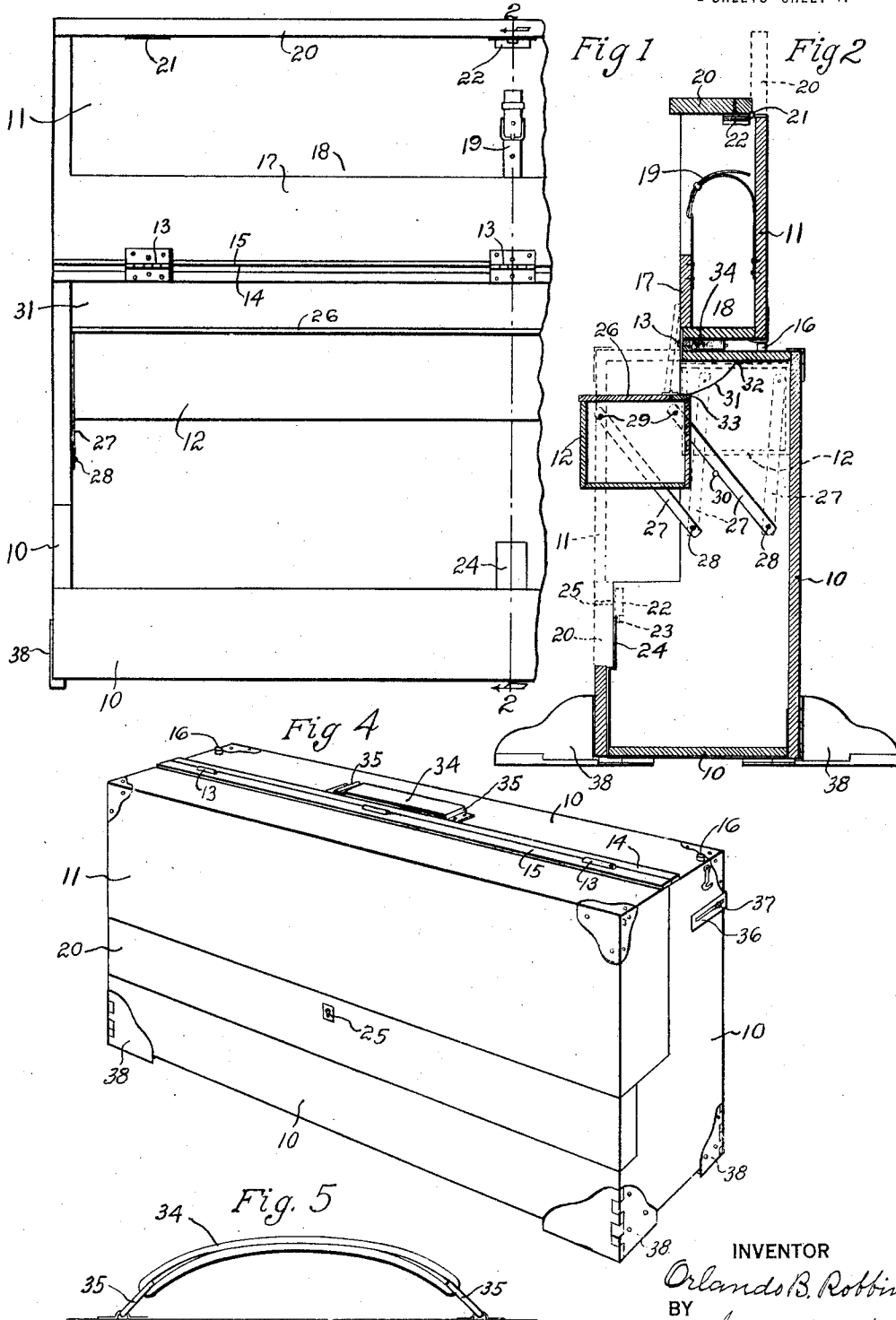


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APPLICATION FILED JAN. 13, 1920.

1,345,247.

Patented June 29, 1920.

