G. KABURECK.

CUSHIONING DEVICE FOR DOORS AND THE LIKE.

APPLICATION FILED JUNE 27, 1908.

918,060. Patented Apr. 13, 1909.

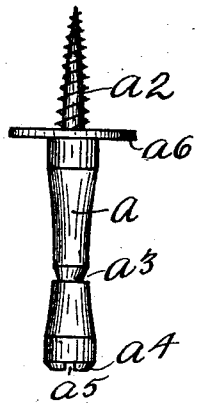


Fig. 1.

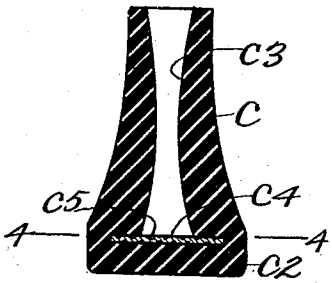


Fig. 2.

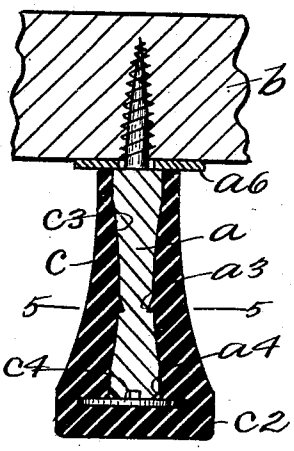


Fig. 3.

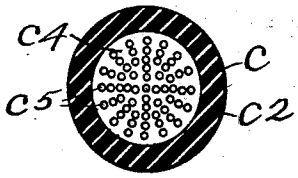


Fig. 4.

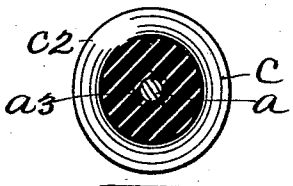


Fig. 5.

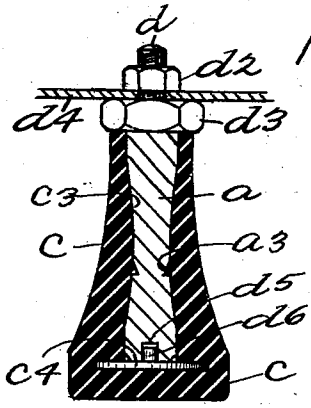


Fig. 6.

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CUSHIONING DEVICE FOR DOORS AND THE LIKE.

No. 918,060. Specification of Letters Patent. Patented April 13, 1909.

Application filed June 27, 1908. Serial No. 440,641.

To all whom it may concern:

Be it known that I, GEORGE KABURECK, a citizen of the United States of America, and residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Cushioning Devices for Doors and the Like, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to cushioning devices for use as bumpers in connection with doors, windows and the like, and which may also be employed as shoes for furniture legs, crutches, canes, umbrellas, etc., and the object thereof is to provide such a device which is readily secured in position and which permits the use of a high grade of rubber without the possibility of the article inserted therein forcing its way through the walls of the said device; a further object being to so form the post or other article therein, as well as the interior of the said cushion, as to lock the same permanently together, after assembling, and to permit a ready assembling thereof; a further object being to so construct the post thereof, when used as a bumper, to be placed in position by means of an ordinary screw driver or other tool and also to provide means whereby the post or the like therein may be prevented from side movement.

My invention is fully described in the following specification, of which the accompanying drawings form a part, in which the separate parts thereof are designated by the same reference characters in each of the views, and in which:—

Figure 1 is a view of a preferred form of post which I employ when my invention is used as a bumper; Fig. 2 is a sectional view of the rubber cushion; Fig. 3 is an assembled sectional view of my device in position for use as a bumper; Fig. 4 is a section on the line 4—4 of Fig. 2; Fig. 5 is a section on the line 5—5 of Fig. 3; and Fig. 6 is a view similar to Fig. 3, but showing some modification thereover.

In the drawings forming a part of this application, I have shown a cushioning device, comprising a post or support a and a cushion c, of rubber or other resilient material, adapted to be placed thereon, the said post a being preferably provided with an integral screw a^2 whereby it may be secured in position adjacent a door, window, or other movable object, the impact of which it is desired to take up, and said post may be provided with a slotted, inclined head a^4, the slot being indicated at a^5 or with an angular portion d^3, as shown in Fig. 6, whereby it may be acted upon by a suitable tool, said post being also formed with an inwardly curved body portion having an angular channel a^3 arranged centrally thereof, and, in practice, I prefer to use a washer a^6 both for protection of the material into which the screw is driven and for a finish to the device. The cushion c is shaped with an enlarged head c^2 and having a recess c^3 therein so curved as to be of greater diameter at each end than at the center and of slightly less diameter than the post a with which it engages, and, in the head c^2 is cast, in the manufacture thereof, a plate c^4 of metal, preferably, and provided with a plurality of small recesses or indentations c^5 in both the upper and lower surfaces thereof, with which the resilient material of which the cushion is adapted to engage so as to prevent the slipping of the plate therein and thus injure the walls thereof.

The modification shown in Fig. 6 is particularly adapted for use on sheet metal and a machine bolt d is substituted for the wood screw a^2 and provided with a nut d^2 therefor, the post having an angular neck for manipulation by means of a wrench or the like, as shown at d^3, whereby the post may be secured in the sheet metal d^4. In this figure is also shown another slight modification over the construction shown in Figs. 1 to 3, in that the post a is provided with a central recess d^5 in the head thereof and into which an integral pin d^6 on the plate c^4 is passed thus locking the post against side movement and this modification may also be used with the slot a^5 as will be understood. The internal diameter of the recess c^3 being less than the diameter of the post a, the material of which the cushion is composed is thus compressed when the said cushion is forced over the said post, the inclined head of the latter permitting its passage into the cushion, and, when the post is seated, the material of the cushion enters the channel a^3 and which, because of its formation, prevents the withdrawal of the post from the said cushion but new cushions may be substituted for the old ones by the cutting away of the latter and the post thereby not need replacement.

While I have confined the showing to the

use of my device as a bumper, it will be evident that the cushion *c* is well adapted for use on furniture legs, crutches and the like, with or without the post *a*, and also with canes, umbrellas and the like wherein a soft yielding base is required, and the external configuration may be changed in order to adapt the same to various uses.

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

1. A cushioning device, comprising a cushion composed of resilient material and provided with a recess, and a plate at the bottom of said recess, of greater diameter than said recess, and provided with cavities with which said material engages, and a post resting on said plate and engaged by the walls of said recess.

2. A cushioning device, comprising a cushion composed of resilient material having a recess therein, the walls of said recess being inwardly flared from each end, a roughened plate at the bottom of said recess and a post having substantially the same configuration as said recess and engaged thereby, said post having means connected therewith for securing the device in any desired position.

3. A cushioning device, comprising a cushion composed of resilient material having a recess therein, a roughened plate at the bottom of said recess, and a post resting on said plate and provided with an annular channel into which said material is adapted to enter to lock said post within said recess, and means for securing said post to a fixed object.

4. A cushioning device, comprising a cushion composed of resilient material having a recess therein, said recess being inwardly flared from each end, a roughened plate at the bottom of said recess and a post, provided with a screw or equivalent, having the same configuration as said recess and engaged thereby, said post being also provided with an annular channel into which said material enters to prevent the withdrawal of said post from said cushion.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 24th day of June 1908.

GEORGE KABURECK.

Witnesses:
WHITEFIELD SAMMIS,
A. J. MOTTLAU.