No. 734,635. PATENTED JULY 28, 1903.

T. TRIBE.

HINGE SHOE.

APPLICATION FILED AUG. 2, 1902.

NO MODEL. 2 SHEETS—SHEET 1.

FIG. 1.

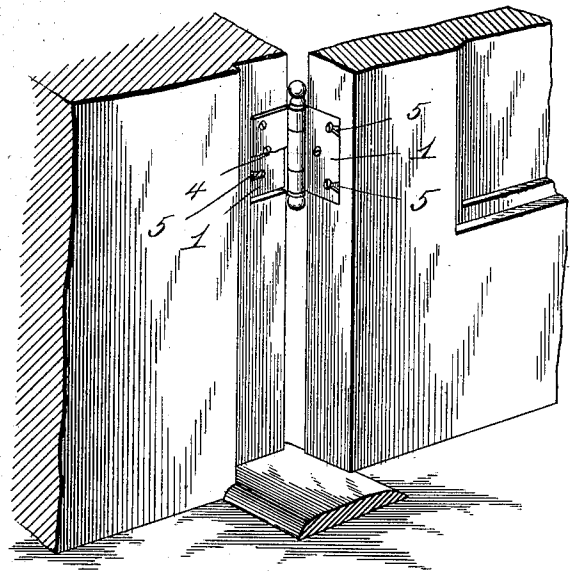
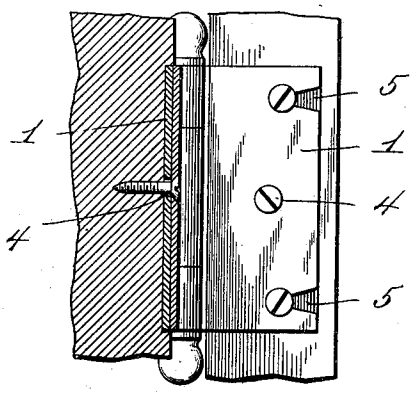



FIG. 2.




Witnesses

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NO MODEL. 2 SHEETS—SHEET 2.

FIG. 3.

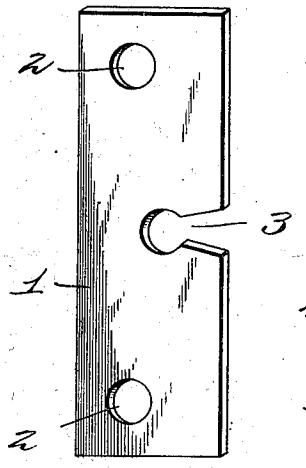



FIG. 4.

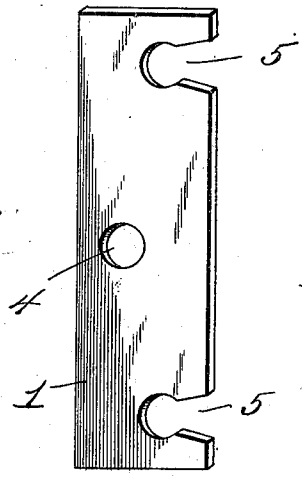



FIG. 5.

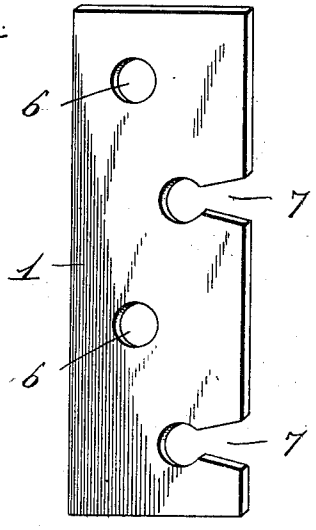



FIG. 6.

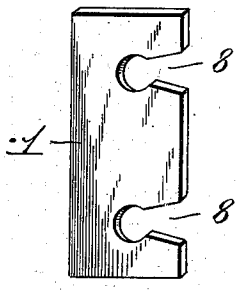



FIG. 7.

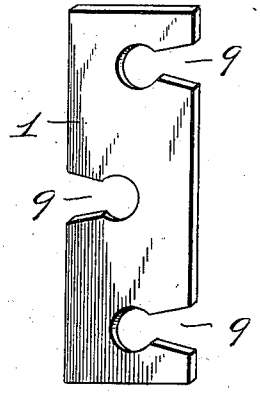
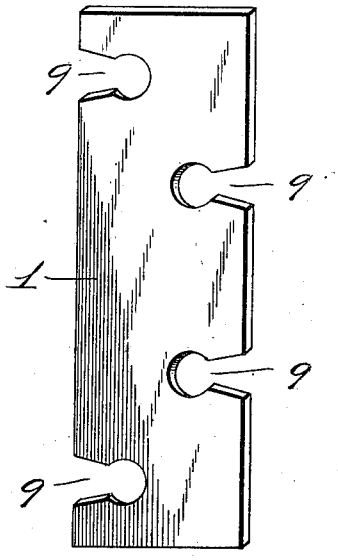



FIG. 8.




Witnesses

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No. 734,635. Patented July 28, 1903.

# UNITED STATES PATENT OFFICE.

THOMAS TRIBE, OF COLORADO SPRINGS, COLORADO.

## HINGE-SHOE.

SPECIFICATION forming part of Letters Patent No. 734,635, dated July 28, 1903.

