

Jan. 15, 1924.

1,480,831

A. G. MURPHEY

ICE BOX FOR AUTOS

Filed Oct. 11, 1921

2 Sheets-Sheet 1

FIG. 1.

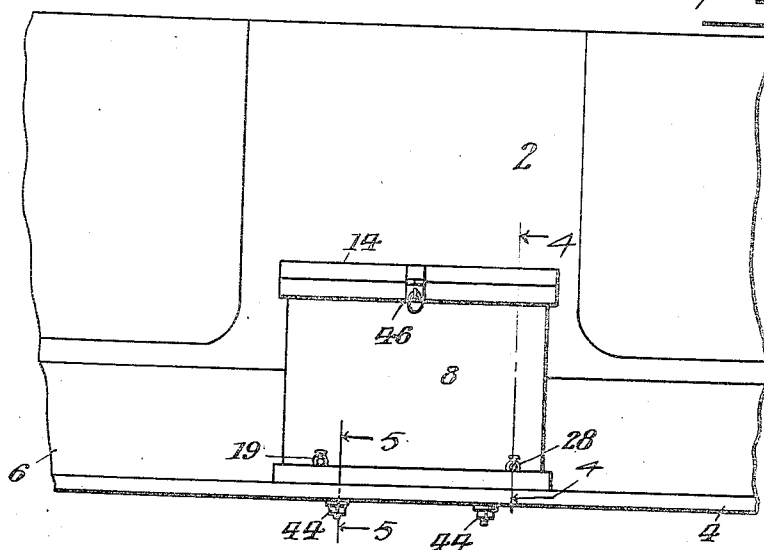


FIG. 2.

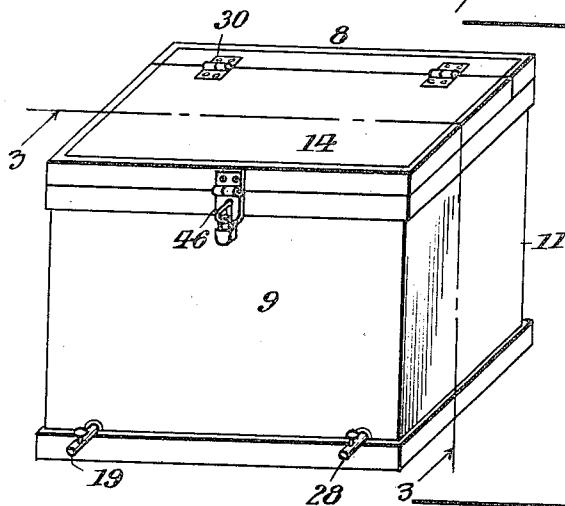
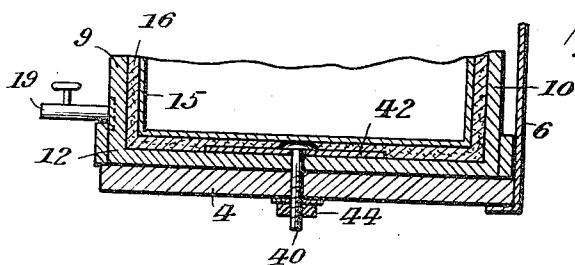


FIG. 5.



