

No. 885,200.

PATENTED APR. 21, 1908.

D. STEWART.  
BURGLARY PREVENTING APPARATUS.  
APPLICATION FILED JAN. 28, 1907.

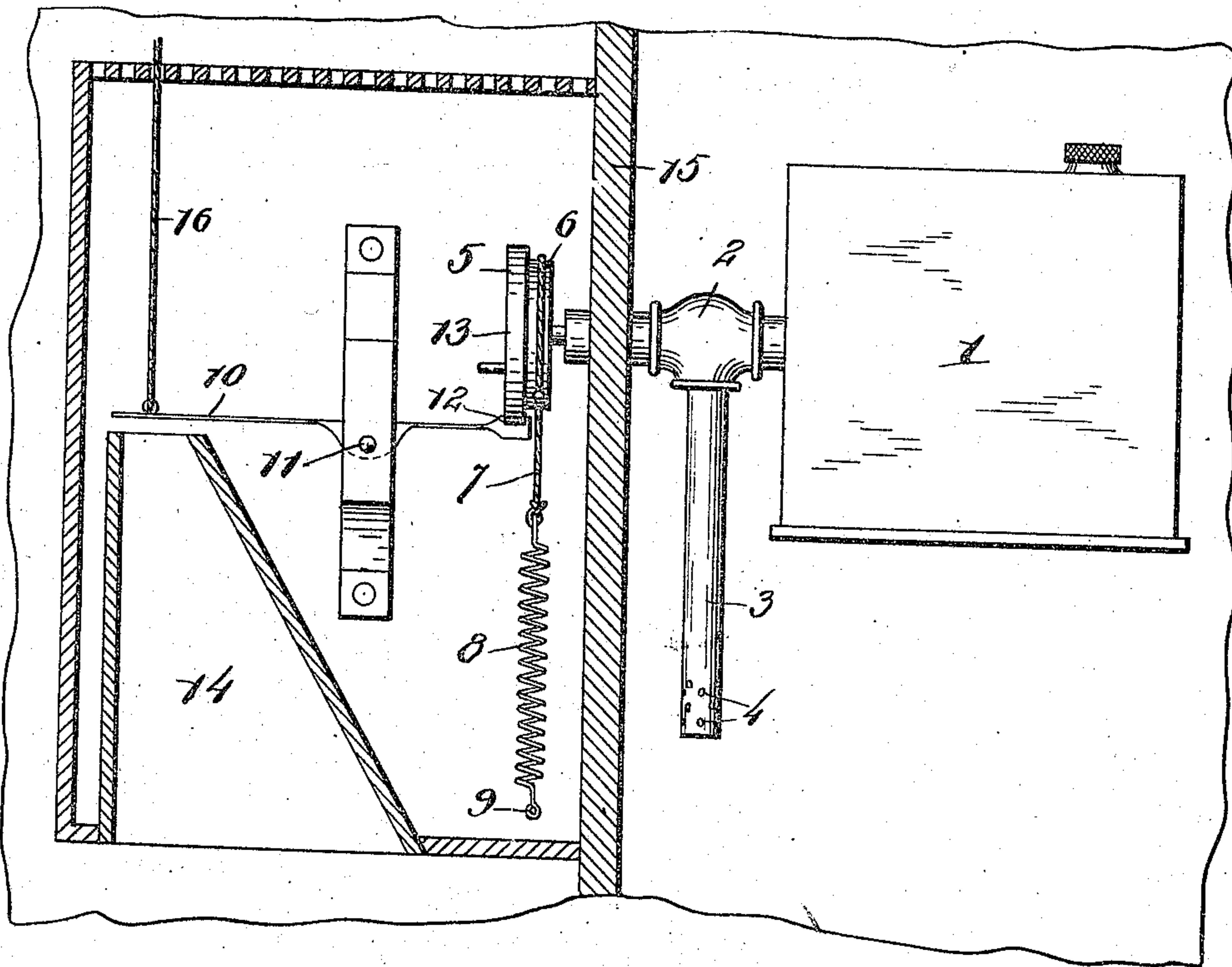


FIG. 1.

