W. C. McCOY.

TOOL BOX.

APPLICATION FILED FEB. 7, 1917.

1,249,439.

Patented Dec. 11, 1917.

2 SHEETS—SHEET 1.

Fig. 1.

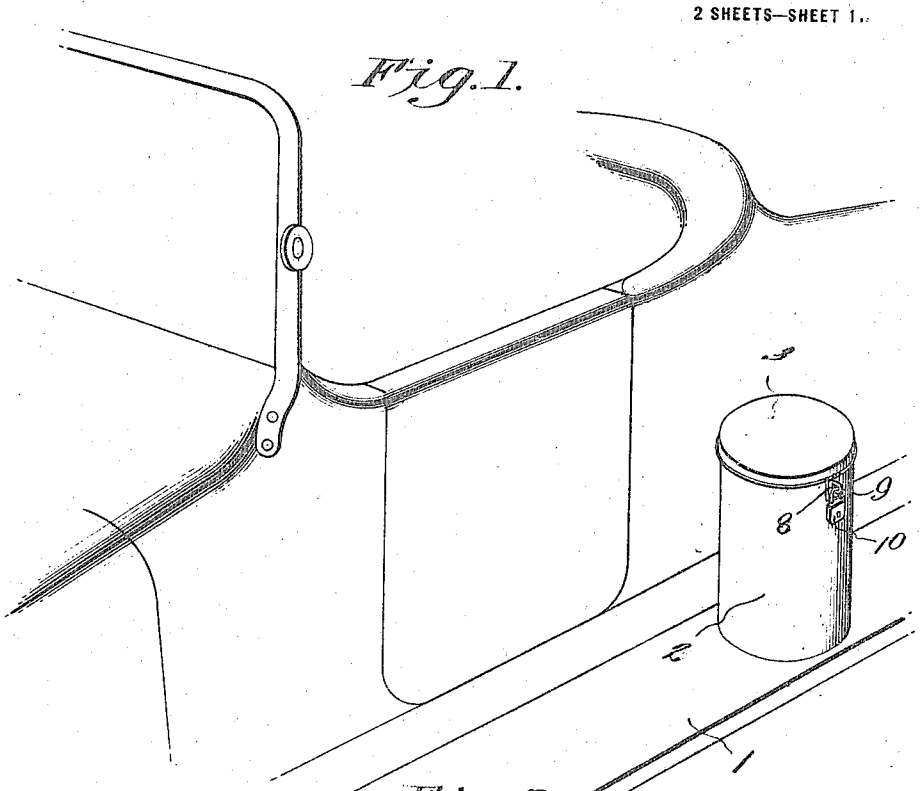
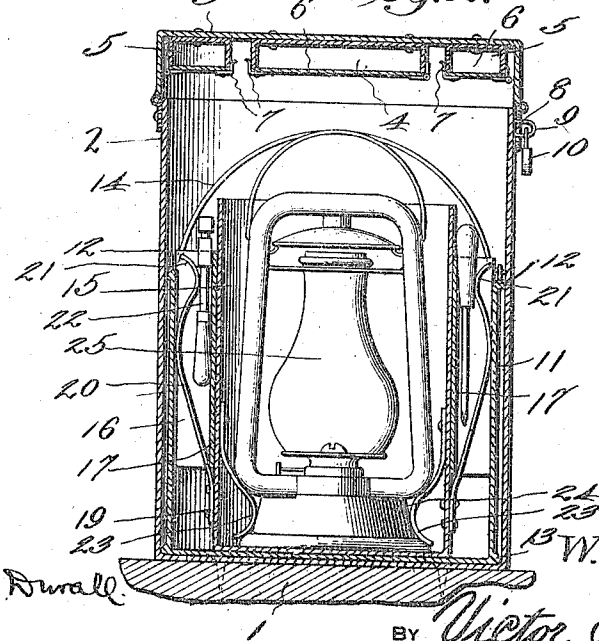


Fig. 2.



WITNESS

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2 SHEETS—SHEET 2.

Fig. 3.

