

J. H. MILLER.
BUMPER OR CUSHIONING DEVICE.
APPLICATION FILED JULY 11, 1912.

1,051,508.

Patented Jan. 28, 1913.

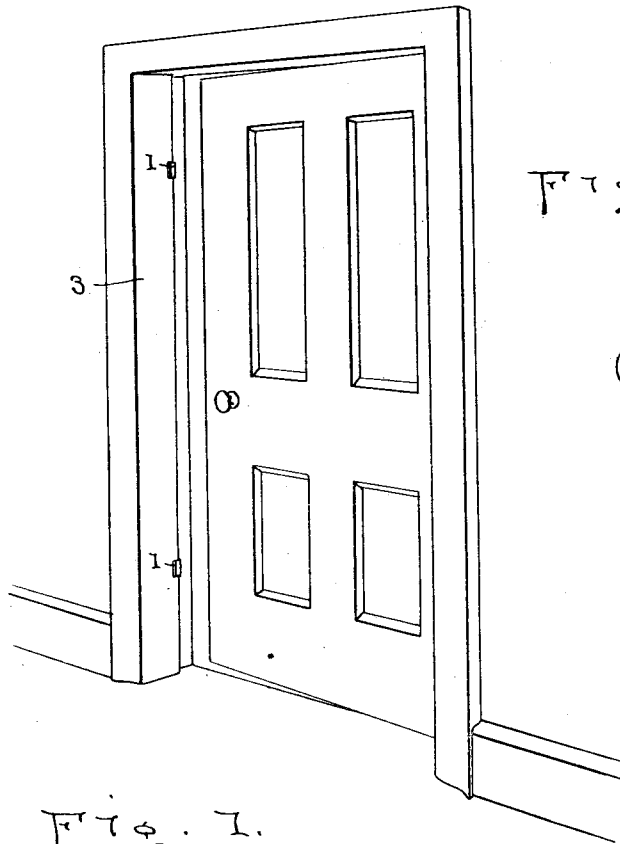


Fig. 1.

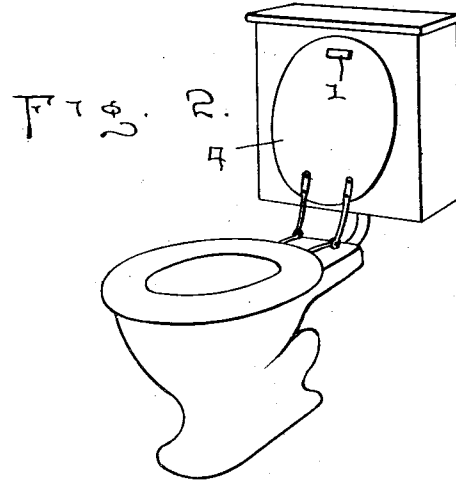


Fig. 2.

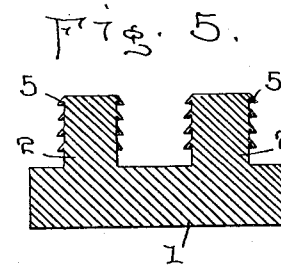


Fig. 5.

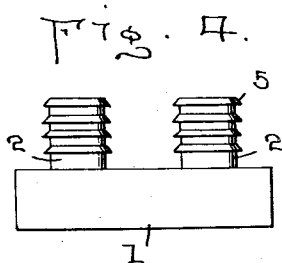


Fig. 4.

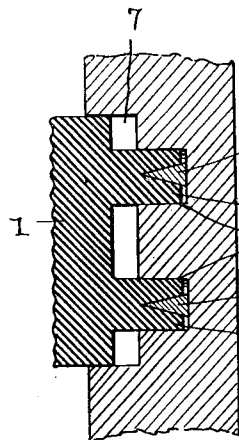


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN H. MILLER, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR OF ONE-SIXTEENTH TO LAWRENCE O'DEA, OF WASHINGTON, DISTRICT OF COLUMBIA.