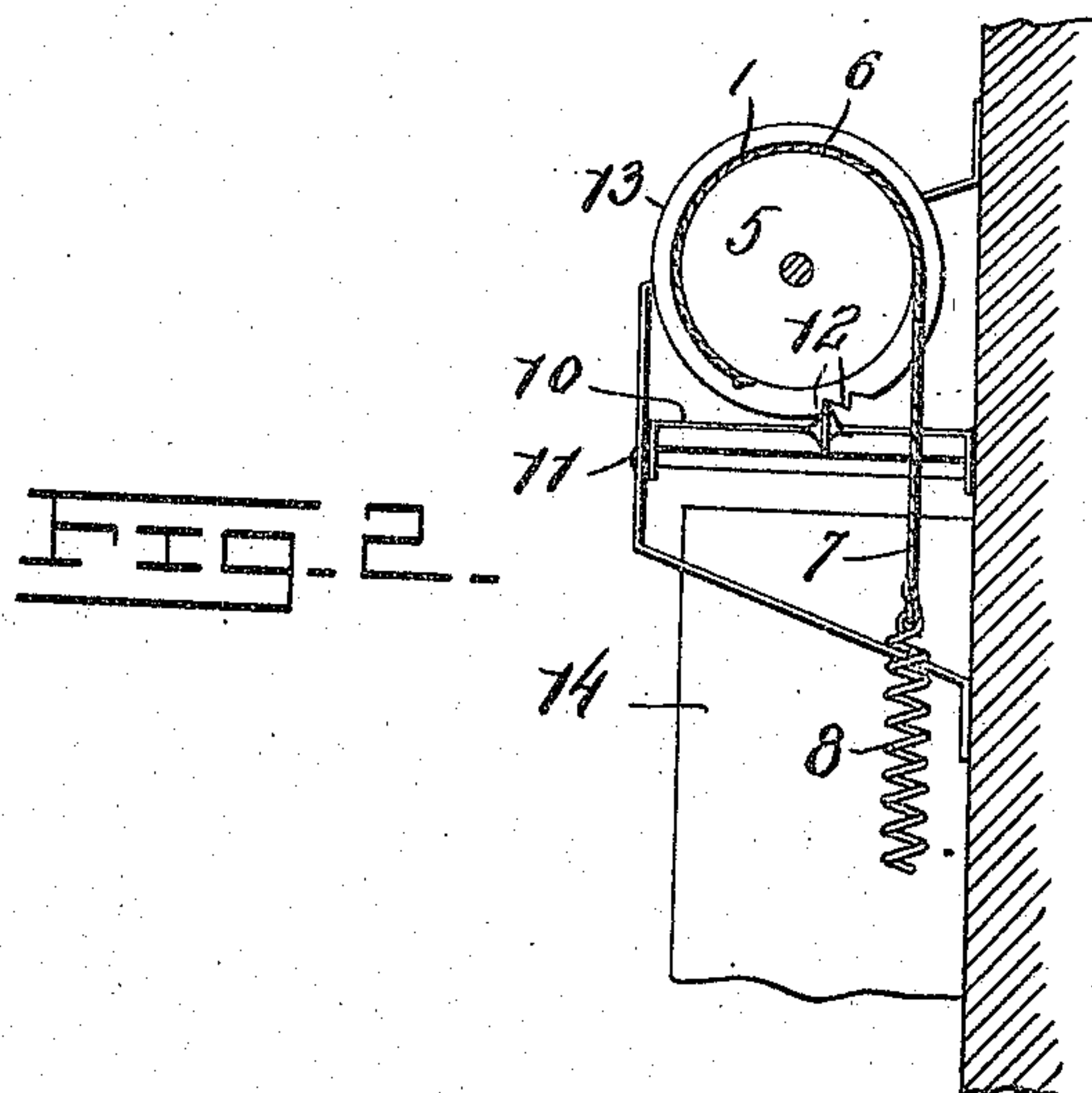


FIG. 2.

Witnesses  
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# UNITED STATES PATENT OFFICE.

DAVID STEWART, OF CHEHALIS, WASHINGTON

## BURGLARY-PREVENTING APPARATUS.

No. 885,200.

Specification of Letters Patent.

Patented April 21, 1908.

Application filed January 28, 1907. Serial No. 354,595.

To all whom it may concern:

Be it known that I, DAVID STEWART, a citizen of the United States, and resident of Chehalis, in the county of Lewis and State of Washington, have invented certain new and useful Improvements in Burglary-Preventing Apparatus, of which the following is a specification.

