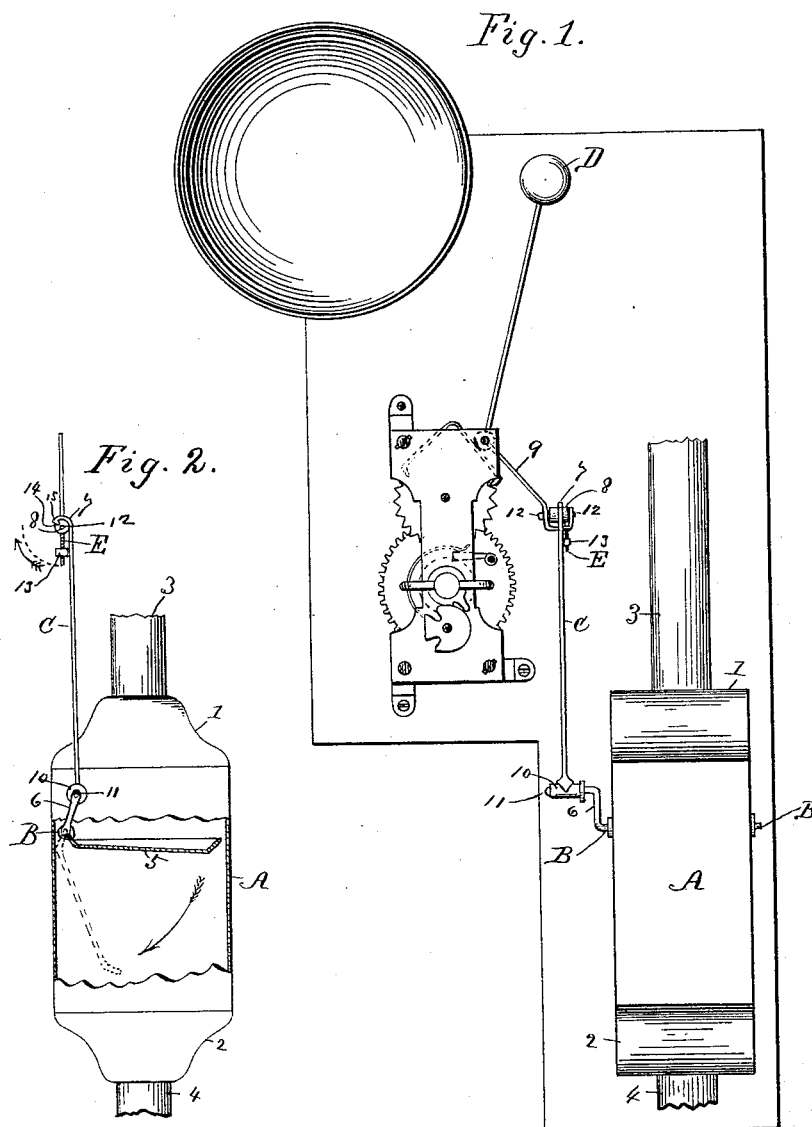


(No Model.)

M. L. RUSSELL.
OVERFLOW INDICATOR.

No. 385,825.

Patented July 10, 1888.



Witnesses:
Thos. Houghton.
Edw. M. Bates.

Inventor:
M. L. Russell.
By atty J. W. Barker.

UNITED STATES PATENT OFFICE.

MARIE LOUISE RUSSELL, OF CHICAGO, ILLINOIS.

OVERFLOW-INDICATOR.

SPECIFICATION forming part of Letters Patent No. 385,825, dated July 10, 1888.

Application filed May 4, 1888. Serial No. 272,843. (No model.)

To all whom it may concern:

Be it known that I, MARIE LOUISE RUSSELL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Overflow-Indicator, of which the following is a specification.

My invention relates to alarms to be attached to the overflow-pipes of wash-basins, bath-tubs, cisterns, or other like articles, where it may be desirable to inform the attendant that the water-receptacle is filled to the desired height.

The object of this invention is to give the alarm by sounding a gong or other alarm which may be operated by clock-work, or by completing the circuit of an electric battery to accomplish the same purpose, and to do this before much water has been wasted by running off through the overflow-pipe.

In the accompanying drawings, Figure 1 is a front elevation of my device adapted to use with a clock-work-operated gong. Fig. 2 is a side elevation of a portion of the same, partly in section.

The same letters of reference apply to the same parts in both figures.

A is a rectangular box or case, preferably made of sheet metal. Its four sides are closed. Its top 1 and bottom 2 are made in any desired ornamental form, and are each provided with a pipe of smaller area than the box A, to which they are attached. Pipe 3 is connected with the overflow-pipe of the wash-bowl, bath-tub, or cistern, and pipe 4 with the drain or other receptacle.

B is a transverse horizontal shaft arranged in suitable bearings close to one side of the box. Shaft B has a pan, 5, firmly attached to it to receive the overflow-water when said pan is set in position for that purpose. Shaft B is provided with a crank-arm, 6, on the outside of box A.

C is a pitman having a hook, 7, at its upper end adapted to engage on a roller, 8, pivotally

secured to the tail portion 9 of hammer D. The lower end of pitman C is provided with a sleeve, 10, to fit upon the crank-pin 11. Roller 8 is capable of rotating easily upon pin 12 on the tail 9 of the hammer.

E is a pendent rod secured at its upper end to the body of roller 8, and is provided with an adjustable weight, 13, which rotates upon the screw-threaded portion 14 of rod E.

Roller 8 is provided with a groove to receive the inwardly-turned hook or nib 15 of pitman 7.

The pan 5 may be simply a flat plate, if desired, without departing from the spirit of my invention; but I prefer that it should be a pan to hold a small quantity of water, so as not to release the alarm by the jarring occasioned by the shutting of a door or walking across the room.

It will be seen that by raising or lowering the balance-weight 12 the sensitiveness of the device may be adjusted as desired.

Instead of hammer D, a circuit-closer or electrical switch may be used to give the alarm at any distant point.

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

1. In combination with an overflow-pipe, a pan, 5, supported at one end on a rock-shaft, B, provided with a crank-arm, 6, a hooked-end pitman-rod, C, and a roller, 8, attached to an alarm-hammer, as herein shown and set forth.

2. In combination with an overflow-pipe, a pan, 5, supported at one end on a rock-shaft, B, provided with a crank-arm, 6, a hooked-end pitman-rod, C, and a roller, 8, provided with a pendent adjustable weight, 12, the roller 8 being attached to an alarm mechanism, as herein set forth and described.

MARIE LOUISE RUSSELL.

Witnesses:

H. WRIGHTSON,

K. H. WILSON,

ANNA F. WALLACE.