

No. 872,156.

PATENTED NOV. 26, 1907.

F. SIEBERT.
LOCK.

APPLICATION FILED AUG. 23, 1907.

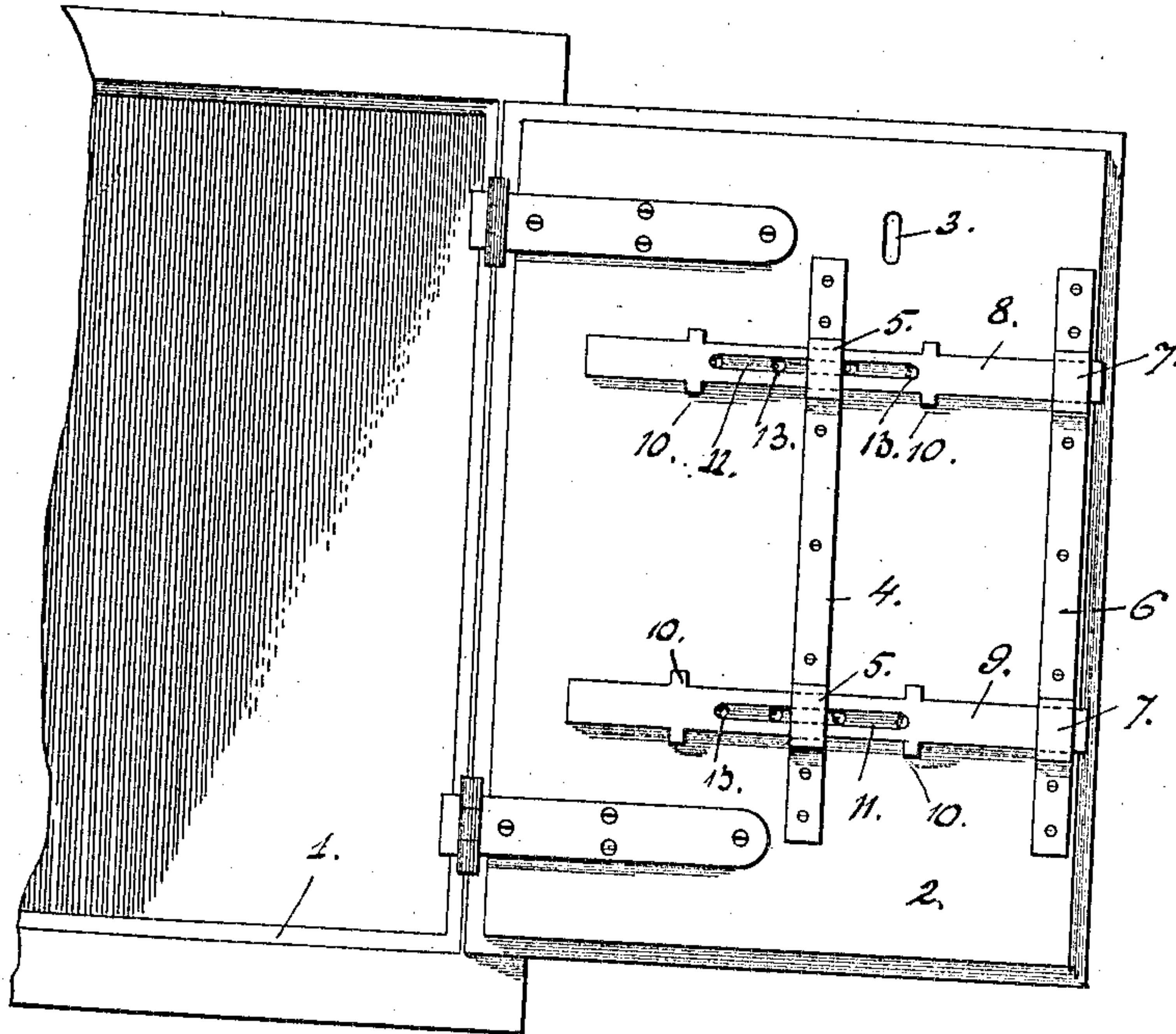


Fig. 1.

