of being readily carried in the pocket or in a pocket-case, and when required for use the parts are spread out or apart in fan

shape, as seen in Figs. 1 and 4, the beveled seats in the inner edges of the outer members receiving the correspondingly-beveled outer edges of the center member.

As above indicated, I do not desire to be limited or restricted with reference to the number of members employed, as the principles of my invention may be carried out in many specifically different ways; but,

Having now set forth the object and nature of my invention and a construction embodying the principles thereof, what I claim as new and useful and of my own invention, and desire to secure by Letters Patent, is—

1. A shoe-horn composed of a plurality of members hinged or pivoted together on a common axis to swing or fold laterally or sidewise upon or away from each other.

2. A shoe-horn comprising a plurality of members and a rivet-stud upon which said members are pivotally mounted at one end whereby said members may be spread out into fan shape for use or folded or collapsed upon each other.

3. A shoe-horn comprising a plurality of members hinged or pivoted together at one end to swing laterally or sidewise upon or away from each other, each member being curved both longitudinally and transversely.

4. A shoe-horn comprising members hinged or pivoted together at one end upon a common stud, said stud having a head at one end and a washer at the other.

5. A shoe-horn comprising members hinged or pivoted together at one end upon a common stud, the outer members having a seat or recess in their juxtaposed edges to receive the edges of the inner member.

6. A shoe-horn comprising a plurality of members hinged or pivoted together on a common pivot-stud, the outer edges of the center member and the proximate edges of the outer members being correspondingly beveled.

In witness whereof I have hereunto set my hand, this 18th day of April, in the presence of the subscribing witnesses.

EDWARD R. MASON.

Witnesses:
J. B. CHASE,
F. T. FINNEY.