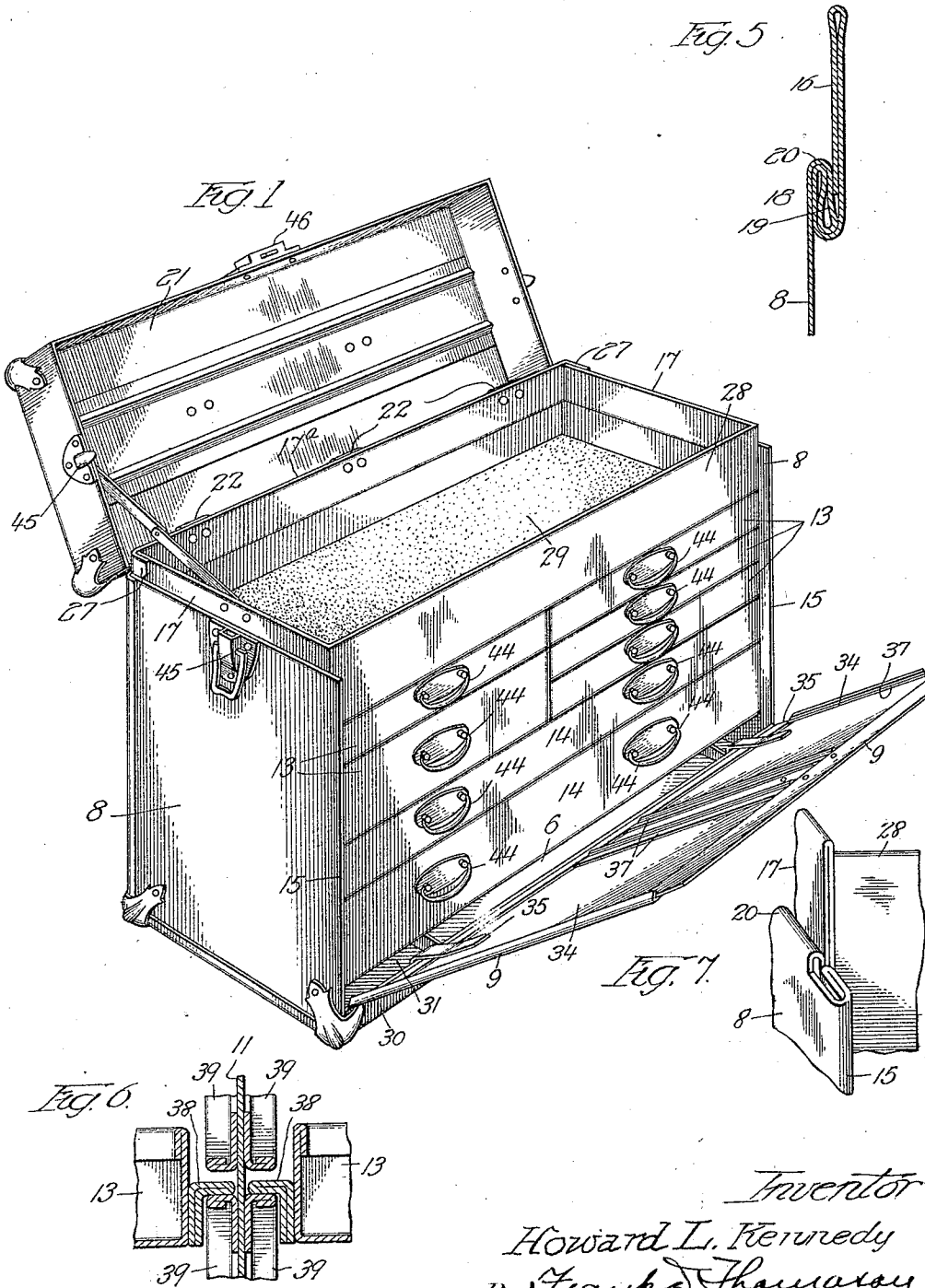


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APPLICATION FILED JUNE 11, 1920.

