No. 612,086. Patented Oct. 11, 1898.

O. BERRY.

DOOR LOCK.

(Application filed Apr. 18, 1898.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 3.

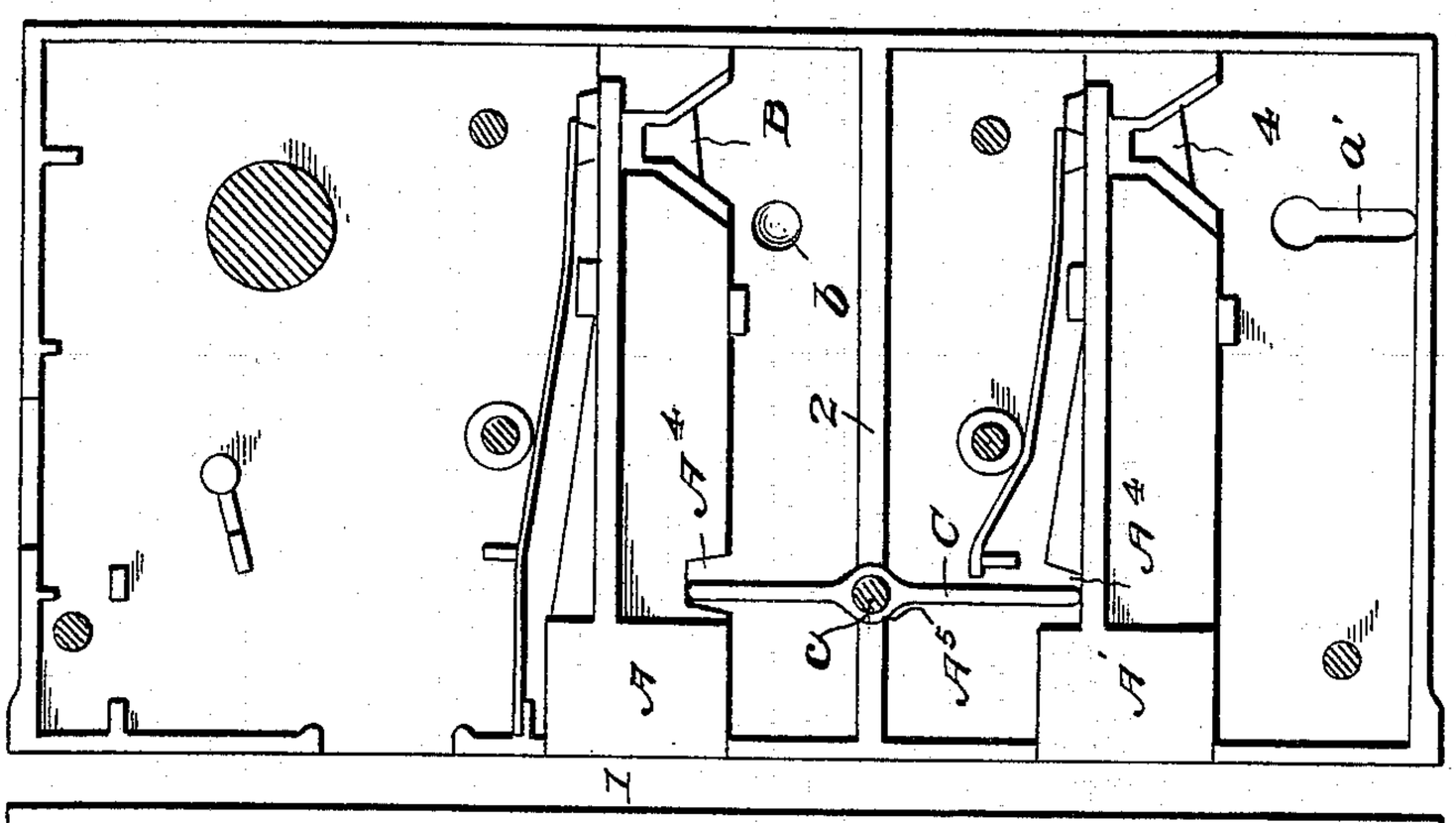


Fig. 2.

