April 23, 1935. W. F. SCHACHT 1,999,111

RUBBER DOORCHECK

Filed Dec. 10, 1934

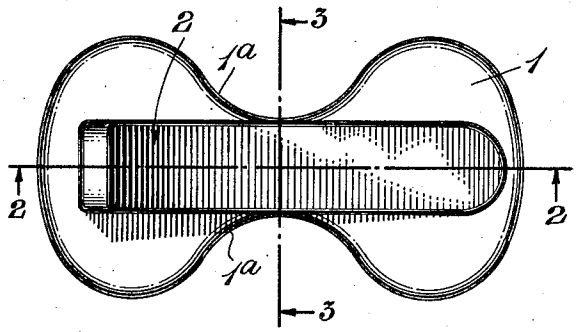


Fig. 1.

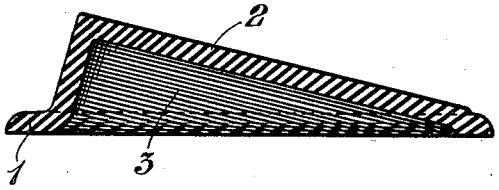


Fig. 2.

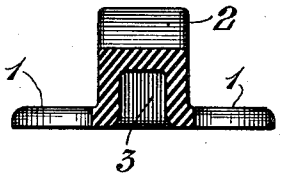


Fig. 3.

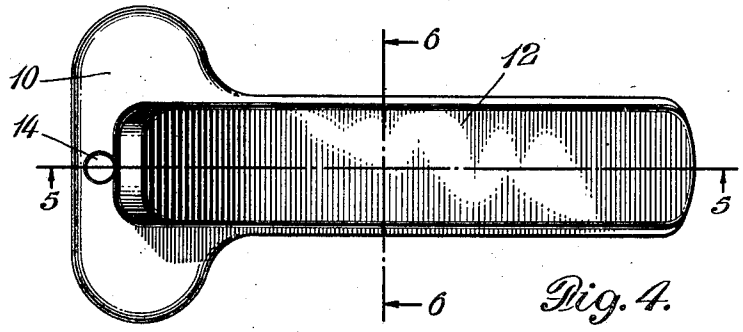


Fig. 4.

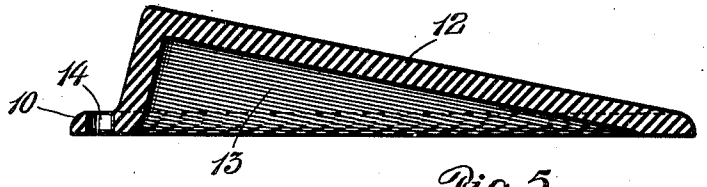


Fig. 5.

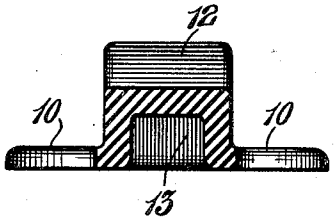


Fig. 6.

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UNITED STATES PATENT OFFICE

1,999,111

RUBBER DOORCHECK

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Application December 10, 1934, Serial No. 756,870

4 Claims. (Cl. 292—343)

This invention is a novel improvement in door checks and the principal object of the invention is to provide a door check of molded rubber or other flexible material, the same comprising a relatively wide flat base to maintain the door check in upright position, said base carrying a raised substantially wedge-shaped rib molded integrally therewith, the rib being substantially rectangular in cross section and increasing in height from one end of the base towards the other end; and said rib being recessed in its underside, the recess also extending through the base. The lower face of the base lies in a flat plane whereby when the lower edge of a door is wedged upon the upper face of the wedge-shaped rib the rib will yield appreciably, thereby setting up a partial vacuum under the base and in the recess of the rib, which partial vacuum will cause the base to more firmly grip the floor and prevent the door check from slipping; also the yielding or flattening of the rib under contact with the door will cause the rib to more firmly grip the lower edge of the door to prevent displacement, thereby holding the door more securely in adjusted position.

I will explain the invention with reference to the accompanying drawing which illustrates several practical embodiments thereof to enable others to adopt and use the same; and will summarize in the claims the novel features of construction, and combinations of parts, for which protection is desired.

In said drawing:

Fig. 1 is a top plan view of one form of my novel door check.

Fig. 2 is a longitudinal section on the line 2—2, Fig. 1.

Fig. 3 is a transverse section on the line 3—3, Fig. 1.

Fig. 4 is a top plan view of a modified form of my novel door check.

Fig. 5 is a longitudinal section on the line 5—5, Fig. 4; and

Fig. 6 is a transverse section on the line 6—6, Fig. 4.

As shown in Figs. 1 to 3 my novel door check preferably comprises a relatively thin molded base 1 of rubber or similar flexible material, said base being of general elliptical shape but may have opposed recesses 1a in its opposite long sides to reduce the unnecessary amount of rubber therein while leaving lobe-like portions at opposite ends of the base for maintaining the door check in upright position when in use.

Disposed axially of the base 1 is a wedge-shaped rib 2 which extends from one end of the base and slopes upwardly towards the other end, the upper surface of the wedge-shaped portion 2 being adapted to be engaged by the underedge of the door when the door is wedged upon the check. Extending upwardly through the base and into the wedge-shaped rib is a recess 3 which renders the door check substantially hollow.

The lower face of base 1 is preferably flat and when rib 2 of the door check is engaged by a door the upper face of the rib 2 will yield appreciably, thereby setting up a partial vacuum under the base, and in the hollow portion 3 of the rib which partial vacuum will cause the base 1 to adhere more tightly to the floor or other surface, preventing the base from slipping. At the same time the upper face of the rib will yield and thereby will more firmly grip the under edge of the door and will thus securely hold the door in adjusted position.

In Figs. 4, 5 and 6 a modified form of door check is shown in which the base 10 has only one lobe-like end, and the wedge-shaped rib 12 extends upwardly from the smaller end of the base terminating in the lobe end. In this modification the base 10 and the underside of the rib 12 is also recessed as at 13 in the manner similar to the recess in the door check shown in Figs. 1 to 3, and the operation of the door check shown in Figs. 4, 5 and 6 is the same as that above disclosed in Figs. 1 to 3.

If desired a hole 14 (Fig. 4) may be provided in one end of the base 10 for attachment to a cord or chain to maintain the check in proximity to the door.

I claim:—

1. In a door check; a base and a hollow yieldable wedge-shaped rib on the upper face of the base.

2. In a door check; a base and a yieldable wedge-shaped rib on the upper face of the base, the base and underside of the rib being recessed.

3. In a door check; a yieldable base and a yieldable wedge-shaped rib on the upper face of the base, the base and underside of the rib being recessed.

4. In a molded rubber door check, a base having a flat lower face; and a wedge-shaped rib on the upper face of the base, the base and underside of the rib being recessed whereby a partial vacuum will be set up under the door check when the rib is depressed.

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