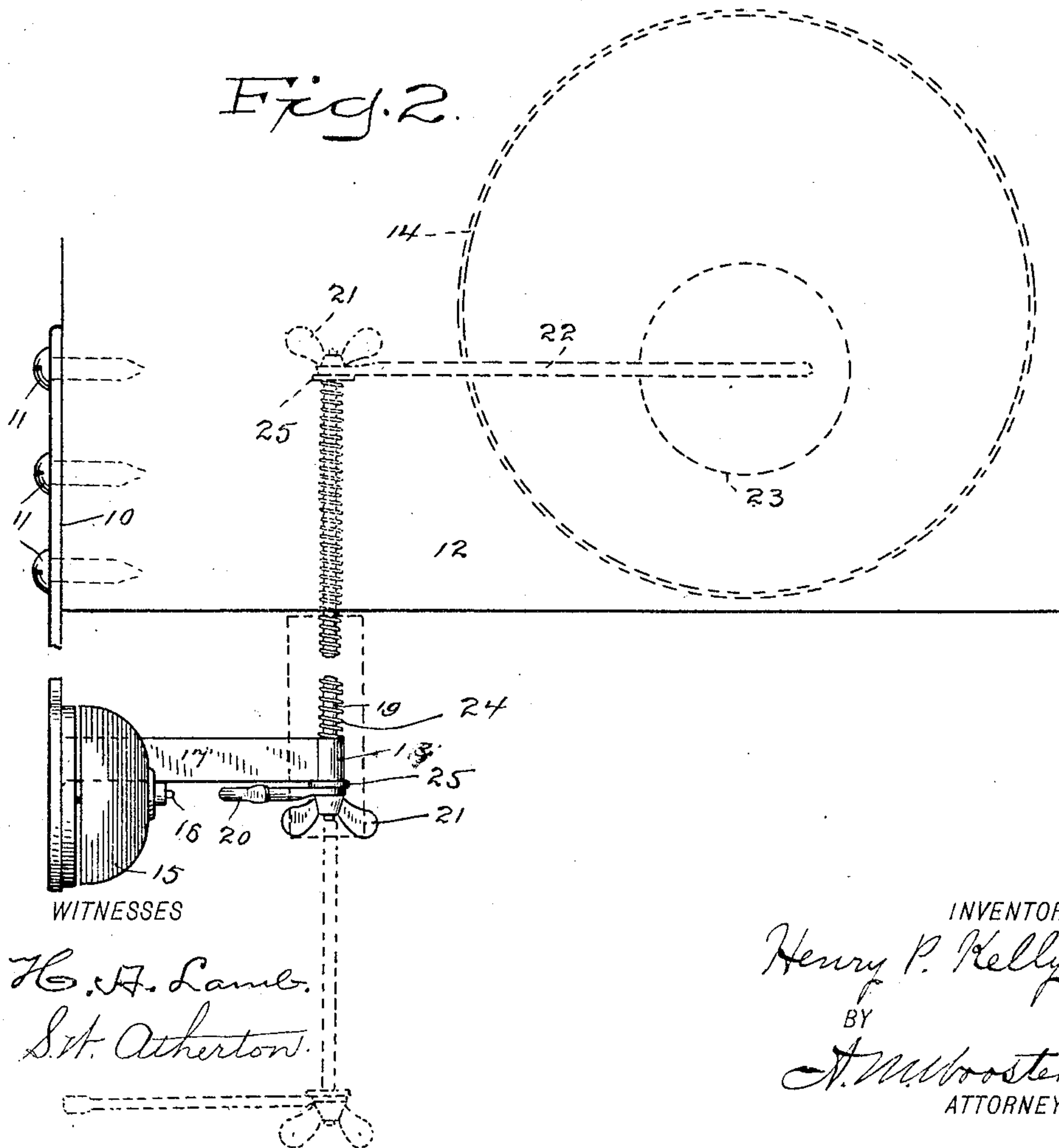
