

No. 889,681.

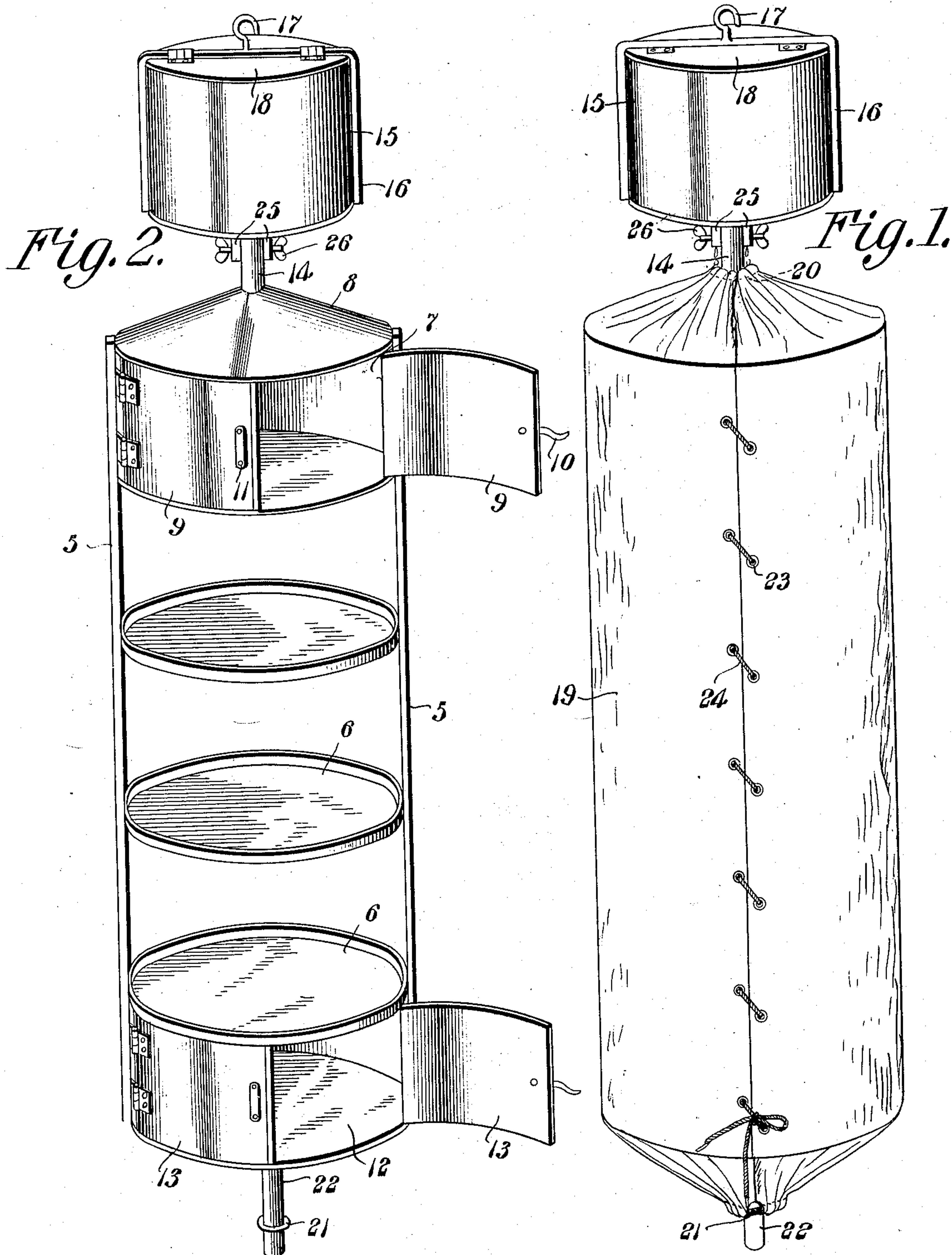
PATENTED JUNE 2, 1908.

P. HAY.

NOW BY MARRIAGE, P. DAVIS.

MILK COOLER.

APPLICATION FILED DEC. 21, 1906.



WITNESSES:

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UNITED STATES PATENT OFFICE.

PERRIE HAY, (NOW BY MARRIAGE PERRIE DAVIS,) OF MINERAL WELLS, TEXAS.

MILK-COOLER.

No. 889,681.

Specification of Letters Patent.

Patented June 2, 1908.

Application filed December 21, 1906. Serial No. 348,959.

