June 28, 1938. J. CASSION 2,122,312

DOOR ATTACHMENT

Filed May 25, 1937

Fig. 1

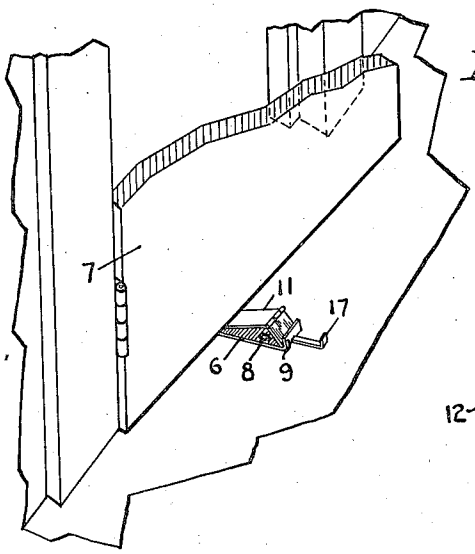
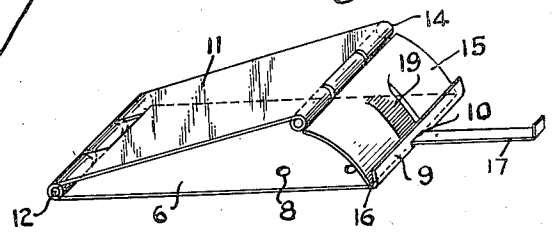


Fig. 2



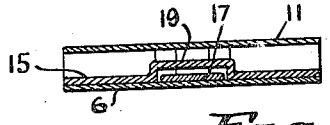


Fig. 5

Fig. 3

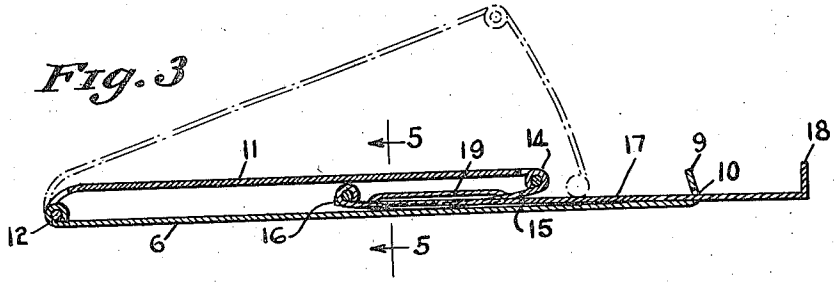
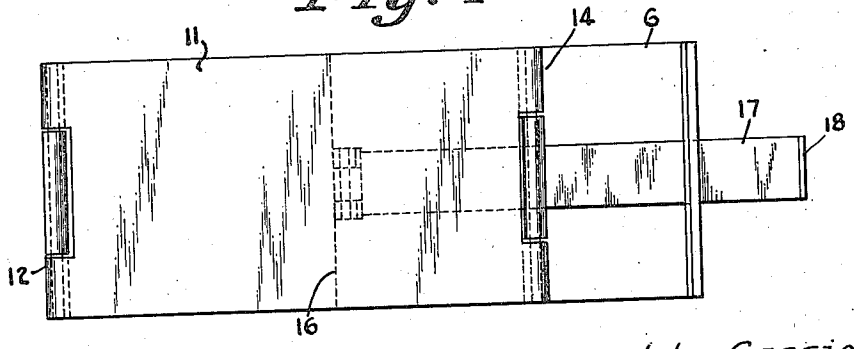


Fig. 4



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Patented June 28, 1938 2,122,312

UNITED STATES PATENT OFFICE

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DOOR ATTACHMENT

John Cassion, Brooklyn, N. Y.

Application May 25, 1937, Serial No. 144,703

3 Claims. (Cl. 292—342)

This invention relates to door attachments and more particularly to that class wherein the door is permitted to be opened a predetermined distance only.

One of the principal objects of my invention is to provide means for limiting the opening movement of a door or the like to prevent entry of unauthorized persons while at the same time permitting the door to open a sufficient distance for ventilating purposes or the like.

Another object of my invention is to provide means to limit the opening movement of a door to a predetermined position and which can be operated to permit the opening of the door to any desired opened position.

A further object of my invention is to provide means for limiting the movement of a door which is easy in operation, simple in construction and economical in manufacture.

