

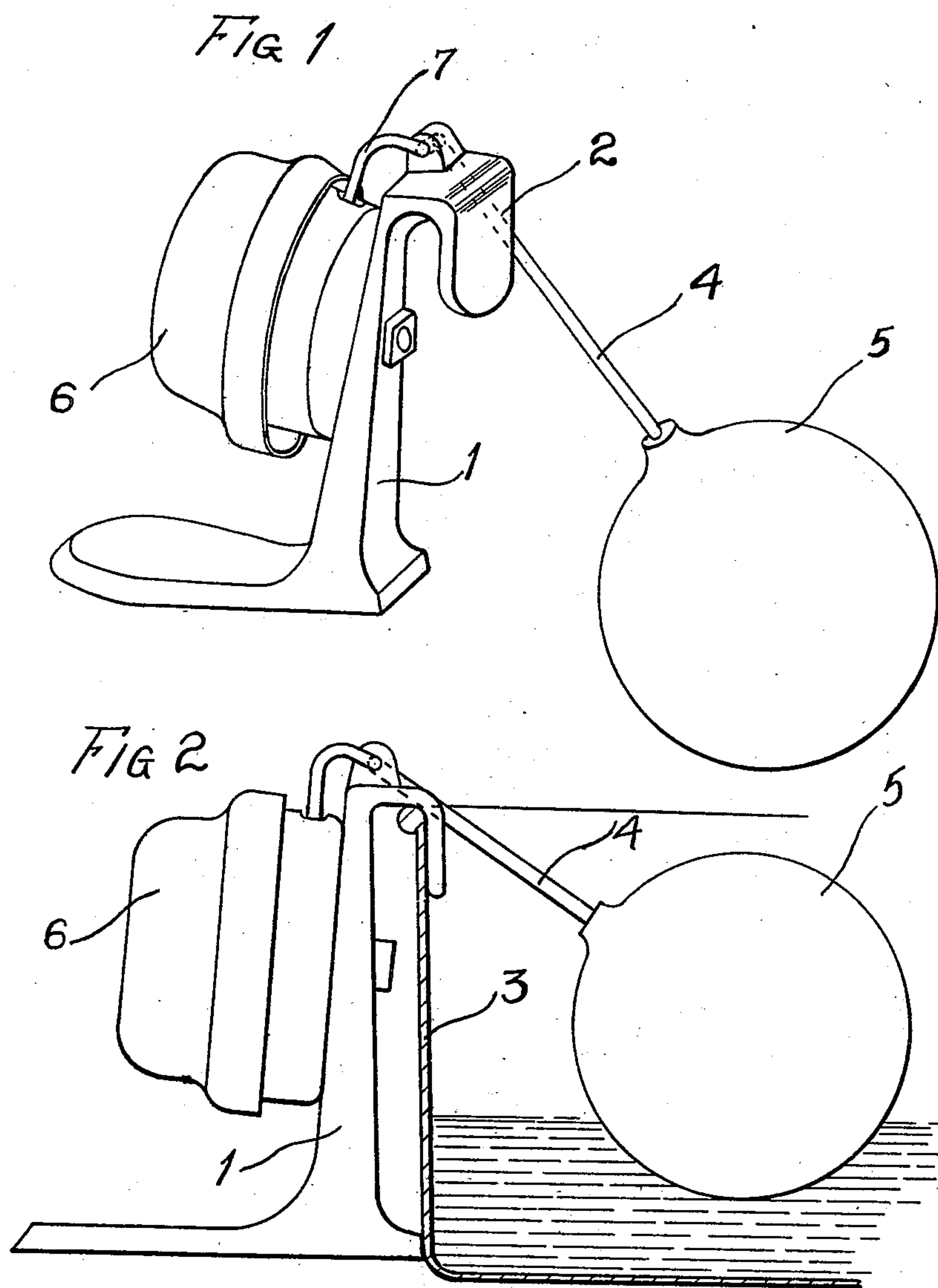
No. 886,336.

PATENTED MAY 5, 1908.

A. W. ANDERSEN & H. W. HANSEN.

OVERFLOW ALARM.

APPLICATION FILED NOV. 20, 1907.