To all whom it may concern:

Be it known that I, PERRIE HAY, a citizen of the United States, residing at Mineral Wells, in the county of Palo Pinto and State of Texas, have invented a new and useful Milk-Cooler, of which the following is a specification.

This invention relates to milk coolers and has for its object to provide a comparatively simple and inexpensive device of this character by means of which the milk or other contents of the cooler may be maintained at a uniformly low temperature without the employment of ice or other refrigerant.

A further object of the invention is to provide a receptacle adapted to be suspended from a suitable support and provided with a plurality of food-supporting trays or compartments, said receptacle being inclosed in a casing or fabric jacket on which is deposited a small stream of water so that the evaporation of the water will cool the contents of said receptacle.

A still further object of the invention is to generally improve this class of devices so as to increase their utility, durability and efficiency.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, and illustrated in the accompanying drawings, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a cooler constructed in accordance with my invention. Fig. 2 is a similar view with the fabric jacket removed, one of the doors of the upper and lower compartments being shown in open position.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved device comprises a supporting frame consisting of parallel side bars 5 to which are soldered, riveted or otherwise secured a plurality of spaced food-containing trays 6.

Arranged at the upper end of the frame and secured in any suitable manner to the side bars 5 is a compartment or chamber 7 the cover 8 of which is substantially conical in

shape, as shown and serves to connect the upper ends of the side bars 5.

The compartment 7 is provided with a pair of outwardly swinging pivoted doors 9 one of which is provided with a suitable catch 10 adapted to engage a keeper 11 secured to the opposite door when said doors are moved to closed position.

Disposed at the lower end of the frame and secured in any suitable manner to the side bars 5 is an auxiliary compartment 12 the top of which is preferably formed by the adjacent food-supporting tray 6, said compartment being provided with pivoted doors 13 similar in construction to the doors 9.

Secured to the apex of the cover 8 is a rod or post 14 on which is mounted a water supply tank 15, the latter being preferably reinforced and strengthened by a bead or flat strip of metal 16 which extends transversely across the top of the tank and down both sides thereof.

Secured to the bar 16 is a hook 17 by means of which the cooler may be suspended from a tray or other suitable support, and pivotally mounted on the bar 16 is a closure 18 so that water may be conveniently introduced into the tank 15.

The frame is preferably incased in a fabric jacket 19 one end of which engages the conical shaped top or cover 8 and is secured to the post or standard 14 by a draw string 20 while the opposite end thereof is secured to a ring or flange 21 carried by a rod section 22 depending from the bottom of the compartment 12. The food compartment or casing 19 is split longitudinally and provided with one or more eyelets 23 in which is threaded a cord 24 for securing the adjacent longitudinal edges of the jacket 19 in contact with each other.

Depending from the bottom of the tank 15 and bearing against the post 14 are depending nozzles 25 for feeding the water from the tank 15 to the jacket 19, said nozzles being provided with suitable stop cocks or valves whereby the quantity of water from the tank may be regulated at will.

It will thus be seen that the water by capillary attraction will follow the course of the fabric jacket so that the latter becomes thoroughly soaked and by the evaporation of the water constantly cools the contents of the trays or compartments.

In order to obtain access to the upper or

lower compartments it is merely necessary to loosen the draw string 24 and push the longitudinal edges of the fabric jacket laterally when the contents of the compartments or trays will be exposed so as to permit the same to be readily removed.

It will of course be understood that the cooler may be made of different sizes and shapes and provided with any number of compartments or food-containing trays.

From the foregoing description it will be seen that there is provided an extremely simple, inexpensive and efficient device admirably adapted for the attainment of the ends in view.

Having thus described the invention, what is claimed is:

In combination, a pair of upper and lower cylindrical casings of equal diameter, each having a door, the top of the upper casing being conical and the top of the lower casing having a peripheral flange to form a tray, a

pair of vertical side bars rigidly connecting the two casings, a plurality of trays secured to the side bars at points between the casings, a water tank, a central post or bar connecting the bottom of the tank to the conical top of the upper casing and forming a suspension means, a valved water nozzle leading from the bottom of the tank, a flanged rod depending from the center of the lower casing, and a fabric jacket surrounding the casings and trays, the upper end of the jacket being gathered around and secured to the post or bar and the lower end of the jacket being secured to the flanged rod and being thereby held from displacement.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

PERRIE HAY.

Witnesses:

J. H. SMITH,
H. N. FROST.