1,405,422.

Patented Feb. 7, 1922.

2 SHEETS—SHEET 1.



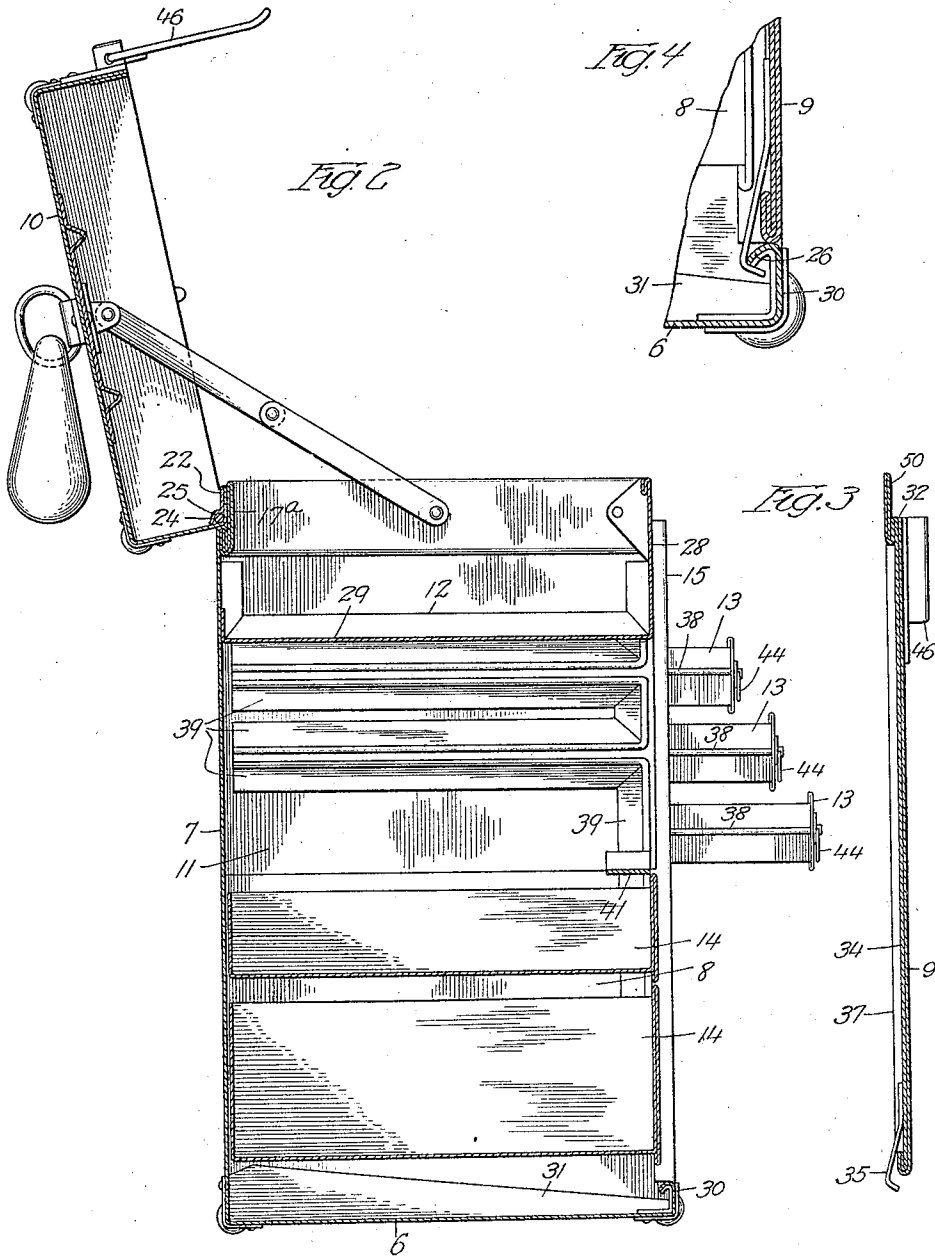
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UNITED STATES PATENT OFFICE.

