

H. W. McAFEE.
DISAPPEARING DOOR.
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Patented Oct. 11, 1910.

972,466.

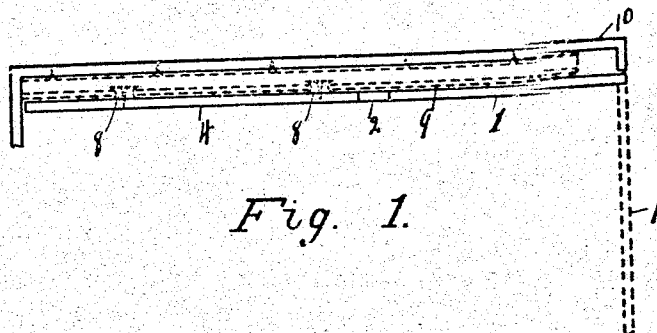


Fig. 1.

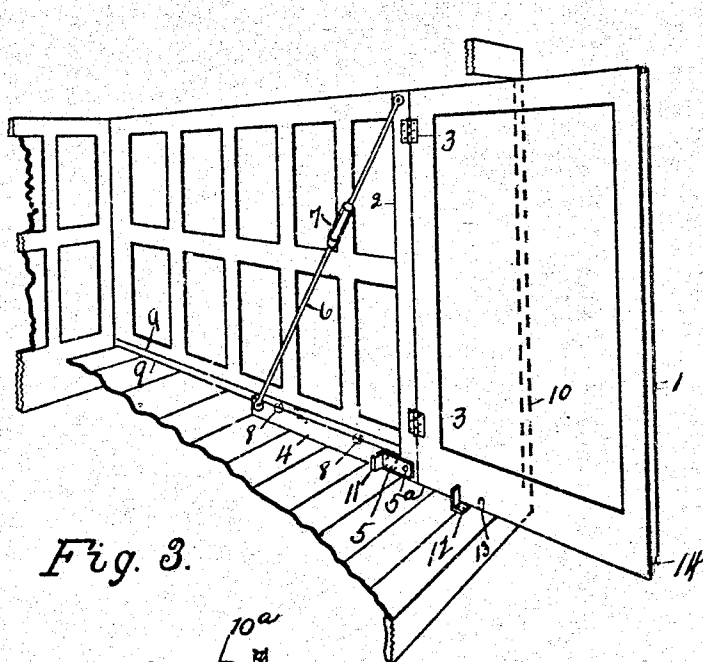


Fig. 3.

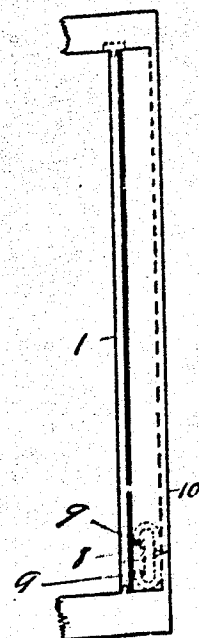


Fig 2.

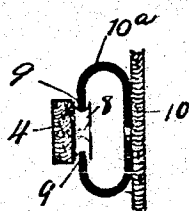


Fig 4

Witness
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UNITED STATES PATENT OFFICE.

HERBERT W. McAFEE, OF COLUMBUS, GEORGIA.

DISAPPEARING DOOR.

972,466.

Specification of Letters Patent.

Patented Oct. 11, 1910.

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To all whom it may concern:

Be it known that I, HERBERT W. McAFEE, a citizen of the United States, residing at Columbus, in the county of Muscogee and State of Georgia, have invented a new and useful Improvement in Disappearing Doors, of which the following is a specification, it being understood that various changes in construction may be made without departing from the spirit of the invention or sacrificing any of the advantages thereof.

My invention relates principally to improvements in disappearing doors for suit cases, but it may be applied to various other kinds of furniture and fixtures, and its objects are to provide a disappearing door that will not become derailed, to prevent defacing the door, to prevent sagging of the door, and to provide a simple door which is easily constructed and applied. I attain these objects by the mechanism shown in the accompanying drawing, in which:

Figure 1— is a top plan view; Fig. 2— is an end elevation; Fig. 3— is a perspective view of a suit case partly broken away, showing how the device is applied; Fig. 4— is an enlarged end view of the track and rollers.

1 represents a door, which is secured to a vertical supporting-member 2, as by hinges 3.

Horizontally secured to some stationary part, or support, as 10, of the suit-case, or other object, is a tube 10^a, having a longitudinally-extending slot 9. Supported by the tube 10^a is a reciprocating member, preferably a horizontally-disposed bar 4, carrying rollers 8, 8, working in the slot 9 and sliding on the upper and lower walls of said slot.

Secured to one end of the bar 4 is a plate 5, having a lateral flange 11. The supporting member 2 of the door is pivotally secured, as at 5^a, to this plate 5. Secured to a stationary part is a stop 12, with which the flange 11 engages in the outward movement of the door, to limit the range of outward travel of the latter. A two-part brace 6, having a turn-buckle 7, is secured at its upper end to the upper portion of the support and, at its lower end, to one end of the bar 4. During this opening and closing the door 1 is prevented from striking the side 10, of the case, by means of a guide pin 13, which is secured in the bottom of the case or fixture, and extends high enough to engage a groove 14, in the bottom of the said door 1.

Having thus described my invention what I claim and desire to secure by Letters Patent is—

The combination with a vertical supporting member, of a door carried thereby, a horizontally-disposed tube having a longitudinally-extending slot, a horizontally-disposed, reciprocating bar carrying rollers working in said slot, an adjustable bracing-member secured to said bar and said vertical supporting-member, a plate secured to said bar and having a lateral flange, said vertical supporting member being pivoted to said plate, and a stationary stop, against which said flange abuts to limit the outward travel of said reciprocating bar.

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Witnesses:

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