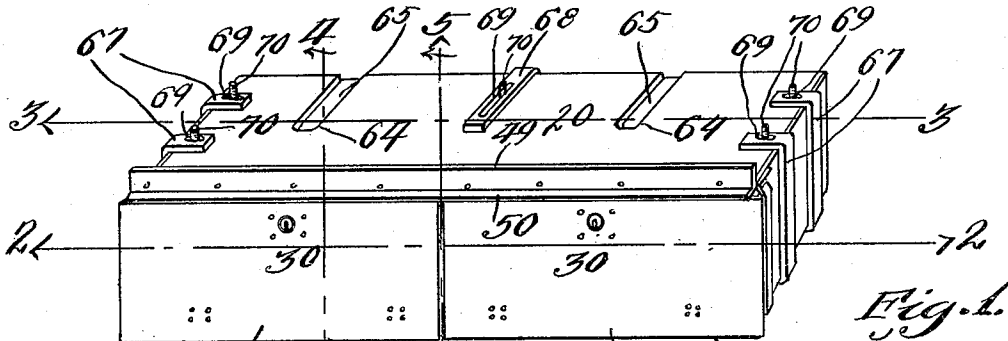
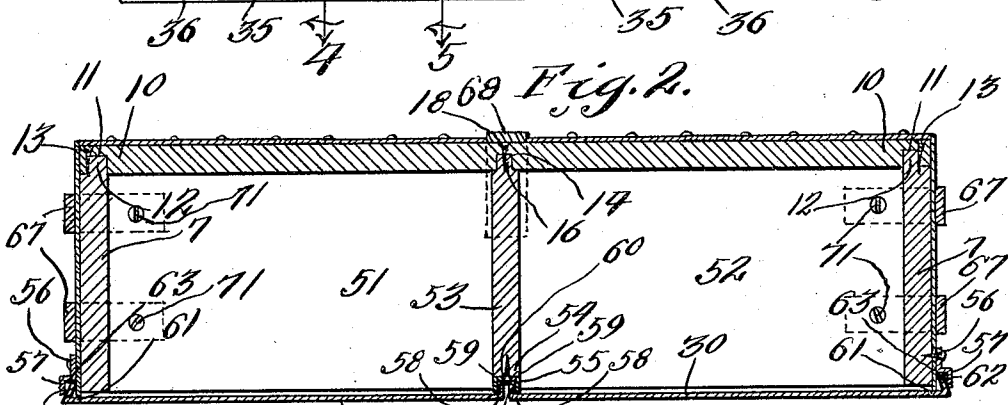
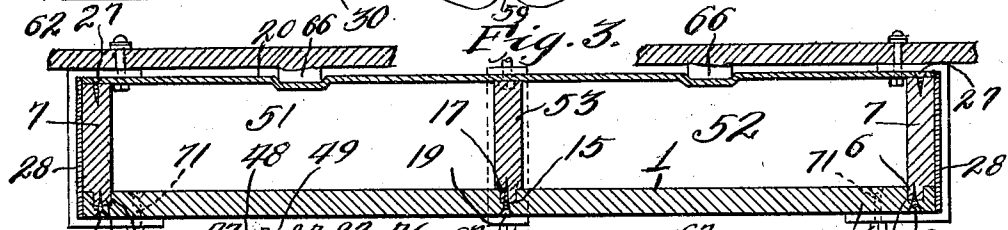
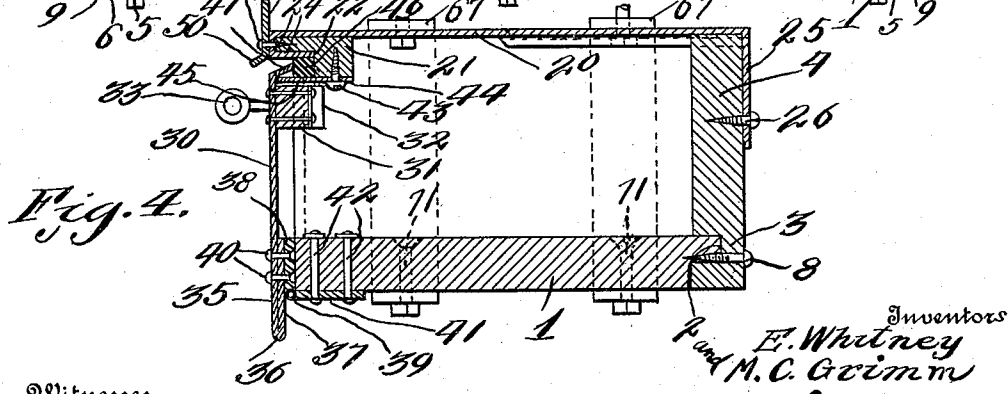


E. WHITNEY & M. C. GRIMM.  
 TOOL BOX FOR AUTOMOBILES.  
 APPLICATION FILED MAR. 11, 1915.

1,162,006.

