D. F. LARKIN.

CARPENTER'S BENCH STOP.

APPLICATION FILED MAR. 24, 1908.

919,732. Patented Apr. 27, 1909.

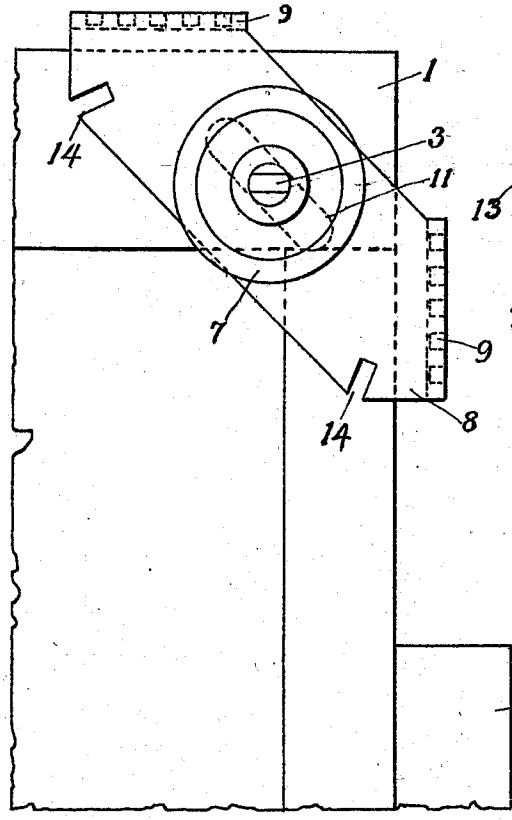


Fig. 1.

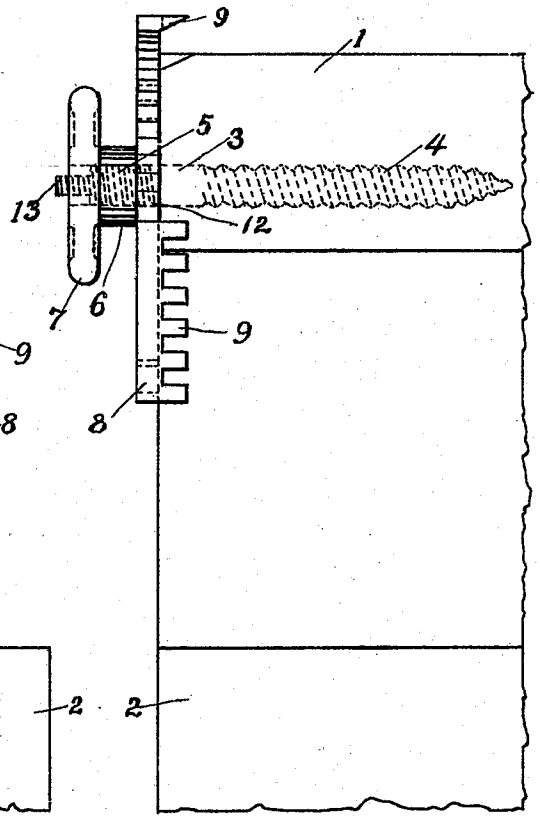


Fig. 2.

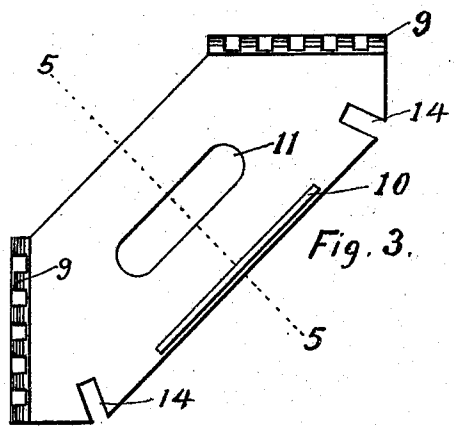


Fig. 3.

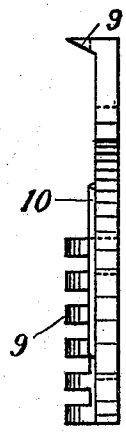


Fig. 4.

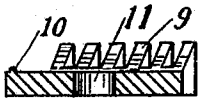


Fig. 5.

WITNESSES:

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UNITED STATES PATENT OFFICE.

DENNIS F. LARKIN, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF ONE-HALF TO D. I. WHITESIDE, OF SAN FRANCISCO, CALIFORNIA.

CARPENTER'S BENCH-STOP.

No. 919,732. Specification of Letters Patent. Patented April 27, 1909.

Application filed March 24, 1908. Serial No. 423,050.

To all whom it may concern:

Be it known that I, DENNIS F. LARKIN, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented new and useful Improvements in Carpenters' Bench-Stops, of which the following is a specification.