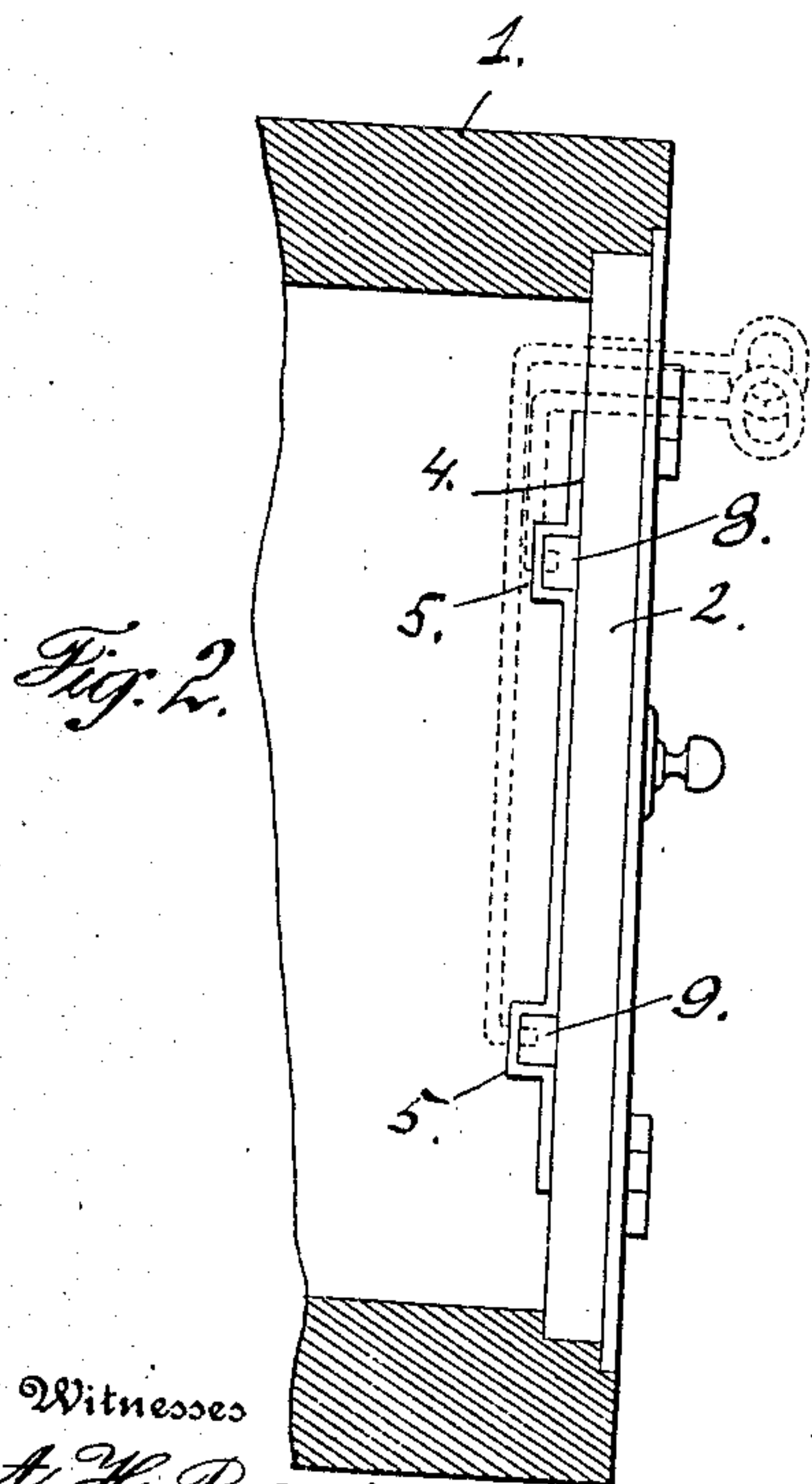


Fig. 2.