HOWARD L. KENNEDY, OF VAN WERT, OHIO.

METAL TOOL KIT FOR MECHANICS.

1,405,422.

Specification of Letters Patent.

Patented Feb. 7, 1922.

Application filed June 11, 1920. Serial No. 388,186.

To all whom it may concern:

Be it known that I, HOWARD L. KENNEDY, a citizen of the United States, residing at Van Wert, in the county of Van Wert and State of Ohio, have invented new and useful Improvements in Metal Tool Kits for Mechanics, of which the following is a full, clear, and exact description.

My invention relates to sheet metal receptacles or kits for mechanics and the like, and particularly containers for tools and supplies having a removable false front and tiers of drawers.

The object of my invention is to employ principally sheet metal in the construction of said kit and particularly in the formation of its walls whereby the upper portion thereof are provided with horizontal shoulders for the cover to rest upon and are reinforced to make the kit more durable and to reduce the cost of making the same. These and other objects are accomplished by the means hereinafter fully described and as particularly pointed out in the claims.

In the drawings:

Figure 1 is a perspective view of my improved kit showing it opened.

Figure 2 is a longitudinal vertical section thereof.

Figure 3 is a vertical section of the front wall of the same, removed from the kit.

Figure 4 is an enlarged view of a vertical section through fragments of the lower front edge of the kit and the lower edge of the front wall thereof drawn to a larger scale.

Figure 5 is an enlarged view of a vertical section of a broken away portion of the upper edge of the kit.

Figure 6 is a vertical section through a portion of the longitudinal drop-wall or partition of the upper part of the kit, also drawn to a larger scale.

Figure 7 is a fragmental perspective view of the junction between the side wall and the top tray.

The kit to which my improvements are applied comprises a bottom 6; a rear wall 7; side walls 8, 8, and a removable false front-wall 9; a cover 10 hinged to the rear-wall near its upper edge; a centrally located longitudinally disposed vertical partition 11; a permanent tray 12; in the upper part of the kit; two tiers of drawers 13, 13, one on each side of the partition, and larger drawers 14, 14, below the partition 11 that extend from

side-wall to side-wall of said kit. There is nothing new in the parts or in the arrangement of parts above enumerated. My improvements relate more particularly to the construction of the same.

The forward vertical edges 15 of the side-walls 8, 8, are selvaged by bending them back against the inner surfaces of the side-walls and then giving them a second bend so as to protect the raw edge thereof between the lap made by the first bend and said side-wall. The upper portions 17 of said side-walls are bent against the outer surface to round the upper selvaged edges thereof, and, just below where the raw downturned edge of portion 17 terminates, the sheet metal of said walls is looped outwards and said loop 18 flattened and bent upwards parallel to the said portion 17 and then one-half of said loop is bent inwardly and downwardly and inserted between the lower half of the loop and top portion 17 to form a filler 19 and to hide and protect the raw downturned edge of said portion.

The bend of loop 18 that makes this filler 19, provides a shoulder 20, upon which the lower side edges of the cover 21 rest when said cover is closed, as will hereinafter be more fully described.

The bottom 6 and rear-wall 7, of the kit are, preferably, made of one continuous piece of sheet metal, and the longitudinal side edges of the bottom and the vertical side edges of the rear wall are seamed or soldered to the lower and rear edges of the side walls.

The upper portion 17^a of the rear wall is constructed in the same manner as the upper portions 17 of the side walls to form a shoulder 21^a, and above this shoulder said portion 17^a has separated sheet metal straps 22, 22, riveted thereto at equal distances apart that are doubled upon themselves to provide knuckles between which knuckles 24, knuckles made on the lower downturned rear edge of cover 21 are placed and connected or hinged by a pintle 25, preferably made of a straight stretch of wire.

