

(No Model.)

E. C. PAETOW.
REFRIGERATOR LEAK ALARM.

No. 531,557.

Patented Dec. 25, 1894.

Fig. 1.

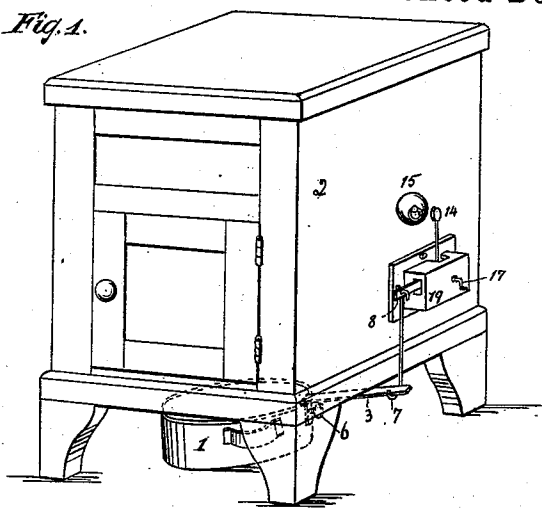


Fig. 2.

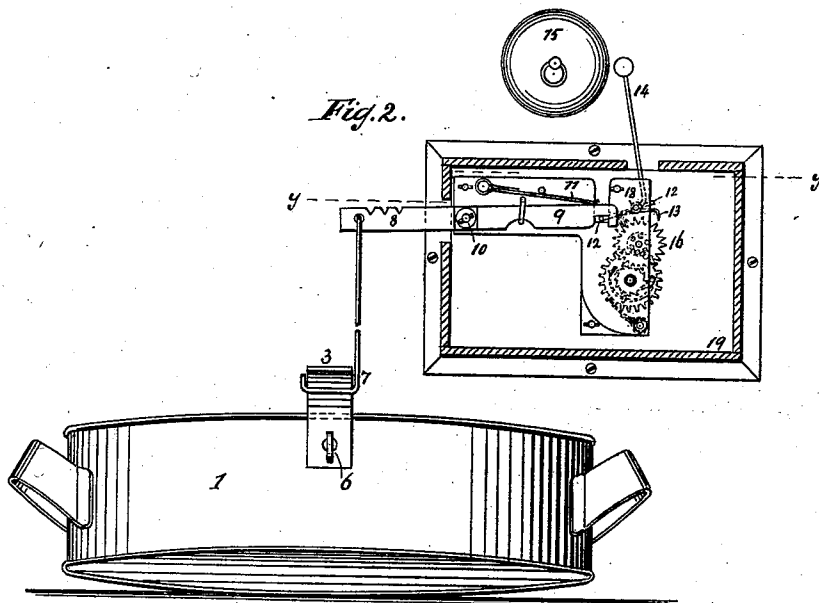
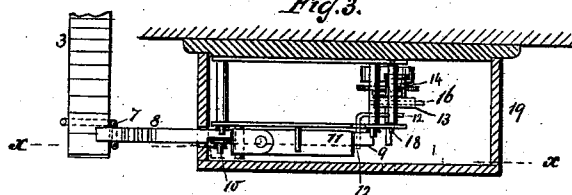


Fig. 3.



WITNESSES:

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REFRIGERATOR-LEAK ALARM.

SPECIFICATION forming part of Letters Patent No. 531,557, dated December 25, 1894.

Application filed July 19, 1894. Serial No. 518,001. (No model.)

To all whom it may concern:

Be it known that I, EUGEN C. PAETOW, a subject of the German Emperor, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Devices for Preventing Overflow of Water, of which the following is a specification.

The object of this invention is to provide an overflow alarm for drip pans for refrigerators and the like, said device comprising an alarm which is actuated when a certain quantity of water has collected thus indicating the necessity of emptying the pan and the invention resides in the novel features of construction set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a perspective view of the alarm. Fig. 2 is a front elevation of the alarm sectioned along $x x$ Fig. 3. Fig. 3 is a section along $y y$ Fig. 2.

The drip pan 1 is adapted to catch the drippings from a refrigerator or cooler 2. To said pan is connected an arm 3 made suitably attachable as by the fork adapted to clasp an edge of the pan and secured by thumb screw 6. This arm 3 is placed on or suspended from a hook or catch 7 so that an edge of pan 1 is somewhat raised off the floor, part of the weight of pan 1 thus acting on hook or link 7. The hook 7 is connected to a lever 8 and 9 fulcrumed at 10 and having its arm 9 pressed by spring 11 into contact with stud 12 extending from shaft 18 of the escapement or anchor movement 13 from which extends the hammer 14 toward the bell 15. A toothed wheel 16 actuated by a clockwork or train of wheels is adapted to actuate the escapement 13. A crank key or handle 17 is provided for winding up the clock movement.

The spring 11 while pressing lever arm 9 into contact with the escapement 13 holds the latter against actuation by wheel 16 but when the pan 1 is filled to the proper limit the weight of the pan and contents will lift lever arm 9 against pressure of spring 11 so as to free escapement 13, whereupon the wheel 16 begins to revolve to vibrate the escapement with the hammer 14, which latter sounds the bell or alarm 15 to indicate the necessity of emptying the pan. The frame carrying the wheel 16 with its contiguous parts can be conveniently secured to a side of the refrigerator 2 and protected by a box or cover 19.

What I claim as new, and desire to secure by Letters Patent, is—

1. An alarm provided with a releasing lever in combination with a pan or vessel having attached thereto a supporting arm and a connection between said supporting arm and releasing lever for supporting a portion of the weight of said pan or vessel, substantially as described.

2. An alarm mechanism comprising a toothed wheel and an escapement or anchor movement actuated by said wheel, in combination with a lever fulcrumed between its ends and at one end normally held in engagement with the anchor movement to prevent the action of the latter, and a pan or vessel suspended from the other end of said lever, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

EUGEN C. PAETOW.

Witnesses:

WM. C. HAUFF,
E. F. KASTENHUBER.