Fig. 3.

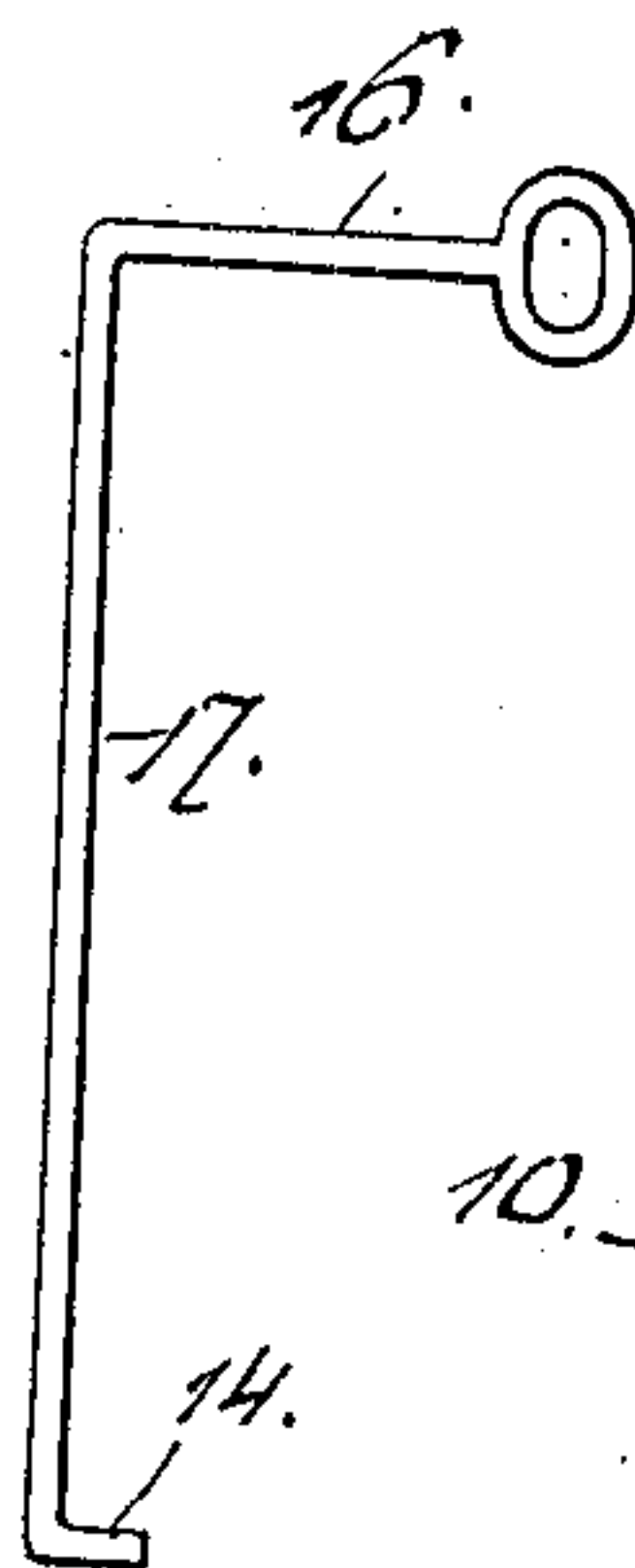


Fig. 4.