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2 Sheets-Sheet 2

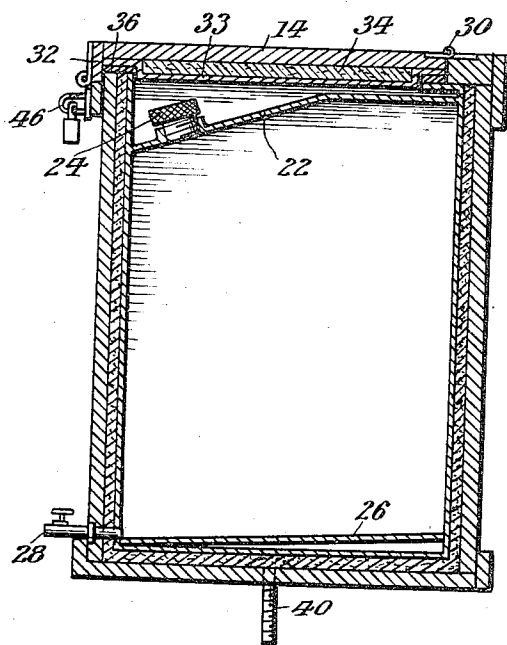
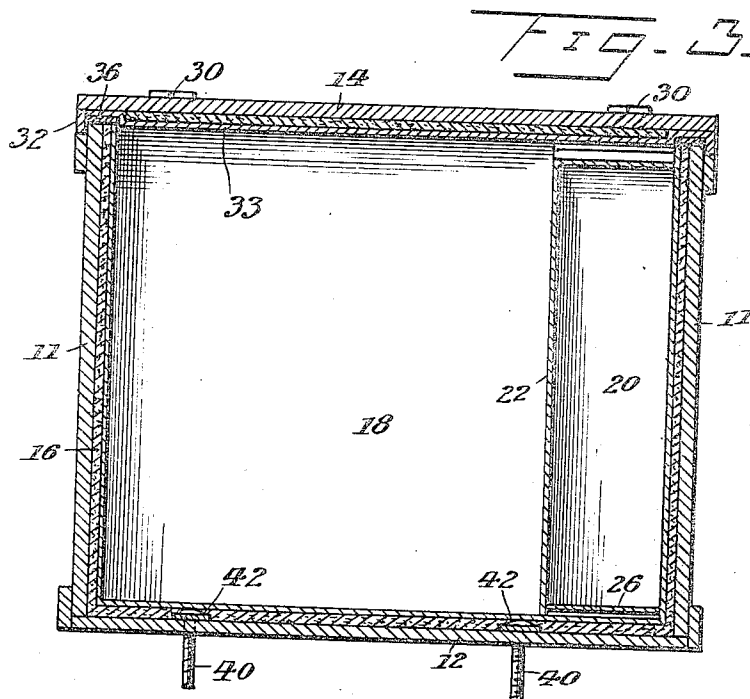
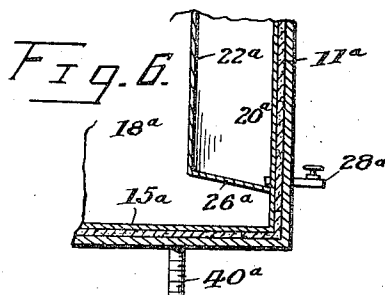


FIG. 4.



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UNITED STATES PATENT OFFICE.

ARTHUR G. MURPHEY, OF MERIDIAN, MISSISSIPPI.

ICE BOX FOR AUTOS.

Application filed October 11, 1921. Serial No. 507,022.

To all whom it may concern:

Be it known that ARTHUR G. MURPHEY, a citizen of the United States, residing at Meridian, in the county of Lauderdale and State of Mississippi, has invented certain new and useful Improvements in Ice Boxes for Autos, of which the following is a specification.

This invention relates to ice boxes especially adapted to be carried by an automobile and particularly upon the running board thereof.

It is an object of my invention to provide an ice box or cooling receptacle for containing and maintaining in a fresh and wholesome condition such articles as fruit or other perishable commodities, for a considerable length of time.

It is a further object of my invention to provide a receptacle for containing ice and soft drinks.

It is a further object of my invention to provide an ice box for automobiles, divided into compartments so that the ice in one compartment may be kept separate from a drinking water compartment.

It is a further object of my invention to provide an ice box which may readily be attached or detached from the running board of an automobile, and which is constructed to efficiently preclude heated air from the outside and preserve the refrigerated condition of the contents.

It is a further object of my invention to provide an ice box which is of substantial construction, which may be manufactured for sale at a moderate cost and which is of simple and few parts.

Referring to the accompanying drawings,—

Figure 1 is a side view of my ice box illustrating the same mounted upon the running board of an automobile;

Figure 2 is a top perspective view of the ice box;

Figure 3 is a vertical sectional view on the line 3—3 of Figure 2;

Figure 4 is a vertical sectional view on the line 4—4 of Figure 1 and,

Figure 5 is a detail sectional view on the line 5—5 of Figure 1.

