Dec. 18, 1956 W. A. PRIEBE 2,774,622

DOOR HOLDER

Filed July 9, 1954

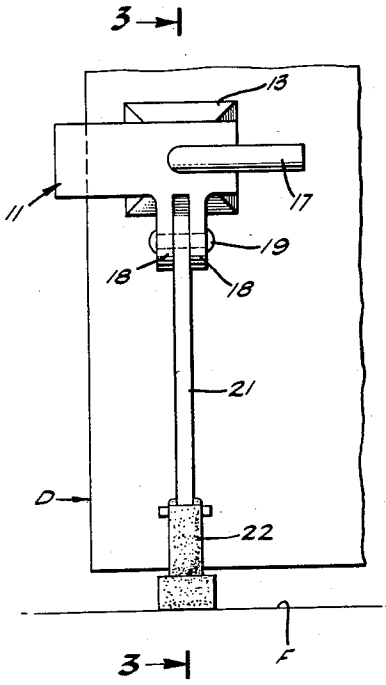


FIG. 2.

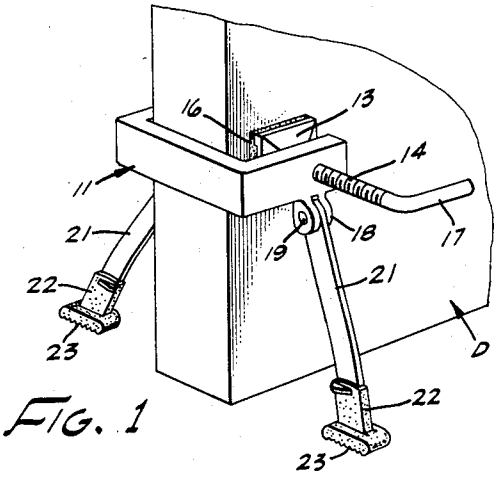


FIG. 1

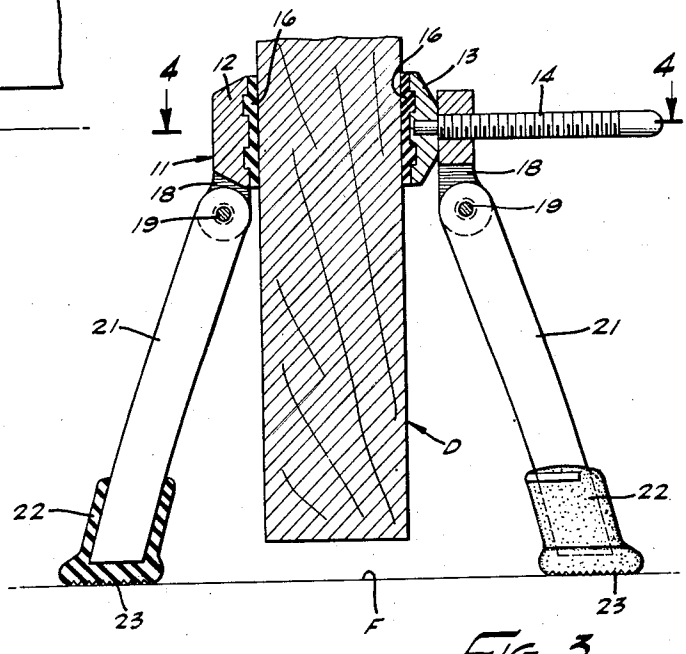
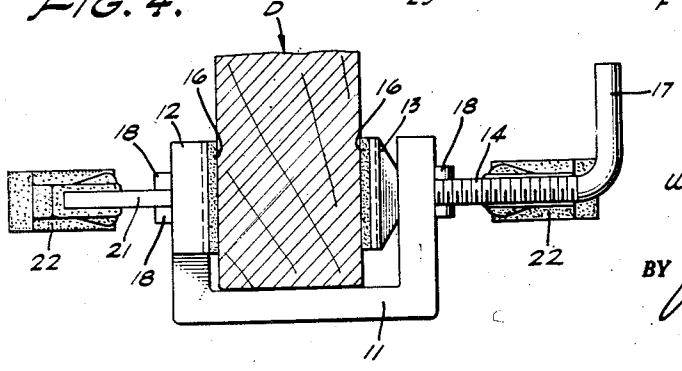


FIG. 3.

FIG. 4.



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DOOR HOLDER

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1 Claim. (Cl. 292—288)

The present invention relates to door holders in general and particularly to an improved door holder construction which is easily positioned and which positively locks the door in a selected angular position against displacement in either direction. More specifically the invention comprises a door stop embodying manually adjustable clamping means and manually positionable floor-abutting means by which the door is retained in a selected position.

In positioning and mounting doors the hinges are positioned and secured prior to hanging the door, but the installation of the door lock or latch, and sometimes the panels of the door, is delayed until the door is hung. In working on the hung door, however, it is very desirable that it remain fixed in a selected angular position so that the carpenter can devote his entire attention to the work at hand. The present door holder tool provides means by which the door can readily be positioned in a selected position and once so placed will remain there until intentionally released.

It is an object of the present invention to provide a new and improved door holder in which manually operable means are provided to clamp the holder to the door without marring and in which other means are provided to abut the floor and retain the door in a selected angular position with a wedging action.

