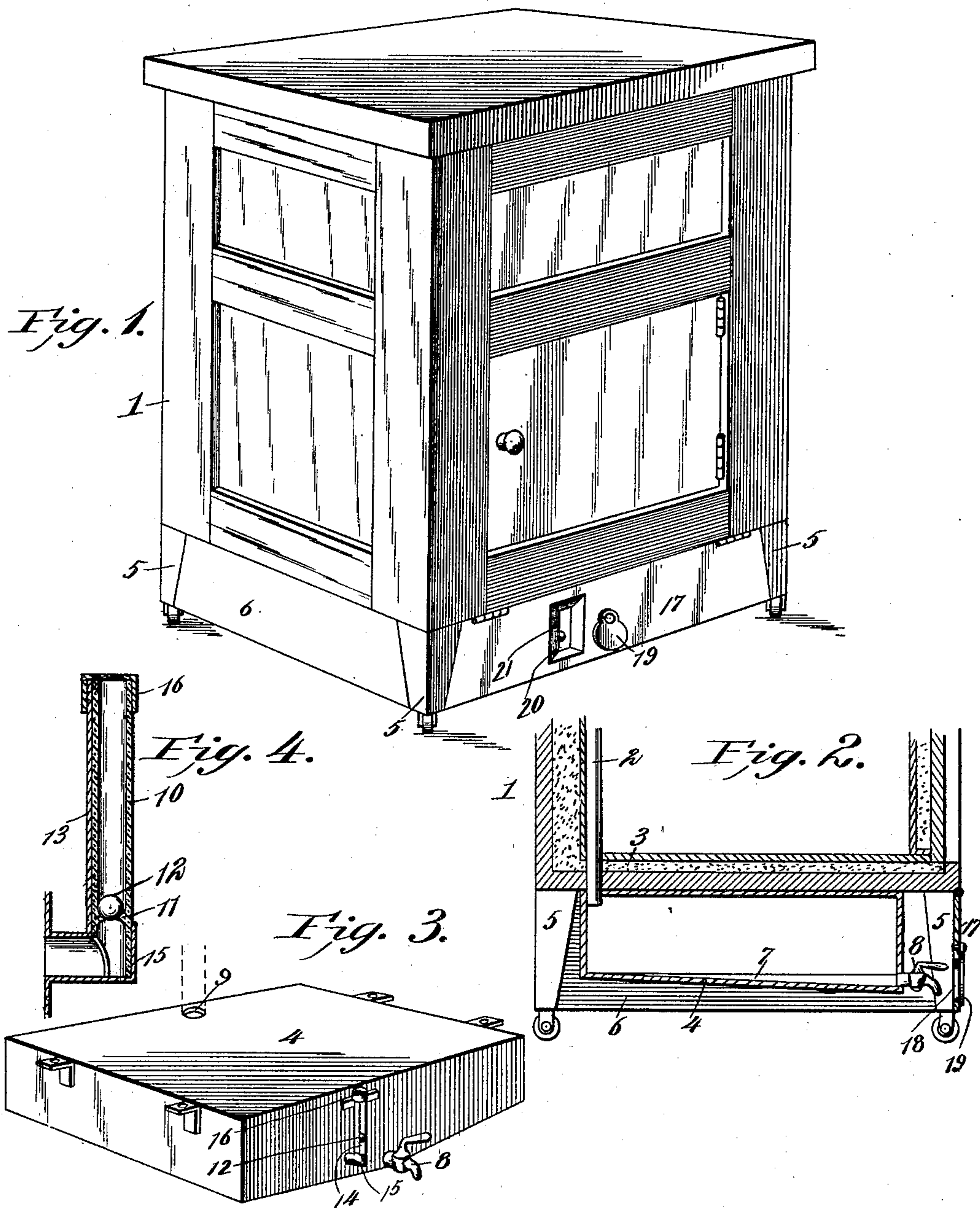


No. 671,798.

Patented Apr. 9, 1901.

J. HAMILTON.
REFRIGERATOR TANK.
(Application filed Oct. 12, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES HAMILTON, OF NEWBURGH, NEW YORK.

REFRIGERATOR-TANK.

SPECIFICATION forming part of Letters Patent No. 671,798, dated April 9, 1901.

Application filed October 12, 1900. Serial No. 32,861. (No model.)

