

L. G. GLAZIER.
BURGLAR PROOF SAFE DOOR.
APPLICATION FILED DEC. 9, 1909.

958,624.

Patented May 17, 1910.

2 SHEETS—SHEET 1.

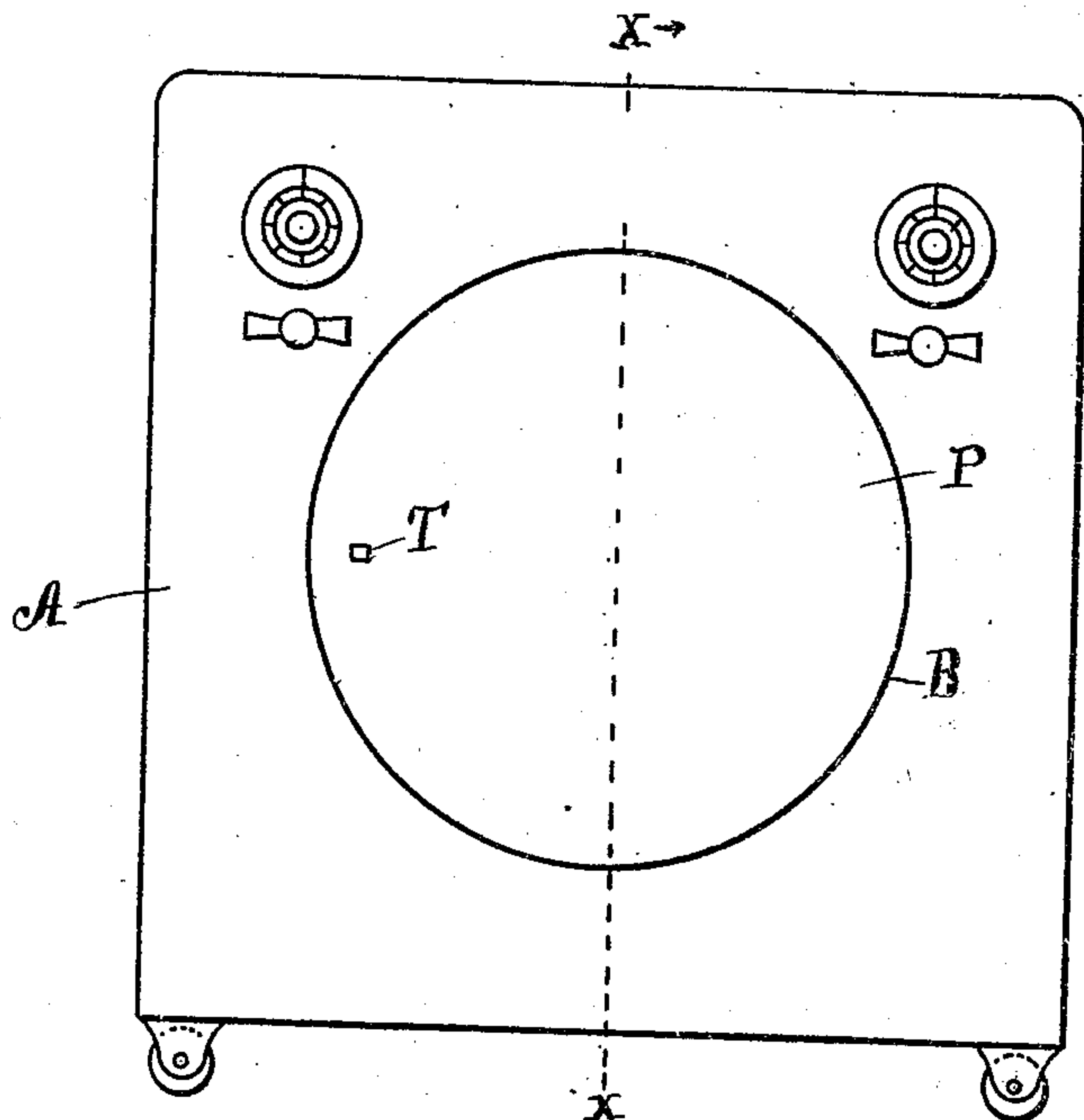


Fig. 1.