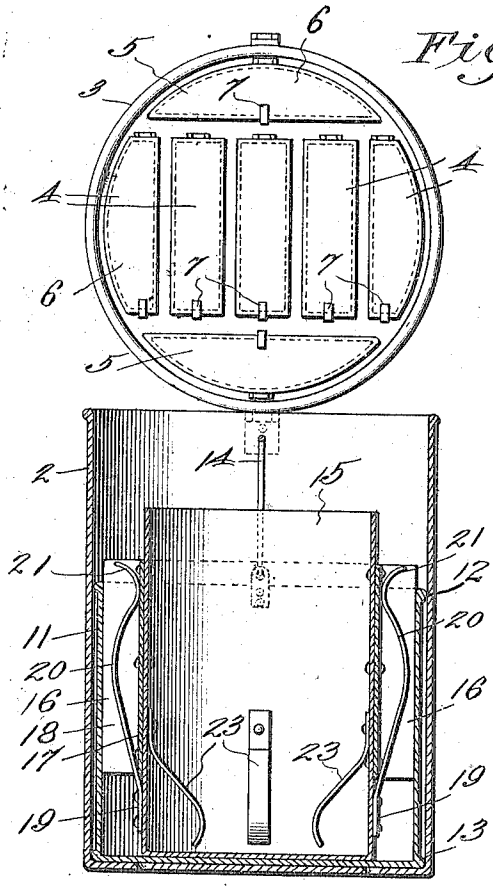


Fig. 4.

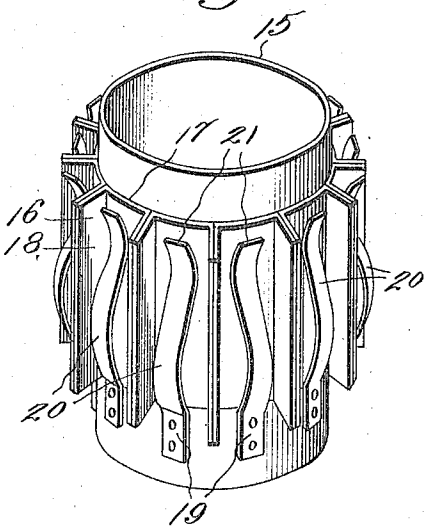
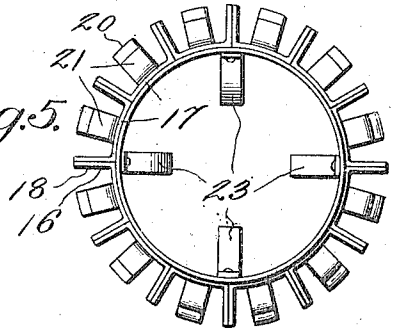


Fig. 5.



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TOOL-BOX.

1,249,439. Specification of Letters Patent. Patented Dec. 11, 1917.

Application filed February 7, 1917. Serial No. 147,200.

To all whom it may concern:

Be it known that I, WILLIAM C. McCOY, a citizen of the United States, residing at Danville, in the county of Boyle and State of Kentucky, have invented new and useful Improvements in Tool-Boxes, of which the following is a specification.

This invention relates to a tool box designed to be secured to the running board or upon any other suitable part of an automobile, and the primary object of the invention is to produce an article of this character comprising a plurality of elements each adapted for a separate use which will rest, one within the other, in such a manner that the accidental disassociation thereof will be prevented, regardless of the vibrations of the car.

It is also my purpose to produce a tool box adapted to be fixed to the running board of an automobile and within which box is nested a plurality of members designed each to facilitate in the repairing of broken or disconnected parts of the machine, and whereby the necessary tools or implements carried by the nested members may be removed separately or in a body and arranged in a position convenient to the operator.

I also aim to produce a tool box which is adapted to be permanently attached to the running board of an automobile within which is nested a plurality of devices each adapted to serve a separate function in the repair or in the upkeep of the machine, one of said elements having its sides arranged with radially disposed partitions and between each of the partitions is arranged a spring member whereby a tool of a different nature may be deposited within each of the compartments and held therein by the pressure of the spring thereon, the said element being provided with interior spring elements designed to retain the central nested member therein, the box being provided with a hinged closure comprising a hollow member divided into a plurality of compartments, and each of the said compartments being provided with a hinged door and being designed to receive separate articles.

It is a still further object of the invention to produce a device of this character which shall embody the desirable features of cheapness and simplicity.

With the above and other objects in view the improvement resides in the construction, combination and arrangement of parts set forth in the following specification and falling within the scope of the appended claims.

In the drawings:

Figure 1 is a perspective view illustrating the application of the improvement,

Fig. 2 is a central vertical longitudinal sectional view through the improvement,

Fig. 3 is a sectional view taken at right angles to that of Fig. 2 but illustrating the closures for the box in its open position.

Fig. 4 is a perspective view of the combined tool and lantern holding member, and

Fig. 5 is a top plan view of the same.