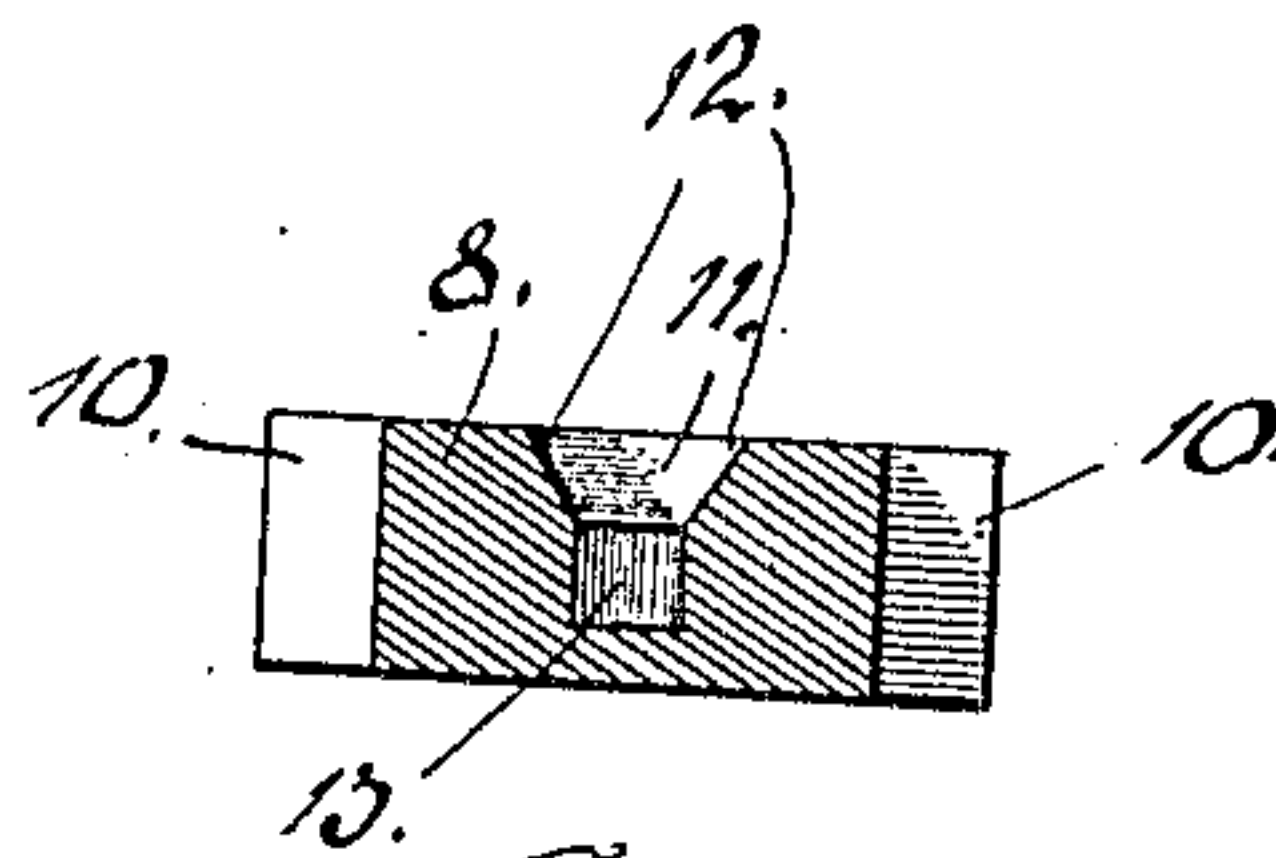
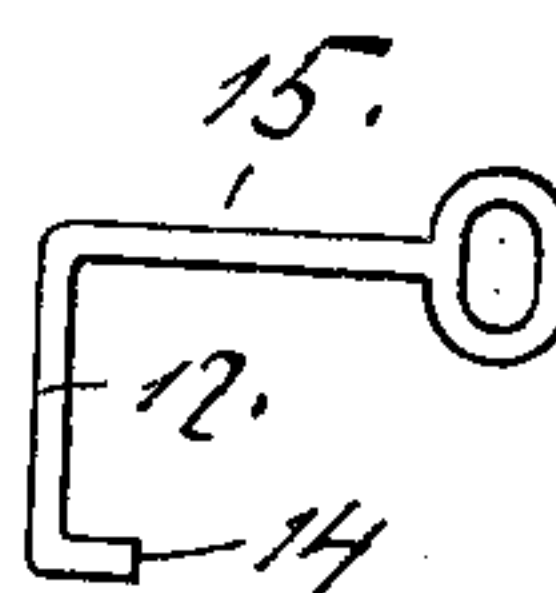


Fig. 5.

