Feb. 13, 1934. J. L. VENTURA 1,946,954

COMBINATION DOOR CUSHION AND DOORCATCH

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Fig. 1.

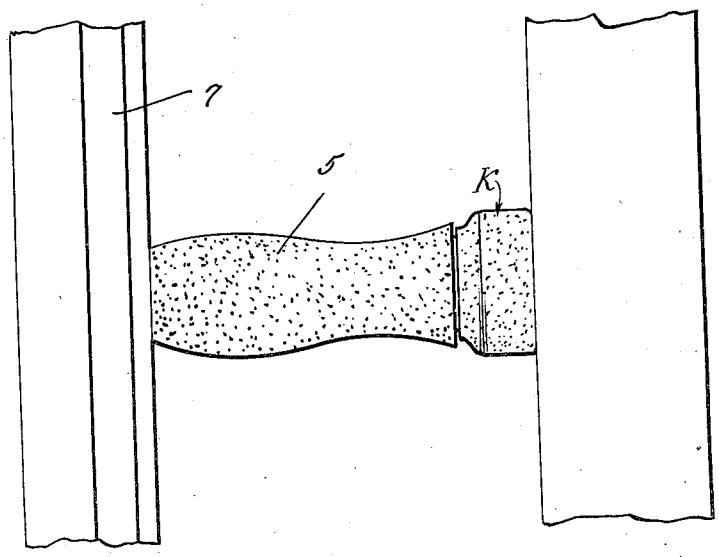


Fig. 3.

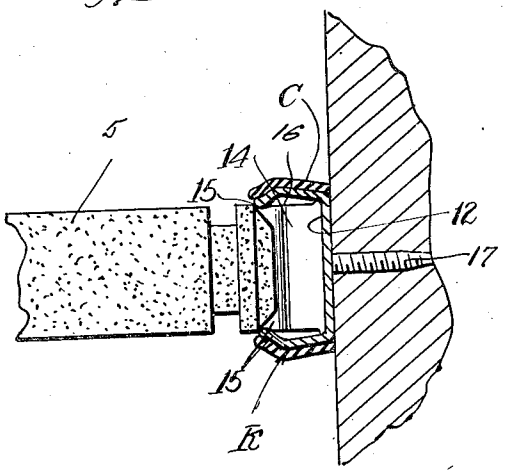
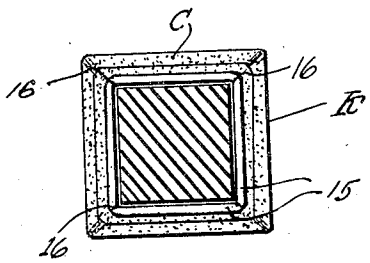


Fig. 5.



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Fig. 2.

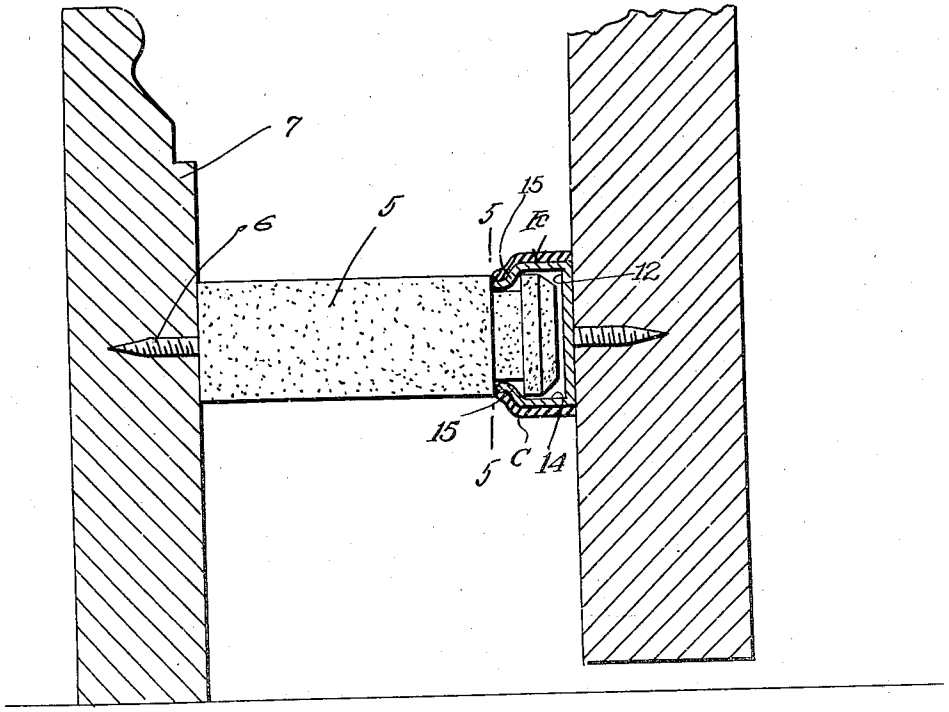
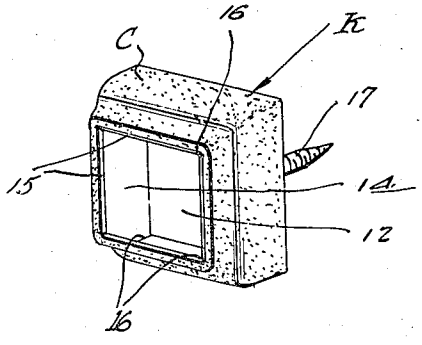


Fig. 6.



