F. JASKOWIAK.

BENCH OR FLOOR DOG.

APPLICATION FILED DEC. 14, 1921.

1,422,272. Patented July 11, 1922.

Fig. 1.

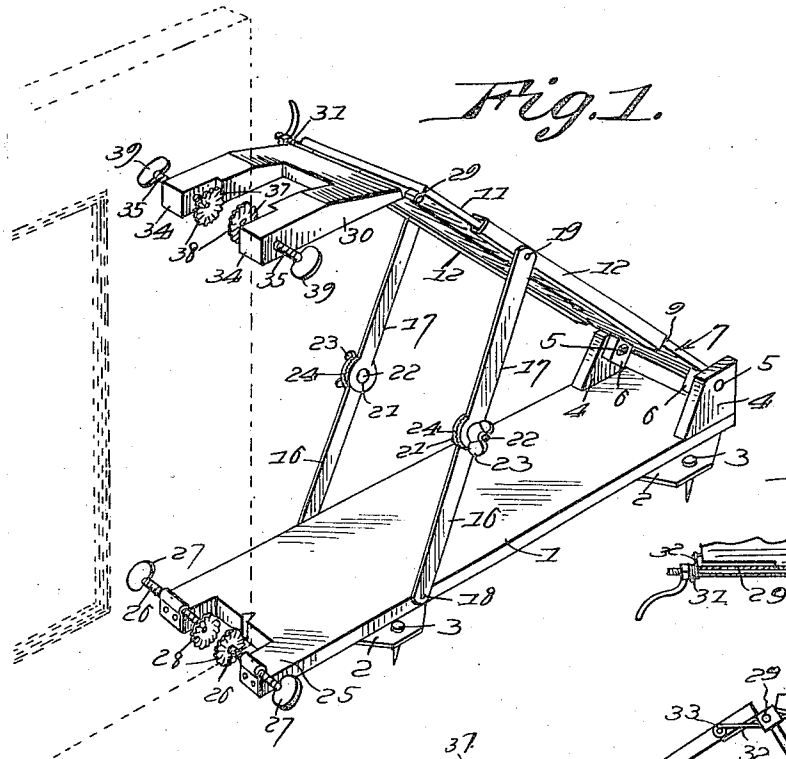
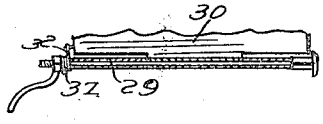


Fig. 3.



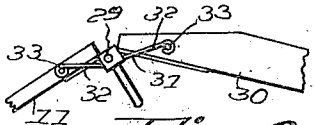


Fig. 6.

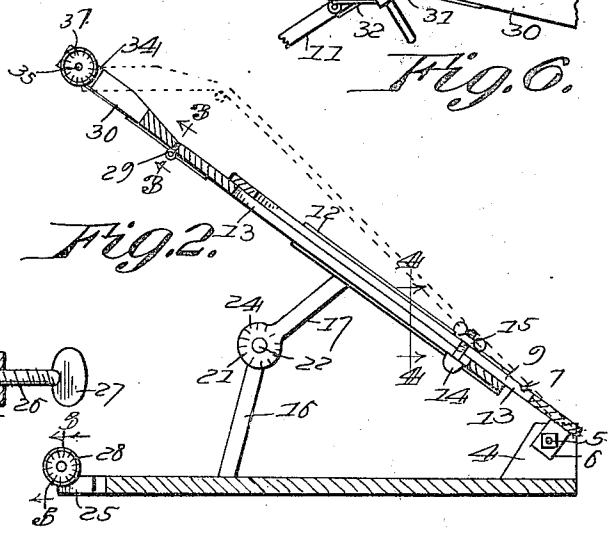


Fig. 2.

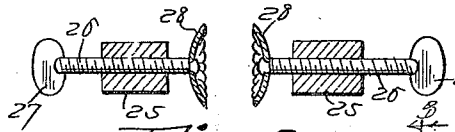


Fig. 5.