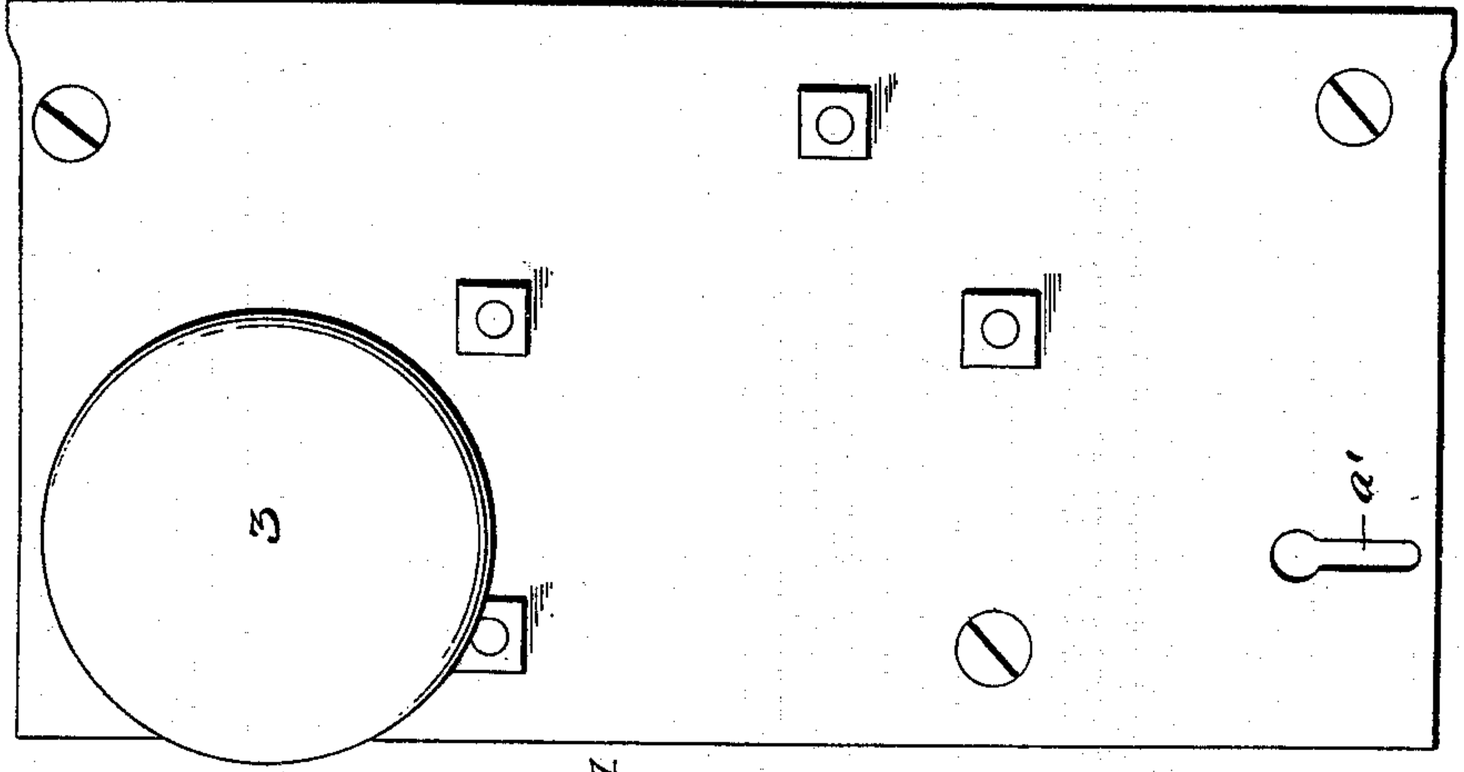