Witnesses
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UNITED STATES PATENT OFFICE.

FRITZ SIEBERT, OF OAKDALE, PENNSYLVANIA.

LOCK.

No. 872,156.

Specification of Letters Patent.

Patented Nov. 26, 1907.

Application filed August 23, 1907. Serial No. 389,897.

To all whom it may concern:

Be it known that I, FRITZ SIEBERT, a citizen of the United States of America, residing at Oakdale, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Locks, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to locks adapted to be applied to safes, vaults and other structures upon which hinged doors are employed.

15 The invention consists of one or more bolts of novel construction slidably supported on the inner side of a door, combination with a key or keys, of specific form, adapted to be inserted through an opening in the door.

20 The construction of the improvement will be fully described hereinafter in connection with the accompanying drawing which forms a part of this specification, and its novel features will be defined in the appended claims.

25 In the drawing:—Figure 1 is an elevation of a safe door with my improved locking mechanism applied thereto, Fig. 2 is a sectional view of the safe showing the door in closed position, and the keys for sliding the bolts in dotted lines, Fig. 3 is an elevation of one of the keys employed, Fig. 4 is a similar view of the other key, and, Fig. 5 is a transverse section of one of the sliding bolts.

30 The reference numeral 1 designates a safe provided with a hinged door 2 formed with an elongated opening 3 serving as a key-hole. Secured centrally to the inner side of the door 2 is a vertically-disposed metallic bar or strap 4 formed adjacent to each of its ends with a loop or keeper 5. A similar bar or strap 6 having loops or keepers 7 alining with those of the bar 4, is secured to the door adjacent to its outer edge. The horizontally-alined loops or keepers 5 and 7 serve as keepers to support parallel slidable bolts 8 and 9. Each formed with integral stop-lugs 10 to limit their movement within the keepers. Each of the bolts 8 and 9 is

also formed on its outer side with a longitudinal groove 11 between the stop lugs, the walls 12 of said grooves being oppositely beveled as shown in Fig. 5.

A series of circular recesses 13 is formed in the bolts 8 and 9 within the grooves therein, said recesses being adapted to receive the bent end 14 of keys 15 and 16. These keys are of similar form except that the stem 17 of the key 15 is much shorter than that of the key 16, the key 15 being adapted for the manipulation of the upper bolt 8, while the key 16 is made long enough to engage the lower bolt 9, as illustrated in Fig. 2 by dotted lines.

The utility and operation of the improvement will be readily understood. The keys are successively inserted into the opening 3 in the door to slide the bolts to lock or unlock the door. The flaring walls of the groove facilitate the insertion of the bent ends of the keys into the recesses 13.

It will be apparent that the invention is not restricted to the use of two bolts as one or more than two bolts might be employed.

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

1. The combination with a door, of locking mechanism comprising loops or keepers secured thereto in horizontal alinement, a bolt supported in said loops or keepers, and formed with a series of recesses, and a key adapted to be inserted through an opening in the door, and having the bent end adapted to project into said recesses.

2. The combination with a door, of parallel bars or straps, formed with loops or keepers, bolts slidably supported within said loops or keepers, and formed with longitudinal grooves and recesses within said grooves and keys provided with projecting ends to engage said recesses.

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

FRITZ SIEBERT.

Witnesses:

MAX H. SROLOVITZ,
C. V. BROOKS.