Sept. 16, 1952 W. FLEMING 2,610,761

PLUMBER'S UTILITY CHEST AND PIPE BENCH

Filed Jan. 21, 1949 2 SHEETS—SHEET 1

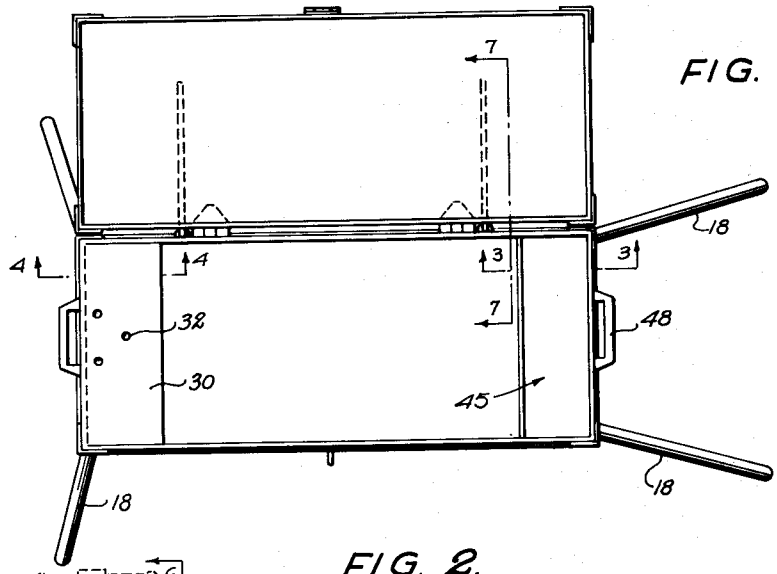


FIG. 1.

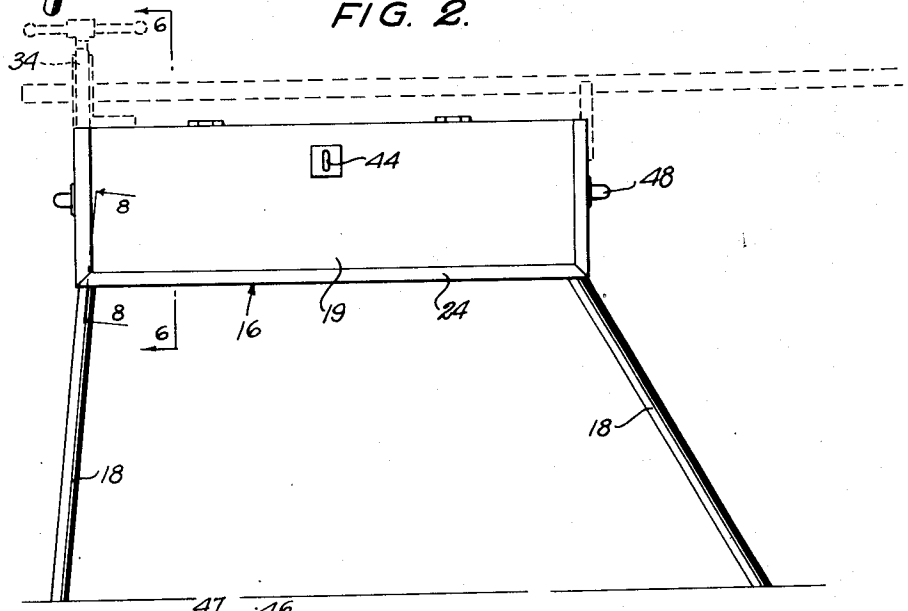


FIG. 2.

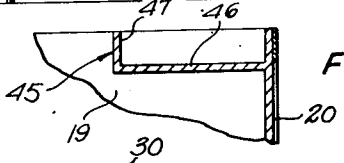


FIG. 3.

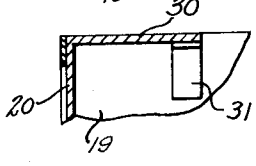


FIG. 4.

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FIG. 5.

