Sept. 24, 1957 A. H. BLONDY 2,807,044

SAFETY DOOR STOP

Filed Dec. 20, 1954

Fig. 1

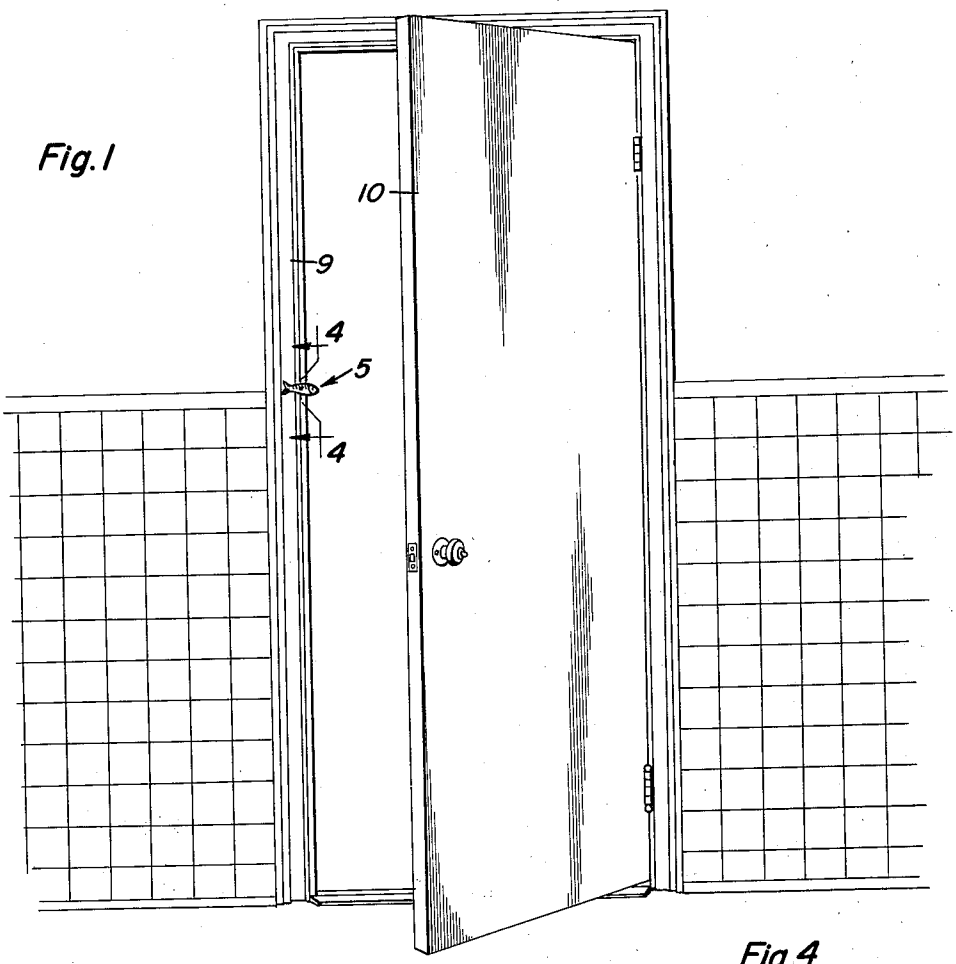


Fig. 2

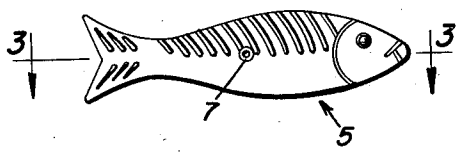


Fig. 3

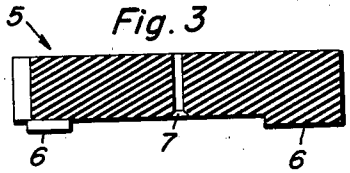
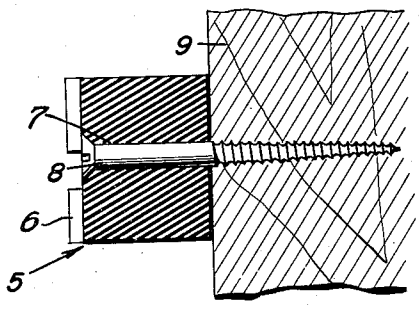


Fig. 4



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SAFETY DOOR STOP

Allen H. Blondy, Detroit, Mich.

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1 Claim. (Cl. 16—86)

The present invention relates to new and useful improvements in safety stops particularly for bathroom doors although it will be understood, of course, that the device may be used in conjunction with any other doors for which it may be found adapted and desirable.

The primary object of the invention is to provide, in a manner as hereinafter set forth, novel means for positively preventing a door from being completely closed, thus rendering it impossible for a small child to lock itself in a bath or other room.

Other objects of the invention are to provide a safety door stop of the aforementioned character for children which will be comparatively simple in construction, durable, compact, attractive in appearance and which may be manufactured and installed at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawing wherein like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a front elevational view, showing a safety stop constructed in accordance with the present invention installed and in operative position;

Figure 2 is a view in front elevation of the device;

Figure 3 is a view in horizontal section, taken substantially on the line 3—3 of Figure 2; and

Figure 4 is a vertical sectional view, taken substantially on the line 4—4 of Figure 1.

Referring now to the drawing in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a bar 5 of molded rubber. In the embodiment shown, the bar 5 which may be of any suitable dimensions, has the configuration and appearance of a fish. As shown in Figure 3 of the drawing, the bar 5 includes thickened portions 6. The thickened portion at the head of the fish is coextensive therewith, and the other thickened portions on the tail are spaced from each other. Both portions 6 rise from the same surface of bar 5.

The bar 5 has formed transversely therein, at an intermediate point, a countersunk opening 7. The opening 7 accommodates a pivot screw 8 for rotatably mounting the bar 5 in the desired location on the frame 9 of a hinged, horizontally swinging door 10.

It is thought that the manner in which the device is used will be readily apparent from a consideration of the foregoing. The device is preferably installed on the door frame 9 at an elevation above the reach of a small child. When in operative horizontal position, one end portion or the other of the bar 5 projects into the path of the free edge of the door 10, thereby positively preventing said door from being completely closed and locked. The bar 5 is frictionally retained against idle rotation on the pivot screw 8. To permit the door 10 to close, the bar 5 is turned to a substantially vertical position on the frame 9. When in operative or horizontal position, the bar 5 will also function as a cushion for preventing the door from being slammed, as by the wind.

It is believed that the many advantages of a safety door stop constructed in accordance with the present invention will be readily understood and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction may be resorted to which will fall within the scope of the invention as claimed.

What is claimed as new is as follows:

As a new article of manufacture for mounting on the frame of a horizontally swingable door at an elevation above the reach of a small child, a safety door stop comprising: a resilient rubber bar of substantially rectangular transverse section having a transverse opening therein at an intermediate point, a headed, countersunk pivot screw engaged in the opening and rotatably mounting the bar on the front of the frame with the front surface of the bar rotatable in a vertical plane and into the path of travel of the door, said bar terminating in laterally thickened end portions selectively positionable in the path of the door when said bar with said surface thereof is rotated into said door path for preventing the complete closing of the door with said thickened portions rising outwardly from said surface and providing cushions for said door.

References Cited in the file of this patent

UNITED STATES PATENTS

382,086	Herrick	May 1, 1888
934,488	Watrous	Sept. 21, 1909
1,120,505	Johnson	Dec. 8, 1914
2,417,521	Reeves	Mar. 18, 1947

FOREIGN PATENTS

15	Great Britain	Jan. 1, 1886
9,506	Great Britain	May 1, 1908