

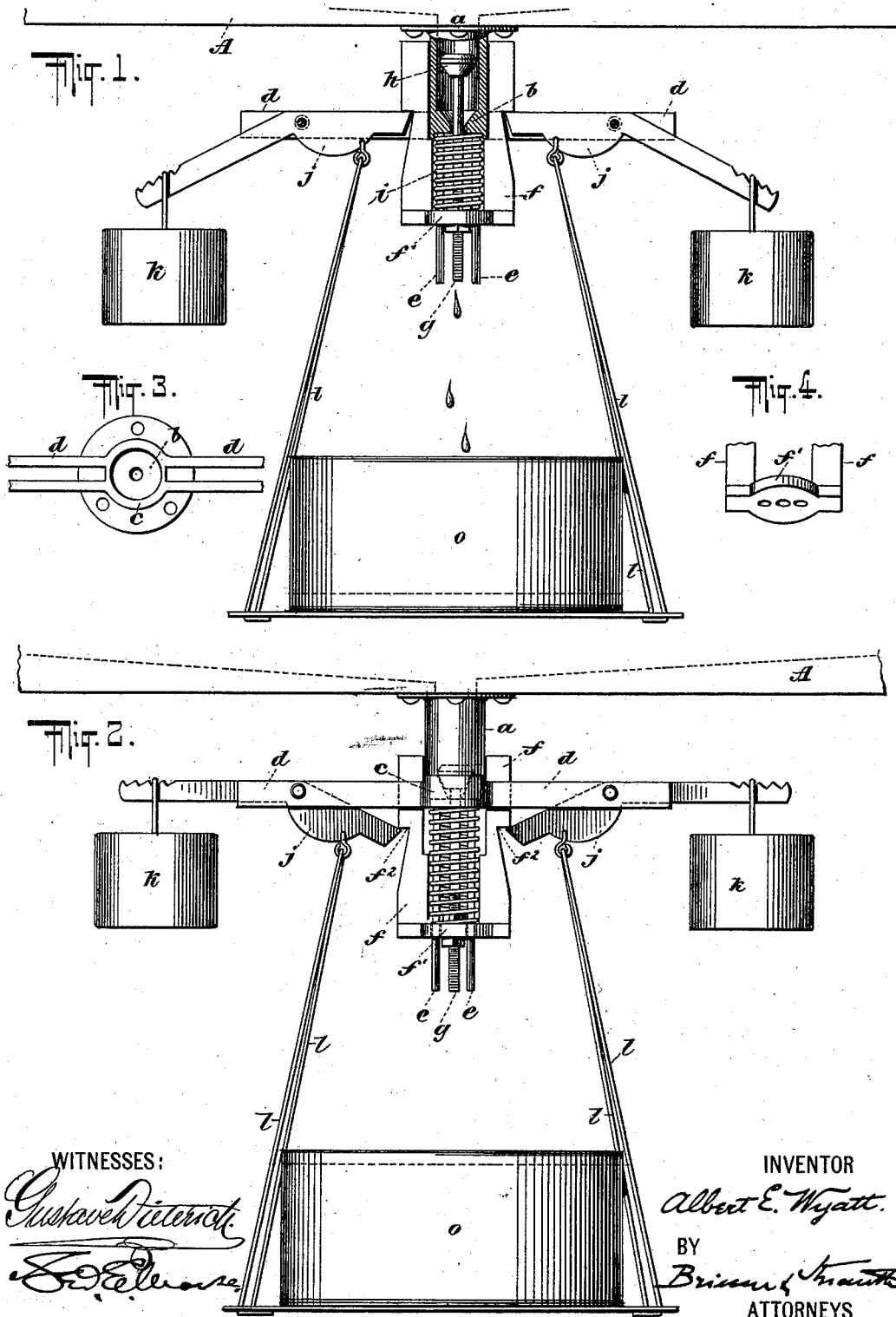
No. 647,285.

Patented Apr. 10, 1900.

A. E. WYATT.
REFRIGERATOR OVERFLOW DEVICE.

(Application filed Dec. 7, 1899.)

(No Model.)



UNITED STATES PATENT OFFICE.

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REFRIGERATOR OVERFLOW DEVICE.

SPECIFICATION forming part of Letters Patent No. 647,285, dated April 10, 1900.

