

A. W. Adams,

Seal Lock.

N^o 79,801.

Patented July 14, 1868.

Fig. 1.

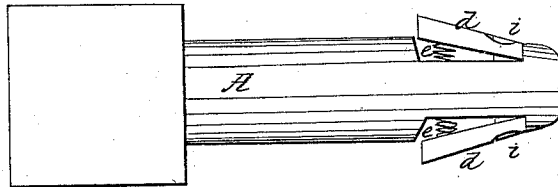


Fig. 2.

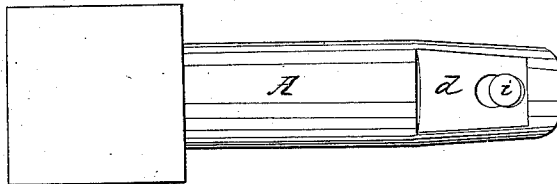


Fig. 3.

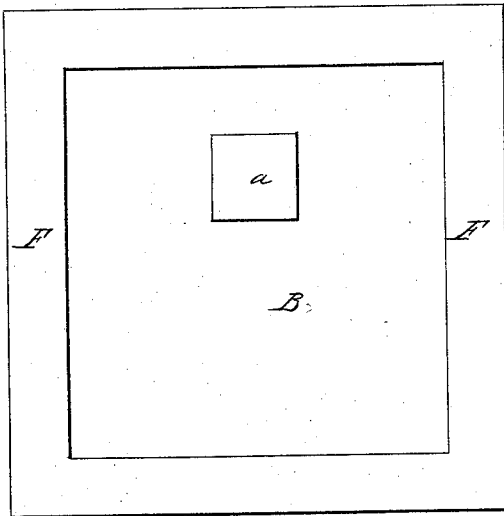
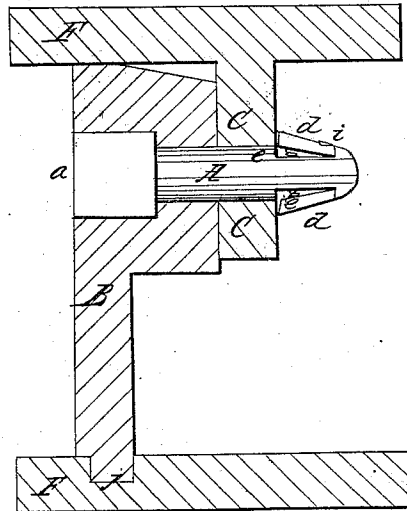


Fig. 4.



Witnesses:

Wm. P. Stanton
J. E. Crutcher

Inventor:
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United States Patent Office.

ALONZO WHITNEY ADAMS, OF NEW YORK, N. Y.

Letters Patent No. 79,801, dated July 14, 1868.

IMPROVEMENT IN SELF-LOCKING BOLT FOR METER-SAFES.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, ALONZO WHITNEY ADAMS, of the city and State of New York, have invented a new and improved Mode of Locking and Securing Meter-Safes or casings containing meters or safety-guards, which I propose to call "Adams' meter and safety-valve bolt-lock;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figures 1 and 2 represent the different views of the bolt.

Figure 3 is a front view of the safe when closed and locked, and

Figure 4 shows the situation of the safe and bolt, when the latter is in place, performing the functions of a perfect lock.

The bolt, shown at figs. 1 and 2, has a head, made solid, and of the hardest steel. The bolt is engraved "U. S. Revenue," with a *fac simile* of the inventor's signature, at a point entirely concealed from view when in place, and where it must be defaced or destroyed by the act of boring or cutting the same from the recess in the door. Any other or additional device may be engraved upon it, or upon the inner plates of the safe, for better security.

The shaft or shank A is armed with the spring-shoulders *d d*, resting upon abutments near the end of the bolt, and held in place by the rivets *z z*, which, however, allow these shoulders to be opened and closed by pressure on the spiral springs *e e*.

The drawings exhibit a square head and round shaft or shank to the bolt A, but it may be made of any convenient shape. Either the head or shaft should be made square, or of such form as to prevent the same from rolling or turning in the "recess" during the operation of "boring" the steel head, in case it should become necessary for the proper authorities, by such means, to reach the meter, or other instrument enclosed, for any purpose of examination or adjustment.

The operation of this bolt-lock is shown at fig. 4, in which B represents the door of the meter-safe. F F are the upper and lower plates, which ought to be of the best cast iron or other hard metal. The door is fixed in the lower plate by the tongue and groove, shown at *j*, while the bolt passes through the lug C, cast in the upper plate. The door B and the lug C are made to fit accurately, as shown in the drawings, and are perforated, so as to admit the bolt *a A*. When this is forced in the shoulders *d d* are expanded by means of the springs *e e*, which effectually prevent the bolt from being withdrawn. The head of this bolt, fixed in a recess and being made of steel and tempered to a high degree of hardness, cannot be bored or cut without great labor and time.

Thus it is obvious that this arrangement affords a perfect protection to the meter or other instrument enclosed in the safe, and renders it impossible to reach or tamper with it until the proper authority shall cause it to be opened by the necessary violence.

The drawings show but one bolt-lock, recess, &c., to the door of the safe or guard-casing, but it is designed that two or more sets of these locks or fastenings shall be employed for each meter, safe, or casing, designed for distilleries or other purpose, which, from its size, may require the same for better security.

The safe or casing may be wrought or cast in one piece, with an opening for the door and the worm, by "coring" the mould, or it may be cast in separate parts, and put together by flanges, bolts, or other equivalent inside fastenings. It may be so constructed as to conform to any shape or model of meter or safety-guard, and its opening for the door and the worm of the distillery, and the locks or fastenings, may be conveniently arranged in either side or in the top or bottom of the same.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The bolt A and the devices attached thereto, or equivalents, as shown and described.
2. The safe or guard-casing, with its devices thereto attached, or equivalents, as shown and described.
3. The combination of the bolt A with the safe or guard-casing, as represented in the specifications and in fig. 4 of the drawings, or any equivalent for the same.

A. W. ADAMS.

Witnesses:

JAS. CRUTCHETT,
JOHN A. TERRY.