Oct. 2, 1923. 1,469,692

J. SOLTYS

ARTICLE SUPPORT

Original Filed Jan. 18, 1921 2 Sheets-Sheet 2

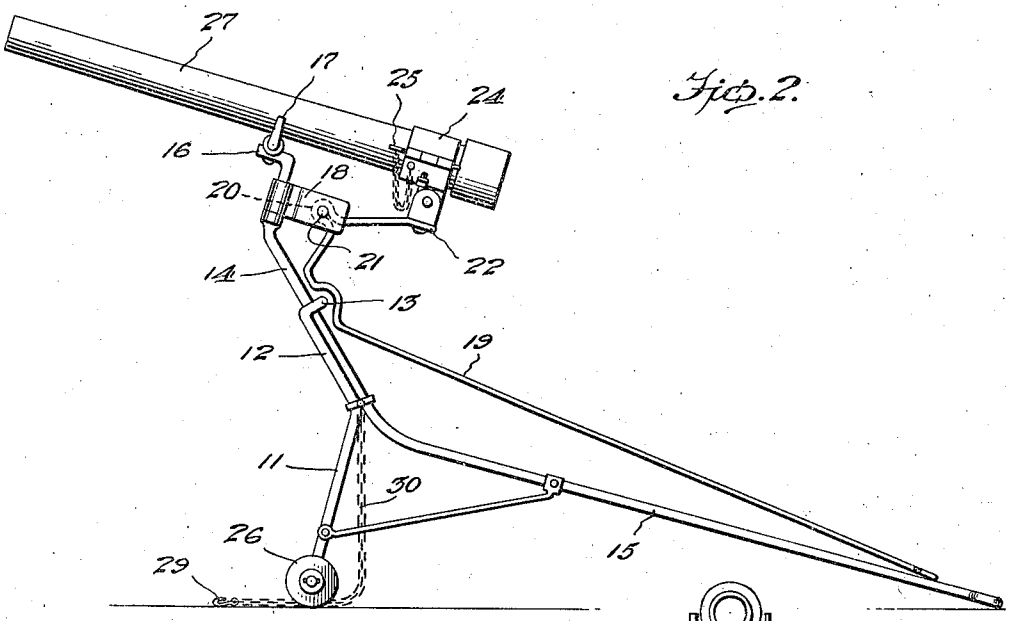


Fig. 2.

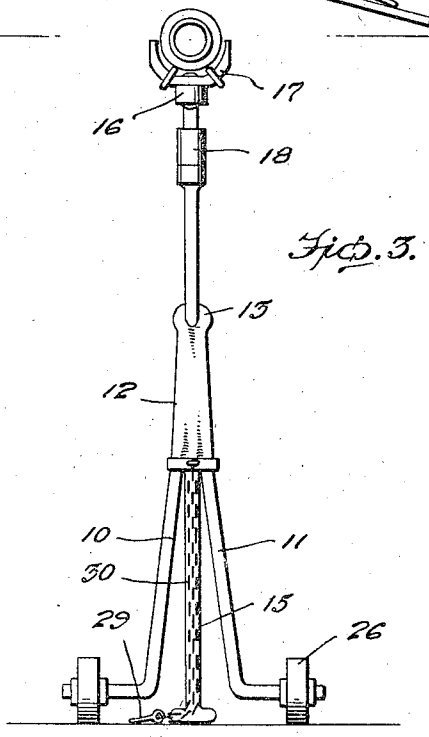


Fig. 3.

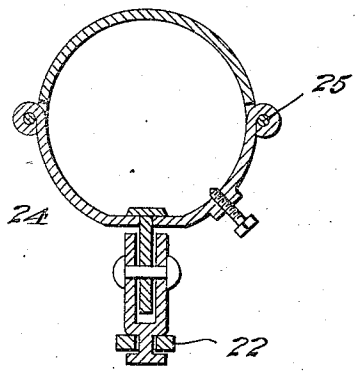


Fig. 4.

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WITNESS:

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UNITED STATES PATENT OFFICE.

VIRGIL ST. CLOUD, OF RALEIGH, NORTH CAROLINA.

DOORCHECK.

Application filed December 26, 1922. Serial No. 608,927.

To all whom it may concern:

Be it known that I, VIRGIL ST. CLOUD, a citizen of the United States, residing at Raleigh, in the county of Wake and State of North Carolina, have invented new and useful Improvements in Doorchecks, of which the following is a specification.

This invention relates to door checks or silencers, and more particularly to improvements in devices of this nature in which means are provided for noiselessly checking and cushioning the shutting movement of the door so as to prevent the same from slamming against its stop or abutment on the door frame.