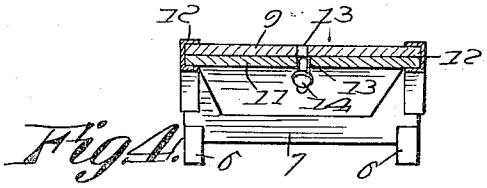


Fig. 4.

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# UNITED STATES PATENT OFFICE.

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## BENCH OR FLOOR DOG.

1,422,272. Specification of Letters Patent. Patented July 11, 1922.

Application filed December 14, 1921. Serial No. 522,330.

*To all whom it may concern:*

Be it known that I, FRANK JASKOWIAK, a citizen of the United States, residing at St. Cloud, in the county of Stearns and State of Minnesota, have invented certain new and useful Improvements in Bench or Floor Dogs, of which the following is a specification, reference being had to the accompanying drawings.

Considerable difficulty arises when hanging doors, windows and the like, due to the necessity of planing the edges of the doors or windows, which cannot be done without the use of a second workman, to hold the door or window on its edge, unless a bench is installed for the purpose. This is particularly true in the construction of new houses, as there are no benches for such use.

The invention, therefore, has for its purpose the provision of a floor or bench dog of sufficient size to be fastened to the floor and provided with clamps, to hold the door or window sash on its edge, and sufficiently rigid, to permit the carpenter to properly plane the edges of the door or window sash to make a proper fit, and to enable the hinges and locks to be applied. In fact the floor or bench dog holds the door or window sash substantially rigid, while the edge of the door is being channeled out to receive a lock, or it is to be made to receive the hinge leaves.

Another purpose consists in the provision of a floor or bench dog, consisting of a base or supporting member to be fastened to the floor or other stationary structure, and a second member pivotally mounted upon uprising supports and base member at one end, the uprising member being substantially the same as the base member, with the exception of an extension, which together with the base member are provided with clamps, to be screwed toward and in contact with the opposite faces of the door or window sash, to hold the same in position while its edge is being planed, so that the door or window will fit properly in the casement.

Still another purpose is the provision of means for holding the upwardly inclined edge in different adjusted positions, in accordance with the door or window to be supported.

A further purpose involves the constructing of the upwardly rising inclined member in two sections, one mounted in guides of the other and carrying the extension which in turn supports the upper clamps, so as to accommodate holding doors or window sashes of different sizes.

A still further purpose is the provision of means for holding one section of the upwardly inclined member in different adjusted positions relatively to the inclined section of the member.

While the design and construction at present illustrated and set forth are deemed preferable, it is obvious that as a result of a reduction of the invention to a more practical form for commercial purposes, the invention may be susceptible of changes, and the right to these changes is claimed, provided they are comprehended within the scope of what is claimed.

The invention comprises further features and combination of parts, as will be hereinafter set forth, shown in the drawings and claimed.

In the drawings:—

Figure 1 is a view in perspective showing the improved floor or bench dog constructed in accordance with the invention and arranged to support a door;

Figure 2 is a vertical sectional view, showing the upwardly inclined member of the floor or bench dog, in a lowered position, showing the sliding section extended;

Figure 3 is a sectional view on line 3—3 of Figure 2;

Figure 4 is a cross sectional view on line 4—4 of Figure 2;

Figure 5 is a cross sectional view on line 5—5 of Figure 2 through the clamps; and

Figure 6 is a detailed view in elevation of the hinge connections between the extensible section 11 and the extension 30.

Referring to the drawings, 1 designates a base member of the floor or bench dog, which may be constructed of any suitable material, and may be any suitable shape or size, and is provided with lateral ears or lugs 2 for the reception of screws or other fastening means 3, whereby the base member may be secured rigidly in position.

One end of the base member has uprising supports 4, in bearings of which fulcrum bolts 5 are mounted.

Pivotally mounted upon the fulcrum bolts

are the lugs 6 of the pivotally supported member 7, there being nuts mounted upon the bolts 5 to hold them in place.

The pivoted member 7 of the floor or bench dog comprises two sections, the main section 9 (which is pivotally supported upon the bolts) and the extensible section 11, which is mounted in guides 12 of the section 9. The two sections 9 and 11 are provided with registering elongated slots 13, which receive a bolt 14 including a wing nut 15, whereby the extensible section 11 may be extended and held in different positions.