Application filed August 2, 1902. Serial No. 118,173. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS TRIBE, a citizen of the United States, residing at Colorado Springs, in the county of El Paso and State of Colorado, have invented certain new and useful Improvements in Hinge-Shoes, of which the following is a specification.

This invention relates to a hinge-shoe designed to properly adjust bad-fitting doors in the event of sagging or shrinking or other irregularities due to either a defect in the framing, the door, or other device or the hinge.

It is well known that considerable difficulty exists in rectifying irregularities in hinged doors, gates, and the like in view of the tendency of a door or gate to sag or shrink by reason of an additional strain imposed on either one or two or more hinges used and to the consequent annoyance in opening and shutting a door or gate. It has generally been customary to reset the hinges and increase the depth of the seats or mortises for one or more of the hinges. The present shoe has been devised for ready application to a door or gate hinge to overcome irregularities in the support of the door or gate without requiring the hinge to be entirely disconnected or the seat or mortise to be increased in depth or plugged up to overcome an irregularity in the door-frame or gate-post; and with this end in view the invention primarily consists in a shoe of such shape as to correspond with the leaf of a hinge against which it is applied, having one or more openings therein and one or more keyhole-slots, the openings and slots depending in number entirely upon the number of screws used in securing a hinge leaf or butt, and the location of the said slots in one or both side edge portions, which is also contemplated, will be regulated by the location of the screws passing through the hinge-leaf.

The invention also consists in the details of construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of a portion of a door and its frame, showing a hinge broken away in part and illustrating the improved shoe applied to the leaves thereof in reverse positions. Fig. 2 is a sectional elevation of a part of a door-frame and door and a hinge connecting the said parts with the improved shoes applied thereto, one leaf of the hinge and one shoe being shown in section. Figs. 3, 4, 5, 6, 7, and 8 are detail perspective views of different forms of the improved shoe.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The improved shoe consists, as shown, of a rectangular strip 1, of suitable material, such as pasteboard, metal, wood, or a composition of different materials. As the ordinary hinge-leaf and the seat or mortise formed to receive the same is of rectangular shape in a majority of hinged structures, the shoe has a similar contour; but it will be understood that to accommodate leaves having different configurations the shoes may be changed in shape at will. The shoe shown by Fig. 3 is formed with two circular openings 2 and a keyhole-slot 3 at an intermediate point opening out through one side edge. The shoe shown by Fig. 4 has a single centrally-located circular opening 4 and two keyhole-slots 5, opening out on one side edge near the ends of the shoe. The shoe shown by Fig. 5 has two circular openings 6, arranged in alternate relation to two keyhole-slots 7, opening out through one side edge of the body. In Fig. 6 the shoe is formed solely with two keyhole-slots 8, opening out at one side edge thereof adjacent to the ends of the same and devoid of the circular openings in the shoes shown by Figs. 3, 4, and 5. Figs. 7 and 8 also show shoes having keyhole-slots 9, opening out through both side edges thereof, the shoe illustrated by Fig. 7 having a slot in one edge at the center and two slots in the opposite edge near the end, and the shoe illustrated by Fig. 8 has two slots on opposite sides of the center of one edge and two slots in the opposite edge near the ends of the same. This variation of the slots and openings in the shoes may be continued indefinitely to accommodate screws having different locations in hinge-leaves, and it is intended to be understood that the shoe may have one or more keyhole-slots opening out through the same side edge, one or more keyhole-slots in one edge and any num-

ber of the same in the opposite edge, or the improved shoe may be provided with one or more openings therethrough and one or more slots opening out through one side edge. It is also proposed to form the shoe of any thickness required, and in some instances to compensate for a maximum space two shoes of similar formation may be conjointly employed in relation to the hinged leaf. As illustrated by Figs. 1 and 2, the improved shoes are shown applied to both hinge-leaves on reverse sides of the latter; but it will be understood that the shoes may be used with both leaves on the same side or only one shoe be used with a single leaf. The number of shoes used in connection with a hinge will of course be determinable by the conditions presented by the irregularities to be overcome, and the function of the slots opening out through either one or both edges is to permit the shoe to be pushed between the hinge-leaf and the door or door-frame without requiring a hinge to be entirely detached, and thereby expedite the application of the improved device without the annoyance incident to the removal of a door or gate to arrive at the result sought.

In the manufacture of the improved shoe it will be made in sizes corresponding to the gages of ordinary hinges and also in different thicknesses, as before indicated.

Having thus fully described the invention, what is claimed as new is—

1. As an improved article of manufacture, a hinge-shoe consisting of a flat body having one or more edge slots.

2. As an improved article of manufacture, a hinge-shoe consisting of a flat body having one or more openings therein and one or more edge slots.

3. As an improved article of manufacture, a hinge-shoe having one or more keyhole edge slots.

4. As an improved article of manufacture, a hinge-shoe having one or more transversely-extending edge slots.

5. As an improved article of manufacture, a hinge-shoe having one or more openings therein and one or more transversely-extending slots.

6. As an improved article of manufacture, a hinge-shoe consisting of a flat body having one or more slots opening outwardly therefrom.

7. As an improved article of manufacture, a hinge-shoe consisting of a flat body having one or more openings therein and one or more slots opening outwardly therefrom and independent of the openings.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS TRIBE.

Witnesses:
EDGAR S. ENSIGN,
WILLIS R. ARMSTRONG.