Patented Nov. 30, 1915.

2 SHEETS—SHEET 1.



Witnesses  
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*James E. Borswell*

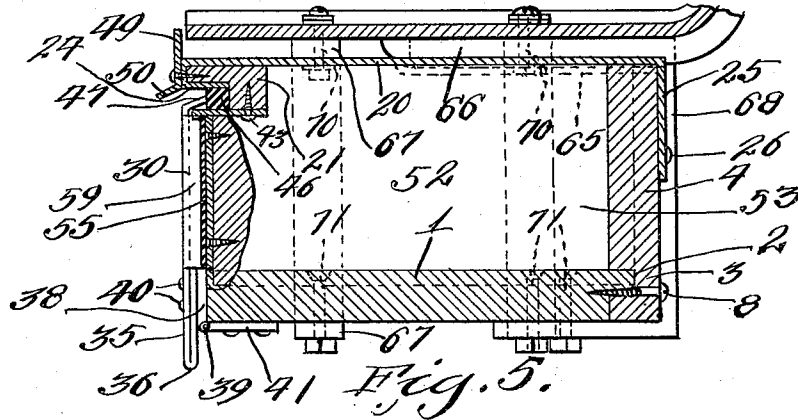
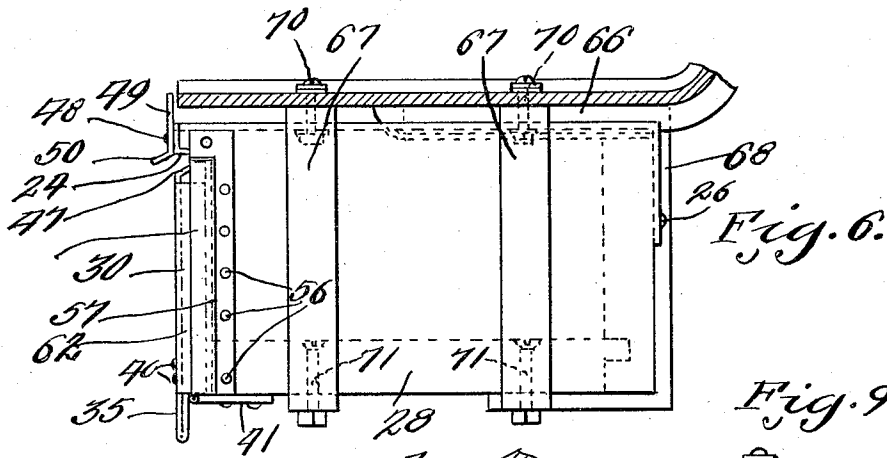
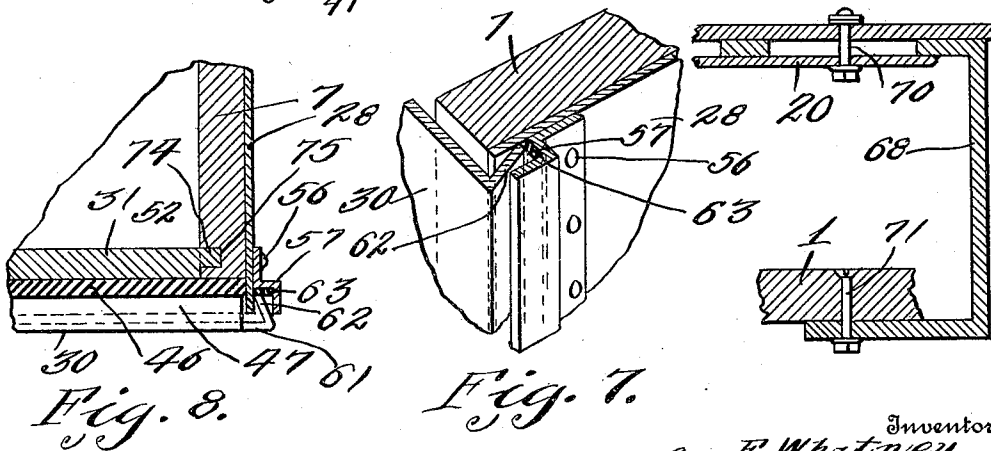
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2 SHEETS—SHEET 2.



Witnesses

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# UNITED STATES PATENT OFFICE.

EARLE WHITNEY AND MARTIN C. GRIMM, OF LEWES, DELAWARE.

## TOOL-BOX FOR AUTOMOBILES.

1,162,006.

Specification of Letters Patent.

Patented Nov. 30, 1915.

Application filed March 11, 1915. Serial No. 13,613.