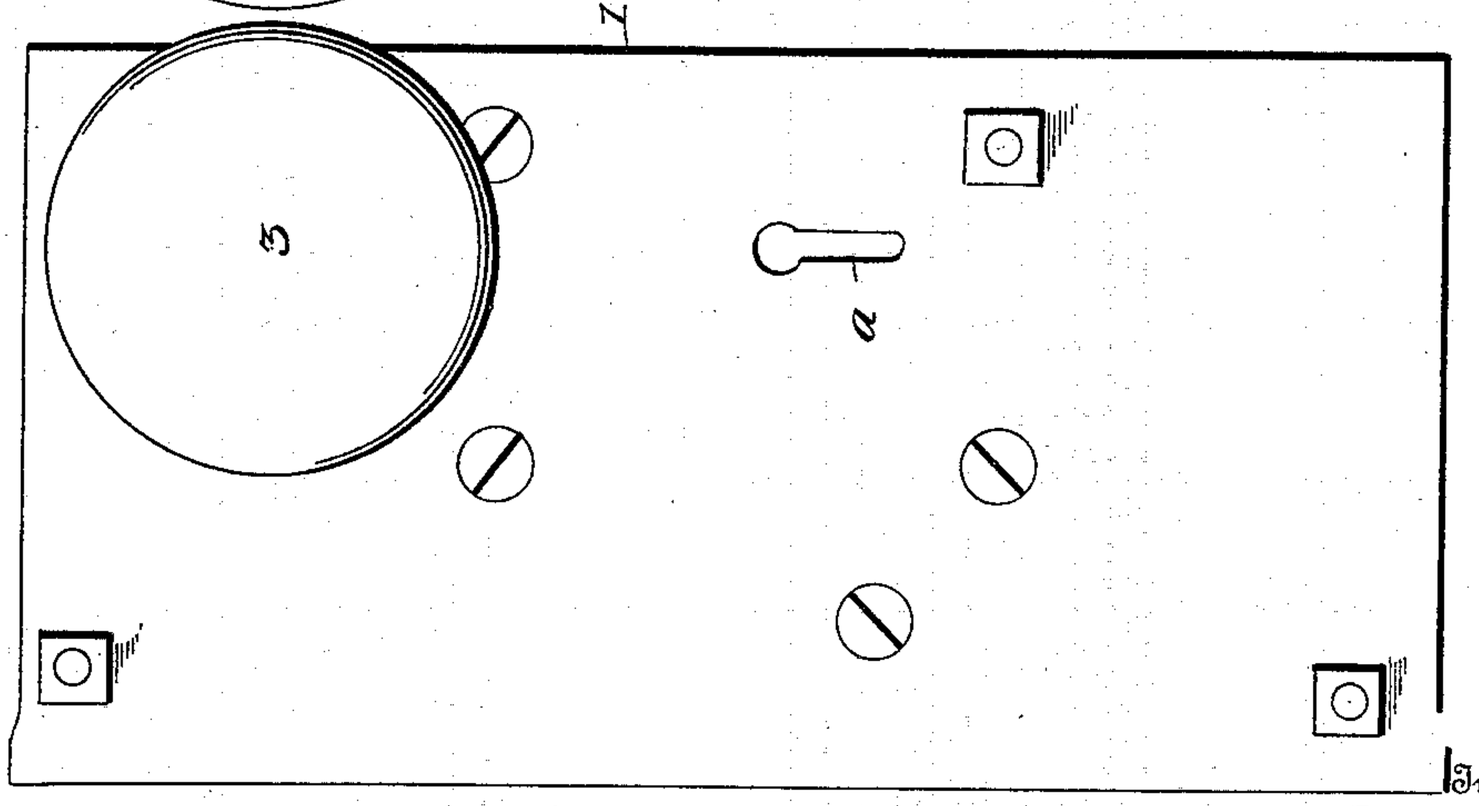


