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REVOLVING TOOL CHEST

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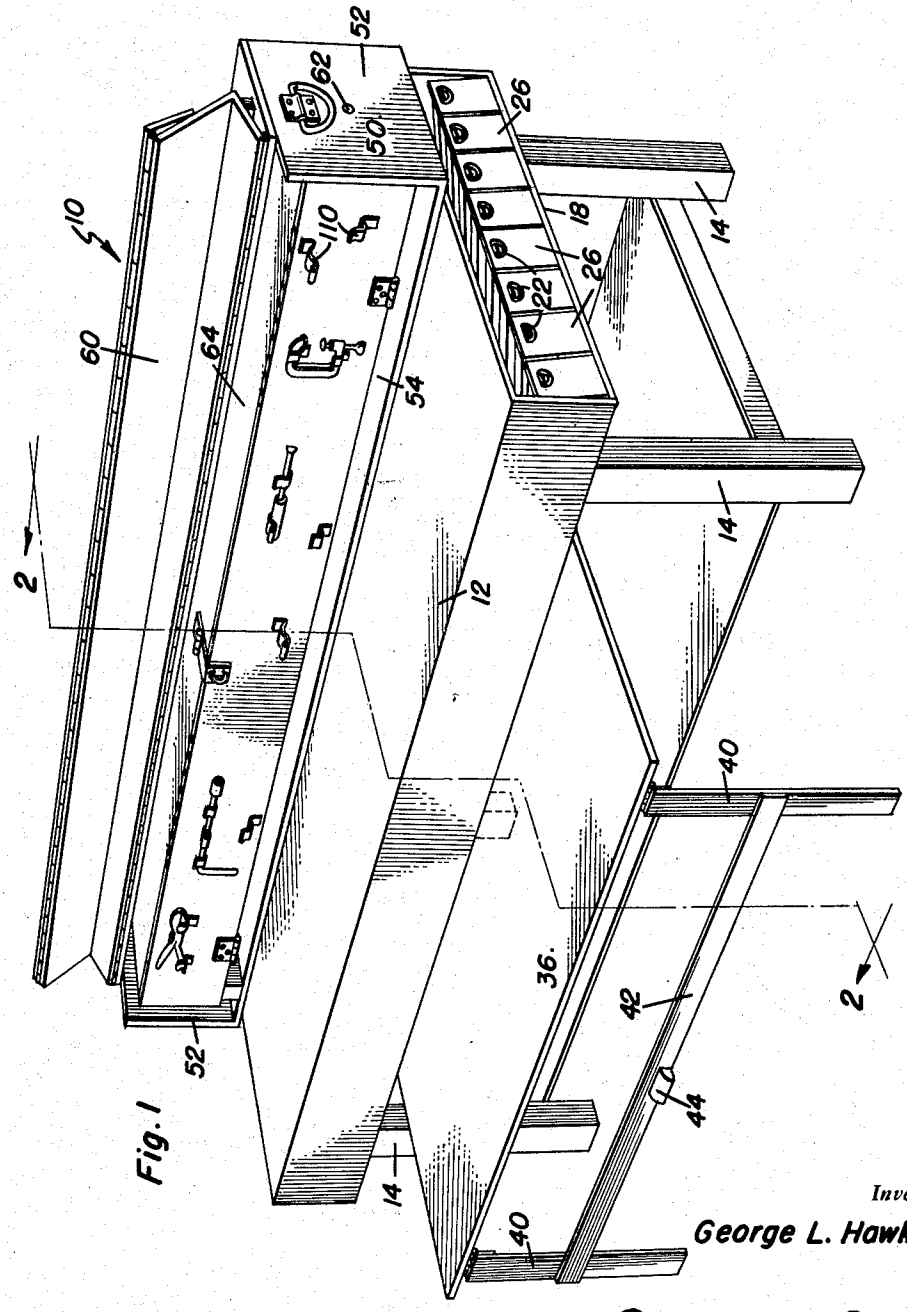