2 SHEETS—SHEET 1.



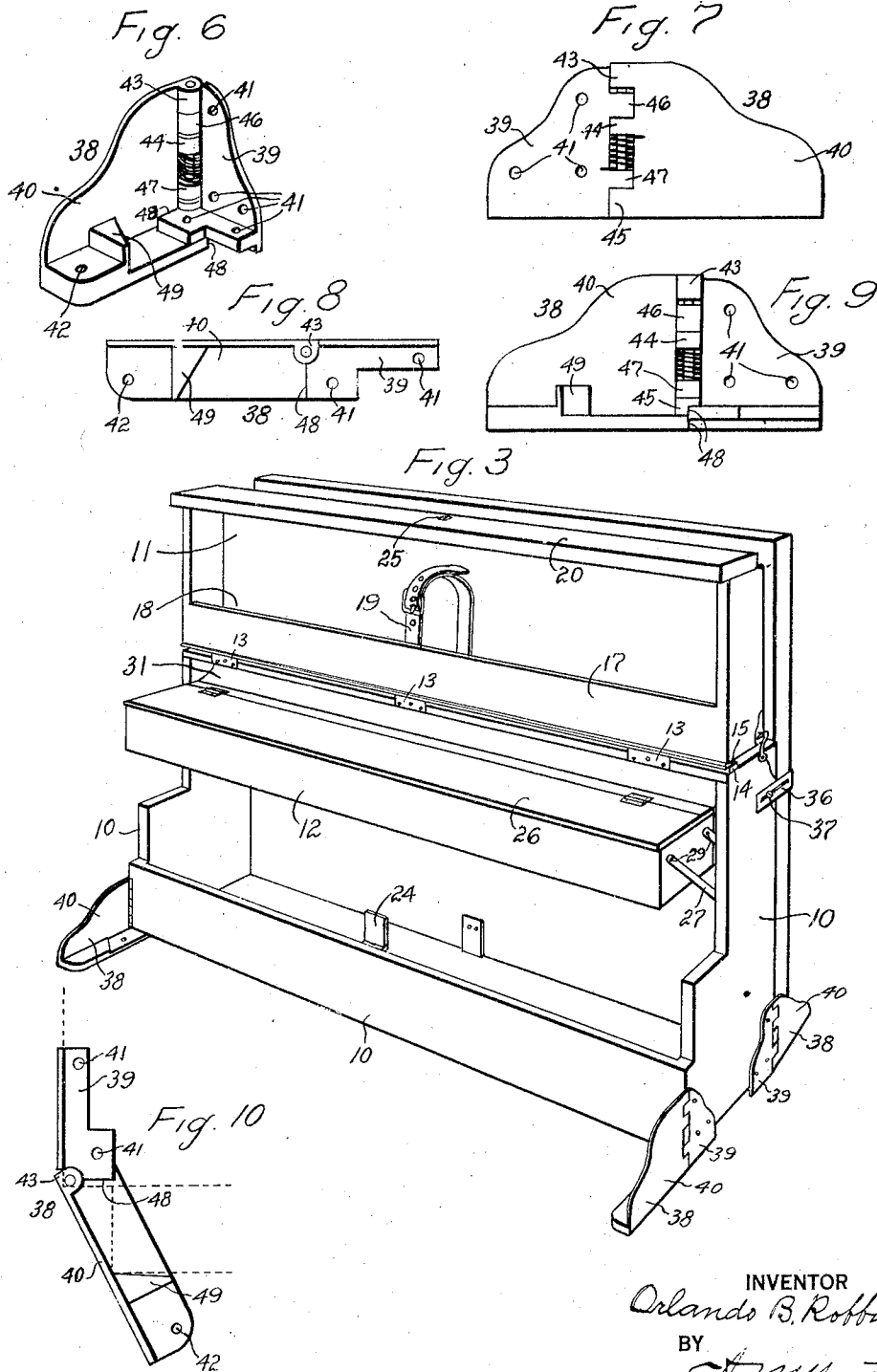
INVENTOR
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BY
A. M. Wooster
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UNITED STATES PATENT OFFICE.

ORLANDO B. ROBBINS, OF BRIDGEPORT, CONNECTICUT.

COMBINATION TOOL-BOX AND SAWHORSE.

1,345,247.

Specification of Letters Patent. Patented June 29, 1920.

