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DOOR HOLDING DEVICE

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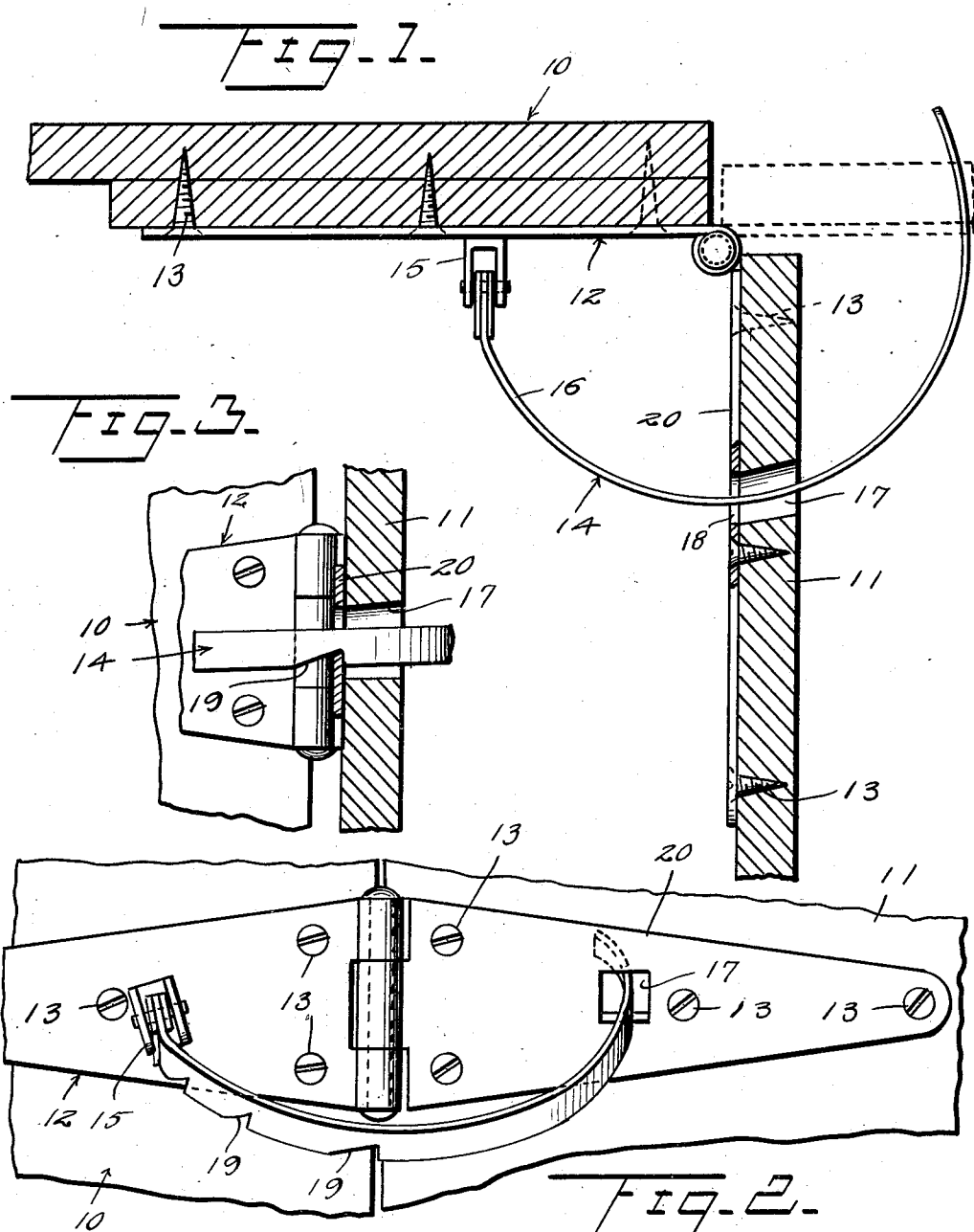


Fig. 2.

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DOOR HOLDING DEVICE

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The present invention relates to door stopping devices and more particularly to a device adapted to hold a garage door in open position.

5 An object of this invention is to provide a door stop in combination with a hinge which engages the hinge for holding the door in open position.