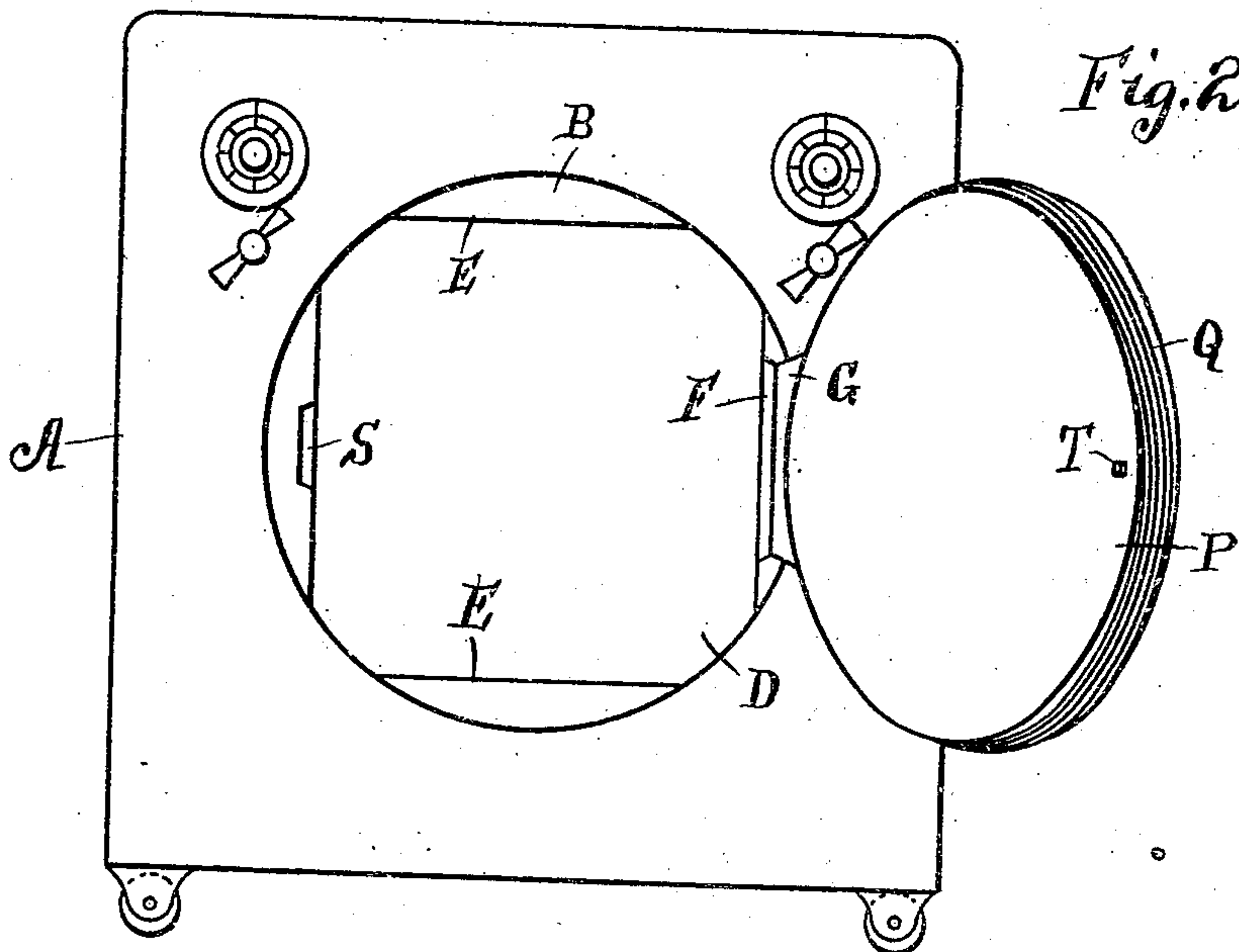


Fig. 2.

WITNESSES

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2 SHEETS—SHEET 2.