The ends of the upper portion 17^a of the rear-wall are provided with wings 27, that are bent forward and lap against the upper portion, 17, of the side walls. The permanent tray 12 comprises a bottom-plate 29, the end edges of which are flanged upwards and secured to the inner surfaces of the rear and side wall of the kit, which latter form

the sides and rear of the tray. The front-wall 28 of the tray is made by bending the front edges of its bottom upwards to the same height as the top selvaged edges of portion 17, to the inner surfaces of which latter its ends are connected by rearwardly bent lugs that are soldered or riveted to the adjacent inner surface of said side-walls. The vertical plane of the front surface of the front-wall 28 of the tray terminates back of the front selvaged edges of the side walls, substantially as shown, so as to provide the necessary clearance for the removable false front-wall 9, of the kit.

The front edge of the bottom 6, of the kit is flanged upwards to form a base-guard 30, the upper edge 26 of which, about, say, three fourths of an inch above the bottom, is bent rearwardly and downwardly at an acute angle, and said bottom is provided with longitudinal ridges or skids 31, 31, that are made from strips of sheet metal, one flange of each of which is soldered to the bottom and the other or vertical flange of the same is constructed so that the upper edge or tread thereof inclines from the rear downwards to a point below the inwardly flanged upper edge 26 of the base-guard 30. These skids reinforce the bottom and support the bottom edge of the removable false front-wall 9, when said front-wall is lowered into a horizontal position and pushed or made to retreat into the bottom of the kit.

The front side of the front-wall of the kit is made of a single rectangular plate of sheet metal, and the bottom and vertical edges of the same are selvaged and the upper portion 50 thereof is reinforced in the same manner as the upper portion 17 of said side-walls to provide a shoulder 32, and said portion 50 corresponds to and forms a continuation of shoulder 20 and portion 17 of the side walls. The rear surface of the false front wall is reinforced by flat inner plates 34 of sheet metal. The drawings show but two of these inner plates 34 and each are provided with vertical ribs 37, 37, that are somewhat V-shaped in cross-section and are located on the opposing vertical edges of said plates. At the outer vertical edges thereof, these ribs extend under the inwardly bent side edges of said false front wall.

Secured to and extending down below the lower edge of the false front wall are hooks 35, 35, the lower portions of which extend to the rear and have their lower hooked extremities bent forward. When said false front wall is withdrawn outwards while in its horizontal position in the bottom of the kit, these hooks catch under the rearwardly bent edges 26 of the base-guard and form a hinge, from the center of which the front wall can be swung up into place to close the front of the kit, or swung downwards so that when in a horizontal position said front wall

can be pushed back to make said hooks disengage from the base-guard as said front wall rides upon the upper edge of said base-guard and skids 31, 31, and retreats back into the kit.

Above the space in the lower portion of the kit which is occupied by the removable false front wall when it is pushed back into the same, the kit is provided with two large drawers 14, 14, the length of which corresponds to the width of the kit.

Above these two large drawers, 14, 14, the kit is provided midway between its side walls with the vertical longitudinal drop-wall or partition 11. The upper edge of this drop-wall is secured to the under side of the bottom of the tray, and its rear edge to the rear wall of the tray. The front portion or the bottom edge of said partition is supported by the transverse bridge or cross-bar 41, whose ends are soldered or otherwise secured to the inner sides of the side walls of the kit. The side walls, above this cross-bar 41, are provided on their under surfaces with runways made by the employment of U-shaped metal strips 38, and the partition is likewise provided with runways by similar U-shaped strips 39, and the guide-strips of the small drawers 13, 13, (which are similar to the guide-strips of the large drawers) are inserted and adapted to move back and forth in the said runways. The small drawers 13, 13, are constructed similar to the large drawers 14, 14, and their only difference is in their size and capacity. When these drawers have been inserted in their respective runways, their front surfaces are in a plane that will come back of the vertical plane of the front edges of the side-walls such a distance that neither said drawers, when at the limit of their rearward movement, nor the handles 44, with which their front sides are provided, will interfere with the closing of the false front wall of the kit, as hereinabove described.

