

No. 847,525.

PATENTED MAR. 19, 1907.

J. SWAN.
WINDOW AND DOOR ALARM.
APPLICATION FILED DEC. 6, 1906.

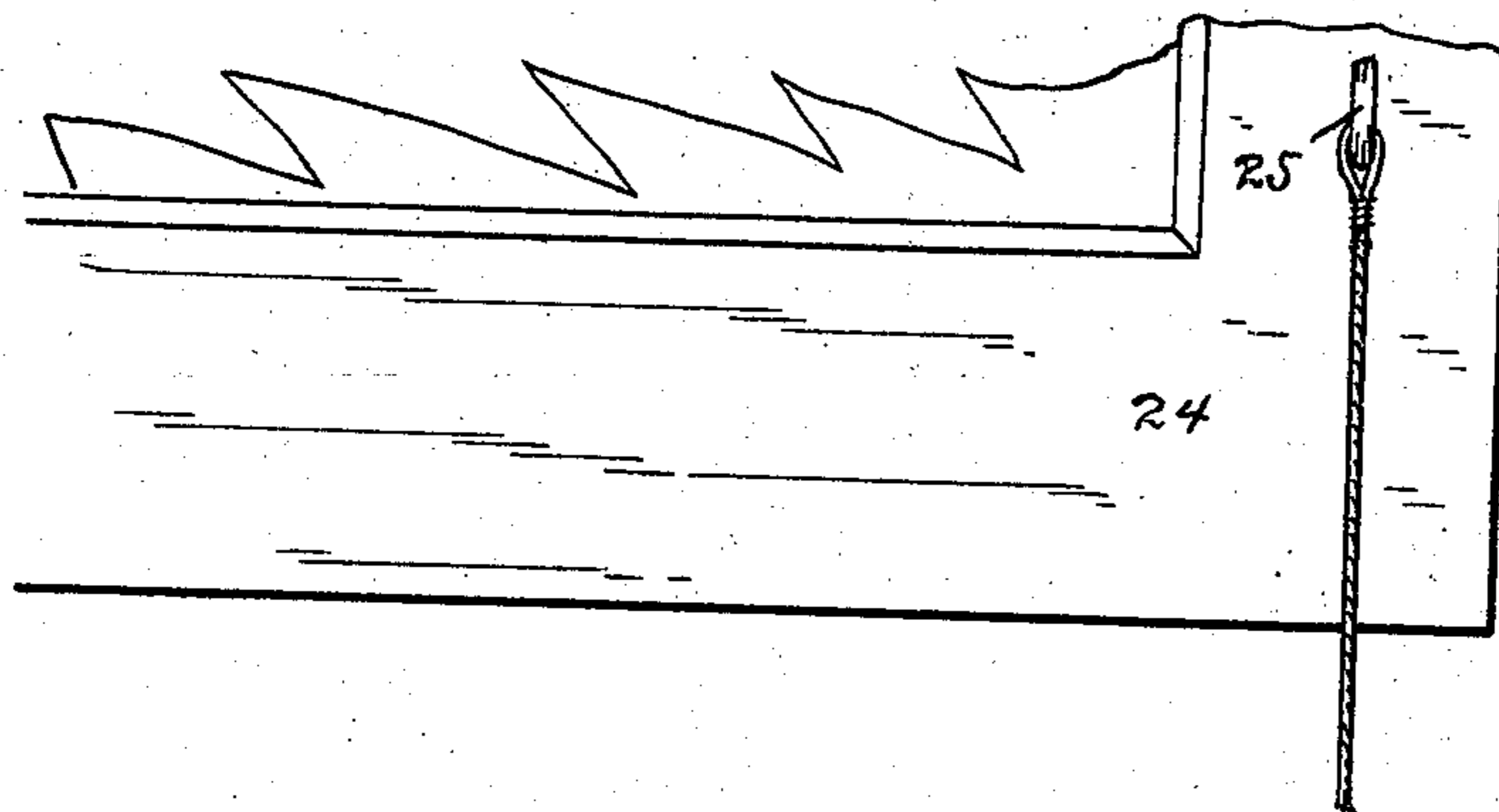


Fig. 1.