Fig. 3.

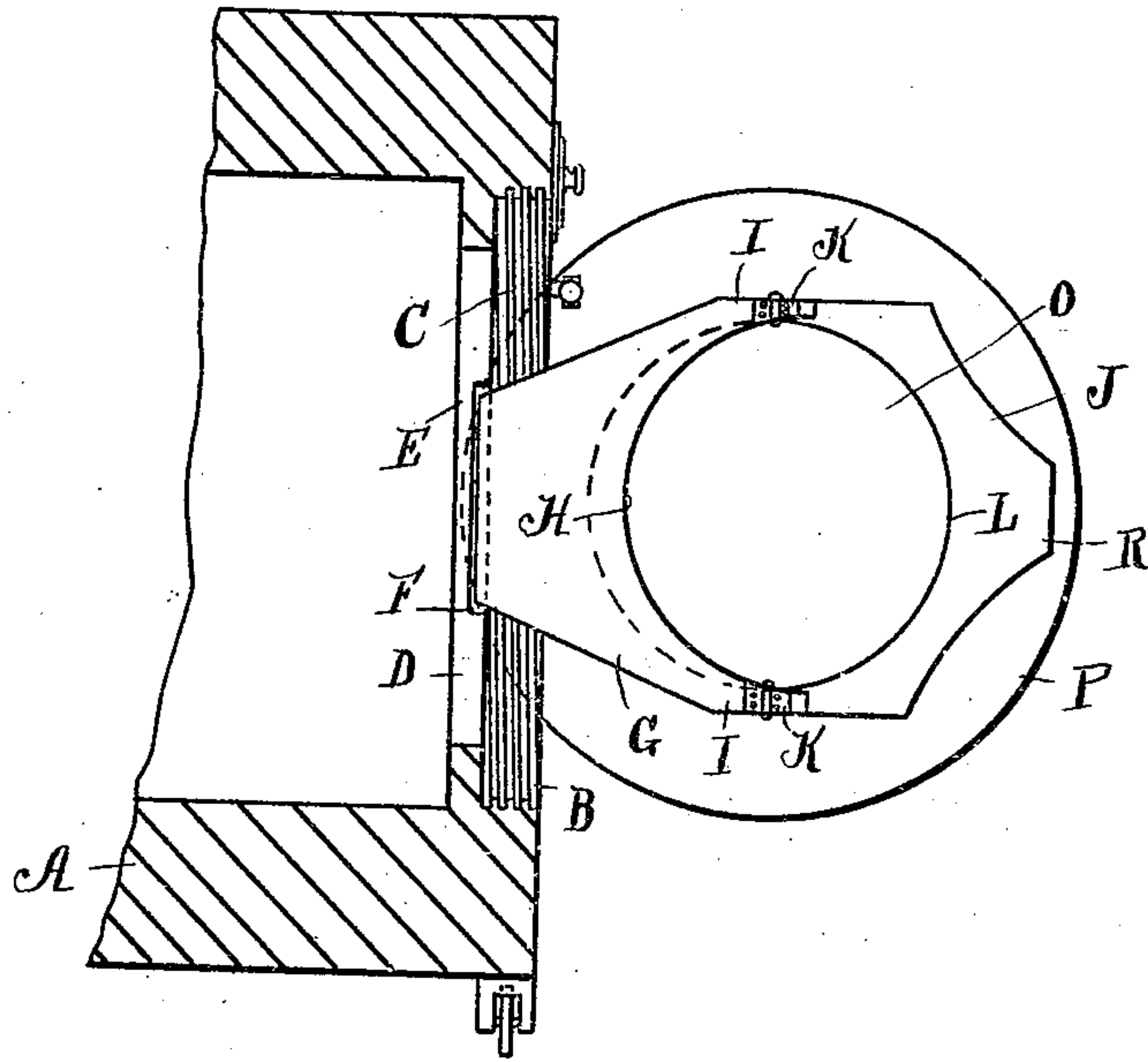