Fig. 1

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Fig. 2

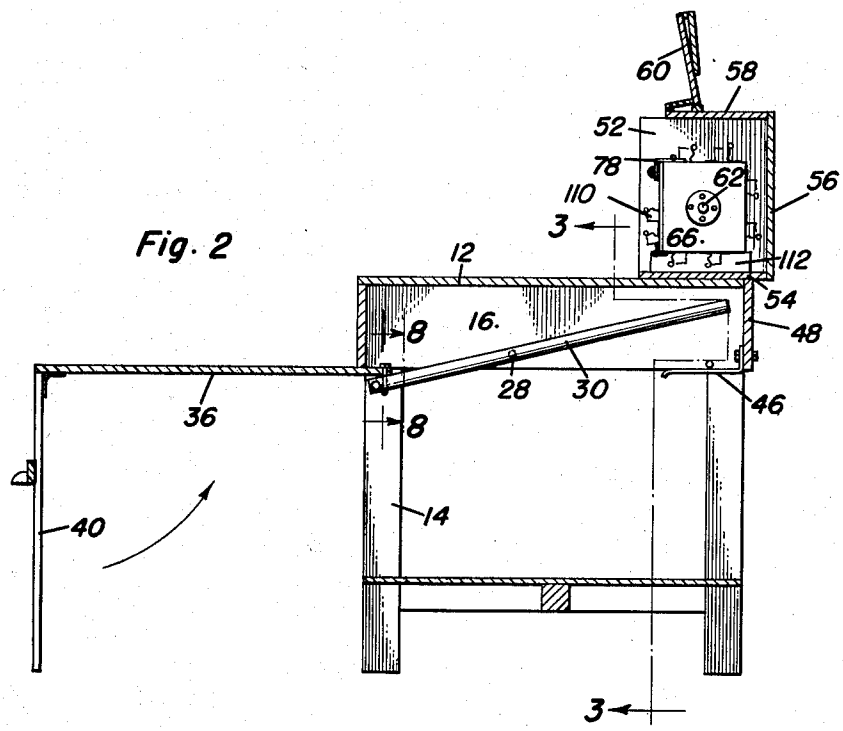


Fig. 4

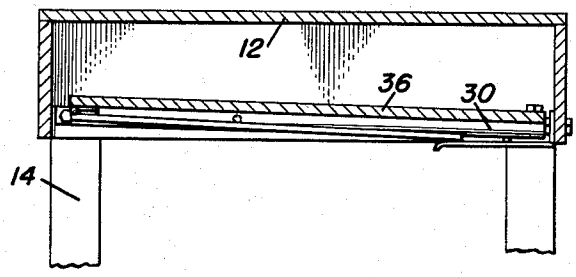


Fig. 7

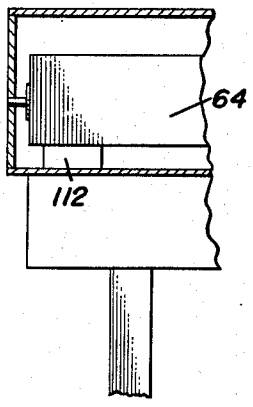
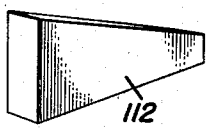


