H. BALLANTYNE.

WORK BENCH.

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1,284,170. Patented Nov. 5, 1918.

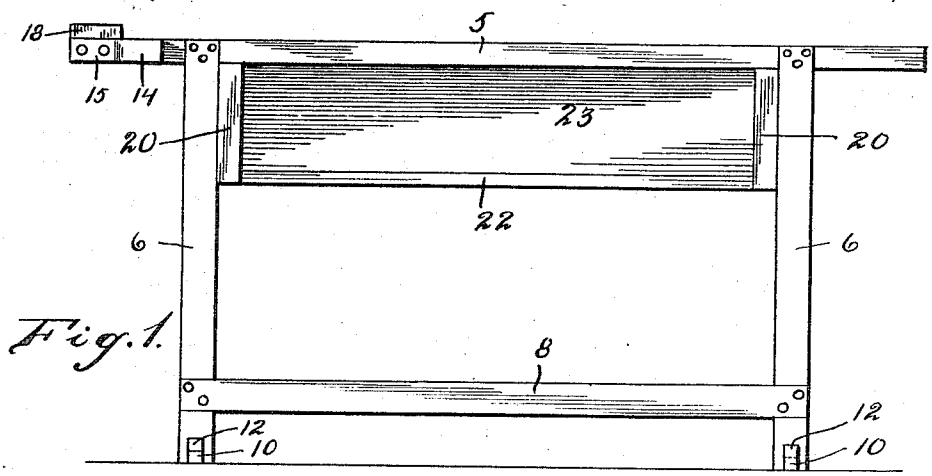


Fig. 1.

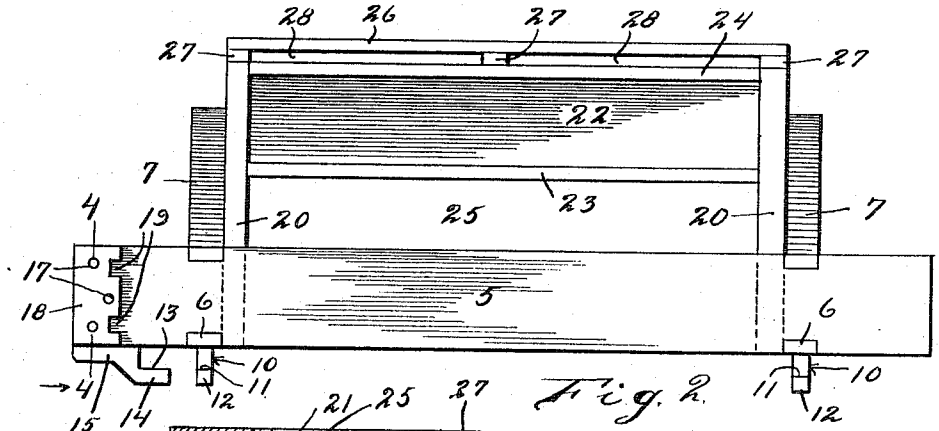


Fig. 2.

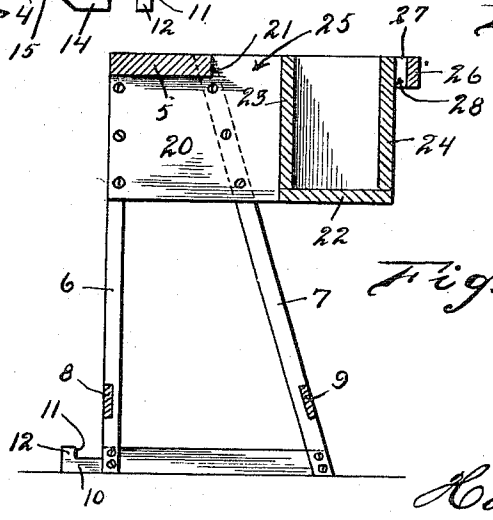


Fig. 3.

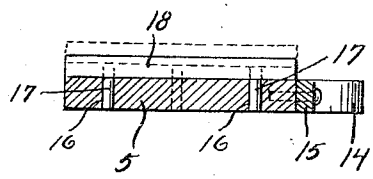


Fig. 4.

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WORK-BENCH.

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To all whom it may concern:

Be it known that I, HOMER BALLANTYNE, a citizen of the United States, residing at Marion, in the county of Marion and State of Ohio, have invented certain new and useful Improvements in Work-Benches, of which the following is a specification.

