A. W. ADAMS.

Construction of Meter Safes.

No. 77,563. Patented May 5, 1868.

Fig. 1.

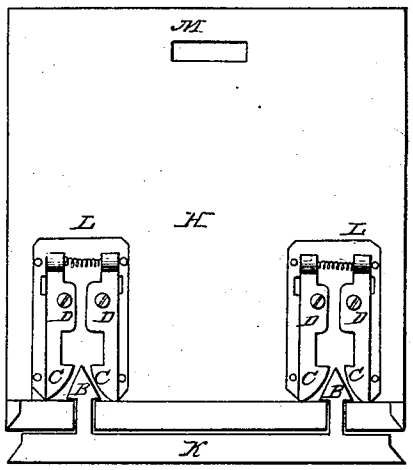
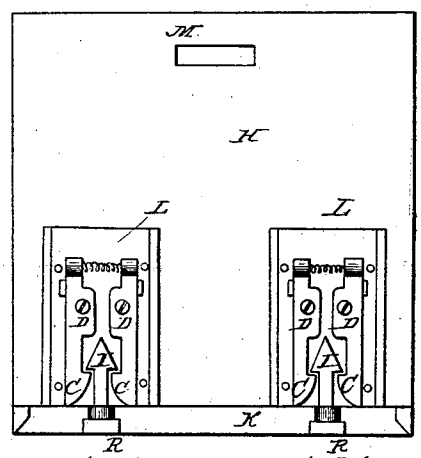


Fig. 2



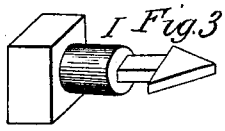


Fig. 3

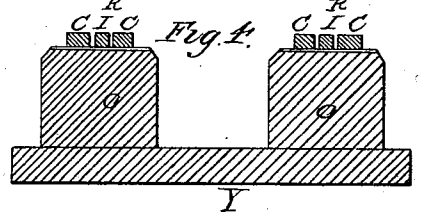
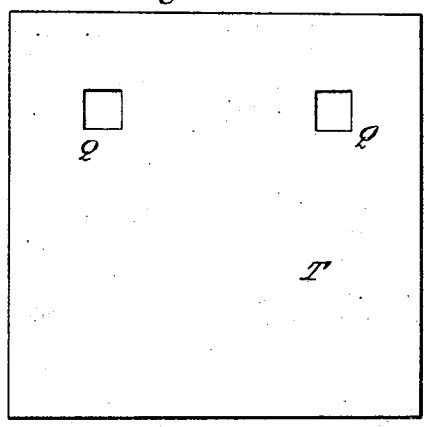


Fig. 4.

Fig. 5



WITNESSES

Fred. P. Hunter

W. A. McKendry

INVENTOR

A. W. Adams

N. PETERS. Photo-Lithographer. Washington. D. C.

United States Patent Office.

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

Letters Patent No. 77,563, *dated May* 5, 1868.

IMPROVEMENT IN CONSTRUCTION OF METER-SAFE.

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

Be it known that I, ALONZO W. ADAMS, of the city and State of New York, have invented a new and improved Meter-Safe, designed to enclose and protect liquid-meters, safety-guards for steam-boilers, and other similar instruments.

The object of my invention is to provide a means for securing and protecting spirit or other meters, so that their registration cannot be altered or tampered with without violence sufficient to break or destroy the safe in which such meter is enclosed.

And the invention consists in so constructing and arranging the portions of the safe within which the meter is enclosed, and combining therewith suitable fastenings, as to render it impossible to gain access to the meter without breaking or destroying a portion of the safe.

The following is a full, clear, and exact description of the said invention, and the operation of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figures 1 and 2 represent the interior of the safe, with fastenings attached.

H H is the top of the safe. M M is the window, of plate-glass, through which the indications of the meter or other instrument are observed. K K represent an edge view of the door of the safe, to which are attached the bolts B B and I I. The catches C C C C are attached to the top of the safe by the screws D D D D, on which the catches play sufficiently to admit the head of the bolt when forced in, as at I I in fig. 2. L L L L are spiral springs which allow the catches C C C C to open and receive the heads of the bolts, and cause them to close again when the bolts are in, locking and holding them securely.

The bolts may either be solidly attached to the door of the safe, as at B B in fig. 1, or they may be made separately, in the form shown at I in Figure 3, and let into suitable recesses in the door, as at R R in fig. 2. In this latter case the square head of the bolt should be made of the best steel, and tempered to such hardness as to resist boring or cutting, except by the expenditure of great labor and time.

Figure 4 is an edge view of the top of the safe. O O are lugs cast on the plate N, and having the fastenings attached, the catches being shown at C C C C, and the bolts at I I.

Figure 5 is a front view of the safe, T being the door, and Q Q showing the square heads of the solid steel bolts, as above described.

The safe should be made of cast iron, and is constructed with proper flanges, for attaching the meter or other instrument, and is designed to be enamelled on the outside with porcelain or other suitable material, so as plainly to exhibit any marks of violence. When the safe is to be opened by the proper authority, the head of the bolts may be bored out, or the solid door may be broken by a heavy hammer. The door being simply let into the lower plate of the safe by a suitable groove-and-tongue joint, may be readily replaced by another, after being broken for any purpose of examination or adjustment.

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

A safe, of cast or wrought metal, provided with an opening, M, arranged as described, and a door or side, which, when closed, becomes permanently locked, by means of the devices hereinabove described, or their equivalents, so that the safe cannot be opened except by violence, the whole being adapted to enclose and protect a meter, as and for the purpose set forth.

A. W. ADAMS.

Witnesses:

FRED. P. STANTON,

M. H. N. KENDIG.