June 21, 1932. P. S. CAMPBELL 1,864,040

CONTAINER

Filed Feb. 1, 1929

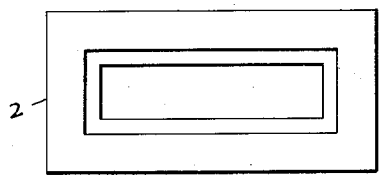


Fig. 3

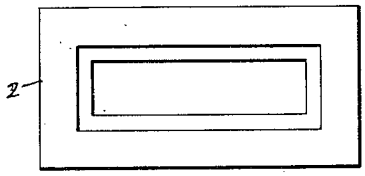


Fig. 4.

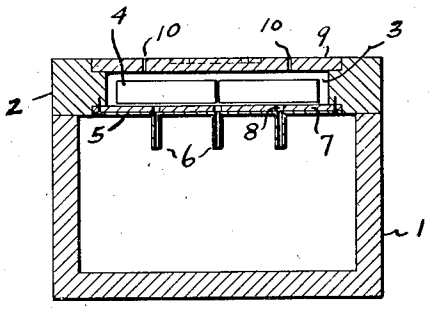


Fig. 2

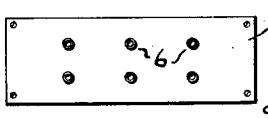


Fig. 5.

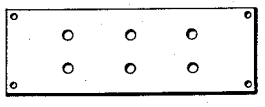

Fig 6

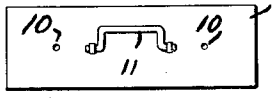


Fig. 7.

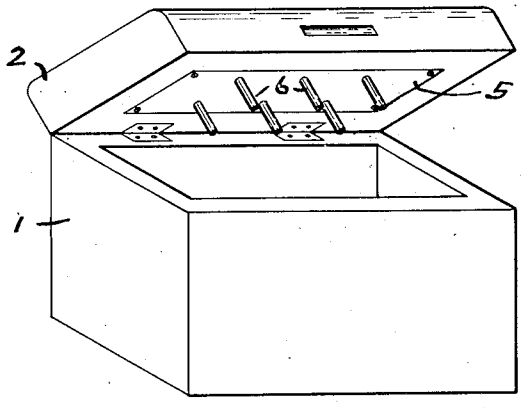


Fig. 1.

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# UNITED STATES PATENT OFFICE

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## CONTAINER

Application filed February 1, 1929. Serial No. 336,729.

This invention relates to new and useful improvements in a container.

One object of the invention is to provide a container of the character described specially designed for containing perishable merchandise such as fruits and the like which must be kept cool to prevent decay.

Another object of the invention is to provide a container for a compartment for the articles to be preserved and also having a compartment for a frigid substance to cool the compartment containing the fruit or other articles to be preserved.

A further feature of the invention resides in the provision of a container which is very compact and wherein the articles of merchandise to be preserved as well as the refrigerant may be contained as well as inclosed and which is convenient for storage or shipment.

With the above and other objects in view the invention has particular relation to certain novel means of construction, arrangement of parts, operation and use, an example of which is given in this specification and illustrated in the accompanying drawing wherein:

Figure 1 shows a perspective view of the container shown in open position.

Figure 2 shows a sectional view thereof.

Figures 3 and 4 show top and bottom views of the cover.

Figure 5 shows a bottom plan view of the inside cover plate.

Figure 6 shows a plan view thereof, and

Figure 7 shows a plan view of the outside cover plate.

Referring now more particularly to the drawing, wherein like numerals of reference designate similar parts in each of the figures, numeral 1 designates a box like container composed of any suitable material, preferably of wood or other non-conducting material and having thick walls and the numeral 2 designates generally the cover which is hinged to said container. The container is designed to contain the articles to be stored or shipped. In the cover 2 there is a compartment 3 to receive a refrigerant as 4. This refrigerant is a chemical product commonly known as dry ice which melts, or dissolves very slowly. The cover 2 has a sheet metal inside plate 5 having a plurality of depending tubes 6 and the plate 5 is lined with a thin sheet preferably formed of balsam wood, having the perforations as 8 aligned with the tube and the refrigerant rests on said sheet. The margins of the plate 5 and its lining sheet 7 are countersunk into the cover 2 and suitably secured thereto the cover 2 has an outside removable cover plate 9, counter sunk into and suitably secured to the cover 2 and which is provided with the vents 10, 10 and the handle 11. The cold gas in the chamber 3 passes down through the tubes 6 and is distributed throughout the contents of the container 1, the surplus fumes passing out through the vents 10. The tubes 6 are specially provided for conducting the $CO_2$ gas well down into the container 1 and may be made of any length for this purpose.

While I have shown what I now consider to be the preferred form of the invention it is obvious that mechanical changes may be made therein and equivalents substituted for the parts shown within the principle of the invention.

What I claim is:—

A container having a storage compartment, a cover therefor, said cover having a refrigerant compartment, the bottom of said refrigerant compartment being formed of a perforated metal plate having a wood lining, tubes aligned with the perforations of said plate and depending into the storage compartment, said cover having an outside removable cover plate forming the top of the refrigerant compartment and having vents therethrough.

In testimony whereof I have signed my name.

PHILIP S. CAMPBELL.