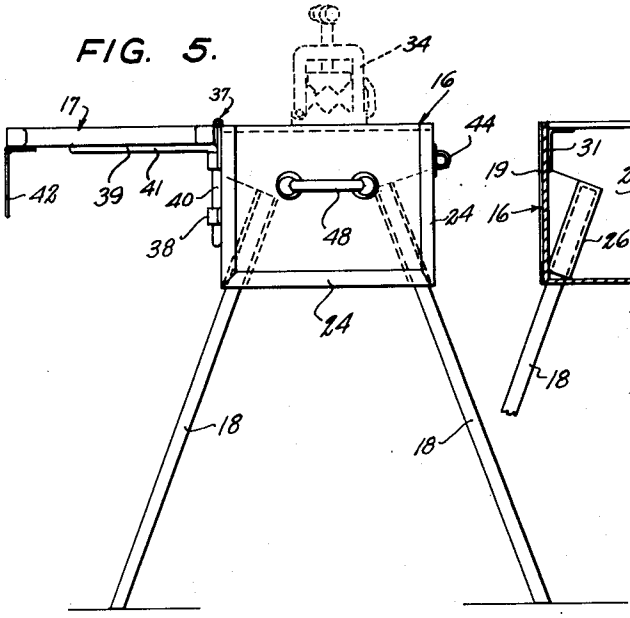


FIG. 6.

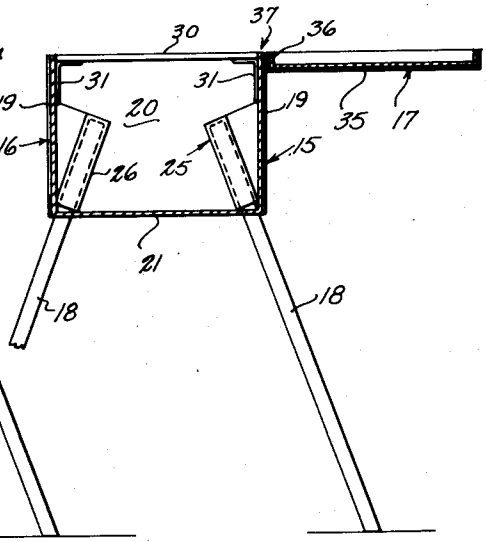


FIG. 7.

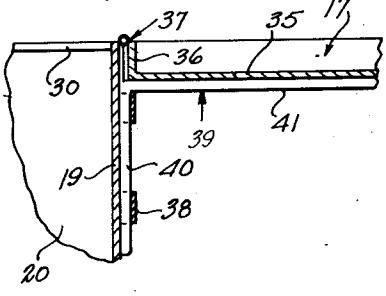
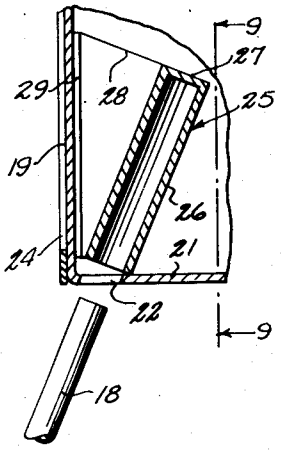


FIG. 8.



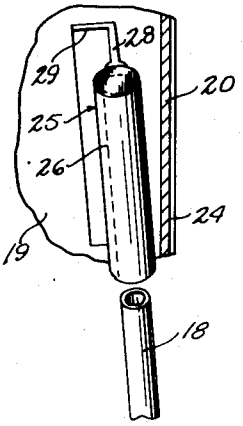


FIG. 9.

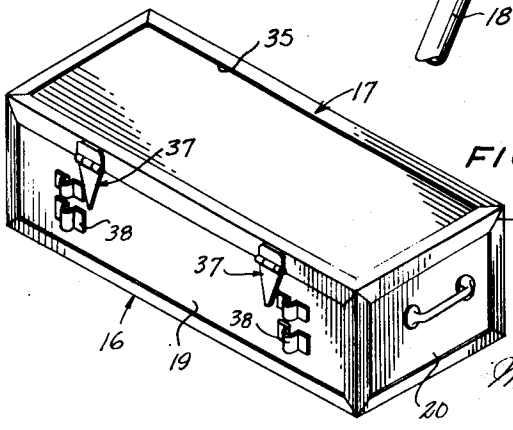


FIG. 10.

