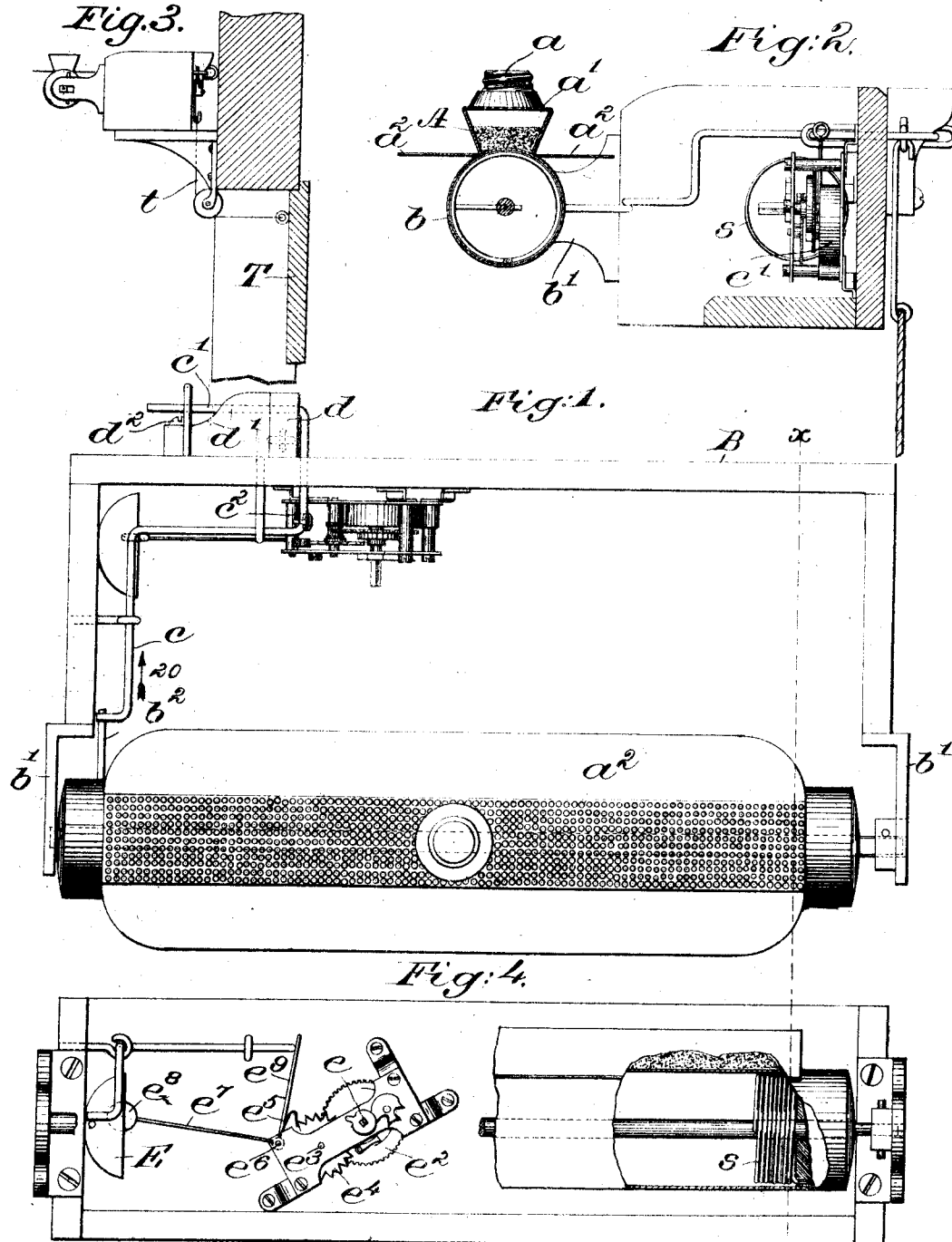


(No Model.)

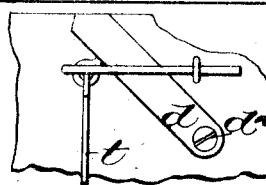
T. ANDREWS & J. H. FITZPATRICK.
DEVICE FOR PREVENTING BURGLARIES.

No. 468,557.

Patented Feb. 9, 1892.



Witnesses.
Louis N. Cowell
Edward F. Allen.



Inventors
T. Andrews,
James H. Fitzpatrick
by Crosby & Gregory
Attys.

UNITED STATES PATENT OFFICE.

TYLER ANDREWS, OF BOSTON, AND JAMES H. FITZPATRICK, OF MEDFORD,
MASSACHUSETTS.

DEVICE FOR PREVENTING BURGLARIES.

SPECIFICATION forming part of Letters Patent No. 468,557, dated February 9, 1892.

Application filed September 29, 1891. Serial No. 407,125. (No model.)

To all whom it may concern:

Be it known that we, TYLER ANDREWS, of Boston, county of Suffolk, State of Massachusetts, and JAMES H. FITZPATRICK, of Medford, county of Middlesex, State of Massachusetts, have invented an Improvement in Devices for Preventing Burglaries, Trespasses, &c., of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to provide a novel device to prevent burglaries, &c.