BUMPER OR CUSHIONING DEVICE.

1,051,508.

Specification of Letters Patent. Patented Jan. 28, 1913.

Application filed July 11, 1912. Serial No. 708,811.

To all whom it may concern:

Be it known that I, JOHN H. MILLER, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Bumpers or Cushioning Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in bumpers or cushioning devices which will be found to be very desirable and useful for a great variety of purposes, as upon doors, closet seats and for all manner of uses where it is desired to cushion the blow or weight of any object contacting with another, as in checking the movement of levers and the like, and, the object of my invention is to provide a simple, though reliably efficient cushioning means which will accomplish all of the various purposes enumerated at a minimum cost.

A further object of my invention, among others, is to provide reliable means for anchoring my cushioning device in its operative position upon or in connection with any object where it is employed.

Other objects and advantages will be hereinafter made clearly apparent, reference being had to the accompanying drawings which are made a part of this application, and in which,

Figure 1 shows my invention as a door bumper in checking the blow of the door against the door frame. Fig. 2 is a perspective detail view illustrating the use of my cushioning device upon a closet seat. Fig. 3 is a sectional view showing my cushioning device as anchored in its operative position. Fig. 4 is a side elevation of my cushioning device or bumper, and Fig. 5 is a longitudinal central sectional view thereof.

In order to conveniently refer to the various features of my invention and cooperating accessories, designating numerals will be employed, and referring to the numerals on the drawing, 1 indicates the body portion of my improved cushioning device or bumper which is provided upon one side with one or more anchoring stems 2, formed

integral with the said body portion 1 and adapted to enter anchoring seats provided in the door frame, closet seat or other place where my improved bumper is to be employed, and I prefer to so form the anchoring stems 2 that they will remain reliable in their respective anchored positions as in suitable apertures provided in a contiguous part of the door frame 3, seat 4 or the like, and I also provide said anchoring stems with a plurality of rib like devices 5, which are so inclined as to permit the free entrance of the stems into their respective seats but which will prevent the casual withdrawal thereof from their places of anchorage. I also in some instances provide inwardly tapering recesses in the ends of the anchoring members 2, to receive a tapering retaining member 6, as clearly shown in Fig. 3, whereby the extreme ends of the anchoring members 2 will be spread or enlarged sufficiently to insure their retention within their respective seats.

In applying my invention to use I provide suitable openings corresponding to the number of stems 2, when said stems may be forced into said openings and the flanges or retaining device 5 will reliably hold the same against casual withdrawal. The stems 2 are preferably formed of greater length than that of the seats 7* in order that the body portion 1 will be normally held spaced from the rear wall of its seat 7, and to allow a limited movement to said body portion within the seat when a blow is delivered thereon.

Obviously, my improved form of bumper or cushion may be used to great advantage in a large number of places, as for instance in the various ways hereinbefore illustrated, as well as in all positions where it is desired to cushion the blow or protect the wall or object from damage incident to contact with another object. It is furthermore obvious that my invention may be manufactured of any suitable substance as rubber, fiber, or wood reinforced with felt or the like (not shown), and I reserve the right to employ any suitable substance which may be found desirable.

When formed of resilient rubber, it is obvious that my special form of cushion will be found very useful and efficient in

the performance of its office of cushioning all blows placed thereon, and having thus described the construction and manner of using my invention, further description is deemed unnecessary.

What I claim is:—

1. As an article of manufacture, a bumper formed of elastic material having a rectangular body portion, and integral anchoring stems, the face of said body portion being corrugated, said stems having a plurality of annular lips disposed in a plane oblique to the stems and flared toward the body portion, said stems and lips being adapted to be depressed for insertion within

suitable seats for preventing the free withdrawal thereof.

2. As an article of manufacture, a resilient bumper provided with a body portion, and anchoring stems projecting from the rear of the body, the said stems having annular lips to hold the bumper in position.

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

JOHN H. MILLER.

Witnesses:

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