April 22, 1947. W. HILTON 2,419,449

DOOR STOP

Filed Dec. 1, 1945

Fig. 1

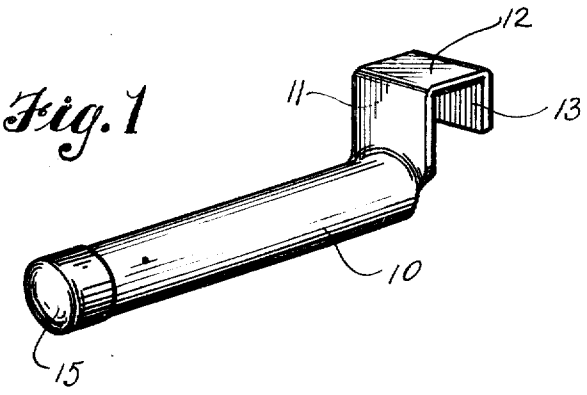


Fig. 3

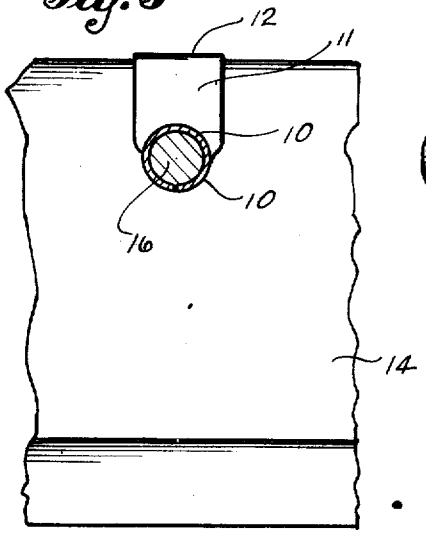


Fig. 2

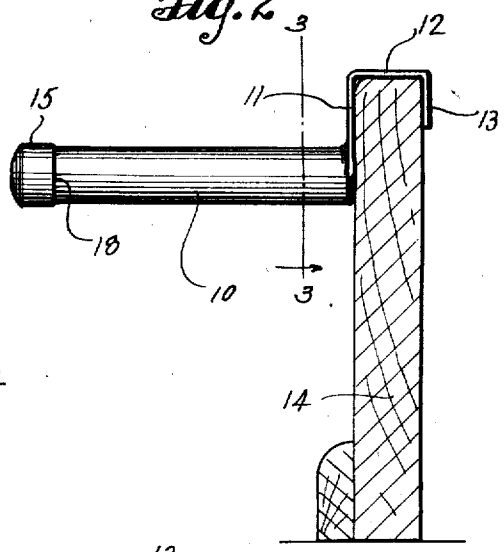
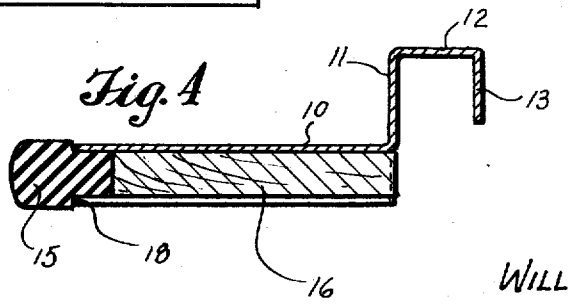


Fig. 4



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DOOR STOP

William Hilton, Seattle, Wash.

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1 Claim. (Cl. 16—86)

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This invention relates to door stops and the like, and it has for its principal object to provide a door stop of a practical kind, that may be economically produced and which may be applied to a base board or the like and functionally held in place thereon without use of fastening screws or nails.

More specifically stated, the objects of the invention reside in the provision of a door stop from a single piece of sheet metal, having a portion thereof rolled into tubular form to provide a rigid and substantial stop member, and terminating at its inner end in an integral flange that is bent in the form of a hook that may be applied over the top edge of a base board to functionally mount the stop on the board.

It is also an object of the invention to apply a rubber cushioning plug to the outer end of the tubular part, and to insert a wooden core in the tubular portion as an abutment for the rubber bumper.

Other objects and advantages of the invention reside in the details of construction of the parts of the stop; in their relationship and in the mode of application and use of the device, as will hereinafter be fully described.

In accomplishing these and other objects of the invention, I have provided the improved details of construction, the preferred forms of which are illustrated in the accompanying drawings, wherein—

Fig. 1 is a perspective view of a door stop embodied by the present invention.

Fig. 2 is a side view of the same as applied to a base board; the board being shown in cross section.

Fig. 3 is a cross section on line 3—3 in Fig. 2.

Fig. 4 is a longitudinal section of the stop.

Referring more in detail to the drawings—

In the present preferred form of construction, the stop is made from sheet metal and originally comprises a flat blank. A part of this blank is rolled into tubular form, thus providing the stop post which is herein designated by numeral 10. Integral with the post, at its inner end, is a flange that is bent to form a downwardly opening hook. As seen in Figs. 1 and 2, this hook comprises a front wall portion 11, a top wall portion 12 and

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an inner wall portion 13. The hook thus formed may be applied over the top edge portion of a base board 14 as shown in Fig. 2, and will hold the post extended perpendicularly from the board.

Applied in the outer end of the tubular post is a rubber plug 15, and inside the tubular bod is a wooden core 16 that terminates at its in end flush with the inner end of the tubular t tion. The inner end of the rubber plug sea against the outer end surface of this woden cor as seen in Fig. 4.

As herein shown, the rubber plug is shouldered as at 18 to overlie the end of the post, but could be a plug of the same diameter as the inside diameter of the post and be held against inward shifting by its engagement against the wood core. Plugs of wood or other cushioning material might also be used.

Such stops may be made in various sizes to meet requirements, and of various metals.

The advantages in use of the present door stop reside mainly in the fact that it may be easily and readily applied wherever required and needs no nails or screws for its securement. Furthermore, it is effective in use, and relatively inexpensive to make.

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

A door stop of the character described comprising a single piece of sheet metal having a portion thereof rolled into cylindrical tubular form to form a stop post, and having a part integral with the inner end of the tube bent to form a hook; said hook being adapted to be fitted over the top edge of a base board to mount the stop post perpendicular to the face of the board, and a cushioning plug applied to the outer end of the tubular portion.

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REFERENCES CITED

The following references are of record in the file of this patent:

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Number	Name	Date
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