Application filed January 13, 1920. Serial No. 351,233.

To all whom it may concern:

Be it known that I, ORLANDO B. ROBBINS, a citizen of the United States, residing at 1083 Pembroke St., Bridgeport, county of Fairfield, State of Connecticut, have invented an Improvement in Combination Tool-Boxes and Sawhorses, of which the following is a specification.

The object of the present invention is to produce an improved combination tool box and saw horse which will be simple in construction, compact in arrangement, and satisfactory in use. The term saw horse as used throughout this specification refers to a device used by carpenters, or other mechanics, when sawing, planing or finishing doors or other pieces of work.

With the above and other objects in view, the invention comprises the construction, arrangement and combination of parts as now to be described and hereinafter specifically claimed.

In the accompanying drawing forming a part of this specification,

Figure 1 is a fragmentary elevation of a portion of the box of the invention in its open position as when used as a saw horse;

Fig. 2 a sectional view on line 2—2 in Fig. 1, looking in the direction of the arrows, and showing in dotted lines, the box as it appears when closed;

Fig. 3 is a perspective view of the box with its parts arranged as in Figs. 1 and 2, and showing a door or other piece of work in position to be worked upon;

Fig. 4 a perspective view of the box as it appears when closed;

Fig. 5 a detail view, on an enlarged scale, of the handle for carrying the box; and

Figs. 6, 7, 8, 9 and 10 are detail views, on an enlarged scale, showing the structure of the brackets which support the box when used as a saw horse and which serve as metal corners for the box when it is closed.

10 denotes the body, 11 the lid, and 12 the till of the box. The lid is hinged to the body as indicated at 13. The body has attached to it a strip 14 of metal and the lid carries a similar strip 15, as more clearly shown in Fig. 4. The strips of metal are adapted to rest one upon the other when the box is open, as in Fig. 2, and to have their adjacent edges overlap when the box is closed, as in Fig. 4. 16 denotes metal pins which assist in supporting the lid when the box is open, and the lid is held in its raised

position in any desired manner. As shown, it is so held by hooks and staples. As is disclosed in Figs. 2 and 3, the lid is supplied with a cut away wall 17 which provides it with a compartment, indicated at 18, for carrying tools which are to be used when the box is open. At 19 is represented an adjustable strap for strapping tools in the lid when the box is closed, as will be readily understood. A portion of the lid is adapted to be let down when the box is open to form a bench, indicated at 20, and for this purpose hinges 21 are provided. The ends of the bench are supported by the end pieces of the lid, as is clearly shown in Figs. 1 and 3, and on the bench is arranged a lock 22 provided with a bolt 23. On the inside of the front portion of the box is a metal strap 24 and the bolt is arranged to pass back of this when the lid is closed and locked. At 25 in Fig. 4 is shown the key hole of the lock.

The till is provided with a lid 26 and is supported in the top of the box by strips of metal. The strips are pivotally attached to the box, as shown at 28, and to the ends of the till, as shown at 29. At each of its ends the box carries a pin 30, and extending the full length of the till is a strip of canvas or other suitable material, which has its opposite edges 32 and 33 attached to the box and till, respectively, as shown. The till is thus adapted to be swung out of the box and to be supported in its swung out position both by the strip of canvas or other material and the engagement of a metal strip at each end of the till with a pin 30, as is clearly shown in Fig. 2. The till, when swung out, is so located that tools carried therein may be conveniently procured. The lid on the till prevents saw dust, shavings and the like from entering the till, and the strip of canvas or other material likewise protects the box.

The handle consists of a continuous strip of leather 34 carried by metal loops 35 attached to the box. To position the handle close to the box as it is shown in Fig. 4, so that it will not obstruct the lid when the box is open, the metal loops are slid in the continuous strip, as will be readily understood.

At 36 is represented a strip of angle iron which is adjustably held to the box by a set screw 37. The angle iron is adapted to assist in holding to the box the door or other

piece of work being worked upon. When not in use it may be placed close to the box, as it is shown in Fig. 4.

