

No. 804,357.

PATENTED NOV. 14, 1905.

W. D. WATKINS.
PORTABLE FIRE ALARM.
APPLICATION FILED MAR. 13, 1905.

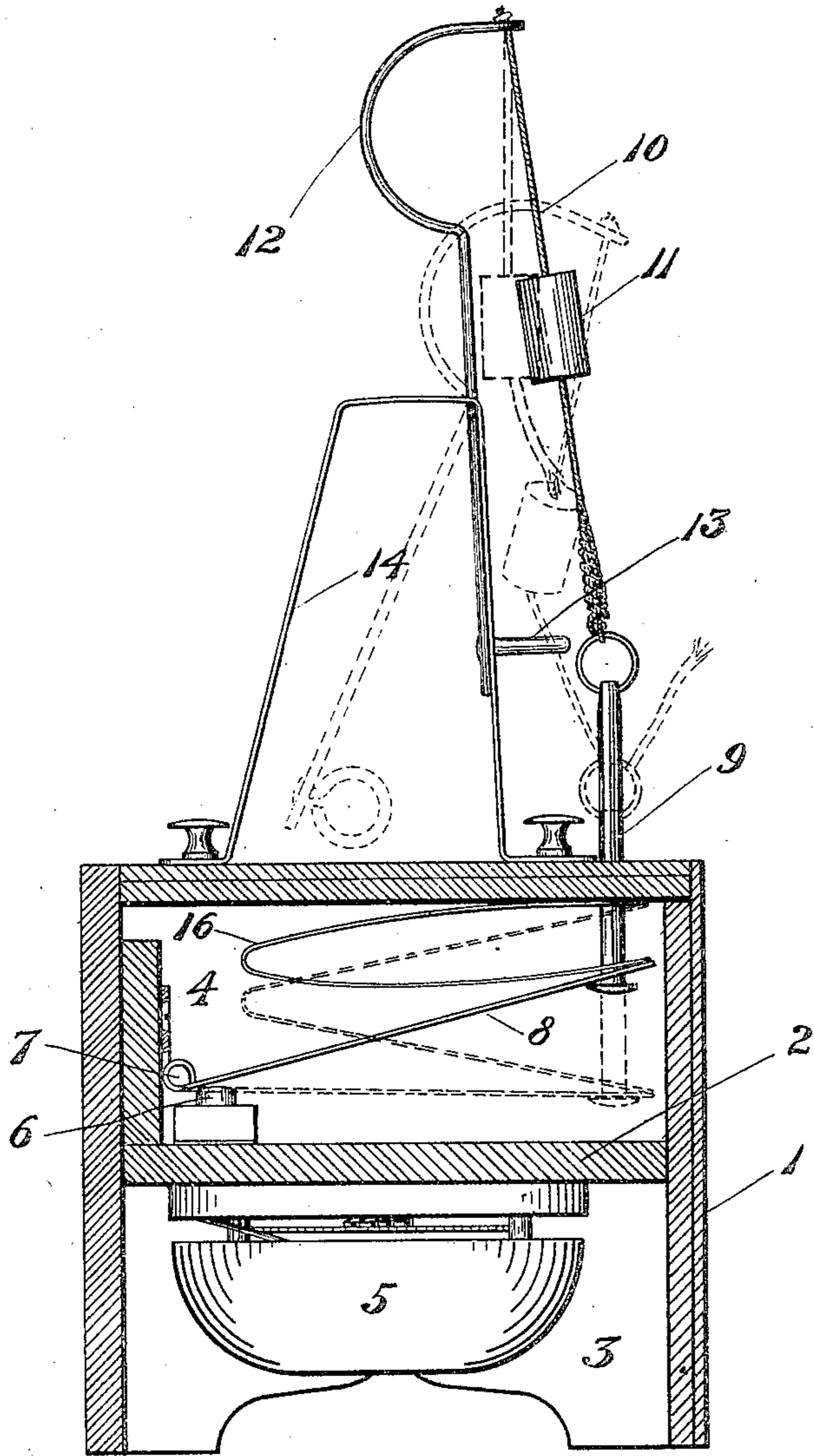


Fig. 1

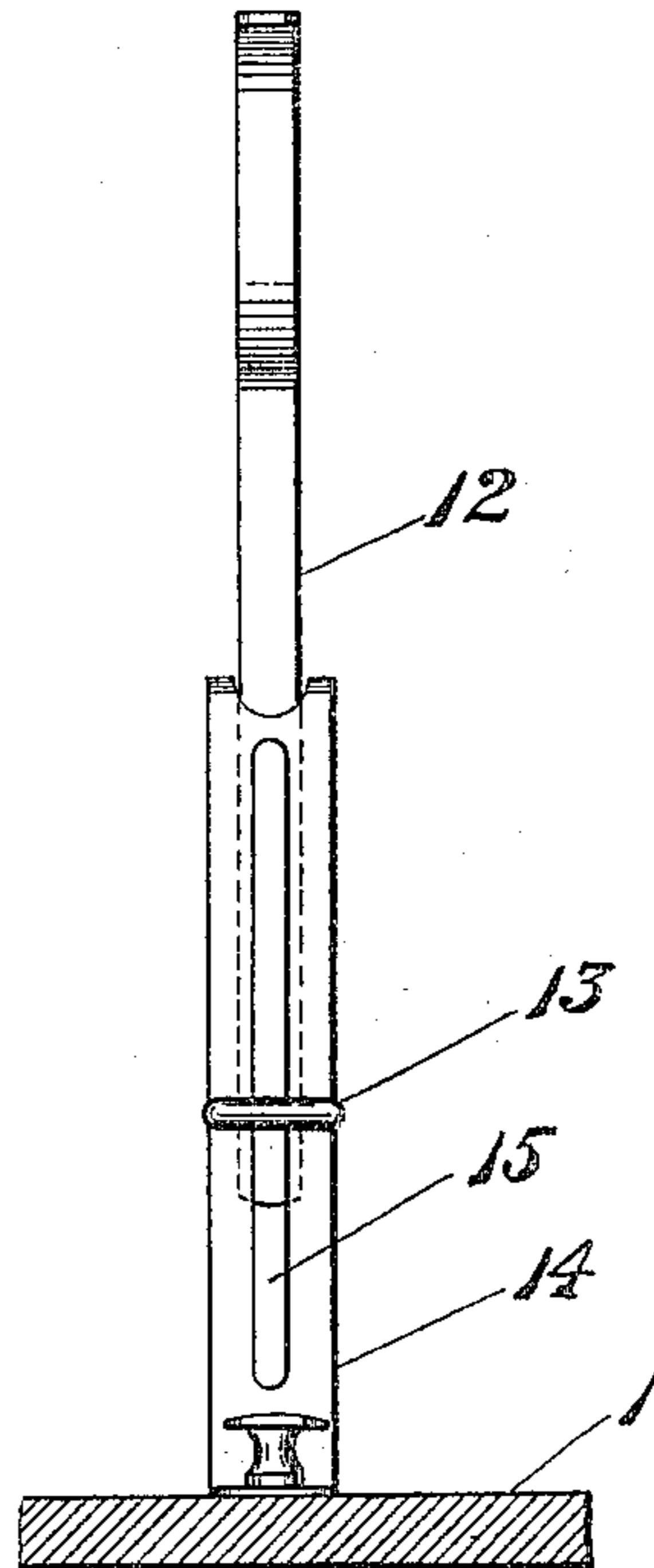


Fig. 2

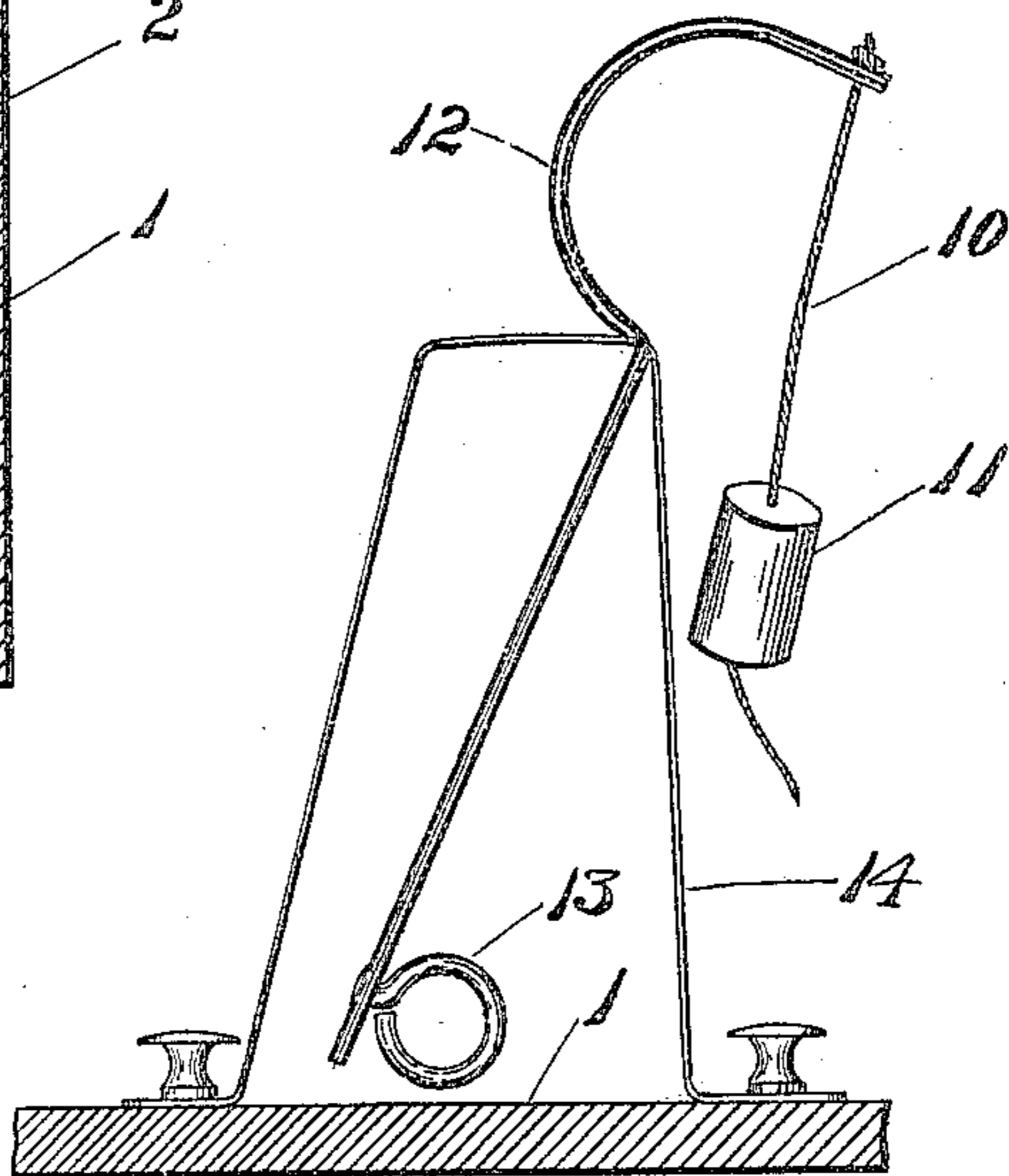


Fig. 3

WITNESSES:
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WILLIAM D. WATKINS, OF SCRANTON, PENNSYLVANIA.

PORTABLE FIRE-ALARM.

No. 804,357.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed March 13, 1905. Serial No. 249,923.

To all whom it may concern:

Be it known that I, WILLIAM D. WATKINS, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented certain new and useful Improvements in Portable Fire-Alarms, of which the following is a specification.

This invention relates to portable fire-alarms; and it has for an object to provide a device of this kind having a spring held under tension by a fusible device.

A further object is to provide means for taking the tension off the spring when the device is not in use, as when for sale.

Still further objects will appear in the following description and will be more particularly pointed out in the appended claims.

In the drawings, Figure 1 is a view showing a section of the casing and other parts in side elevation. Fig. 2 is a front elevation of the supporting-arm. Fig. 3 is a side elevation of the supporting-arm in a disconnected position.

A casing 1, open at its bottom only, is divided by a partition 2 into a lower compartment 3 and an upper compartment 4. Secured to the under side of partition 2 within lower compartment 3 is an alarm-bell 5, operated by a mechanical motor within the same and controlled by a