This invention relates to work benches adapted for carpenters' use and has for its object the provision of a work bench especially adapted for holding doors and similar articles in proper position while they are being treated or trimmed and to that end provided with means whereby the door, or the like, may be held in a vertical position for edge treatment, laid flat for planing, and supported flat whereby it may be ripped or sawed cross-wise, the bench being specially constructed to permit the passage of saws therethrough.

An important object of the invention is the provision of a bench of this character having its main portion carrying supporting arms or bars to which is secured a tool receptacle spaced in relation to the bench proper, flush with the top thereof and cooperating therewith to form a support for a door being ripped.

Further objects and advantages such as simplicity, comparative cheapness, efficiency and durability will be made apparent during the course of the following description, accompanied by drawings, wherein:

Figure 1 is a front elevation,

Fig. 2 is a top plan view,

Fig. 3 is a cross sectional view, and

Fig. 4 is a detail view on the line 4—4 of Fig. 2.

Referring more particularly to the drawings, the numeral 5 designates the main platform of my bench which may be of any suitable size or proportions and which may be constructed of wood or metal, as preferred. Mortised into the forward edge of the platform 5 are the vertical front legs 6 and similarly mortised into the rear edge are the inclined rear legs 7. The pairs of front and rear legs are connected by bracing strips 8 and 9, respectively. The front and rear legs are connected with each other by bars 10 mortised into the lower ends of the legs. The ends of the bars 10 project beyond the forward legs 6 and are notched as shown at 11 to provide projections 12 cooperating with a notch 13 and offset projection 14 on a member 15 secured upon the forward edge of the platform 5 adjacent one end, whereby a door or other article being worked upon may be supported upon its edge and held against displacement.

Adjacent one end, the platform 5 is provided with a plurality of vertical holes 16 slidably but snugly receiving pins 17 extending from the lower side of a vertically adjustable stop 18 used when holding boards or the like for planing. The stop 18 is notched at 19 for engagement therewith of boards disposed upon edge.

Secured against the inner sides of the rear legs 7 immediately below the platform 5 are spaced rearwardly extending horizontal bars 20 which are mortised as shown at 21 for the reception of the platform whereby the upper edges of the bars will be flush with the top of the platform. Secured between the rear ends of the bars 20 is a tool receptacle or trough comprising the horizontal bottom 22 and the vertical front and rear walls 23 and 24 terminating flush with the top of the platform and bars. The forward wall 23 of the tool trough is spaced from the rear edge of the platform 5 to provide a space 25 which permits a door or other article to be ripped or otherwise sawed while lying flat upon the platform and the tops of the bars and trough, the trough coöperating with the platform for providing a support.

As an added convenience I dispose a strip 26 rearwardly of the rear wall of the tool receptacle and spaced therefrom by a plurality of interposed blocks 27, fastening members passing through the strip, the blocks and into the rear ends of the bars 20. This construction provides a slot 28 well adapted for the insertion of saws or similar thin bladed tools whereby they may be held in a convenient manner.

From the foregoing description and a study of the drawings it will be apparent that I have thus provided a bench which may be used for all the purposes for which an ordinary bench is used and which is further adapted for supporting doors, shutters, window sash, boards or anything of a similar nature in a vertical position for edge treatment, in a horizontal position for planing and particularly whereby the article may be properly supported while being sawed, especially ripped.

It will be of course understood that I reserve the right to add such braces as the

exigencies of any specific work may require, and to make such changes in the proportion and size of parts as will not depart from the spirit of the invention and the scope of the claims.

Having thus described my invention, what I claim is:

1. A work bench comprising front and rear supporting legs, a platform secured thereon, transverse bars connecting said legs in pairs at their lower ends and extending beyond the forward legs, said projecting ends being provided with notches, and a forwardly extending member secured upon the forward edge of said platform adjacent one end thereof and notched upon its inner side in vertical alinement with and coöperating with said first named notches for retaining in vertical position an article engaged within said notches.

2. A work bench comprising a main supporting platform, spaced parallel arms associated rigidly therewith, and a receptacle secured between said arms and spaced from the adjacent edge of said platform whereby to provide an open space.

3. A work bench comprising supporting legs, a horizontal platform secured thereon, spaced parallel horizontal arms secured to said legs and projecting beyond the rear edge of said platform, and a casing secured between the outer ends of said arms and spaced from the rear edge of said platform to provide a space, the top edges of said arms and said casing being flush with the top of said platform and coöperating therewith to form a purely horizontal support having a central open portion.

In testimony whereof I hereto affix my signature.

HOMER BALLANTYNE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."