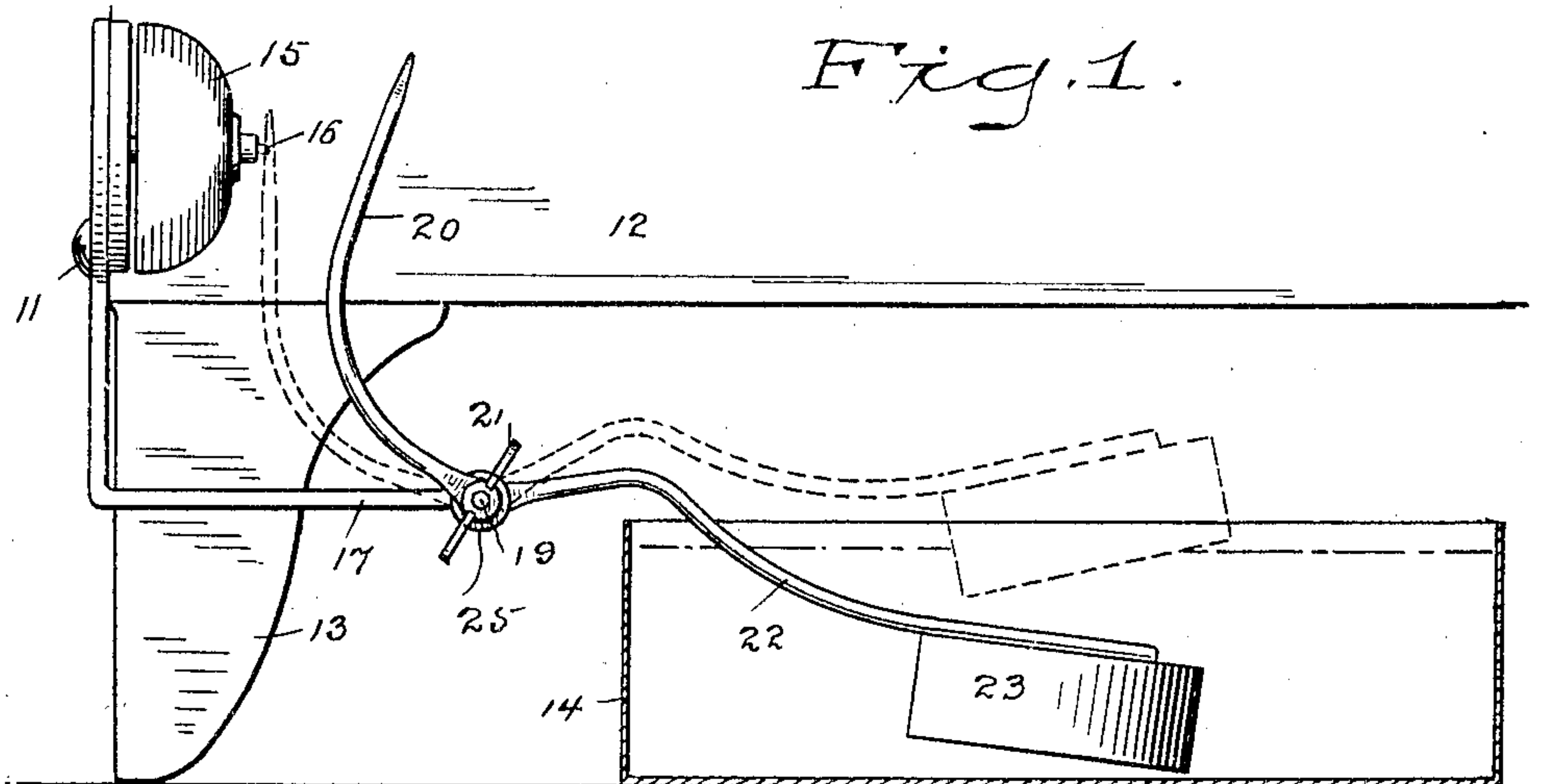