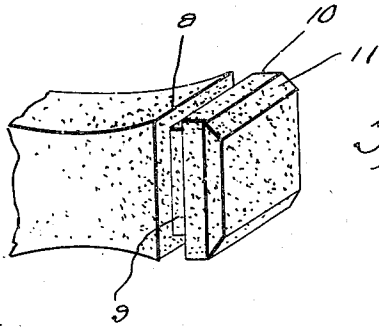


Fig. 4.

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UNITED STATES PATENT OFFICE

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COMBINATION DOOR CUSHION AND DOOR CATCH

Joseph L. Ventura, Park Ridge, Ill.

Application November 19, 1932
Serial No. 643,448

1 Claim. (Cl. 292—17)

The present invention relates to a combination door cushion and door catch, and has for its object to provide a device of this nature which will effectively prevent slamming or banging of a door against the wall when opened and will hold the door in open position against the same being closed by drafts and the like.

Another important object of the invention resides in the provision of a device of this nature which is exceedingly simple in its construction, inexpensive to manufacture, strong and durable, thoroughly efficient and reliable in use, and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention consists in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawings:

Figure 1 is a plan view of the device embodying the features of my invention showing the same applied.

Figure 2 is a view showing one element in side elevation and the other element in section and showing the baseboard and base portion of a door in section.

Figure 3 is a fragmentary view showing one element about to enter the other.

Figure 4 is a fragmentary perspective view showing one end of the door cushion.

Figure 5 is a sectional view taken substantially on the line 5—5 of Figure 2, and

Figure 6 is a perspective view of the keeper element.

Referring to the drawings in detail, it will be seen that the numeral 5 denotes an oblong cushion body made of metal, hard rubber composition or any other suitable material and from one end of the body projects a screw 6 so that the body may be engaged by a baseboard 7. The other end has a groove 8 extending thereabout thereby forming a neck 9 connecting a head 10 with the body and the head is beveled as indicated at 11.

The letter K denotes generally a keeper formed of spring metal or any other suitable material to provide a plate 12 with sides 14 projecting therefrom and terminating in inwardly curved flanges or jaws 15. It will be noted that the keeper is in the form of a socket and that the sides thereof are mutually separated through the medium of slits 16 which slits extend to the edges of the flanges or jaws 15. A screw 17 extends outwardly from the center of the plate 12 so that the same may be engaged with the door in such a manner that when the door is swung open the jaw flanges 15 engage the bevels 11 and snap over the head 10 to engage in the groove 8 and in so doing banging of the door is prevented as the resistance caused by the necessary expansion of the clip jaws will slacken up the speed of the door slowly and when these clip jaws are engaged with the head so as to be seated in the groove 8, the door will be prevented from accidentally closing.

If desired, and preferably as shown, the keeper K is provided with an outer sleeve or covering C formed of rubber or other suitable elastic material. The covering C as shown extends along the sides of the keeper K, and being of resilient material will normally urge the sides 14 of the keeper inwardly toward the center, and will offer sufficient resistance to the tendency of said sides to swing outwardly upon engagement of the member 5 with the keeper K. The covering C is as shown in the form of an endless sleeve of a shape conforming to the shape of the socket.

It is thought that the construction, operation, utility and advantages of this invention will now be clearly understood by those skilled in this art without a more detailed description thereof.

The present embodiment of the invention has been described in considerable detail merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of the parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

In a combination door stop and cushion, an elongated cushion body substantially rectangular in cross section and provided at one end with means for securing it to a wall, and at a relatively opposite end with a head, non-circular in cross section, together with a groove behind the head and beveled faces at the marginal edge of the head on the side thereof opposite to the groove, and a socket to engage said head comprising a metallic plate provided at the center thereof with means for securing it to a door, said plate having integral sides projecting forwardly therefrom, said sides being arranged at substantially right angles to one another about the plate to provide a wall for the socket, and said sides being also mutually separated at the corners of the socket, and integral curved jaw flanges on the free edges of said sides to engage in the groove in the cushion block behind said head upon inter-engagement of said head and socket; and an endless elastic sleeve engaging the outer faces of said sides and having an end edge portion engaging said jaws.

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