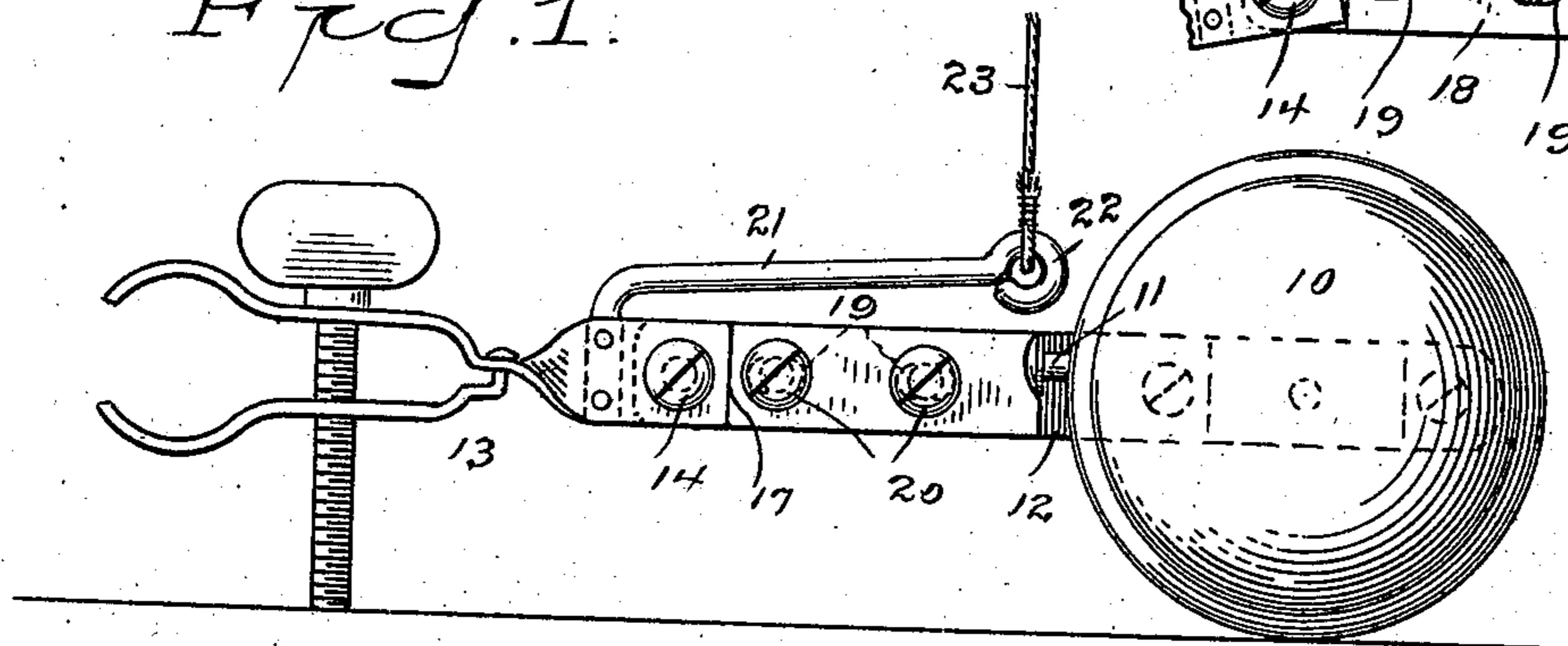
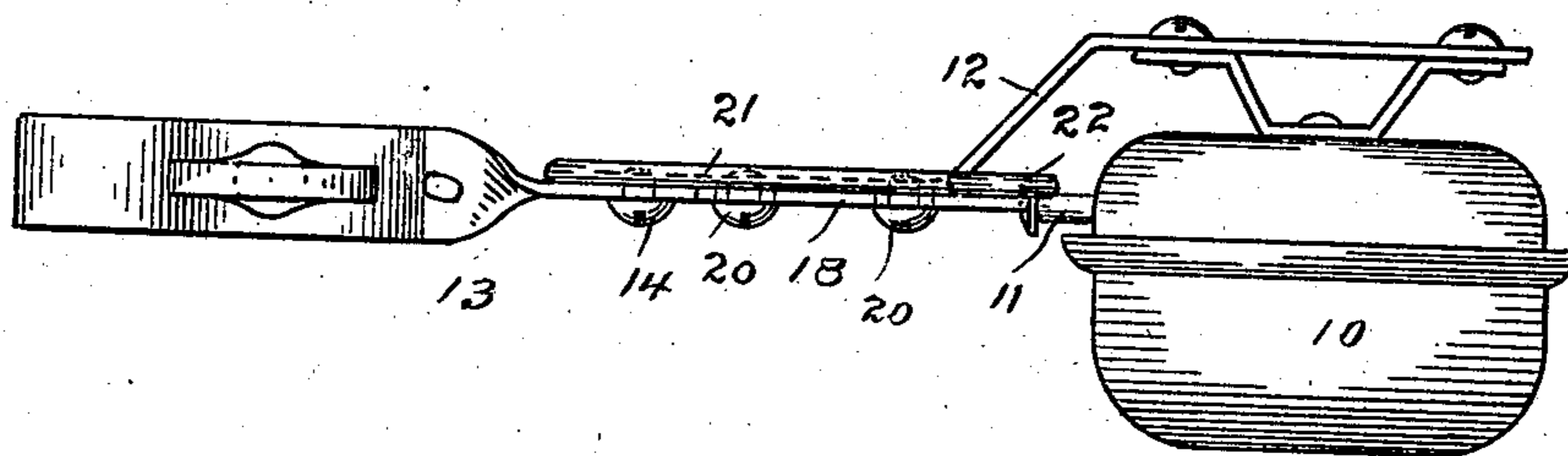


Fig. 2.



WITNESSES

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WINDOW AND DOOR ALARM.

No. 847,525.

