

J. C. MEEHAN.
Fire-Extinguishers.

No. 137,379.

Patented April 1, 1873.

Fig. 1.

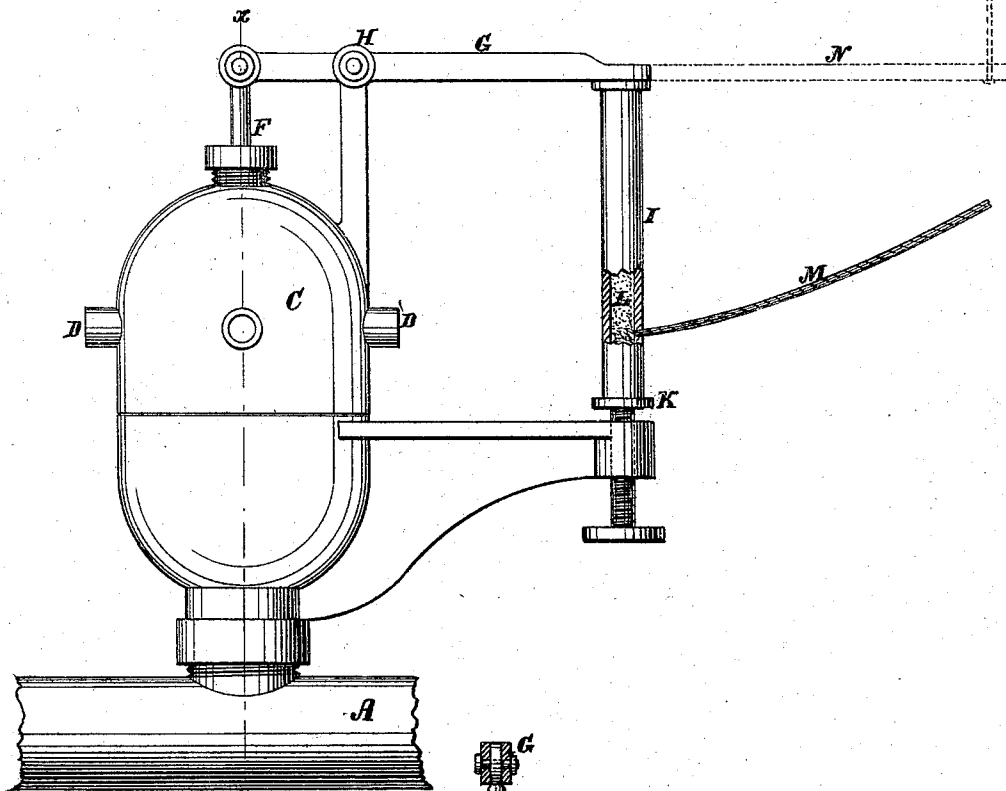
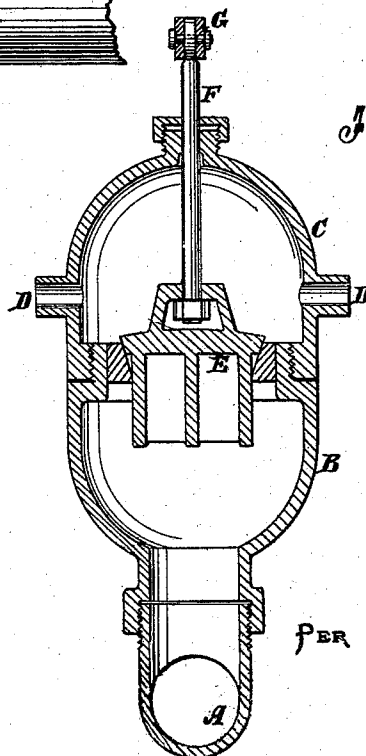


Fig. 2.



Witnesses:

A. Bennekenhoff.
C. Edquist

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UNITED STATES PATENT OFFICE.

JOHN C. MEEHAN, OF SPRINGFIELD, MASSACHUSETTS.

IMPROVEMENT IN FIRE-EXTINGUISHERS.

Specification forming part of Letters Patent No. **137,379**, dated April 1, 1873; application filed December 31, 1872.

To all whom it may concern:

Be it known that I, JOHN C. MEEHAN, of Springfield, in the county of Hampden and State of Massachusetts, have invented a new and useful Improvement in Fire-Extinguishers, of which the following is a specification:

The invention consists in the improvement of fire-extinguishers, as hereinafter described and pointed out in the claim.

Figure 1 is a side elevation of the apparatus which I propose to use, with a part sectioned; and Fig. 2 is a sectional elevation of Fig. 1 taken on the line *x x*.

Similar letters of reference indicate corresponding parts.

A represents a pipe, connecting with the boiler of any kind in which steam is maintained, which will be arranged to extend around the room in whole or in part, as may be required by the circumstances of the case. B is a valve-case, with a cap, C, having several nozzles, D, pointing in different directions, to deliver the steam escaping from the pipe A in jets when the valve is open. E is the valve in the top of the case B. Its stem F extends up through the cap C, and connects with the lever G, which is pivoted to a fulcrum at H, and is caused to hold the valve shut by a stick, I, placed under its free end, and resting on the adjustable seat K. This stick is hollow, and filled with powder L or other explosive material, with which a fuse, M, connects, which is to be so extended about

the room, and so disposed that it will be ignited quickly in case of fire in the room, and explode the stick, so as to free the valve and allow the steam to open it and escape into the room. N is an extension of the lever with a bell-cord, O, attached to the end of the extension for transmitting an alarm to other rooms or frequented places, say the office or kitchen. The object of extending the valve-lever is to obtain sweep enough by the short movement of the valve to obtain the requisite movement of the bell-cord.

As many of these steam-discharging devices as preferred will be placed in a room, and the pipes will be arranged in any suitable or approved way for extending them throughout all the rooms, and having the extinguishing apparatus arranged in each.

Instead of connecting the valve-lever to the alarm apparatus by a cord, I may have the lever trip a clock mechanism or other apparatus working an alarm.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

In combination with a valve and releasing-apparatus as above described, the cap C, and nozzles D, substantially as specified.

JOHN C. MEEHAN.

Witnesses:

A. P. THAYER,
T. B. MOSHER.