This invention relates to burglary preventing apparatus.

It has for an object to provide an apparatus which will deliver fumes into a room, vault, car or other chamber in which is located valuables, thus preventing the entrance of a burglar even after he has secured access to the chamber in which the valuables are contained.

Other and 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 portion of a building showing a portion of a chamber for containing valuables, and a portion of a chamber which leads to said first mentioned chamber; and Fig. 2 is a detail perspective view of the valve disk and its controlling lever, the spring being under tension.

Referring more particularly to the drawings, 1 indicates a tank or receptacle lined with porcelain, glass or other non-corrosive material and adapted to contain a fuming fluid either a gas or a liquid such, for instance, as spirits of ammonia, chloroform, ether, formaldehyde acid or gas, carbonic acid gas, sulfuric acid gas, etc., either singly or in combination. This tank can be suitably incased to prevent the shocks from explosions breaking the same, although even should the tank be destroyed by explosion, it would still be effective in distributing the fumes. This tank is preferably arranged within the room, vault, car or other chamber containing the valuables and has a valve 2 connected therewith and controlling a discharge 3 in the form of a depending pipe closed at its lower end having lateral discharge openings 4 or connected with perforated pipes or nozzles to spray the fluid when the valve is opened.

Secured to the valve stem, which extends through the wall 15 to the outside of the chamber, is a disk 5 which has a peripheral portion 6 to which is secured one end of a tape 7, the other end of the tape being secured to one end of a spiral spring 8 which is

anchored in any suitable manner as at 9. When the valve 2 is closed, the tape is wound about the disk 5 and the spring is under tension, thus tending to open the valve.

To maintain the valve closed until an explosion takes place or it is desired to release the valve, a lever 10 pivoted at 11 intermediate of its ends, has one end formed to engage teeth 12 on a flange 13 of the disk 5. The greater portion of the flange 13 is smooth and therefore presents no obstruction for the lever to engage so that once the disk is released, there is no danger of the lever re-engaging the teeth of the disk and thus preventing the complete opening of the valve. The other end of the lever is widened so that it may better receive vibrations produced by an explosion.

To concentrate on the shock receiving end of the lever, the vibrations produced by an explosion, there is arranged a funnel shaped member 14, the smaller end of which is directed toward the widened end of the lever. This lever may also be operated manually and for this purpose a controlling cable 16 is connected to the widened end and leads to any suitable point, as, for instance, when the apparatus is employed in a bank, to the cashier's desk, thus adapting the apparatus to foil burglars when the use of explosives is unnecessary to gain access to a chamber. Of course, all parts of the apparatus on the outside of the chamber for containing valuables should be suitably incased to prevent a burglar tampering with them before using an explosive.

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

1. The combination of a fuming fluid containing chamber, an automatically operated valve controlling the discharge from the chamber, and an explosion operated means controlling the valve.

2. The combination of a fuming fluid containing chamber, a valve controlling the discharge from said chamber, means tending to open the valve, and means for releasing the valve to permit it to open automatically.

3. The combination of a fuming fluid containing chamber, a valve controlling the discharge from the chamber, a spring acting to open the valve, and means for releasing the valve to permit it to open under the action of the spring.

4. The combination of a fuming fluid con-



taining chamber, a valve controlling the discharge from the chamber, a spring acting to open the valve, and a lever to hold the valve closed.

5 5. The combination of a fuming fluid containing chamber, a valve controlling the discharge from the chamber, a spring acting to open the valve, and a lever to hold the valve closed, said lever being constructed to move  
10 by vibrations produced by an explosion.

6. The combination of a fuming fluid containing chamber, a valve controlling the discharge from the chamber, a spring acting to open the valve, a lever to hold the valve  
15 closed, said lever being constructed to move

by vibrations produced by an explosion, and a controlling cable connected to the lever.

7. The combination of a fuming fluid containing chamber, a valve controlling the discharge from the chamber, a spring acting to open the valve, and means constructed to move by vibrations produced by an explosion and to release the valve permitting it to open under the action of the spring.

In testimony whereof I affix my signature 25 in presence of two witnesses.

DAVID STEWART.

Witnesses:

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E. M. COFFMAN.