One of the primary objects of the present invention relates to a yielding door check, which is adapted to be variably tensioned so as to regulate and control the outward or lateral projection of the obstructing member against which the door engages as it swings shut, and which possesses the additional features of not only being simple and inexpensive to produce, but also extremely efficient and durable in operation.

A further object of this invention resides in forming an integral recess flanged at one end of the base plate, to which is secured a flexible stop or bumper against which the door rests when in the closed position.

In the drawings, wherein is set forth a preferred embodiment of my invention:

Figure 1 is a horizontal sectional view showing the device atached to a door jamb and the door about to be brought into closing position.

Figure 2 is a front elevational view of the device.

Figure 3 is a vertical sectional view taken substantially along the line 3—3 of Figure 1.

Figure 4 is a detail perspective view of a modified form of the invention.

Figure 5 is a vertical sectional view of a modified form of the invention showing an adjusting screw for regulating the outward projection of the flexible bumper.

Referring to the drawings wherein like numerals indicate like parts in the several views, 10 denotes a door jamb of the ordinary construction used in houses and the like, which is provided with a rib 11 that is arranged to act as a stop for the door when the latter is swung shut.

A base plate 12, formed of metal or any other suitable material, is secured to the outer face of the door jamb 10 by any suitable securing means, such as the screws 13. A yielding tongue member 14 is preferably cut out of the plate 12 and is arranged to extend laterally from the outer face thereof so as to project into the path of the door 15, as the latter is closed.

A wear plate 16 may be attached to the outer edge of the door 15 so as to frictionally engage the tongue 16 and prevent the wearing or marring of the outer edge of the door when the latter is brought into contact with the yielding tongue 14.

The door jamb 10 is provided with an opening or recess 17, which receives a threaded bolt 18 that extends through an opening 19 in the tongue 14 and a correspondingly aligned aperture formed in the substantially U-shaped yoke or supporting member 20, which has its opposed ends abutting the inner face of the base plate 12.

In order to provide a variable tensioning means for regulating and adjusting the outward or lateral projection of the tongue 19, a spiral spring 21, which surrounds the bolt 18, is tensionally interposed between the base of the yoke 20 and the plate 12, as shown.

The stem of the bolt 18 is secured to the yoke by means of the threaded nut 22, which may be held thereon by the cotter pin 23, while the head 24, which is arranged flush with the outer surface of the tongue 14, is preferably provided with a groove for the reception of any suitable tool so as to permit the lateral adjustment of the tongue 14 to be regulated by means that are readily accessible from the exterior of the plate. A cotter pin 23′ extends through a suitable opening in the bolt 18 adjacent the inner face of the tongue 14, so as to prevent the bolt sliding relative to the tongue when the parts are set up.

While I have for the purpose of illustration conventionally shown the device secured to a door jamb, it will be understood that the same may readily be applied to the top cross piece of the door frame, or any other stationary member that is adapted to provide a stop or abutment for a swinging door, gate or the like.

It will be seen that by reason of the novel construction of this device, the outward projection of the tongue 14 which arrests the motion of the door as it is swung shut can be regulated by tightening or loosening the

scribed comprising a wheeled frame, a stationary arm associated with said frame and having angularly disposed branches, a yoke swiveled on one of said branches, a second arm including angularly disposed branches for connecting the first mentioned arm for movement thereto, and a sectional band carried on the branch of the second mentioned arm and arranged in juxta-position within said yoke for the purpose specified.

2. An article support of the character described comprising a wheeled frame, a stationary arm including angularly disposed branches secured to said frame, a yoke swiveled on one end of said arm, a second arm including angularly disposed branches associated with the first mentioned arm for both lateral and vertical movements, and a sectional band carried by the second mentioned arm and arranged in juxta-position to said yoke for the purpose specified.

In testimony whereof I affix my signature.

JOHN SOLTYS.

ing said bolt between said yoke and plate, and means on said bolt for varying the outward projection of said tongue, said means being substantially flush with the outer face of the tongue.

9. A door check comprising a base plate having an inclined outwardly projecting tongue, a substantially U-shaped supporting member engaging the inner face of said plate, a threaded bolt extending through aligned openings in said tongue and supporting member, said bolt provided with means adjacent the outer face of the tongue for regulating the outward projection of the latter.

10. A door check comprising a base plate having an inclined outwardly projecting tongue, a substantially U-shaped supporting member engaging the inner face of said plate, a threaded bolt extending through aligned openings in said tongue and supporting member, a tensional spring surrounding said bolt between said supporting member and plate, and means on said bolt for varying the outward projection of said tongue, said means being substantially flush with the outer face of the tongue.

In testimony whereof I have hereunto set my hand.

VIRGIL ST. CLOUD.