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Patented Sept. 16, 1952 2,610,761

UNITED STATES PATENT OFFICE

2,610,761

PLUMBER'S UTILITY CHEST AND PIPE BENCH

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Application January 21, 1949, Serial No. 71,779

1 Claim. (Cl. 220—32)

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This invention relates to a plumber's utility chest and pipe bench and more particularly to a plumber's chest which is formed for use as a pipe bench in an open and supported position.

It is an object of this invention to provide a chest of the kind to be more particularly described hereinafter having tubular guide members secured in the corners thereof within which supporting legs of pipes may be slidably engaged for supporting the chest in the manner of a bench.

Another object of this invention is to provide a chest of this kind having supporting standards readily removable and engageable with the tool box and means carried by the tool box and closure for supporting vises or other plumbing tools.

Still another object of this invention is to provide a plumber's chest having swingable and removable means carried by the box for rigidly supporting the closure in a horizontal open position.

With the above and other objects in view, my invention consists in the arrangement, combination and details of construction disclosed in the drawings and specification, and then more particularly pointed out in the appended claim.

In the drawings:

Figure 1 is a top plan view of a tool bench and chest constructed according to an embodiment of my invention.

Figure 2 is a side elevation thereof.

Figure 3 is a fragmentary detail section taken on the line 3—3 of Figure 1.

Figure 4 is a fragmentary detail section taken on the line 4—4 of Figure 1.

Figure 5 is an end elevation.

Figure 6 is a transverse section taken on the line 6—6 of Figure 2.

Figure 7 is a fragmentary detail section, partly broken away, taken on the line 7—7 of Figure 1.

Figure 8 is a fragmentary detail section, partly broken away, taken on the line 8—8 of Figure 2.

Figure 9 is a fragmentary section taken on the line 9—9 of Figure 8.

Figure 10 is a perspective view of the chest in the closed position.

Referring to the drawings, the numeral 15 designates generally a plumber's utility chest and pipe bench constructed according to an embodiment of my invention. The chest and pipe bench 15 is formed of a receptacle 16 having a hinged closure 17 mounted on the upper open end thereof. Supporting legs 18, which may be formed of lengths of pipe or the like, engaged through the

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bottom of the receptacle 16 for supporting the receptacle in the manner of a pipe bench.

The receptacle 16 is formed with longitudinal side walls 19 and end walls 20. A bottom wall 21 is fixed on the lower end of the side and end walls to provide a bottom for the chest, and the bottom wall 21 is formed with an opening 22 in each of the corners of the chest. The bottom wall 21 and side walls 19 are connected together and to the end walls 20 by suitable angle braces 24.

Socket members 25 are fixed within the receptacle or chest 16 for supporting the legs 18. The socket members 25 are formed with an elongated tubular socket 26 open at the bottom end thereof and having a top wall 27. The top wall 27 closes the upper end of the socket or sleeve 26, and provides an abutment for the upper end of the pipes 18 when they are engaged through the openings 22 and within the socket 26 for supporting the chest 16. A plate 28 is fixed to one side of the sleeve 26 and is formed with a right angularly related flange 29 on the end thereof. The flange 29 is adapted to be secured to the side walls 19 of the receptacle 16 for securing the socket member 26 within the box.