The present invention relates to an improved carpenter's bench stop, the object of the invention being to provide an instrument of this character which will be simple in construction, which can be readily removed when not in use, which will be more convenient and rapid in operation than devices of this character at present in use, which can be used as a stop for a board either laid on the top of the bench or placed on its edge at the front side of the bench, and which may be quickly adjusted to vary the distance between the stop and the bench.

In the accompanying drawing, Figure 1 is a broken end view of the bench equipped with my improved stop; Fig. 2 is a broken front view of the same; Fig. 3 is an inside view of the stop plate; Fig. 4 is an edge view of the same; Fig. 5 is a section on the line 5—5 of Fig. 3.

Referring to the drawing, 1 indicates a carpenter's bench, having secured upon the front side thereof, a board 2 to form a rest upon which to place the lower edge of a board when it is desired to plane or otherwise operate upon the upper edge thereof.

3 indicates a screw which is formed at its inner end with a coarse thread or lag screw 4, by means of which it can be screwed into, and held firmly in, the bench, and also formed at its outer end with a fine thread 5, upon which can turn a clamping nut 6, upon which is formed a hand wheel 7.

8 indicates a stop plate, which, in use, extends in a general oblique direction, and has at each end a series of teeth 9 adapted to engage the end of a board upon which the work is to be done. The two series are formed at right angles to each other, but oblique to the general direction of the stop plate, so that when the stop is in position one of said series of teeth will be horizontal and the other vertical. Said stop plate is also formed with a rib 10 to engage the end of the bench and with a central slot 11 parallel with the rib 10 through which slot passes the shank 12 of the screw.

In use the screw is first screwed into the bench, and for this purpose the outer end of the screw is formed with two flat sides as shown at 13, the edge of the stop plate is formed with recesses 14, either of which can be passed over said flat portion of the screw, so that the stop plate can be used as a wrench to turn the screw to screw it into the wood, said nut being provided with a hand wheel to provide greater leverage. After the screw has been screwed into position, the nut 6 is screwed upon the outer end of the screw to clamp the stop plate in any desired position.

In the ordinary carpenter's bench stop, when it is desired to adjust the same for operation, it is necessary to use a screw driver to turn the screw which secures the stop to the bench, and this necessitates the finding and picking up of another instrument.

My improved bench stop is always in position ready for use, and all that is necessary is to turn the hand wheel to loosen the bench stop and then to secure it again in its adjusted position.

The bench stop and clamping nut can quickly be removed for safe keeping when not required to be used.

I do not claim herein broadly a plate having short and long parallel edges and having, at each end, a series of teeth projecting at right angles thereto, the series being at right angles to each other but oblique to said edges, and means for securing such a plate to a bench, as this construction forms the subject of a separate application now pending, filed December 9, 1908.

I claim:—

1. A bench stop comprising a plate having, at each end, a series of teeth for engaging an end of a board, said series being formed at right angles to each other, but oblique to the general direction of the plate, and a device for securing said plate to the bench, said plate being provided with means for permitting its adjustment upon said securing device longitudinally of the general direction of the plate, and obliquely relatively to each series of teeth, substantially as described.

2. A bench stop comprising a slotted plate having at each end a series of teeth in a plane each at right angles to the plane of the plate, and each at right angles to the other, and a device passing through said slot and adapted

to secure said plate to the bench, substantially as described.

3. A bench stop comprising a plate having formed at each end a series of teeth extending in a plane at right angles to the plane of the plate, means for securing said plate in contact with the end of the bench, each series of teeth extending obliquely to the general direction of the plate, whereby, when said plate is so secured diagonally across the end of the bench, one of said series may be parallel with, and adjacent, to the top of the bench, and the other series parallel with, and adjacent to, the side of the bench, substantially as described.

4. A bench stop comprising a plate having formed at each end a series of teeth extending in a plane at right angles to the plane of the plate, means for securing said plate in contact with the end of the bench, each series of teeth extending obliquely to the general direction of the plate, whereby, when said plate is so secured diagonally across the end of the bench, one of said series may be parallel with, and adjacent to, the side of the bench, and means for permitting the adjustment of said plate while maintaining said teeth so parallel, substantially as described.

5. A bench stop comprising a plate having a longitudinal slot, and oblique ends, a series of teeth extending from each end of the plate in a plane at right angles to the plane of the plate, and a securing device adapted to pass through said slot for securing said plate to the bench, substantially as described.

6. A bench stop comprising a plate having oblique ends, a longitudinal slot, a rib parallel with said slot, and adapted to engage the end of a bench, a series of teeth extending from each end of the plate in a plane at right angles to the plane of the plate, and a securing device adapted to pass through said slot for securing said plate to the bench, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

DENNIS F. LARKIN.

Witnesses:
DONALD I. WHITESIDE,
ANNE F. HASTY.