WITNESSES:
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UNITED STATES PATENT OFFICE.

ANDERS W. ANDERSEN AND HARRY WILLIAM HANSEN, OF CHICAGO, ILLINOIS.

OVERFLOW-ALARM.

No. 886,336.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed November 20, 1907. Serial No. 403,040.

To all whom it may concern:

Be it known that we, ANDERS W. ANDERSEN and HARRY WILLIAM HANSEN, citizens of the United States of America, and residents of Chicago, county of Cook, State of Illinois, have invented certain new and useful Improvements in Overflow - Alarms, of which the following is a specification.

The main objects of this invention are to provide improved means for notifying an attendant when liquid in a receptacle has reached a certain predetermined level; to provide a device of this class which is particularly suitable for application to the usual waste water receptacles of refrigerators and which will sound an alarm before the receptacle is filled to overflowing; and to provide a device of this class which is extremely simple and inexpensive in its structure and which may be readily detached from the receptacle to permit its contents to be emptied. These objects are accomplished by the device shown in the accompanying drawings, in which—

Figure 1 is a perspective view of an alarm mechanism constructed according to this invention, for use upon refrigerator waste water receptacles or other open tanks. Fig. 2 is a side elevation of the same, showing it in position upon a receptacle, the latter being shown in section and partly broken away.

In the construction shown in the drawings, the alarm mechanism is provided with a support 1 having an integral hook 2 at its upper end adapted to engage the rim of a receptacle 3 and support the device in the manner shown in Fig. 2. A lever 4 is fulcrumed on the support 1 and extends over the rim of the receptacle, carrying at its end a float 5. The lever is free to swing vertically, so that the float 5 may ride upon the surface of liquid in the receptacle.

An alarm mechanism 6 is mounted on the outside of the support 1 and is arranged to be actuated through the rising of the float when said float reaches a predetermined level, so as to signal to an attendant before the liquid in the receptacle overflows. In the form shown, the alarm is a bell provided with spring driven operating mechanism which may be released so as to sound the bell through the depression of the arm 7 of the lever 4. The specific mechanism for operat-

ing the alarm is not shown, as it is too well known to require illustration.

The support is ballasted or weighted so as to resist displacement through the buoyancy of the float 5, and the weight of the support 1 is preferably concentrated at the lower part, thus insuring stability with a minimum of material. The flat heavy base of the support 1 insures stability when resting on a floor.

The operation of the device shown is as follows:—The device is hung upon the rim of a receptacle, as in Fig. 2, and when the liquid in the receptacle reaches the predetermined level the float 5 will cause the arm 7 of the lever to sound the alarm. The device may be readily removed from and replaced upon the receptacle, and requires no skill whatever for re-attaching it after the receptacle has been emptied.

In cases where the receptacle has low sides, the support may simply rest upon the floor and need not be attached to the receptacle at all.

While the form of alarm shown in the drawings is that of a bell operated by internal clockwork, we do not wish to be understood as limiting our invention specifically to that type of alarm, but intend the terms alarm mechanism to be broad enough in meaning to include any other form of alarm mechanism, as, for instance, a device for operating an alarm electrically where the bell or signal may itself be located at a distance from the receptacle.

What we claim as our invention and desire to secure by Letters Patent is:—

The combination of a float operated alarm mechanism with a support therefor, comprising an upright having an integral hook at its upper end and having an integral base pad at its lower end, the weight of said support being concentrated at its lower part to afford a table support for said mechanism both when suspended by said hook from the rim of a vessel and when resting upon a floor.

Signed at Chicago this 16th day of November, 1907.

ANDERS W. ANDERSEN.

HARRY WILLIAM HANSEN.

Witnesses:

O. F. DANNENBERG,

E. A. RUMMLER.

It is hereby certified that in Letters Patent No. 886,336, granted May 5, 1908, upon the application of Anders W. Andersen and Harry William Hansen, of Chicago, Illinois, for an improvement in "Overflow-Alarms," an error occurs in the printed specification requiring correction, as follows: In line 97 the word "table" should read *stable*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 2nd day of June, A. D., 1908.

[SEAL.]

C. C. BILLINGS,
Acting Commissioner of Patents.