Figure 6 is a fragmentary detailed section showing a slightly modified form of the invention.

Referring now more specifically to the drawings by numerals of reference, in which

the character designates like parts throughout the several figures, 2 indicates a conventional form of automobile having a running board 4 and dust shield 6.

The ice box designated generally by 8 comprising preferably a rectangular box-like construction having front and rear vertical walls 9 and 10 respectively, side walls 11, bottom 12 and top 14.

The outside walls, top and bottom may be of any suitable material, preferably wood, although sheet metal might well be substituted where desirable.

The box is provided with a lining 15 of galvanized sheet iron, which conforms to the shape of the outside wall structure. The outside wall structure and lining 15 are spaced slightly apart to receive a packing sheet of heat insulating material such as beaver board 16, and while I have referred specifically to beaver board, it will be understood any equivalent material may be substituted in lieu thereof.

The interior of the ice box is divided into a plurality of compartments 18 and 20, through the medium of a vertical partition 22 which is soldered to the front, rear and bottom walls of the inner lining 15. The compartment 18 is utilized as an ice compartment, and may serve to hold ice, along with bottled goods, such as soft drinks and milk, and in fact any other commodity which it is desired to maintain in a cooled condition. A drain cock 19 communicating with the water which collects in the bottom of the ice compartment.

The compartment 20 is utilized as a container for drinking water which is maintained in a cooled condition due to its proximity to the ice compartment and is provided with a filling opening arranged in the top 22' and closed by a removable screw cap 24. The water compartment is provided with an inclined false bottom 26 which served to completely discharge the contents through a faucet 28 passing through the wall of the ice box.

Access is had to the compartments 18 and 20 through the medium of a cover 14 hinged at 30 adjacent the rear edge of the top of the box and is provided at its front and side edges with a depending flange 32 which overhangs the top exterior edges of the box and affords an air tight closure.

The cover 14 is provided also with a spaced lining 33 with an intermediate heat

insulating packing sheet 34 of beaver board or other suitable material, and to further exclude ingress of heated air into the box, I provide the cover, at the point where it engages the top walls of the box, when closed, with a packing strip of felt or similar material 36.

The box is secured on the running board through the medium of bolts 40 which pass through the outer bottom wall 12 and reinforcing metal plates 42 arranged in the space intermediate the wall 12 and lining 15, the heads of said bolts 40 resting on said plates. This construction prevents the bolts pulling out of the bottom. Nuts 44 cooperating with the bolts 40 serve to secure the box on the running board.

A lock and hasp 46 serve the purpose of securely fastening the cover 14 in closed position. Any other suitable locking means, however, may be substituted.

The construction and arrangement of various parts of the ice box may be varied as desired; e. g., Figure 6 discloses a modified form of part of the device. In this view, the inner vertical wall or partition 22^a of the water compartment is turned at its lower end, as shown at 26^a to form the false bottom for the water compartment and which false bottom is inclined outwardly and downwardly and connected with the side wall of the lining 15^a, thereby completing the lower portion of the water compartment 20^a. In this modified form the faucet 28^a is shown as extending through the

side 11^a of the box structure. The device may be secured in position on the vehicle by bolts indicated at 40^a, the same as in the preferred form.

While the preferred embodiment of the invention has been shown and described, it is to be understood that minor details in the construction and arrangement of parts may be resorted to within the scope of what is claimed without departing from the spirit of the invention.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent is:

An ice box for automobiles, comprising a receptacle having heat insulated walls, bottom and cover, said cover being hinged, a metallic lining for said receptacle, a partition dividing said receptacle into a plurality of compartments for holding respectively a quantity of ice and edibles, commodities and drinking water, a false inclined bottom for said drinking water compartment, a separate cover for said drinking water compartment provided with a filling opening therein and having a removable closure associated therewith, reinforcing metal plates disposed between said inner lining and the bottom of said receptacle, and fastening means extending through said plates and bottom for securing said receptacle to the running board of an automobile.

In testimony whereof, I affix my signature.

ARTHUR G. MURPHEY.