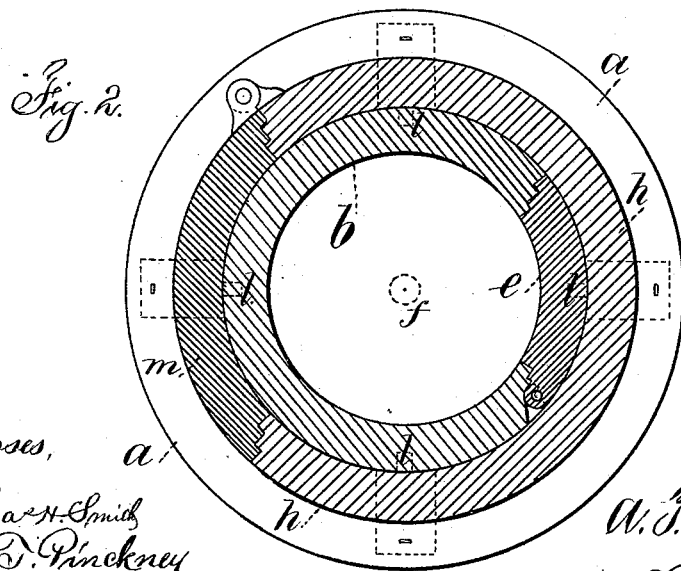
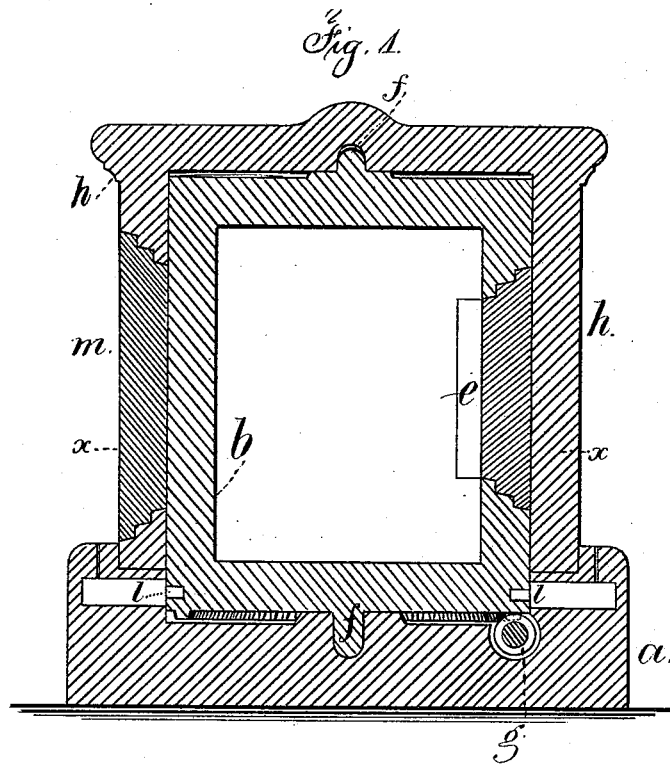


A. T. WOODWARD.
BURGLAR PROOF SAFES.

No. 190,400.

Patented May 1, 1877.



Witnesses,
Chas. H. Smith
Geo. D. Pinckney

Inventor
W. J. Woodward.
per Lemuel W. Ferrill
att'y.

UNITED STATES PATENT OFFICE.

ARTHUR T. WOODWARD, OF NEW YORK, N. Y.

IMPROVEMENT IN BURGLAR-PROOF SAFES.

Specification forming part of Letters Patent No. 190,400, dated May 1, 1877; application filed October 26, 1876.

To all whom it may concern:

Be it known that I, ARTHUR T. WOODWARD, of the city and State of New York, have invented an Improvement in Burglar-Proof Safes, of which the following is a specification:

The object of this invention is to render the safe proof against burglars by a casemate that covers the safe proper, and is secured to the base, which safe and casemate are circular, and the safe is revolved within the casemate, so that access cannot be had to the safe itself until the door thereof is made to correspond with the external door by revolving the safe within the casemate.

In the drawing, Figure 1 is a vertical section of the safe and casemate, and Fig. 2 a plan of the parts sectionally at the line *x x*.

The base *a* of the same is of a size and shape adapted to receive the circular or cylindrical safe *b*, which is constructed of either chilled iron or steel, with a flush door, *e*, formed to set into a recess in the safe *b*, with offsets or shoulders as bearing-surfaces, as usual in safe-doors.

The safe *b* is supported by central pivots *f*, or upon rollers or balls in circular grooves, so that it may be revolved easily, and there is a worm-pinion, *g*, revolved by a crank or key outside the base *a*, acting upon teeth around the bottom of the safe *b*, by means of which the safe can be revolved.

In order to protect this safe I employ the casemate *h*, the inside of which is circular to fit over the safe *b*, and the outside of the casemate is either cylindrical or of any desired ornamental shape.

There are suitable bolts passing from the casemate into the base *a*, so that the casemate and base are firmly held together. These bolts may be in the permanent structure containing the safe, or they may be made with locks, so that the casemate and base can only be separated after operating the locks and bolts.

There are one or more locks applied to the casemate and safe, as illustrated at *l*, the bolts of which prevent the safe being revolved until withdrawn, so that the safe will be rendered very secure by the lock upon the door *m* of the casemate, and by the door *e* of the safe *b* being locked, and then the safe revolved to bring the blank cylindrical portion adjacent to that door *m*. This construction prevents the safe being opened until after the locks have been operated, and the safe *b* partially revolved to bring the inner door to the position of the door in the casemate.

I do not claim a cylindrical safe made with air-spaces and packings adapted to resist fire, as this has been constructed.

I claim as my invention—

A cylindrical safe upon vertical pivots, in combination with a burglar-proof casemate and base, surrounding the safe and fitting the same closely, the gearing for revolving the safe, and the bolts *l* in the base for holding the safe, substantially as set forth.

Signed by me this 24th day of October, A. D. 1876.

ARTHUR T. WOODWARD.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.