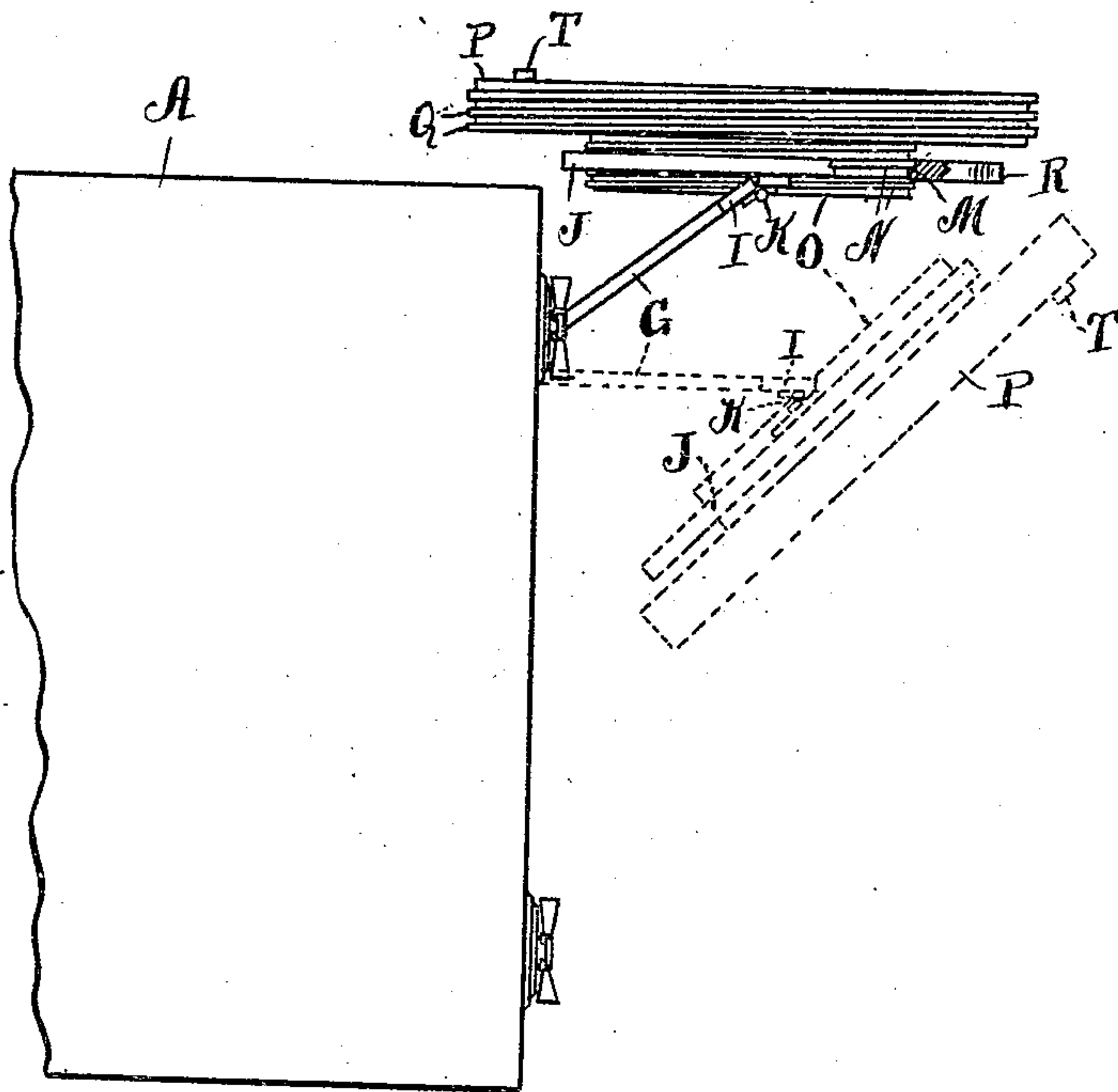