Application filed December 7, 1899. Serial No. 739,475. (No model.)

To all whom it may concern:

Be it known that I, ALBERT EDWARD WYATT, a citizen of the United States, residing at Jersey City, Hudson county, New Jersey, have invented certain new and useful Improvements in Refrigerator Overflow Devices, of which the following is a specification.

My invention relates to refrigerator overflow devices and will hereinafter be described strictly with reference thereto, it being understood, however, that this procedure is resorted to solely for the purpose of giving a full, clear, and exact description of one form of structure embodying my invention and that I do not thereby limit my invention either to the structure shown or to the employment of my invention with a refrigerator. Structures embodying my invention may be applied to a variety of uses without departing from my invention, as will be readily understood by those skilled in the art.

In the accompanying drawings I have shown a device embodying my invention, partly in elevation and partly in section, in Figure 1. In Fig. 2 I have shown the same structure with the parts in different positions. Fig. 3 is a fragmentary plan view showing a collar hereinafter referred to, and Fig. 4 is a perspective view of a yoke hereinafter referred to.

In the drawings, A represents the body of the refrigerator, and *a* the drip-escape or overflow-pipe thereof. This pipe is provided with a partition formed by the valve-seat *b*. The pipe *a* supports a suitable collar *c*, which collar is shown as provided with arms *d*.

By referring to the plan view, Fig. 3, it will be seen that two of these arms project parallelly in one direction and two project parallelly in the opposite direction from the collar *c*. The pipe *a* is provided with guide-rods *e*, upon which a suitable yoke *f* is guided. This yoke *f* is likewise apertured for the passage of a threaded valve-rod *g*, which is provided with a suitable valve *h*, preferably a piston-valve in the construction shown. The valve-stem *g* receives two nuts by which the said valve-stem is rigidly secured to the head *f'* of the yoke. A spring *i* intervenes between the lower end of the pipe *a* and the head *f'* of the yoke *f* and serves to move the yoke to seat the valve when the yoke is released. The yoke *f* is shown as provided with

a plurality of notches *f*², which notches are adapted to coöperate with the forward ends of pivoted levers *j*. These levers *j*, as will be seen, are pivoted between the parallel arms *d* and are provided at their rear or free ends with notches to accommodate the suspension members of suitable weights *k*. Suitable suspension devices or rods *l* are hung from the forward portions of the levers *j* and support a platform *m*, suitable for supporting a vessel *o*. When the yoke is placed in an elevated position and the empty vessel *o* placed upon the platform *m*, the weights *k* will serve to hold the yoke in its elevated position, and thereby maintain the valve away from its seat, thereby permitting liquid to pass through the pipe *a* and to drop into the vessel. When the vessel becomes full, as shown in dotted lines in Fig. 2, or sufficient liquid falls therein to counterbalance the weights *k*, the forward ends of the levers are thereby swung downward, permitting the yoke *f* to descend, and thereby bringing the valve *h* firmly against its seat *b* through the medium of the spiral spring *i*.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a device for stopping the flow of water into a vessel at a predetermined time, the combination of a valve, a platform adapted to contain a vessel receiving liquid through the medium of the said valve and a counterbalanced supporting device for the valve from which the platform is supported.

2. In a device of the character described, the combination of a valve with means for seating the same, a yoke and a counterbalanced supporting device for the yoke provided with means for supporting a vessel receiving liquid from the said valve.

3. In a device of the character described, the combination of a valve, a yoke adapted to support the said valve free from contact with its seat and counterbalanced pivoted levers adapted to support the said yoke and means for supporting a vessel by the said counterbalanced pivoted levers, substantially as and for the purposes described.

4. In a device of the character described, the combination of a spring-seated valve, a plurality of pivoted levers adapted to support

the said valve free from contact with its seat,
the said levers being counterbalanced and
provided with means for supporting a vessel
adapted to receive liquid through the medium
5 of the said valve.

5. In a device of the character described,
the combination of a spring-seated valve, a
notched yoke adapted to support the said
valve free from contact with its seat and a

counterbalanced supporting device for the 10
said yoke provided with means for support-
ing a vessel receiving liquid from the said
valve.

ALBERT E. WYATT.

Witnesses:

GEO. E. MORSE,
OTTO V. SCHRENK.