Fig. 14



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Fig. 3

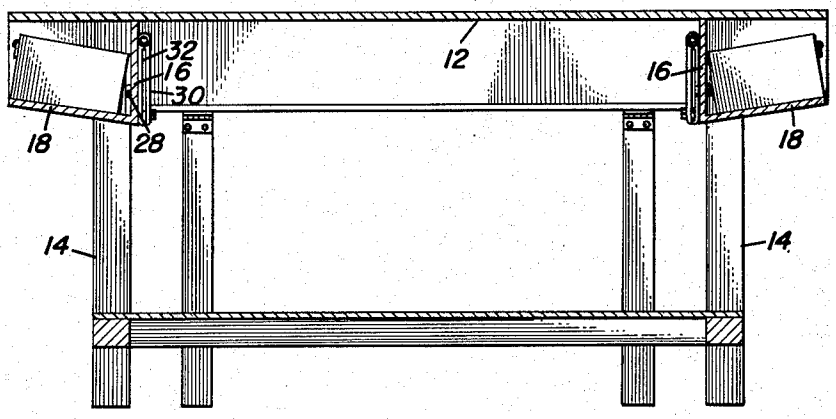


Fig. 10

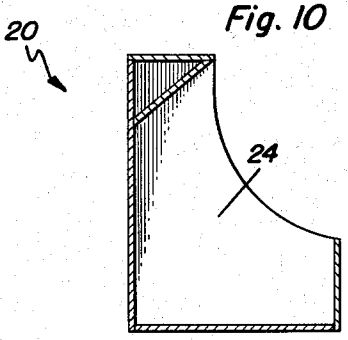


Fig. 9

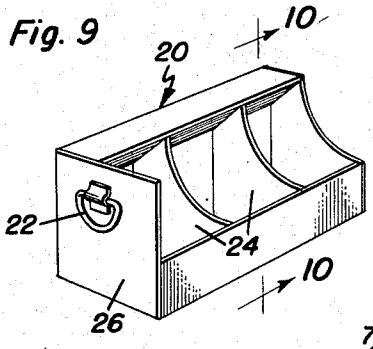
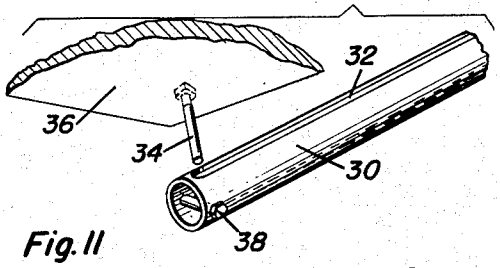