Toggle links 16 and 17 are provided on opposite edges of the two members of the floor or bench dog. The toggle links 16 are pivotally mounted at 18 on the edges of the base member, while the toggle links 17 are pivotally connected at 19 to the edges of the pivotally supported member. The adjacent ends of the toggle links terminate in circular plates 21, which are pivotally connected by means of the bolt 22 including a wing nut 23, for holding the circular plates concentrically together, and for holding the toggle links in different adjusted positions. In fact the adjacent faces of the circular plates have radial grooves and teeth 24 to interengage, to insure holding the toggle links in different positions.

The base member of the floor or bench dog at one end is provided with spaced arms 25, in bearings of which screws 26 are mounted, and are adapted to adjust axially toward each other. These screws 26 have wing heads or thumb pieces 27, and their adjacent ends terminate in swivelly mounted plates 28, adapted to engage the opposite faces of the door or window sash, to clamp the same in place, when the screws are adjusted toward each other.

Hingedly mounted by means of an elongated bolt 29 to the section 11 is an extension 30. The bolt 29 has mounted thereon a coil spring 31, the arms 32 of which are connected at 33 to the section 11 and the extension 30, to hold the extension normally in alignment with the section 11.

The extension is provided with a pair of arms 34 in which the screws 35 are threaded for adjustment axially toward and from each other. The adjacent ends of these screws have swivelly mounted plates 37, which are radially corrugated at 38 and are adapted to engage the opposite faces of a door or the rail of a window sash, to hold the same in an upright position on its edge. The screws of the arms of the extension have thumb pieces or wing heads 39, by which the screws may be adjusted toward and from each other, to insure holding the door or window sash upright.

In the use of the floor or bench dog, the base member is first fastened to the floor, then the pivotally supported member is adjusted in its desired position. The door or window sash is then moved so that its end edge will engage between the arms of the base member and the pivotally mounted extension 30, whereupon the clamping plates of the screws are brought axially toward each other and in contact with the opposite faces of the door or sash, the screws are then tightened and the door or sash is held secure and in an upright position, after which the carpenter can proceed, without delay, to plane the edge of the door and apply the locks and hinges thereto.

The invention having been set forth, what is claimed is:—

1. In a floor or bench dog, a base member adapted to be secured to a stationary support, the opposite end of the base member having upstanding supports, a supporting member pivotally mounted upon said supports, said pivotally mounted member having a yieldably mounted extension, means for holding the pivotally mounted member in different positions pivotally relatively to the base member, the corresponding ends of the base member and the extension having axially aligned clamps, between which the door, window sash or the like may engage, whereby it may be planed.

2. In a floor or bench dog, a base member to be secured to a stationary support, a door abutment member pivotally supported upon the base member, the door abutment member having a hingedly mounted extension, said corresponding ends of the pivotally mounted extension and the base member having axially aligned clamping screws, between which the door to be planed engages, and means for holding the door abutment member in different adjusted positions.

3. In a floor or bench dog, a base member, a door abutment member pivotally mounted upon the base member, said pivotally supported member having an extensible section, an extension pivotally mounted upon the protruding end of the extensible section, the extension and the base member having axially aligned clamping screws for engagement with the opposite faces of the door or sash for holding the same perpendicularly.

4. In a floor or bench dog, a base member to be secured to the floor, of a door or abutment member pivotally supported upon the base member, said door or abutment member having an extensible section, means for holding the extensible section in different positions, said extensible section including an extension, said extension and the base member having adjustably mounted axially aligned clamping screws for engagement with the opposite faces of the door, to hold the same perpendicular while its edges are being planed.

5. In a floor or bench dog, a base member, a door abutment member pivotally support-

ed upon the base member, said abutment member including an extensible section, means for holding the extensible section in different positions, said extensible section having a pivotally yieldable extension, said extension and the base member including adjustable axially aligned clamping screws, adapted to engage the opposite faces of a door for holding the same perpendicular while its edge is being planed, and means for holding the door abutment section in different adjusted positions relatively to the base member.

In testimony whereof I hereunto affix my signature.

FRANK JASKOWIAK.