A still further object of the invention is to provide an improved economically constructed door holder construction in which a simple bracket is fixedly clamped to the door edge by manually operable means and which carries leg elements pivoted about axes parallel to the door faces and which in their lowered floor-abutting positions wedge the door in selected angular position.

These and other more specific objects will appear upon reading the following specification and claim and upon considering in connection therewith the attached drawing to which they relate.

Referring now to the drawing in which a preferred embodiment of the invention is illustrated:

Figure 1 is a view in perspective of a door holder constructed in accordance with the present invention positioned upon a door and related as to retain it in selected angular position;

Figure 2 is a side view showing the holder clamped to the door;

Figure 3 is a section through the holder and clamped door upon the line 3—3 of Figure 2; and

Figure 4 is a section looking downwardly in the direction of the arrows upon the line 4—4 of Figure 3.

Referring again to the drawing, the lower outside corner of a door is indicated generally by the reference character D and the door holder, constructed in accordance with the present invention, is shown positioned thereon and comprises a U-shaped bracket or body **11** which encircles the outer edge of the door and extends along its side faces for a limited distance, the bracket being retained in place by door-abutting jaws **12** and **13**, the former being integral with bracket **11** while the latter

is adjustable with respect thereto being carried for relative rotation by the forward end of a screw **14** which seats threadedly in the bracket. Each of the jaws **12** and **13** is provided with a door-abutting resilient surface element **16** fixed in place in any suitable manner as by adhesive with an interfitting rib and channel relationship. As is clearly evidenced from the drawing, the door D is adapted to be clamped between the jaws **12** and **13** as the latter is advanced inwardly by the rotation of the screw **14** under the actuation of its own handle **17** formed as a right angle extension of the screw proper.

Upon the opposite sides of the U-bracket **11** are positioned downwardly extending ears **18** between each pair of which a pivot pin **19** extends parallel to the plane of the door and upon which a rigid leg member **21** is pivoted. Legs **21**, in a preferred form, have a length of about five to six inches with a knee or bevel located slightly below their mid-point so that their lower ends extend approximately vertically when their upper portions extend angularly downwardly and outwardly from a door positioned in bracket **11**. A rubber shoe **22** encloses the end of each leg with its transversely ribbed undersurface or face lying flat against the floor with the leg positioned as described. As is clearly illustrated in Figure 3, legs **21** are adapted to pivot downwardly about pins **19** and to contact the underlying floor, the surface of which is indicated by the reference character F. With the bracket **11** properly positioned upon the door its contact will be made with the legs **21** angularly disposed at approximately the angle illustrated in Figure 3 and with the bottoms of rubber shoes **22** making flat contact.

The positioning and use of the door stop constructed in accordance with the present invention is as follows. It being desired to position the lock, latch, glass panel, or to do other work upon the mounted door, the bracket **11** is clamped to the door edge in the manner illustrated in the drawing by manually rotating the screw **14** through the use of its handle **17**. The bracket **11** should be positioned above the floor surface F by a distance somewhat less than the length of the legs **21** so that with those elements pivoted downwardly they make contact with the floor while extending outwardly from the door plane at an angle. Then the user will select the door position which he desires to enable him to work on the door most conveniently and will then release the legs **21** permitting them to pivot downwardly from their upwardly extending position in which they have been held manually while the door was pivoted. A positive locking action can be obtained after lowering the legs by forcing the door slightly in one direction or the other to bind it against one of the legs and while so bound urging the other leg inwardly slightly. A slight range is permitted by the resilience of the shoes **22** and particularly their ribs **23**. In its locked position, however, the door is substantially rigidly held against displacement until the user desires to release it at which time he pivots upwardly one or both of the legs **21** following which the door can again be freely pivoted.

While the particular device herein shown and described in detail is fully capable of attaining the objects and providing the advantages hereinbefore stated, it is to be understood that it is merely illustrative of the presently preferred embodiments of the invention and that no limitations are intended to the details of construction or design herein shown other than as defined in the appended claim.

I claim:

In a door holder to hold a pivoted door against pivotal movement in either direction, a U-shaped bracket adapted to extend around the vertical edge of a door, a pair of door-contacting jaws having non-abrasive abutting surfaces of non-metallic resilient material adapted to contact

and clamp against the opposite vertical sides of said door adjacent said edge, one of said jaws being fixed on one arm of said bracket and the other of said jaws being movable with respect thereto, a rotatable screw carried by the second arm of said bracket and supporting said movable jaw for movement toward and from said door upon rotation, said screw having a handle at its end spaced from said door, a single rigid leg member pivoted to each arm of said bracket on axes located below the plane of said screw and depending therefrom on the opposite sides of said door, said leg members being pivoted about an axis extended parallel to the plane of said door and each being formed with a knee so that with its upper end extended outwardly at an angle from said door

its lower end extends more nearly perpendicularly to the floor, said legs lying in a vertical plane passing substantially through the axis of said screw and friction slide-resistant floor-contacting shoes at the lower ends of said leg members.

References Cited in the file of this patent

UNITED STATES PATENTS

1,054,386	Barton	Feb. 25, 1913
1,300,912	Yarberry	Apr. 15, 1919
1,656,394	Sasgen	Jan. 17, 1928
2,709,615	Barnes et al.	May 31, 1955