On the corners of the base of the box are
5 metal brackets 38, each of which is adapted to be opened out to better support the box when used as a saw horse, as shown in Figs. 2 and 3, or to be closed against the box to serve as metal corners therefor, as shown in
10 Fig. 4. Each bracket consists of a short and a long L-shaped arm represented at 39 and 40, respectively, which are hinged together. The short L-shaped arms are nailed to the box, and have holes 41 for that purpose. In
15 each of the long L-shaped arms is a hole 42 through which a nail may be inserted and driven into the floor. As more clearly shown in Figs. 6, 7 and 9, each long arm is provided with perforated extensions, represented at 43, 44 and 45, which are spaced
20 apart as shown, and each short arm has similar extensions, represented at 46 and 47, and also spaced apart as shown. To connect the arms, the perforated extensions are placed in alinement and a pin is passed
25 through all of the extensions. The opposite ends of the pin are fastened in extensions 43 and 45, respectively. The short arm is arranged to slide up and down on the pin and with respect to the long arm, and to accomplish this result, extensions 43 and 44, and
30 44 and 45 are spaced farther apart than the width of each of extensions 46 and 47. On the pin and between extensions 44 and 47 is a coil spring which has its ends attached to the short and long arm, respectively. The spring is arranged to normally hold the short arm in its lower position with respect to the long arm and to swing the arms to the closed position of the bracket. When the
40 bracket is opened, the spring forces the short arm to its lower position with respect to the long arm. In this position of the L-shaped arms, ends 48 of the lower portions thereof engage each other and hold the bracket open against the closing action of the spring. When now it is desired to close the bracket, the short arm is forced to slide up on the rod until ends 48 are disengaged. The spring
50 will then swing the arms to the closed position of the bracket. When the bracket is closed, the lower portions of the arms overlap, as shown, and hold the short arm in its raised position with respect to the long arm. As more clearly shown in Figs. 6 to 10, inclusive, the lower portion of the long arm of one of the brackets is provided with an up-
55 standing lug 49 adapted, with the assistance of the angle iron heretofore described, to hold to the box the door or other piece of work being worked upon. The door or other
60 piece of work is positioned so that one of its ends is engaged by the angle iron and the

lug. In Fig. 3 is shown the engagement which the angle iron has with the door or
65 other piece of work and in Fig. 10 the manner in which the lug holds the door or other piece of work is shown. A nail is placed in hole 42 and driven into the floor. It will be apparent that the long arm may be placed
70 in any desired position before it is fastened. In using the box as a saw horse, the bracket directly below the angle iron is the one which carries the lug. The bracket which is not shown in Fig. 3 may be closed so as to
75 be out of the way of the door or piece of work being worked upon.

What I desire to claim is:

1. A combination tool box and saw horse, comprising a box having a lid which is
80 adapted to be raised to be used as a saw horse and to be lowered to close said box, the front wall of said lid being provided with a hinged portion adapted to aline with said front wall when the box is closed
85 and to be perpendicular to said front wall when said lid is in its raised position, whereby said lid forms the work bench of said saw horse.

2. A combination tool box and saw horse, comprising a box having a lid the front wall of which carries a hinged portion, said
90 hinged portion being adapted to aline with said front wall when said lid is lowered and to be perpendicular to said front wall when said lid is elevated, whereby said hinged
95 portion may form a portion of the front wall of said box when said lid is lowered, and may rest against the base of said lid to provide a work bench when said lid is raised. 100

3. A combination tool box and saw horse, comprising a box having a lid which may be raised to form a work bench, and having at the corners of its base a plurality of hinge
105 members, said hinge members adapted to be closed to serve as metal corners for said box when said lid is in its closing position on said box and to be open to serve as brackets for said box when said lid is raised and in position to be used as a work bench. 110

4. A combination tool box and saw horse, comprising a box having a lid which may be raised to form a work bench, and having at the corners of its base a plurality of hinge
115 members, said hinge members adapted to be closed to serve as metal corners for said box when said lid is in its closing position on said box and to be open to serve as brackets for said box when said lid is raised and in position to be used as a work bench, and one
120 of said brackets carrying a lug which is adapted to cooperate with an adjustable angle iron carried by said box to hold to the box an article being worked upon.

In testimony whereof I affix my signature. 125

ORLANDO B. ROBBINS.