There is nothing new in the construction of the large drawers 14, 14, except that the ends thereof are provided with horizontal guide-strips similar to those of the small drawers that engage runways that are made by doubling a strip of sheet metal laterally and then bending them so as to make them L-shaped in cross-section. These guide-strips are constructed similar to the runway strips 39 of the small drawers, except that they are both secured to the side walls instead of to the partition at one end and the side walls at the other.

When the removable false front wall of the kit is closed, the hinged cover, 10, thereof is swung downwards and the front, sides and rear downwardly turned edges thereof will lap outside of and bear against the portions 17 17 of the side walls, the corresponding portion 17^a of the rear wall and corre-

sponding portion of the removable false front wall, and when the upper portions of said walls are so surrounded and enclosed the edges of the cover will rest upon the shoulders 20, 20, the shoulder 21, of the rear wall, and the shoulder 32 of said front wall, and in this position said cover can be locked to the body of the kit by means of a trunk-lock, 45, secured to the sides of the cover and the side walls of the kit, and the lock 26 secured to the front of the cover and the false front wall of the kit, substantially as shown in the drawings.

What I claim as new is:

1. A sheet metal receptacle the walls of which have their upper edges folded down and lapped against their outer edges, and which below the tops thereof are provided with a double folded loop to produce an external shoulder and cover said edges, and a cover therefor having downturned marginal flanges adapted to rest upon said shoulders when the cover is closed.

2. A rectangular sheet metal receptacle comprising integral bottom and side and rear walls, a removable false front-wall, which, below its top edge is provided with a double folded loop to produce a horizontal shoulder and which has its lower edge removably attached to said receptacle, said side-walls having similar shoulders, and a cover the downturned edges of which enclose the top portions of the walls of the receptacle including said front wall and rest upon said shoulders.

3. A rectangular sheet metal receptacle comprising a bottom and rear wall made of one continuous sheet of metal, and sheet metal side walls the bottom and rear vertical edges of which are connected with said bottom and rear wall, a base-guard made by flanging the front margins upwards and bending the upper edge thereof inwards at a downwardly inclined angle, a false wall front, hooks secured thereto and depending below the lower edge of said front wall and adapted to engage the inwardly bent edges of said base-guard, and a cover the downturned edges of which are adapted to shut down over and enclose the upper margins of said side and rear walls and said false front wall.

4. A rectangular sheet metal receptacle comprising a bottom and rear wall made of one continuous sheet of metal, and side walls the bottom and rear vertical edges of which are connected with said bottom and rear wall, said rear and side walls below their top edges being provided with a double folded loop to produce horizontal shoulders, longitudinally extending inside skids secured to the bottom of the receptacle, a base-guard made by flanging the front edges of said bottom upwards, a false front wall the lower edge of which is adapted to lap back

of said base-guard and be shoved over the bottom on said skids when opened, and a cover the downturned edges of which are adapted to shut down over and enclose the upper margins of said side and rear wall and said false front wall.

5. A rectangular sheet metal receptacle comprising a bottom and rear wall made of one continuous sheet of metal, and side walls the bottom and rear vertical edges of which are connected with said bottom and rear wall, said rear and side walls below their lapped upper edges being provided with a double folded loop to produce horizontal shoulders, a base-guard made by flanging the front margins of said bottom upwards and bending the upper edge thereof inwards at a downwardly inclined angle, a false wall-front, hooks secured thereto and depending below its lower edge and adapted to engage the inwardly bent edges of said base-guard, and a cover the downturned edges of which are adapted to shut down over and enclose the upper margins of the side and rear walls and said false front wall.

