(Model.)

W. SHIPSEY.

DOOR CHECK.

No. 436,809. Patented Sept. 23, 1890.

Fig. 1.

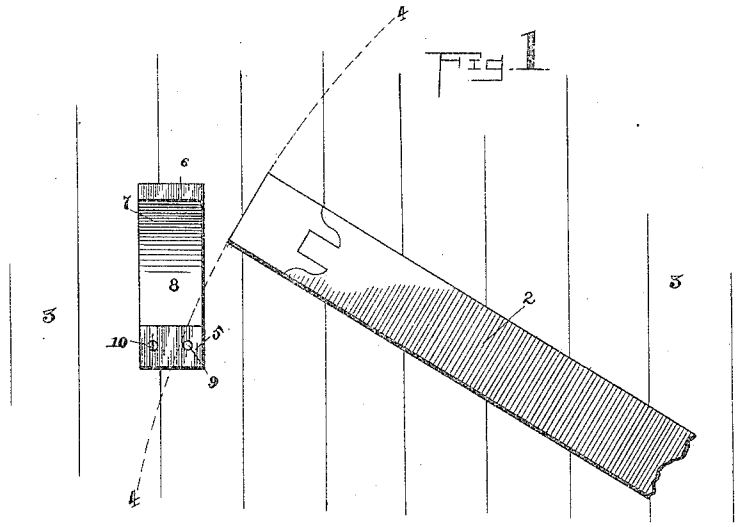


Fig. 2.

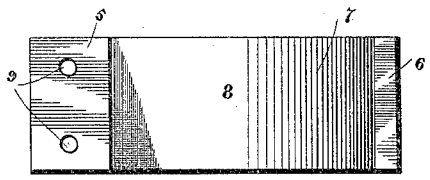
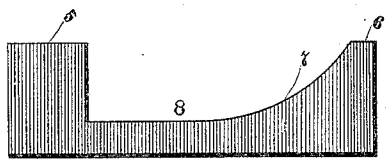


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM SHIPSEY, OF SAN LUIS OBISPO, CALIFORNIA.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 436,809, dated September 23, 1890.

Application filed March 29, 1890. Serial No. 345,922. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM SHIPSEY, a citizen of the United States, residing at San Luis Obispo, in the county of San Luis Obispo and State of California, have invented certain new and useful Improvements in Door Buffers and Holders, of which the following is a description.

This invention has relation to an improvement in door-stops of that class which are pivotally connected to the floor in the path traversed by the free end of the door, between the ends of which said door takes, thereby swinging the holder into a position in which the door is embraced loosely by the holder. By reason of the fact that the holder is swung to the embracing position it is necessary that the distance between the stops at the ends of the holder must be greater than the width of the door. Hence it follows that when the holder is in the embracing position the door is subject to short vibrations to and fro between the stops, as occasioned by the wind. By my invention I propose to avoid these disagreeable vibrations and consequent tugging of the door in its efforts to escape, so that when once fastened the door will remain in position and be noiseless.

With the above objects in view the invention consists in certain detail features hereinafter specified, and particularly pointed out in the claim.

Referring to the drawings, Figure 1 is a diagrammatic view of a door, the adjacent portion of the floor, and a stop arranged in position and constructed in accordance with my invention. Fig. 2 is a plan of the stop in detail, the same being enlarged. Fig. 3 is a side elevation.

Like numerals indicate like parts in all the figures of the drawings.

2 designates a door adapted to open in this instance to the left.

3 designates the floor over which the door travels, the line of travel being indicated by the dotted line 4.

Near the mop-board I locate the hereinafter-described and before-mentioned stop. This stop may be formed of either wood or metal, and consists of simply a block of oblong shape terminating near its ends in opposite shoulders or stops. The rear stop 5 is abrupt or at a right angle to the lower edge of the block, while the front stop 6 is gradual or provided with an inclined face 7, its upper end extending to about the central portion of the intermediate recess 8, formed by the two shoulders.

In rear of the shoulder 5 and at each side of the longitudinal center of the stop I form vertical openings 9, either one of which is adapted to receive a screw or bolt 10, the lower end of which passes into the floor. In the present instance, wherein the device is employed in connection with a door that opens to the left, the screw 10 is passed through that opening 9 located at the left of the stop. The parts being mounted in position as shown—that is, the screw 10 being inserted in the floor about on the dotted line 4—the following operation takes place: The door being opened, its advance corner rides into the recess 8 and against the free end of the shoulder 5, thus swinging the free end of the stop—that is, the shoulder 6—toward the door, so that the opposite sides of the door are embraced by the shoulders 5 and 6. The vertical shoulder 5 prevents the door from passing beyond the same, and any pressure upon the door toward said shoulder acts only to swing the stop farther around, so that the incline face 7 of the shoulder 6 takes under and binds against the edge of the door, and in this manner the door is automatically and securely wedged against any movement whatever until the same is released by an outward swing of the stop, which may be accomplished by the foot of the operator.

Having described my invention, what I claim is—

The improved door-stop herein described, the same consisting of an oblong block having a transverse recess forming opposite front and rear shoulders, the latter shoulder having an inner inclined face, said stop in rear of the rear shoulder and at each side of its longitudinal center provided with a screw-receiving opening, substantially as specified.

WM. SHIPSEY.

Witnesses:

ANDREW F. FITZGERALD,

LOUIS LAMY.