10 Another object of this invention is to provide a door stop or holding device which is so constructed that it will not be placed in operative position until the door has reached a predetermined point in the opening thereof and beyond which point the door can be held in various degrees of open position.

15 The above and various other objects and advantages of this invention will in part be described in and in part be understood from the following detailed description of the present preferred embodiment, the same being illustrated in the accompanying drawings, wherein:—

20 Figure 1 is a detail top plan view partly in section of a device constructed according to the preferred embodiment of this invention mounted in operative position on a garage and garage door;

Figure 2 is a fragmentary front elevation of the device, and

25 Figure 3 is a fragmentary front elevation partly in section showing the device in operative position for holding the door open.

Referring to the drawings wherein like numerals of reference designate corresponding parts throughout the several views, the numeral 10 designates generally a wall of a garage which is provided with a door 11 hingedly secured thereto by means of a leaf hinge 12. The hinge 12 is secured to the door 11 by means of screws or bolts 13 or the like.

30 In order to hold the door 11 in open position, I have provided a stop member generally designated as 14, which stop member 14 comprises a substantially U-shaped base member 15 to which is pivotally secured a segmental bar 16. One end of this bar 16 is free and extends through an opening 17 in the door and an aligned opening 18 in the leaf of the hinge 12 oppositely from the hinge to which the base member 15 is secured.

In the present instance, the base 15 is secured to the leaf of the hinge attached to the wall 10 of the garage, but I do not wish to be limited to this construction as, if desired, the base member 15 may be attached to the leaf of the hinge secured to the door 11. In other words, the hinge 12 may be turned around and the leaf containing the opening 18 secured to the wall 10 of the garage.

35 The segmental bar or stop member 16 is provided at the lower edge thereof with a plurality of spaced notches 19 which are adapted to engage the lower edge of the opening 18 of the leaf 20 of the hinge 12 which is secured to the door. The opening 17 is relatively wider than the opening 18 in the hinge member 20 so that the bar 16 can engage the leaf 20 in the opening 18 in the desired notch 19 of the segmental stop member 16 when the door is open.

40 One edge of the notch 19 is preferably substantially vertically disposed and another edge is inclined toward the lower edge of the stop member 16 so that the door can have free swinging movement in one direction, but when the leaf 20 is swung inwardly so as to close the door, the stop member 16 will drop the extent of the notch 19 and prevent return of the door to closed position until the bar 16 has been raised so as to disengage the selected notch 19 from the leaf 20.

45 In the use of this device, the free end of the stop member 16 is adapted to project slightly through the door 11 when the door 11 is in closed position. When the door 11 is opened, the lower edge of the stop member 16 will slide over the bottom of the opening 18 in the leaf 20 and when it is desired to hold the door in open position, the door can be swung outwardly until the selected notch 19 engages the leaf 20. The stop member 16 is gravitatingly swung downwardly into locking position and this position will be maintained until the locking member 16 is manually raised so as to release the lock 16 from the hinge member 20.

50 It will be obvious from the foregoing that an exceedingly simple stop member has been devised for holding garage doors or the like in desired open position and while I have stated that the device is particularly adapted

for use with garage doors, I do not wish to be limited to this construction, as the device may be used for other doors or swinging members which it is desired to hold in open position.

5 It is, of course, understood that various changes and modifications may be made in the details of construction and design of the above specifically described embodiment of this invention without departing from the spirit
10 thereof, such changes and modifications being restricted only by the scope of the following claim.

I claim:—

15 A door stop of the character described comprising in combination, a hinge having a pair of pivoted leaves, a substantially semi-circular member having notches in the lower edge thereof, said notches having one side disposed at substantially right angles to the adjacent
20 edge of the member and another side disposed on an obtuse angle to the adjacent edge of the member, means for pivotally securing said member to one leaf of said hinge, said hinge having an opening in the other leaf through
25 which the free end of the member is projected, said member gravitatingly engaging one edge of said opening, said notches permitting free movement of the hinge leaves in one direction while restricting the movement in the opposite direction.
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In testimony whereof I hereunto affix my signature.

HENRY L. ASBURY.

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