

May 15, 1923.

1,455,550

A. RODELL

DOOR STOP

Filed July 14, 1921

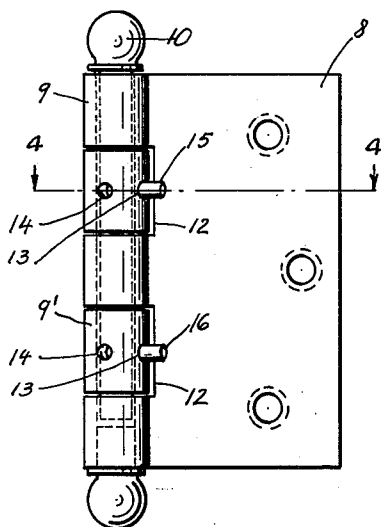


Fig. 3

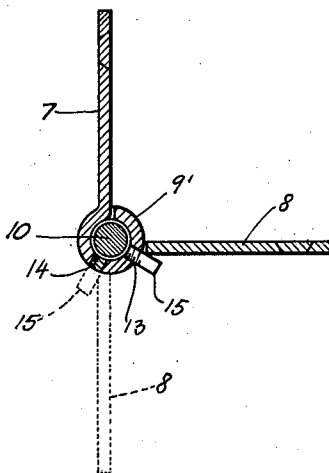


Fig. 4

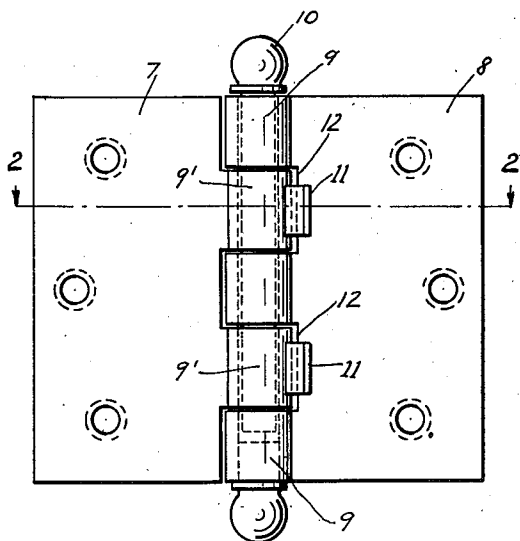


Fig. 1

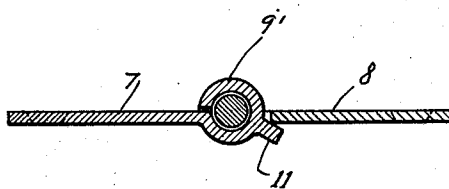


Fig. 2

Witnesses:
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By *Bushnell & Torne*
His Attorney

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1,455,550

UNITED STATES PATENT OFFICE.

ADOLPH RODELL, OF CHICAGO, ILLINOIS.

DOORSTOP.

Application filed July 14, 1921. Serial No. 484,623.

To all whom it may concern:

Be it known that I, ADOLPH RODELL, a citizen of the United States, and a resident of the city of Chicago, county of Cook and State of Illinois, have invented certain new and useful Improvements in Doorstops, of which the following is a specification.

My invention relates to improvements in door stops, and has for its principal object the provision of an improved construction of this character which will be highly efficient in use.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompany drawings forming a part of this specification, and in which,

Fig. 1 is an elevational view of my improved door stop,

Fig. 2 is a sectional detail view taken substantially on line 2—2 of Fig. 1,

Fig. 3 is an elevational view of a modified form of construction,

Fig. 4 is a sectional detail view taken substantially on line 2—2 of Fig. 1,

The preferred form of construction as illustrated in the drawings, comprises a pair of hinge leaves 7 and 8, of any suitable construction or design, provided with the usual knuckles 9 and 9' and pivotally connected together by a pin 10. Integrally formed on knuckle 9' I provide laterally extending lugs 11 which are adapted to engage with the edge 12 of the hinge leave 8 and serves as a stop. The lugs 11 can be so formed on the knuckle 9' that when the hinge is mounted on a door or the like, the said lugs 11 will permit the door to be opened the desired distance.

In Figs. 3 and 4 of the drawing I have shown a modified form of construction which comprises a hinge similar in construction and design as that shown in Figs. 1 and 2 and heretofore described. Instead of forming lugs on the knuckle 9', I provide a plurality of tapped bores 13 and 14 in which pins 15 and 16 are threaded. The bores 13 and 14 are so located as to permit the pins 15 and 16 to be adjusted according to the swing of the door. When the hinge is mounted on a door or the like and when the said door is opened, the pins 15 and 16

engage the edge 12 of the hinge leave 8 thus preventing the door from contacting with a wall or the like.

My improved hinge as heretofore described, is very useful inasmuch as the lugs 11 or the pins 15 and 16 are so located on the knuckle 9' that when the door is swung toward a wall or the like, the said lugs or pins prevent the door from contacting with the said wall, thus preventing damage or injury to the same. At the present time a door stop is mounted on the base board of a room and so arranged as to contact adjacent the bottom edge of the door, thus preventing the door from contacting with the wall. This arrangement in numerous occasions has proven unsatisfactory inasmuch as when a heavy door contacts with a door stop of this class, the bottom portion of a door is only prevented from contacting with the wall, but as is a well known fact, the door knob of the door contacts with the wall, thus leaving an indentation, and considerable injury to the same. By my improved door stop, the door is stopped both at the top and bottom and as can be readily seen, no part of the door contacts with the wall when the said door is swung open.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A door stop of the class described comprising a pair of hinge leaves pivotally connected together; a pin adjustably mounted on the knuckle of one of said leaves adapted to engage the inner edge of the other of said leaves, limiting the pivotal movement of said leaves, substantially as described.

2. A door stop of the class described comprising a pair of hinge leaves pivotally connected together; and means adjustably mounted on the knuckle of one of said leaves for limiting the pivotal movement of said leaves, substantially as described.

3. The combination of a pair of hinge

leaves pivotally connected together, of a removable stop mounted on the knuckle of one of said leaves for varying the pivotal movement of said leaves, substantially as described.

4. The combination of a pair of hinge leaves pivotally connected together, of a stop member; and a plurality of aligned bores in the knuckle of one of said leaves whereby said stop member may be adjust-

ably mounted for limiting the desired pivotal movement of said leaves, substantially as described.

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

ADOLPH RODELL.

Witnesses:

JOSHUA R. H. POTTS,
CLARENCE E. THREEDY.