*To all whom it may concern:*

Be it known that we, EARLE WHITNEY and MARTIN C. GRIMM, citizens of the United States, residing at Lewes, in the county of Sussex and State of Delaware, have invented a new and useful Tool-Box for Automobiles; and we do hereby declare the following to be a full, clear, and exact description of the invention such as will enable others skilled in the art to which it appertains to make and use the same.

This invention pertains to automobiles and more particularly to accessories therefor, for instance, such as an improved tool box to be suspended from the under side of the running board of the automobile for the reception of various tools and the like essential to automobiles.

An object of the invention is to provide an improved tool box having novel features of construction.

One of the features of construction is the provision of a box divided into two compartments, each of which being supplied with an independent closure having spring clips at each end to exclude exterior atmospheric elements.

Another feature of the invention is to provide each closure at its upper edge with a tight joint comprising a rabbet recess in a longitudinal wooden strip including a rubber cushion constituting a packing for the flange of the closure. Another feature of the invention is the provision of a metal strip adjacent the upper edge of the box having an inclined portion overlying the joint of the upper portion of each closure, in order to shed the rain and the like past the joint.

Another feature of the invention is that the spring clips at the ends of the closures for the reception of the flanges of the closures are closed at their tops and open at their bottoms, the closed upper parts acting to exclude the weather, but in case rain or the like should enter the clips, it will run or drain out at the bottom.

In practical fields the details of construction may necessitate alterations, falling within the scope of what is claimed.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings:—Figure 1 is a view in perspective showing the improved tool box

as applied to the under side of the running board of an automobile. Fig. 2 is a sectional view on line 2—2 of Fig. 1. Fig. 3 is a sectional view on line 3—3 of Fig. 1. Fig. 4 is a transverse sectional view on line 4—4 of Fig. 1. Fig. 5 is a transverse sectional view on line 5—5 of Fig. 1. Fig. 6 is an end view of the box. Fig. 7 is an enlarged detail view showing the spring clip joint of one end of each closure. Fig. 8 is an enlarged sectional view, not only showing the joint of the upper edge of each closure, but also the joint at one end of each closure. Fig. 9 is a detail sectional view showing one of the brackets or hangers supporting the tool box under the running board.

Referring more especially to the drawings, 1 designates the wooden bottom, the rear longitudinal portion of which is recessed at 2 for the reception of the extension 3 of the wooden back 4 of the box. The end portions of the wooden bottom are recessed as shown at 5 for the reception of the tongues 6 of the wooden ends 7. Suitable screws 8 and 9 secure the wooden bottom, the back, and the wooden ends together, as shown clearly in Figs. 3 and 4. The end portions 10 of the wooden back are provided with recesses 11 for the reception of the tongues 12 of the wooden end pieces, there being suitable screws 13 to render these joints secure and substantial, as shown in Fig. 2. As disclosed in Figs. 2 and 3 the central portions of the wooden back and bottom pieces are supplied with recesses 14 and 15 for the reception of the tongues 16 and 17. Suitable screws 18 and 19 are provided to render the joints of the parts 14 and 16 and the parts 15 and 17 secure.

As shown the tool box is provided with a sheet metal top 20, and extending from one end piece to the other adjacent their upper outer corners is a wooden strip 21 having a rabbet or recess 22. The sheet metal top engages the upper portion of the wooden strip 21, and extends downwardly over the same and into the rabbet or recess 22, as shown at 24. The rear part of the top extends downwardly over and in engagement with the wooden back, as shown at 25, and is secured as shown at 26 to the back. The end portions of the sheet metal top also extend over the end pieces 7 and extend entirely down and in engagement with the outer

faces of the wooden end pieces, there being suitable screws 27 for securing parts of the sheet metal top to the wooden pieces.

Suitable doors or closures 30 are provided, 5 and riveted or otherwise secured adjacent the free portions of said doors or closures are strips 31, which carry suitable locks 32, the interior construction of which forms no part of the present invention, therefore it is 10 not shown, there being suitable keys 33 for manipulating the locks. The lower portion 35 of each closure or door is bent upon itself as shown at 36 to form a reinforcing part 37. Through these reinforcing parts 37 and the 15 body of the doors, and through the hinge leaves 38 of the hinges 39 suitable rivets or the like 40 extend, so as to connect said leaves 38 of the hinges to the reinforced parts of the doors. The leaves 41 of the 20 hinges are bolted at 42 to the wooden bottom of the box. Fastened by screws or other suitable means 43 to the wooden strip 21 are plates 44, between the parts 45 of which and that part of the top 20 which extends into 25 the rabbet or recess 22, a suitable rubber cushion constituting a packing 46 is arranged, to be engaged by the inturned flanges 47 of the doors or closures 30, thereby insuring a tight joint when the doors are 30 closed and locked. Secured at 48 to the strip 21 but upon the outer portion of that part of the top 20 which extends over the strip 21 is a metal plate 49 having an angularly downwardly extending deflecting flange 50, 35 so as to shed the rain and the like over the joint between the free ends of the doors or closures. The box is divided in two compartments 51 and 52, by means of the wooden divisional or parting member 53, which carries the tongues 16 and 17. Secured to the 40 edge portion 54 of the parting or divisional member is a metal channel or U-shaped strip 55, which is closed at the top and open at the bottom. The closed upper end of the 45 channel or U-shaped strip 55 acts to assist in preventing rain or the like from entering the channel of said strip 55. However, in case the rain does enter, it will pass out at the bottom. Secured at 56 to the ends 50 of the box are angular spring clip plates 57, which are also closed at their tops and open at the bottom, in order to perform the same purpose as those performed by the channel strips 55.