Fig. 8



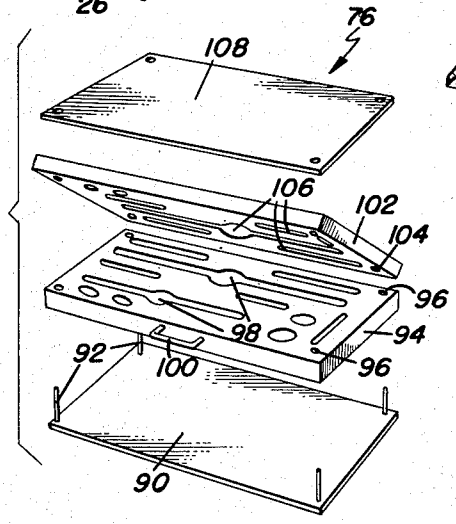


Fig. 11

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Fig. 5

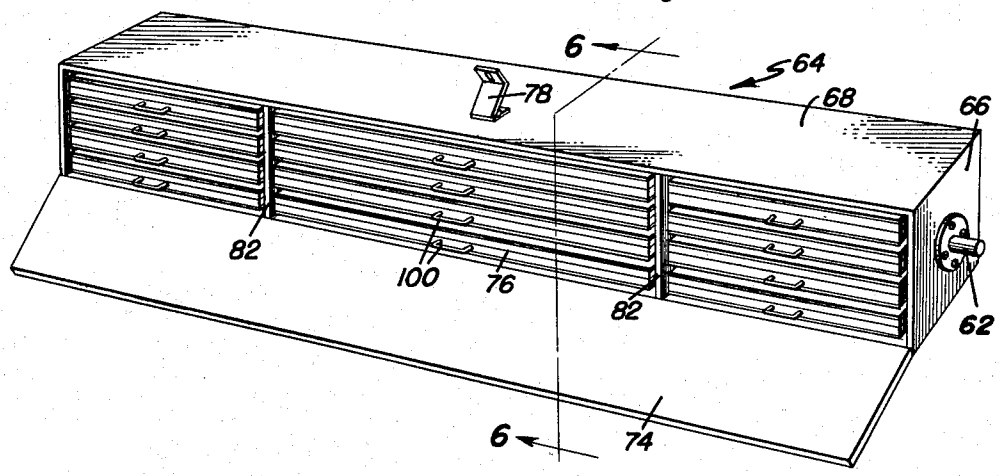


Fig. 6

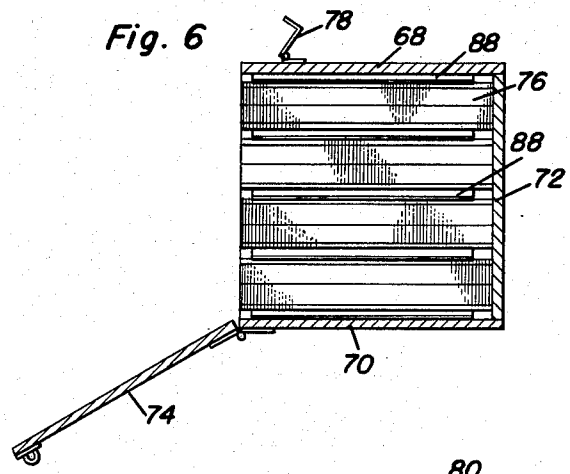


Fig. 12

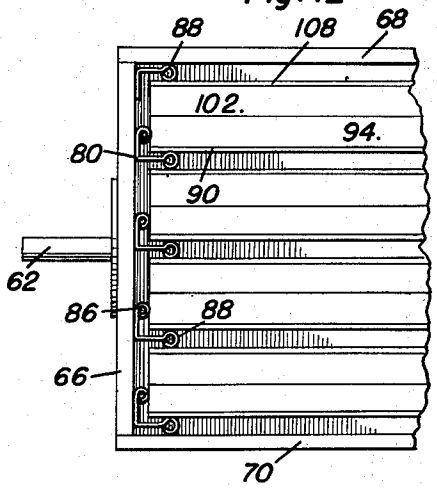
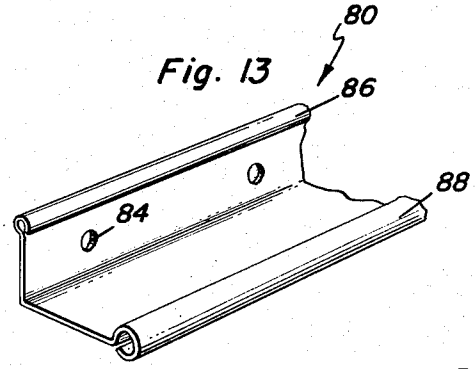


Fig. 13



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United States Patent Office 2,702,225 Patented Feb. 15, 1955

2,702,225

REVOLVING TOOL CHEST

George L. Hawkins, Richmond, Mo.

Application June 12, 1950, Serial No. 167,618

2 Claims. (Cl. 312—311)

This invention relates to tool chests and cabinets, and more particularly to a combination work bench on which a revolving tool chest is emplaced.

An object of this invention is to provide a tool chest on which a plurality of the most urgently needed tools may be emplaced for easy access and in which suitable jaws are provided for storing other tools.

Another object of the invention resides in the provision of novel means for attaching a folding work table extension to the work bench.

Yet another object of the invention resides in the provision of a work bench which requires a minimum of floor space on which a plurality of tools may be contained and on which tools, and other implements may be neatly and conveniently stored.

A further object of the invention is to provide means for rotatably mounting a tool chest on a work bench in order that the tools on the chest may be readily available to a workman, the drawers forming a portion of the tool chest being so constructed as to prevent the contents thereof from spilling or elsewise become displaced.

Still further objects of the invention reside in the provision of a combination tool chest and work bench that is strong, durable, provided with means for storing a maximum amount of material and tools, simple to manufacture, capable of being formed from metal or wood, and which device is highly pleasing in appearance.

These, together with various ancillary objects of the invention which will become apparent as the following description proceeds, are attained by this revolving work bench and tool chest combination, a preferred embodiment of which has been illustrated in the accompanying drawings, by way of example only, wherein:

Figure 1 is a perspective view of the device comprising the present invention;

Figure 2 is a vertical sectional view taken along the line 2—2 in Figure 1;

Figure 3 is a vertical sectional view taken along line 3—3 in Figure 2;

Figure 4 is a sectional view showing the manner in which the folding work table is secured beneath the work bench;

Figure 5 is a perspective view of the box forming a part of the tool chest comprising one element of the present invention;

Figure 6 is a vertical sectional view shown in an enlarged scale and taken along line 6—6 in Figure 5;

Figure 7 is a sectional detail showing the manner in which the rotating box comprising one element of the tool chest is held in a desired position by means of blocks;

Figure 8 is a perspective detail showing the construction of the means for slidably mounting the work table under the work bench;

Figure 9 is a perspective view of one of the boxes for reception of nails, screws or the like which comprises one element of the invention;

Figure 10 is an enlarged vertical sectional view as taken along line 10—10 in Figure 9;

Figure 11 is an exploded view showing the construction of a drawer adapted to fit into the revolving box;

Figure 12 is an enlarged elevational view showing the manner in which the drawers are slid into the revolving box;

Figure 13 is a perspective view of one of the guides used in slidably receiving the drawers; and,

Figure 14 is a perspective view of one of the blocks used in holding the revolving box at a desired angle for easy access.

With continuing reference to the accompanying drawings wherein like reference numerals designate similar parts throughout the various views, reference numeral 10 generally designates the revolving tool chest and work bench combination comprising the present invention which includes a work platform 12 and a plurality of supporting legs 14.

Adjacent the ends of the platform 12 and extending downwardly therefrom are partitions 16 through which angularly disposed portions 18 are secured. Slidably received within the confines of the work platform 12, the partitions 16 and the sloping members 18 are a plurality of containers which are generally indicated as at 20. These containers are provided with handles 22 for withdrawing them from the stored position and include a suitable number of partitions 24 so that different size nails, screws or the like may be readily placed therein, samples of which can be attached to the base plates 26 of the containers 20 in order that they may be rearily tested as desired by the workman using the device.