Specification of Letters Patent.

Patented March 19, 1907.

Application filed December 6, 1906. Serial No. 346,631.

To all whom it may concern:

Be it known that I, JAMES SWAN, a citizen of the United States, residing at Seymour, county of New Haven, State of Connecticut, have invented a new and useful Window and Door Alarm, (Case A,) of which the following is a specification.

This invention has for its object to provide a simple and inexpensive portable bell-alarm that may be conveniently applied to the window of a sleeping or other apartment to give an alarm should the window be raised. My Patent No. 798,638, dated September 5, 1905, was for an alarm of this character adapted for attachment to the shank of a door-knob to give an alarm should the knob be turned. My present invention provides an improvement upon my said former invention that will adapt it for use in connection with a window as well as a door.

With these ends in view I have devised the simple and novel portable 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 a view illustrating the invention in use as a window-alarm; Fig. 2, an edge view of the alarm detached; the cord being removed from the operating-arm; and Fig. 3 is a detail view showing the position of the operating-arm, clamp, and slide when the bell is ringing.

My novel alarm comprises, essentially, the door-alarm of my said former patent with the addition thereto of an operating-arm and a cord or its equivalent for connecting the operating-arm to a window.

10 denotes the bell, which may be an ordinary bicycle or call bell of any of the types in ordinary use and which is provided with an actuating member, in the present instance a push-pin, (indicated by 11.) As it is simply required for the purposes of the present invention that the bell be provided with an actuating member, I have omitted all illustration of the mechanism of the bell. In practice I have used and have found admirably adapted for the purpose required a bell in which the ringing operation is performed by a spring normally locked against action and released to ring the bell by movement of the actuating member. Any other style of bell, however, may be used, if pre-

ferred. The bell is carried by a standard 12, the construction of which is wholly immaterial so far as the present invention is concerned.

13 denotes a clamp which is pivoted to the standard, as at 14. This clamp is adapted to attach the standard to a door-knob. The upper end of the clamp is provided with an angular face 17, which engages a corresponding face upon a slide 18, which is secured to the standard so as to move longitudinally thereon. In the present instance I have shown the slide as provided with slots 19 and as secured to the standard by means of screws 20 passing through the slots. The slide is made just long enough so that one end closely engages the actuating member of the bell, in the present instance the head of the push-pin, and the angular face at the other end closely engages angular face 17 at the end of the clamp.

21 denotes an operating-arm which is rigidly secured to the clamp. The operating-arm extends from its point of attachment toward the bell, lying substantially parallel with the standard and slide, and is shown as provided at the end toward the bell with an eye 22. A cord 23 is provided, one end of which is attached to the operating-arm, as by means of the eye, the other end being adapted for attachment in any suitable manner to a window-sash, which is indicated by 24. It is of course wholly immaterial how the cord is attached to the window. It may, for example, be attached to a sash-fastener thereon. In the present instance I have shown the cord as provided with a screw-eye 25, which may be turned into the sash as a means of attachment.

In use the window may be closed or partly raised, as preferred. The alarm is laid upon the floor or elsewhere, as most convenient under or near the window, the cord connecting the alarm with the window being made just taut. When the window is raised, the operating-arm is of course raised thereby; but the weight of the bell will cause the standard and bell to drop downward. In other words, the standard and clamp will oscillate relatively to each other. This oscillation through the engagement of the angular face at the outer end of the slide with angular face 17 on the clamp will move the slide forward and press the actuating member of the bell inward.

The operation will be obvious from Fig. 3. When the operating member is raised, the weight of the bell will hold it downward and the swinging of the clamp will cause the angular face thereof to engage the corresponding face of the slide and move the latter toward the bell, which movement of the slide will force the actuating member inward and cause the bell to ring. If a spring-bell is used, the bell will of course continue to ring until the spring runs down or until the window is moved downward again sufficiently to relieve the tension on the cord and permit the clamp and slide to resume their normal position—that is, pass from the position shown in Fig. 3 to the position shown in Fig. 1.

Having thus described my invention, I claim—

1. A portable window and door alarm comprising a bell having an actuating member, a standard by which the bell is carried, a slide upon the standard which engages the actuating member, a clamp pivoted to the standard and abutting the slide, an operating-arm extending from the clamp and a cord connected to the operating-arm, the clamp, slide and arm being so connected that a pull

on the cord will cause the weight of the device to actuate the slide by the clamp.

2. A portable window and door alarm comprising a bell having an actuating member, a standard by which the bell is carried, a clamp pivoted to the standard and adapted for attachment to a knob-shank, an operating-arm secured to the clamp and extending toward the bell, a cord connected to said arm and adapted for attachment to a window-sash, and a slide upon the standard which engages the actuating member and the clamp, the contiguous ends of said clamp and slide being provided with angular engaging faces so that the slide will be moved and the bell rung when the standard and clamp are oscillated relatively to each other, the clamp, slide and arm being so connected that a pull on the cord will cause the weight of the device to actuate the slide by the clamp.

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

JAMES SWAN.

Witnesses:

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