To all whom it may concern:

Be it known that I, JAMES HAMILTON, a citizen of the United States, residing at Newburgh, in the county of Orange and State of New York, have invented a new and useful Refrigerator-Tank, of which the following is a specification.

This invention relates to a drip-tank attachment for refrigerators; and the object of the same is to provide simple and effective means for containing the drip-water from a refrigerator and prevent the same from running over the surface on which the latter rests, and thereby avoid unhealthy and unsanitary conditions, and also to provide means in connection with the tank for indicating the amount of water therein and for conveniently draining the same.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of a refrigerator, showing the improved drip-tank applied thereto. Fig. 2 is a transverse vertical section of a portion of the refrigerator and of the tank. Fig. 3 is a detail perspective view of the tank. Fig. 4 is an enlarged sectional view of a gage attachment for the tank.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates a refrigerator of any preferred form of construction provided with the usual drip-pipe 2 from the ice-chamber, the said pipe extending through the bottom 3 of the refrigerator at the rear. To the said bottom 3 the improved drip-tank 4 is secured and is closed on all sides of the same, and between the legs 5 covering-strips 6 are preferably secured at the sides and rear of the refrigerator to shield or protect the adjacent portions of the tank. The tank is constructed of suitable non-conducting light sheet metal, and the bottom 7 is inclined downwardly from the sides toward the center portion, and the latter is also gradually inclined downwardly from the rear toward the front, and to the greatest centrally-depressed portion at the front a drain-cock 8 is

attached for completely relieving the tank of water, which enters the latter through a rear opening 9 from the drip-pipe 2. It is also proposed and intended to apply to the tank means for automatically operating a suitable signal, such as a bell, to thereby give notice to a person or persons at a distance from the refrigerator that the tank has become filled with water in order that it may be relieved and prevent the water from backing up in the drip-pipe.

To one side of the center of the front of the tank a gage is applied, and comprises a gage-glass 10, having a lower apertured contracted portion 11 to provide a seat for a spherical float 12, preferably formed of spun aluminum. This glass is fitted in a vertical socket 13, having an opening 14 at the front and a lower elbow 15 attached to the tank and forming the means of communication between the said tank and the gage, and on the upper end of the glass and socket a cap 16 is removably fitted. In the operation of this gage it will be understood that the spherical float is elevated as the water rises in the tank and correspondingly in the glass, and by providing the lower reduced or contracted float-seat in the glass the float will always be in condition for operation and lodgment thereof in a resisting manner in the lower portion of the socket will be prevented, and thus an angular joint of the elbow with the socket proper can be employed.

At the front of the refrigerator, at a suitable distance in advance of the front side of the tank, a movable flap 17 is located and hinged at its upper edge to the lower front portion of the refrigerator. This flap can be raised and lowered at will, and at the center thereof, in front of the drain-cock 8, an opening 18 is formed and normally closed by a hinged slide 19, and by this means the said drain-cock is rendered accessible without elevating the flap. The portion of the flap in front of the gage is also formed with a vertical slot 20, having beveled walls 21 for exteriorly exposing the gage.

The improved tank attachment with its particular construction and incidental complementary features will be found exceptionally useful and beneficial in promoting sani-

tary conditions in and around a refrigerator. The cost of application is comparatively small, and though the preferred form has been shown it is obvious that detail changes
 5 may be made within the purview of the invention.

Having thus described the invention, what is claimed as new is—

1. The combination with a refrigerator, of
 10 a drip-water tank secured to the bottom thereof and having a central forwardly and downwardly inclined depending ridge, a front drain-cock at the lowest point of the ridge, and a water-gage at the front to one side of
 15 the center, covering-strips completely over the sides and rear portion of the tank between the legs of the refrigerator, and a front hinged flap having an opening therein through which to reach the said cock and normally

covered by a slide, and also provided with a
 20 slot with beveled walls to expose the gage.

2. A completely-closed drip-water tank for a refrigerator having a gage at the front portion comprising a vertical glass with a lower
 25 contracted apertured float-seat 11 above the lower terminal thereof, a spherical float in said glass formed of spun aluminium, and a vertical socket for receiving the lower portion of the glass below the plane of the float-seat
 30 and having a lower right-angular elbow for attachment to the tank.

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

JAMES HAMILTON.

Witnesses:

H. R. LYDECKER,
 JABEZ WILKINS.