push-button 6, extending upwardly through the partition 2 into the upper compartment 4. Within upper compartment 4 is pivoted at 7 a lever 8, that near its pivot engages the push-button 6 and at its free end has loose connection with the lower end of a sliding pin 9, which works through the top wall of the casing 1. The upper end of the sliding pin 9 is connected with one end of a cord 10, which has at an intermediate point in its length a fusible device 11 and is connected at its upper end to an arm 12. This arm 12 is adjustably supported, by means of adjusting-screw 13, on a bracket 14, secured to the top of the casing 1. The bracket 14 is of approximately U shape, and one arm thereof is slotted at 15 to permit the adjustment of the arm 12, the set-screw being turned transversely of the slot to maintain the arm 12 in its various adjusted positions and longitudinally of the slot to permit the arm to assume the position shown in Fig. 3.

The parts being in the position shown in Fig. 1, if the cord 10 burns or the fusible device 11 is fused the pin 9 is released and the lever 8, under the action of a V-shaped spring

16, bearing at one end against the casing and at the other end against the lever 8 and at both ends surrounding pin 9, is caused to engage the push-button 6 and operate the motor of the bell 5 until the motor runs down or is otherwise stopped. If it is desired to relieve the spring 16 of tension, the bell-motor preferably not being wound up, the arm 12 may be thrown to the position shown in Fig. 3. The arm 12 being adjustable, when the spring 16 becomes weak, due to being under constant tension, it may be adjusted or elevated.