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

LYMAN G. GLAZIER, OF POMFRET CENTER, CONNECTICUT.

BURGLAR-PROOF-SAFE DOOR.

958,624.

Specification of Letters Patent.

Patented May 17, 1910.

Application filed December 9, 1909. Serial No. 532,229.

To all whom it may concern:

Be it known that I, LYMAN G. GLAZIER, a citizen of the United States, residing at Pomfret Center, in the county of Windham and State of Connecticut, have invented a certain new and useful Improvement in Burglar-Proof-Safe Doors, of which the following is a specification.

My invention relates to a new and useful improvement in burglar proof safe doors, and has for its object to provide an exceedingly simple and effective device of this character which may be readily opened by anyone knowing the combination, but cannot be blown from place.

In accomplishing the above named objects, I employ a round door having threads upon its periphery, which mesh with threads formed in the door opening in the front of the safe, and being round and threaded it is necessary to remove said threads in some manner before the door can be taken from its place, unless the combination has first been manipulated. To remove said threads it will be necessary to use a number of charges for blowing them away, or else use a charge sufficient to blow the safe in half, which would of course destroy the contents, thereby rendering them worthless.

A still further object of the invention is to provide a carriage for swinging the door open or closed, which will be entirely hidden when the door is closed.

A still further object is to provide a door holding member hinged to the carriage so that the door will swing into different positions when open.

With these ends in view, this invention consists in the details of construction and combination of elements, hereinafter set forth and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a front elevation of a safe embodying my improvement showing the door closed. Fig. 2, a similar view, the door being open. Fig. 3, a section at the line $x-x$ of Fig. 1 looking in the direction of the arrow, a portion of the safe being broken

away, and Fig. 4, a plan view of a portion of the safe showing the door swung back to its full extent and showing in dotted lines one of the other positions which it may take.

In carrying out my invention as here embodied, A represents the body of the safe, having a circular door opening B formed in the front wall thereof, said opening having threads C formed in its side walls. Back of the door opening is formed another opening D, which passes to the interior of the safe, and of any desirable shape to form the ribs E, and in one of these ribs is formed the indentation F for the reception of one end of the carriage G, which is hinged at this point to the safe body. The free end of this carriage has a semi-circular opening H formed therein, thus producing arms I, to which is hinged the door carrying member J, by the hinges K.

The door carrying member has a circular opening L formed therein and which is provided with threads M in its inner walls, with which mesh the threads N formed on the periphery of the circular projection O, which is preferably formed on the inner face of the circular door P, whose periphery is provided with threads Q.

The door carrying member J has a lip R which registers with the pocket S in one of the ribs E when the door is closed, thus relieving a portion of the strain upon the carriage and also stopping said carriage when the door is in position for its threads to mesh with the threads in the door opening.

On the outer face of the door is placed a wrench hold T, on which may be placed a suitable crank or handle for turning the door to either open or close it.

In practice the combination will be similar to that used in other safes, and when manipulated to unlock the bolts, said bolts may be turned back and a crank placed upon the wrench hold T and the door threaded from the door opening. While backing off the door, the projection O will partially back out of the door carrying member J, but will not thread entirely out. This will allow the door to be swung to any position the carriage and door carrying member will take. To lock the safe it is only necessary to reverse said movements.

Of course I do not wish to be limited to the exact details of construction here shown,

as these may be varied within the limits of the appended claim without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful, is—

5 In combination, a safe having a circular threaded door opening and another opening of smaller size, thereby forming ribs, a number of which are provided with apertures, a
10 carriage hinged to one of said ribs and resting in the aperture formed therein, said carriage having a semi-circular opening formed in its free end, thus producing arms, a door carrying member provided with a threaded
15 circular opening and having a lip which engages the aperture in one of the other ribs,

said door carrying member being hinged to the arms of the carriage, a circular door having threads formed upon its periphery, a threaded projection formed on the inner 20 surface of said door, engaging the circular opening in the door carrying member, and a wrench hold mounted on the outer surface of said door, for the purpose set forth.

In testimony whereof, I have hereunto 25 affixed my signature in the presence of two subscribing witnesses.

LYMAN G. GLAZIER.

Witnesses:

JOHN S. JAEGER,

HENRY LAGUE.