In accordance with this invention a receptacle filled with Cayenne pepper or other suitable substance is arranged in proper position with relation to the room or device to be protected, suitable mechanism being provided which when released by the entrance of the intruder will scatter the pepper to fill the eyes of the intruder and thus prevent his carrying out his intended object.

The particular features of which this invention consists will be hereinafter described, and pointed out in the claim.

Figure 1 of the drawings represents a top plan view of a device embodying this invention; Fig. 2, a cross-section of the same, taken on the dotted line *x x*; Fig. 3, a right-hand end view of the device shown in Fig. 1 on a reduced scale, showing one manner of operating the device; Fig. 4, a front view of the device shown in Fig. 1, the pepper-receptacle and mechanism for operating the same being partially broken away; Fig. 5, a detail to be referred to.

Referring to the drawings, A represents a receptacle to contain, as shown, pepper or other suitable substance, the receptacle being provided with a suitable aperture provided with a cover *a*, by which the receptacle may be filled, one wall, as herein shown, or, if desired, two or more walls, of the receptacle being provided with perforations *a'*, through which the substance contained in the receptacle may escape, as will be described.

As herein shown, the pepper-receptacle A is oblong in shape and mounted upon the periphery of a normally-wound spring-actuated roll *b*, journaled in suitable brackets *b'*, secured to a frame B, which latter may be se-

cured above the entrance-door to a room or over a safe-door or in any other suitable or desired position, and the brackets *b'* may, if desired, be secured directly to the wall of the room without the intervention of the frame B. The roll *b* is provided with an arm *b²*, by which the roll may be rotated to wind the spring *s*, Fig. 4, the end of the arm *b²* being held under the end of a releasing-rod *c* to prevent the unwinding of the spring and consequent rotation of the roll and pepper-receptacle, the end of the releasing-rod *c* being bent at an angle, as at *c'*, to be acted upon by the inclined or cam-shaped face *d'* of the releasing-arm *d*, pivoted at *d²* to the back of the frame B. The spring having been previously wound by hand, as described, and the roll carrying the pepper-receptacle restrained from rotation by catching the end of the arm *b²* under the end of the releasing-rod *c*, the releasing-arm *d* may be connected in suitable manner, as by a cord *t*, Fig. 3, with the entrance-door T of the room to be protected, so that when the door is opened the spring *t* will turn the releasing-arm *d* on its pivot, causing its cam-face *d'* to act on the intumed end *c'* of the releasing-rod *c* to move the same in the direction of arrow 20, Fig. 1, drawing its end away from the end of the arm *b²* to release the roll and permit the spring to revolve it rapidly, causing the pepper contained within the receptacle A to escape through the perforations *a'* and fly in all directions, completely filling the room and filling the eyes of and blinding the intruder to prevent his proceeding further in his operations, and, in fact, preventing his escape.

The receptacle A will preferably be provided with one or more fans *a²* to assist by their rapid rotation in scattering the pepper.

If desired, an alarm may be connected with and to operate in conjunction with the pepper-scattering device described, and referring to the drawings, *e* represents a winding-shaft journaled in a suitable frame-work and having connected to it one end of the coiled spring *e'*, said shaft having mounted upon and connected with it through a pawl-and-ratchet connection the toothed wheel *e²* in mesh with and driving a pinion on the shaft *e³*, also journaled in said frame and having fast upon it

the escapement-wheel e^1 , which co-operates with and actuates a verge e^5 , pivoted at e^6 and carrying the arm e^7 , with a bell-hammer e^8 on its outer end arranged in proper position with relation to the bell or gong E. Rotation of the shaft e will cause the bell-hammer e^8 to strike the bell or gong E rapidly to sound an alarm, the alarm mechanism being normally restrained from operation by an arm e^9 on the pivotal shaft e^6 , which arm normally lies behind the bent portion c^2 of the releasing-rod c , so that when the said rod is moved in the direction of the arrow 20 the bent portion c^2 of the same will be moved away from and release the arm e^9 , permitting the verge e^5 to be moved by the spring e^7 to sound the alarm, as described.

While we have herein shown the alarm as mounted upon the frame B, still we desire it to be understood that the said alarm may be placed in any other desired or convenient point and may be connected in suitable manner with the pepper-distributing device to operate when the latter is released—as, for instance, the alarm may be placed in another

room or in the floor above the room protected by the distributing device.

This invention is not limited to the particular arrangement and construction of device herein shown, as it is evident the same may be varied in many particulars, the gist of the invention lying in a receptacle to contain pepper or other substance which will act in similar manner, combined with suitable mechanism for distributing the pepper to fill the room and the eyes of the intruder.

We claim—

A spring-actuated roll and a releasing device therefor, combined with a pepper-receptacle having a perforated wall mounted upon said roll and fans a^2 , to operate substantially as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

TYLER ANDRÉWS.

JAMES H. FITZPATRICK.

Witnesses:

BERNICE J. NOYES,

EMMA J. BENNETT.