Pivotally secured to the partitions 16 by means of pins or bolts 28 are a pair of opposed tubular members 30 each of which is provided with a longitudinally extending slot 32 therein for sliding reception of a pin 34 which is secured to the work surface 36 of a folding table member. Stop bolts 38 extend transversely the tubular members 30 for limiting the final position of the work table when such is pulled out. The work table is further provided with a pair of front legs 40 which are pivotally hinged to the work table surface 36 and a crossbar 42 extends between the legs 40 on which a handle element 44 is attached so that the work table may be readily withdrawn to its open position from the closed position beneath the platform 12. Suitable brackets 46 are attached to the back 48 of the work bench and are provided to retain the legs and hence the whole work table and to hold such in position beneath the platform 12. Positioned on the platform 12 is a tool chest which includes a casing 50 having side walls 52, a bottom wall 54, a back wall 56 and a partial top wall 58. There is pivotally hinged to the top wall 58 a folding top and front element 60 for closing the tool chest 50. By means of stub shafts 62 journaled in the sides 52 a tool box 64 is rotatably mounted within the casing 50. The tool box includes side walls 66, a top and bottom wall 68 and 70, respectively, a rear wall 72 and a front lid or cover 74 which is pivotally hinged to the bottom 70. Thus, easy access to the drawers 76 may be had. A suitable hinged clasp 78 is provided for locking the box 64. By means of suitable screws, guides which are generally indicated by reference numeral 80 are provided in spaced relationship to the side 66 of the box and to the partitions 82 fixed therein. These guides 80 are of substantially L-shape and have apertures 84 through which the screws for securing the guides extend. Furthermore, the free edges of the guides are provided with a rounded cylindrical surface such as designated 86 and 88, respectively.

Each of the drawers 76 are formed from various elements which consist of a bottom plate 90 having pins 92 upwardly extending therefrom. A bottom layer 94 which is provided with apertures 96 therein for engagement about the pins 92 is also provided with recesses 98 for reception of a portion of the tool which it is desired to emplace in the drawer. Further, the bottom layer is provided with a handle 100 for enabling the drawer to be removed from the box 64. An upper layer 102 having aligned apertures 104 therethrough is also provided with complementary recesses 106 for receiving other portions of the tools which have been placed in recesses 98. A top plate 108 is provided for engagement over the pins 92 and for slidably engaging the cylindrical elements 86 and 88. By

using these drawers **76** the tool box **64** may be readily rotated without fear of spilling or otherwise losing or upsetting the contents of the drawers.

Secured to the top, bottom, rear, and front lid of the tool box **64** are clips **110** for holding tools which are most likely to be used by a workman in a convenient and easy manner. Hence, the tool box may be readily rotated so that the desired tool may be taken off of the clips **110**. If desired, suitable silhouettes of the tools may be secured adjacent the clips **110** for each tool so that the workman may readily understand where the tool is to be replaced.

As shown in Figures 7 and 14 in particular, there is provided a wedge-shaped block **112** for engagement between the box **64** and the chest **50** so as to hold the box **64** substantially perpendicular or else to hold it at a desired angle for easy access to the drawer **76**.

Since from the foregoing the construction and advantages of this revolving tool chest and work bench combination are readily apparent, further description is believed to be unnecessary.

However, since numerous modifications will readily occur to those skilled in the art after a consideration of the foregoing specification and accompanying drawings, it is not intended to limit the invention to the precise embodiment shown and described, but all suitable modifications and equivalents may be resorted to which fall within the scope of the appended claims.

Having thus described the invention, what is claimed as new is:

1. A tool chest comprising a tool chest casing, a tool box rotatably mounted in said casing, and clip means on said box adapted to hold tools therein, said box having a closure lid pivotally attached thereto, and a plurality of spaced guideways in said box for reception

of tool drawers, each of said tool drawers comprising upper and lower layers having recesses therein to conform to the shape of a particular tool, apertures through said layers, an upper plate having apertures therethrough in alignment with said apertures in said layers, and a bottom plate having pins secured thereon, said pins extending through the aligned apertures.

2. For use in a tool chest, a tool drawer comprising upper and lower layers having recesses therein to conform to the shape of a particular tool, apertures through said layers, an upper plate having apertures therethrough in alignment with said apertures in said layers, and a bottom plate having pins secured thereon, said pins extending through the aligned apertures.

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