6. A rectangular sheet metal receptacle comprising a bottom and rear wall made of one continuous sheet of metal, and side walls, the bottom and rear vertical edges of which are connected with said bottom and rear wall; said rear and side-walls below their top edges being provided with a double folded loop to produce horizontal shoulders, longitudinally extending inside skids secured to the bottom of the receptacle for receiving said front-wall when opened, a base-guard made by flanging the front margins of the bottom upwards and bending the upper edges thereof inwards at a downwardly inclined angle, a false front wall, hooks secured thereto and depending below its lower edge and adapted to engage the inwardly bent edges of said base-guard, and a cover the downturned edges of which are adapted to shut down over and enclose the upper margins of said side and rear walls and said false front wall.

7. A rectangular sheet metal receptacle comprising a bottom and rear wall made of one continuous sheet of metal, and side walls the bottom and rear vertical edges of which are connected with said bottom and rear wall; said side and rear walls and said false front wall having their upper portions folded down and lapped against their outer edges and below the tops thereof provided with an outer double folded loop to produce external shoulders and cover said upper downturned edges, a base guard made by flanging the front edges of said bottom upwards, a false front-wall the lower edge of which is adapted to lap back of said base-guard and receivable into the bottom when open, and a cover the downturned edges of which are adapted to shut down over and

enclose the upper margins of said side and rear walls and said false front wall.

8. A rectangular sheet metal receptacle comprising a bottom and rear wall made of one continuous sheet of metal, and side walls the bottom and rear vertical edges of which are connected with said bottom and rear-wall, said side and rear wall and said false front wall having their upper portions folded down and lapped against their outer edges and below the tops thereof provided with an outer double folded loop to produce external shoulders and cover the raw upper edges thereof, a base-guard made by flanging the front margins of the bottom upwards and bending the upper edge thereof inwards at a downwardly inclined angle, a false front wall, hooks, secured thereto and depending below its lower edges and adapted to engage the inwardly bent edges of said base-guard, and a cover the downturned edges of which are adapted to shut down over and enclose the upper margins of said side and rear walls and said false front wall and rest upon said shoulders.

9. A rectangular sheet metal receptacle comprising a bottom and rear wall made of one continuous sheet of metal, and side walls the bottom and rear vertical edges of which are connected with the bottom and rear wall of the receptacle, said side and rear walls and said false front wall having their upper edges folded down and lapped against their outer edges, and below the tops thereof provided with outer double folded loops to produce shoulders and cover the upper downturned edges thereof, longitudinally extending skids for receiving said front-wall when open and secured to the bottom of the receptacle a base-guard made by flanging the front edges of said bottom of the receptacle upwards, a false front wall the lower edge

of which is adapted to lap back of said base-guard, and a cover the downturned edges of which are adapted to shut down over and enclose the upper margins of said side and rear walls and said false front wall.

10. A rectangular sheet metal receptacle comprising integral bottom and side and rear walls, a removable front wall which below its top edge is provided with a double folded loop to produce a horizontal shoulder and which has its rear edge removably attached to said receptacle, a flange on the front edge of said bottom wall, said removable false front having its rear side reinforced by sheet metal plates provided with vertical ridges, and hooks depending from the lower edge of the inner side of the false front wall by means of which it is hinged to said bottom wall flange, and a cover the downturned edges of which enclose the top portions of the walls of the receptacle and rest upon said shoulder.

11. A rectangular sheet metal receptacle comprising integral bottom, side and rear walls, a removable false front-wall, said side and front walls having their respective top edges provided with double folded loops to provide horizontal external shoulders, said front-wall having its lower edge removably attached to the receptacle, a cover hinged on the rear wall and provided with downturned front and side marginal flanges adapted to embrace the top edges of said side and front-walls and rest upon said shoulders when the cover is closed.

In witness whereof I have hereunto set my hand and seal this 28th day of February, 1920.

HOWARD L. KENNEDY.

Witnesses:

L. C. MILLER,

R. K. THOMPSON.