No. 871,873.

PATENTED NOV. 26, 1907.

H. P. KELLY.
REFRIGERATOR ALARM.
APPLICATION FILED JUNE 12, 1907.



UNITED STATES PATENT OFFICE.

HENRY P. KELLY, OF SHELTON, CONNECTICUT.

REFRIGERATOR-ALARM.

No. 871,873.

Specification of Letters Patent.

Patented Nov. 26, 1907.

Application filed June 12, 1907. Serial No. 378,548.

To all whom it may concern:

Be it known that I, HENRY P. KELLY, a citizen of the United States, residing at Shelton, county of Fairfield, State of Connecticut, have invented a new and useful Refrigerator-Alarm, of which the following is a specification.

This invention has for its object to provide a simple and inexpensive alarm which may be readily attached to any refrigerator and will be operated by the rising of the water in the drip pan above a predetermined height.

With these and other objects in view I have devised the novel alarm of which the following description in connection with the accompanying drawing is a specification, reference characters being used to indicate the several parts:

Figure 1 is an elevation of one end of the lower portion of a refrigerator illustrating the application thereto of my novel alarm, a drip pan under the refrigerator being in section, and the float and operating arm being shown in full lines in the normal or inoperative position and in dotted lines in the operative position; and Fig. 2 is a plan view corresponding therewith, the float and drip pan being indicated by dotted lines.

10 denotes a base plate which is provided with holes to receive screws 11 and is adapted for attachment to the end of a refrigerator which is indicated by 12. The body of the refrigerator is supported by legs 13, one only being shown, leaving ample space under the refrigerator to receive a drip pan indicated by 14. The base plate extends a short distance in front of the refrigerator and carries a bell 15. The special style of bell used is, of course, immaterial, so far as the principle of the invention is concerned, it being sufficient for the purposes of this specification to state that the bell is provided with an actuating member 16 which is adapted to be engaged by an actuating arm, as will be more fully explained. In the present instance I have indicated an ordinary rotating spring actuated bell, the spring of which is wound by rotation of the bell and is released by a centrally placed actuating member.

17 denotes an arm which extends, in the present instance, downward and forward from the base plate and is provided with an eye 18 in which a shaft 19 is mounted to oscillate freely and also to move longitudinally, the ends of the shaft being reduced and

threaded. At the outer end of the shaft is an actuating arm 20 for the bell, which is detachably and adjustably secured to the shaft by means of a thumb-nut 21 engaging a thread. At the inner end of the shaft is an arm 22 which carries a float 23 adapted to lie within the drip pan. This arm likewise is detachably and adjustably secured to the shaft by means of a thumb-nut 21 engaging a thread (see dotted lines in Fig. 2).

24 denotes a spring surrounding the shaft and acting against eye 18 and the float arm to hold the shaft inward. 25 denotes washers on the reduced ends of the shaft and engaging shoulders on the shaft (not shown). These washers are engaged by the inner faces of the actuating and float arms, which are clamped between the washers and the thumb-nuts. By making the actuating and the float arms adjustable on the shaft, I make it easy to adjust the device to the varying conditions of use; for example, to different sized drip pans, and also make it convenient to so adjust the actuating arm and float arm that the alarm will be sounded when the water has risen to any desired height in the drip pan so as to prevent the drip pan from getting inconveniently filled.

The function of the spring is to normally retain the shaft at the inner extreme of its movement with the actuating arm in alignment with the actuating member of the bell and the float in the drip pan. The float may be lifted above the drip pan by oscillation of the shaft and held there while the drip pan is removed, or it may be drawn out with the drip pan by sliding the shaft longitudinally in the eye, or the shaft may be drawn outward, as in dotted lines in Fig. 2 and the float drawn out in front of the refrigerator and turned upward out of the way, as in dotted lines in Fig. 2, in which position it will be retained by the spring or by the engagement of the actuating arm with the floor.

Having thus described my invention, I claim:

1. An alarm of the character described comprising a base plate, a bell carried thereby and provided with an actuating member, an arm extending from the base plate and provided with an eye, a shaft journaled in said eye, an actuating arm adjustably secured to the outer end of said shaft and adapted to engage the actuating member, an

arm adjustably secured to the inner end of said shaft and a float carried by said inner arm.

2. An alarm of the character described comprising a base plate, a bell secured thereto and provided with an actuating member, an arm extending from the base plate and provided with an eye, a shaft mounted to oscillate in said eye, an actuating arm at the outer end of said shaft, a float arm at the inner end of said shaft, a float carried by the float arm and a spring surrounding the shaft and bearing against the eye and the float arm, substantially as described, for the purpose specified.

3. An alarm of the character described comprising a base plate, a bell carried thereby and provided with an actuating member, an arm extending from the base plate and carrying an eye, a shaft mounted to oscillate in said eye, said shaft being provided with threaded ends, an actuating arm at the outer end of said shaft which is adapted to engage

the actuating member, a float arm at the inner end of said shaft, thumb-nuts engaging the threaded ends of the shaft to retain said arms adjustably in place and a spring bearing against the eye and the float arm, substantially as described, for the purpose specified.

4. An alarm of the character described comprising a bell having an actuating member, an oscillatory longitudinally movable shaft, a bell actuating arm and a float arm and float carried by said shaft, and a spring acting to retain the shaft at its inward position but permitting the shaft to be moved outward and the float to be swung upward out of the way.

In testimony whereof I affix my signature, in presence of two witnesses.

HENRY P. KELLY.

Witnesses:

EDW. W. KNEEN,
CARRIE L. BAIER.