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

1. The combination with a portable casing and an alarm carried thereby, of a lever mounted within the casing controlling the alarm and pivoted at one end, a pin connected at one end to the free end of the lever, an arm supported on the outside of the casing, a fusible connection between the arm and the pin, and a V-shaped spring bearing against the casing and the lever and having its ends surrounding the pin.

2. In a portable fire-alarm, a portable casing and an alarm carried thereby, a lever for controlling the alarm, a spring acting on the lever, an adjustable arm, and a fusible device connecting the adjustable arm and the lever.

3. In a portable fire-alarm, a portable casing having a partition within the same, an alarm carried on one side of the partition, a push-button for controlling the alarm extending through the partition, a lever pivoted at one end on the other side of the partition and adapted to engage the push-button, a spring acting on the lever, an arm supported on the outside of the casing; and a fusible connection between the arm and the lever.

4. In a portable fire-alarm, a casing, a mechanically-operated bell therein, a push-button for controlling the bell, a pivoted lever within the casing adapted for engagement with the push-button, a spring acting on the lever, an adjustable arm mounted on the exterior of the casing, and a fusible connection between the adjustable arm and the pivoted lever.

The foregoing specification signed at Scranton, Pennsylvania, this 2d day of March, A. D. 1905.

WILLIAM D. WATKINS.

In presence of—

S. L. DAWSON,

CHAS. W. DAWSON.