55 The adjacent end portions 58 of both doors or closures are provided with flanges 59, to enter the channel strip 55, there being a suitable packing 60 in the channel strip 55 to insure a tight joint. The outer end portions 60 61 of the doors or closures are provided with flanges 62, which are disposed at acute angles to the bodies of the doors or closures and designed to fit the spring clips 57, and to engage the packing 63 in the spring clips 65 to form tight joints. The metal top of the

box as shown at 64 is depressed, in any suitable manner, to form the recesses 65 for the reception of the spreader rods 66 of the machine.

To suspend the tool box from the under 70 portion of the running board of an automobile, there are five U-shaped hanger irons 67 and 68 provided, two to fit each end of the box, as shown clearly in Figs. 1 and 3, and another 68 to fit the box from one of its 75 longitudinal sides, and the upper portions of these hanger irons are provided with slots 69, to receive the bolts 70, which not only pass through the running board, but also through the metal top 20 of the box. The 80 slots 69 serve the purpose of permitting the hanger irons to be adjusted, to suitably fit different constructions of running boards.

Bolts 71 penetrate the wooden bottom of the box and also extend through the lower 85 parts of said hanger irons, and are provided with suitable nuts to insure holding the box in its proper place. The wooden strip 21 at its ends is provided with tongues 74 to engage the recesses 75 in the wooden end 90 pieces 7 of the box.

From the foregoing it will be noted, there has been devised an improved simple and efficient and practical construction of tool 95 box, to be securely suspended from the under face of the running board of an automobile, and provided with improved joints to exclude the weather, and having doors or closures to swing outwardly and downwardly, 100 so as to allow ready access to the two compartments of the box.

The invention having been set forth, what is claimed as new and useful is:—

1. A tool box for automobile running 105 boards comprising fiber back, end and bottom pieces, a metallic top having back, end and front extension pieces, the back and end pieces overlapping and extending downwardly upon the fiber end and back pieces, a front fiber strip over which the front 110 extension overlaps and engages, said front fiber strip having a longitudinal recess extending inwardly under the metallic top and having a cushion packing, and a metallic closure provided with a reinforced lower 115 portion hinged to the fiber bottom piece and provided with an inturned flange at its upper edge to engage the cushion packing.

2. A tool box for automobile running 120 boards comprising fiber back, end and bottom pieces, a metallic top having back, end and front extension pieces, the back and end pieces overlapping and extending downwardly upon the fiber end and back pieces, a front fiber strip over which the front 125 extension overlaps and engages, said front fiber strip having a longitudinal recess extending inwardly under the metallic top and having a cushion packing, and a metallic closure provided with a reinforced lower 130

portion hinged to the fiber bottom piece and provided with an intumed flange at its upper edge to engage the cushion packing, and an eave strip secured to the upper front portion of the box and inclining downwardly over the cushion packed joint of the closures to shed the rain and the like.

3. A tool box for automobile running boards comprising fiber back, end and bottom pieces, a metallic top having back, end and front extension pieces, the back and end pieces overlapping and extending downwardly upon the fiber end and back pieces, a front fiber strip over which the front extension overlaps and engages, said front fiber strip having a longitudinal recess extending inwardly under the metallic top and having a cushioned packing, a divisional plate of fiber dividing the box into two com-

partments, hinged closures hingedly connected to the fiber bottom piece and having inwardly extending flanges at their free edges to engage the cushioned packing, the adjacent end portions of the closures having a cushioned channel joint with the divisional member, the outer ends of the closures having cushioned spring clip joints with the box, and an eave strip overlying and extending downwardly over the cushioned packed joint of the closures.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

EARLE WHITNEY.  
MARTIN C. GRIMM.

Witnesses:

NAPOLEON B. REGISTER,  
THOMAS PAYNTER.

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