An inwardly extending horizontal wall 30 is carried by the side walls 19 and one end wall 20, at one end of the box 16. The horizontal supporting wall 30 is secured within the receptacle 16 by angle braces 31 which are fixed to the side walls 19 and have one arm extending inwardly for supporting the lower side of the plate 30. The top surface of the plate 30 is in substantial planar alignment with the upper ends of the side walls 19 and one end wall 20. The plate 30 is formed with openings 32 therein through which bolts may be extended for securing a vise, 34, noted in dotted lines in Figures 2 and 5 of the drawings. The vise is removably supported on the plate 30 and extends upwardly from the upper end of the chest 16 when the closure 17 is in the open position, and the vise 34 may be removed from the plate 30 to be contained within the receptacle 16 while moving the chest from one place to another.

The closure 17 is formed with a horizontal top wall 35 having a depending flange 36 about the periphery thereof. In the normal closed position of the closure 17, the lower edge of the flanges 36 will abut the upper end of the walls 19 and 20, so that the horizontal top plate will be in horizontal position and spaced slightly upwardly from the upper end of the chest 16. In the open position of the closure 17, the flanges

36 will extend upwardly from the horizontal plate 35 to provide a sort of tray, on which the portable tools used by the plumber may be supported.

Hinges 37 swingably support the closure 17 on one side wall of the chest 16. One leaf of the hinge 37 is fixed to the flange 36 of the closure 17, and the other leaf of the hinge 37 is fixed to the upper edge of one of the side walls 19.

Pairs of vertically aligned bearing brackets 38 are carried by the side wall 19 on which the hinges 37 are supported. The bearing brackets 38 are longitudinally spaced apart on the wall 19 and open at the upper and lower ends thereof. An L-shaped supporting member 39 is removably and swingably supported within the bearing brackets 38 for supporting the closure 17 in its opened position. The closure supporting members 39 include a vertical arm 40 rotatable in the bearing brackets 38 and slidable therefrom. A horizontal arm 41 fixed to or formed integral with the upper end of the vertical arm 40 is swingable to an outwardly extending position, relative to the chest 16, and abuts the top surface of the top wall 35 in its inverted position, when the closure 17 is opened from the receptacle 16. When the closure 17 is in its closed position relative to the chest 16, the supporting members 39 may be removed from the bearing brackets 38 and disposed within the chest. A hasp 42 is carried by the other edge of the closure 17 and engages a loop 44 fixed on the other side wall 19. The hasp, engageable with the loop 44, provides means for engagement of a lock for securing the box 16 in a closed and locked position.

In the use of the utility chest and pipe bench 15, supporting tubular legs or pipes 18 will be initially engaged through the openings 22 in the bottom wall 21 of the receptacle 16, until the upper end of the legs 18 abuts the lower surface of the wall 27 on each of the cylindrical sockets 26. The legs 18 at one end of the chest 16 may be disposed in a substantially vertical relation to the end walls 20, while the legs at the other end of the chest may be disposed at a greater angle relative to the vertical plane of the end walls, to provide a more substantial support for the tool box 16 and articles supported within the

vise 34, while these articles, as lengths of pipe, are being worked upon by the plumber. While the inverted closure will provide a supporting tray for tools being used by the plumber, an additional tray as 45 may be formed within the receptacle. The tray 45 will include a horizontal wall 46 fixed between the side walls 19, and engaging one of the end walls 20 below the upper end. A vertically extending wall 47 is fixed on the free end of the horizontal wall 46 for completing the tray 45 within the receptacle 16.

Handles 48 are fixed to or carried by the end walls 20 to provide means for carrying the utility chest and pipe bench in its closed position, with the supporting legs 18 removed.

I claim:

A tool bench and chest comprising a rectangular receptacle open at the top, a closure for said receptacle, a depending peripheral flange on said closure engageable with the upper edge of said receptacle, a pair of hinges carried by said flange and one wall of said receptacle, hingedly supporting said closure for swinging to an inverted, horizontal open position, pairs of bearing brackets fixed on said one wall, the brackets of each pair being vertically spaced and having vertically aligned apertures therethrough, inverted L-shaped closure supporting arms, one leg of each supporting arm being slidably and swingably engageable in said vertically aligned apertures of said brackets for supporting the closure in said inverted, horizontal open position, an inwardly extending horizontal plate in said receptacle at each end thereof.

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