Other objects and advantages will be apparent from the following description, appended claims and annexed drawing.

Referring to the drawing wherein like reference characters designate like parts throughout the several views:

Fig. 1 is a perspective view of my invention applied to a door.

Fig. 2 is a perspective view of my invention showing the parts in door limiting position.

Fig. 3 is a longitudinal section thereof in collapsed or limiting position.

Fig. 4 is a top plan.

Fig. 5 is a sectional view taken on a line 5—5 of Fig. 3.

In the preferred embodiment illustrated in the drawing, my attachment comprises an elongated metal base or plate 6 adapted to be positioned on the opening side of a door 7 and secured to the floor adjacent said door by means of suitable screws passing through openings 8 or the like. One end of said base is fashioned with a vertical extending flange 9 having a slot 10 formed therein.

An end section of a door engaging plate 11 is hinged, as at 12, to the end of the base juxtapositioned in relation to said door. The opposite end section of said door engaging plate is provided with a hinge 14 and has pivotally connected thereto an arcuate supporting member 15, adapted to elevate and support the respective end section of the plate to form a wedge-shaped configuration of the parts, as illustrated in Fig. 2. The lower end 16 of said supporting member seats within the fold formed by the flange 9 on the plate 6, said end positioned laterally in relation to said hinge 14.

The end 16 is pivotally connected to one end of a longitudinally extending bar-like member 17 adapted to slide within the slot 10 in the flange 9. The opposite end of said member is provided with an upwardly bent end portion defining a foot piece 18 for operating purposes. Said bar-like member is adapted to seat within the channel 19 formed in the outer face of the member 15 when the attachment is collapsed or in non-door engaging position.

To properly position the attachment, the door 13 is opened a desirable distance for permitting ventilation or the transaction of business but preventing entry of persons therethrough. The attachment, the parts being in the door engaging position illustrated in Fig. 2, is positioned on the floor and under the lower face of the door with the plate 11 engaging said lower face in a manner to prevent further opening movement of the door. The attachment is then secured to the floor in this position by means of screws passed through the openings 8. Obviously, the attachment, in this position, serves to limit the opening movement of the door and thereby prevents entry of persons therethrough.

When it is desirable to permit the door to open a further distance, the slidable bar-like member is moved in the direction towards the door and, as a consequence, rocks the member 15 about the hinge 14, thus lowering the door engaging plate 11 to the position illustrated in Fig. 3. In this position the parts are collapsed and the door may pass thereover.

By moving the sliding bar-like member in the opposite direction, a reverse movement of the parts is obtained to position them in a manner to limit the opening of the door, as heretofore described.

It will be noted, that by reason of the lower face 16 of the arcuate member 15 being positioned laterally of the hinge 13, the parts are prevented from collapsing when the door engages plate 11.

It is to be distinctly understood that various changes and modifications in the construction and arrangement of the various parts may be resorted to without departing from the spirit of the invention or scope of the appended claims.

Having described my invention, what I claim is:

1. An attachment of the class described, comprising, a base, a door engaging plate pivoted to said base, a supporting member hinged to said

plate and coacting with said base in a manner to position said plate in an inclined door engaging position relative to said base, and a laterally sliding bar-like member pivoted to said member and operatable for positioning said plate in parallelism with said base.

2. An attachment of the class described, comprising, a base having a flange formed on one end thereof, a door engaging plate connected to the opposite end of said base, a supporting member pivoted to said plate and engaging said flange when in an elevated position, and a lateraly slidable bar-like member pivoted to said member for, on occasion, positioning an end of said member in engagement with said flange whereby to elevate said door engaging plate to a door engaging position.

3. An adjustable door stop of the type described comprising a relatively stationary elongate substantially flat base plate having an upwardly bent slotted flanged end portion, hinge elements formed in the opposite end of said base plate, a door engaging plate having hinge elements formed in an edge thereof adapted to cooperate with said hinge elements of said base plate whereby said door engaging plate can be rotatably but firmly mounted on said base plate, a support plate connected to the other end of said door engaging plate by means including hinge elements and engageable with said flanged end of said base plate when in substantially upright position, and means for laterally moving the free end of said supporting plate comprising a sliding bar-like member attached to the free end of said supporting plate by means including hinge elements and slidably held within and laterally projecting from said slotted upturned end portion of said base plate, the projecting end of said bar-like member being upturned to facilitate manipulation thereof.

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