Secured to the running board 1 of an ordinary automobile is the casing 2 of any improved tool box. The casing may be constructed of any desired material, metal preferred, and may be also of any desired shape and size, that illustrated by the drawings being in the nature of a tubular member having a closed bottom and an open top, the bottom being provided with apertures through which pass the elements which secure the casing to the running board and the open top having hingedly secured thereto a closure 3. The closure comprises a flanged member and is interiorly provided with a plurality of spaced box-like compartments 4 and 5, the compartments 4 being disposed in a line approximately central of the closure and the compartments 5 being arranged at a right angle with respect to the compartments 4. Each of the compartments is provided with a hinged closure 6 and a catch member 7 designed to lock the closures upon the respective compartments. The closure members open inwardly of the flanged closure 3 for the casing 2, and each of the compartments 4 and 5 is designed to receive a suitable article that may be necessary to the automobilist should his machine meet with an accident. The closure 3 for the casing 2, opposite its hinged connection with the casing is provided with a hasp 8 adapted to engage with a staple 9 provided upon the casing, while the shackle of a lock 10 may be received in the staple to lock the closure upon the casing.

Arranged within the casing 2 is a bucket member 11, the same having its top provided with a bead 12 and its bottom likewise provided with a bead 13, and these beads may be in the nature of spring members to exert a tension against the inner surface of the casing to prevent the longitudinal movement of the said bucket within

the casing, or the said beads may frictionally engage with the said inner surface of the casing 2 to effectively retain the bucket therein. This bucket forms an important part of this invention, as the same may be employed when removed from the box, as a drinking receptacle, as a means for filling the radiator of the machine, as a means for conveying gasolene or as a washing trough.

The numeral 15 designates the combined tool and lantern holder. The member 15 is in the nature of a tube but preferably has its bottom closed. Secured upon the outer periphery of the tubular member 15 is a plurality of radially disposed compartments 16. Each of these compartments is preferably formed of an angle member including a rounded body portion 17 and angularly disposed side flanges 18. The flanges 18 of the respective channeled members are adapted to abut and may be connected while the body member 17 of each of the said channel members may be likewise secured to the body of the tube 15. Connected, as at 19, to the outer periphery of the tubular member 15 are flat bowed spring members 20, one being disposed in each of the compartments 16 and the edges of the channeled members are adapted to frictionally contact with the inner surface of the bucket member 11 when the said member 15 is nested in the bucket. The inner wall of the bucket, it will be thus noted, provides the outer wall of the compartment 16, and the free end of the bowed springs 20 are flared outwardly, as at 21, so as to exert a pressure against a tool 22 when the same is arranged in the compartment as illustrated in Fig. 2 of the drawings. When the tools are so arranged it will be noted that the springs not only contact with the said tools but engage with the inner surface of the bucket 11, thus more effectively retaining the member 15 nested in the bucket member 11.

Secured within the tubular member 15 at a suitable distance above the closed bottom thereof, are bowed springs 23, the same extending downwardly toward the bottom of the said member 15, and these springs are adapted to exert a pressure against the base 24 of a lantern member 25 when the latter is nested in the tubular member 15. By this arrangement it will be noted that the lantern member may be easily positioned or readily removed from the member 15.

The arrangement whereby a great number of tools may be conveniently carried upon the automobile should appeal to those skilled in the art to which such inventions appertain, while the lantern forms a convenient, if not necessary, adjunct to the tools and the bucket. The advantages of the lantern are numerous, as should the lights upon the machine fail the lantern is available. Should the machine stall for want of gasolene or lubricant in the night time the lantern will serve to guide the operator to a place where gasolene or lubricant may be obtained, while still again, when repairs are to be made in the night or day, beneath the car, the lantern will be found of great convenience in the aid of the operator. In addition to this the bucket, when placed in a convenient position with respect to the operator may be employed for holding nuts, bolts or the like which otherwise might be misplaced or which when deposited upon the ground will become dirty requiring cleaning before the replacement thereof.

Having thus described the invention, what I claim is:

1. In a tool box for the purpose set forth, an outer casing having a hinged closure, a plurality of members nested in said casing, one of said members having radially disposed compartments upon the outer face thereof, spring members in the compartments, elements adapted to be arranged within the compartments to contact with the springs to force the said springs into engagement with the adjacent nested member, springs upon the inner surface of the referred to member designed to engage with the innermost nested member to retain the same in the said referred to member.

2. In a tool box designed to be attached to an automobile, a casing having a hinged closure, compartments in the closure, doors for the compartments, a plurality of members nested in the casing, and spring means between all of said members designed to engage with the adjacent member whereby to retain the said members in the casing.

3. In a tool box for automobiles, a casing attached to the running board of the automobile and comprising a cylindrical member, a closure for the member, compartments upon the closure, certain of which being arranged at a right angle to the other compartments, closures for each of the compartments, a plurality of members nested one within the other and in the casing, spring means upon the outer member contacting with the casing, the next adjacent member having its outer periphery provided with a plurality of channel members having their edges contacting and the said edges engaging with the first mentioned member, springs within the channel, springs within the last mentioned member adjacent the bottom thereof and said last mentioned springs contacting with the innermost member for removably retaining the same in the second mentioned member.

In testimony whereof I affix my signature.

WILLIAM C. McCOY.

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