Fig. 1.



Witnesses

Inventor

— Olin Berry —

by

Attorneys

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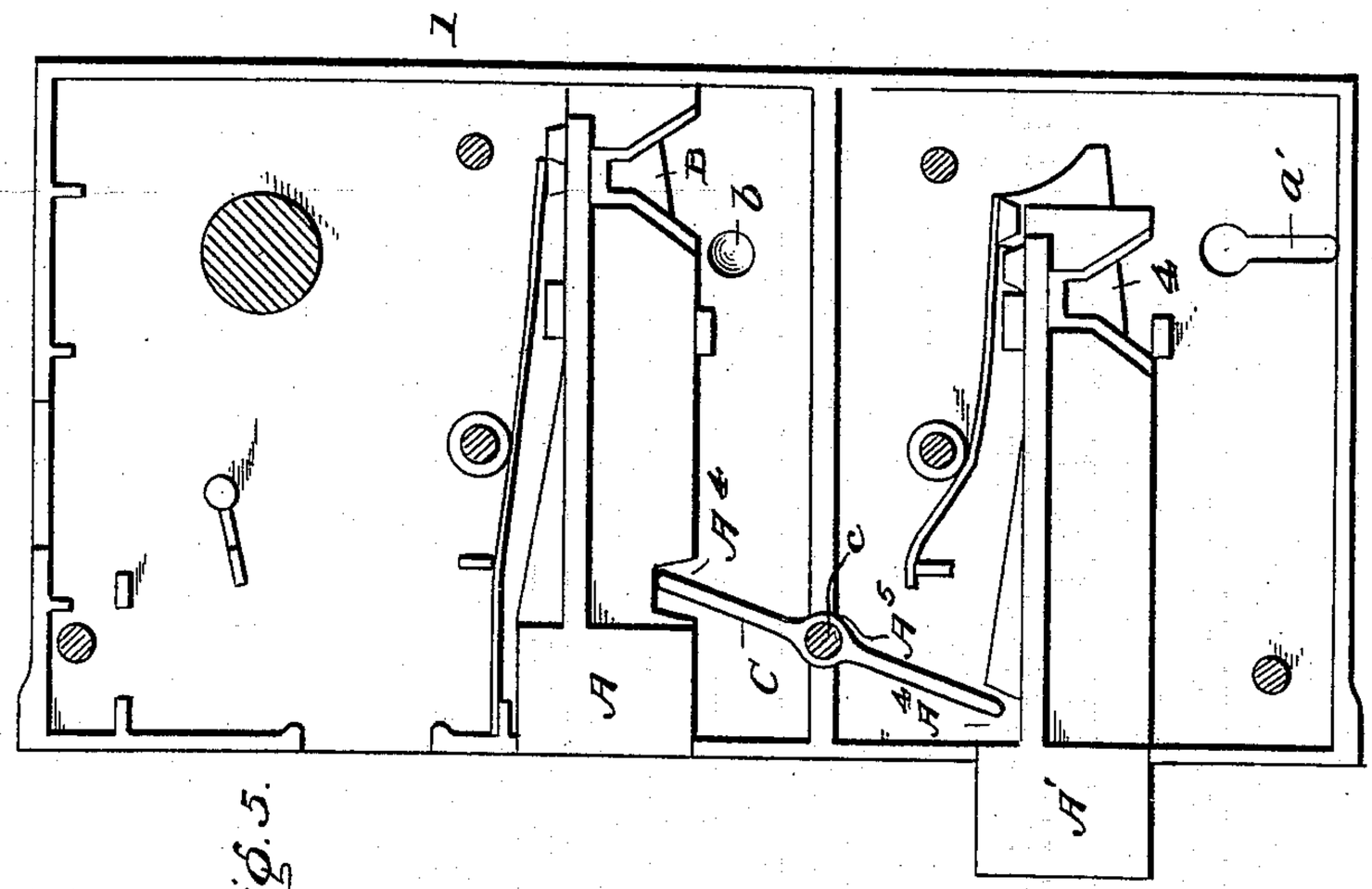

Fig. 5.

Fig. 4.

Witnesses

Inventor

Olin Berry

by

Attorneys

UNITED STATES PATENT OFFICE.

OLIN BERRY, OF BIRD CITY, KANSAS.

DOOR-LOCK.

SPECIFICATION forming part of Letters Patent No. 612,086, dated October 11, 1898.

Application filed April 18, 1898. Serial No. 678,029. (No model.)

To all whom it may concern:

Be it known that I, OLIN BERRY, a citizen of the United States, residing at Bird City, in the county of Cheyenne and State of Kansas, have invented certain new and useful Improvements in Door-Locks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to door-locks; and the object is to provide a door-lock which when locked from one side cannot be unlocked from the opposite side of the door and which will prevent inquisitive persons peeping through the keyhole, as well as preventing the injection of gases and vapors through the keyhole for the purpose of rendering the occupants of the room unconscious.

With this object in view the invention consists in certain features of construction and combination of parts, which will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a view of one side of the casing. Fig. 2 is a view of its opposite side. Fig. 3 is a view with the plate of the casing removed, showing both bolts of the lock retracted. Fig. 4 is a view showing the upper bolt shot and the lower bolt retracted; and Fig. 5 is a similar view, the position of the bolts being reversed.

Broadly stated, the invention consists in combining two door-locks, which may be of ordinary construction, and providing a keyhole for each locking mechanism, one hole opening on one side of the casing and the other hole opening on the opposite side of the casing and being above the first hole and out of register therewith, and providing a connection between the bolts of each locking mechanism whereby when one bolt is shot from one side of the door it will be impossible to retract it from the opposite side and also impossible to lock it.

In said drawings, 1 denotes the lock-casing provided with a partition 2. In the casing, above the partition, is the door-knob 3, the locking-bolt A, and its spring-actuated locking dog or tumbler B. In the casing below the partition are the bolt A′ and the spring-actuated locking dog or tumbler 4.

The lock-casing above the partition is provided with a keyhole *a*, that extends on one side of the casing and to which access may be had from the inside of the room, and the lock-casing below the partition has a hole *a′*, to which access may be had from the outside of the room. Opposite these keyholes and formed in the sides of the casing are circular recesses *b* to receive the inner or spindle end of the key to support it while being turned. The bolts have in their adjacent edges notches A^4, and opposite these notches in the partition is a notch A^5.

C denotes the lever that extends through the notch in the partition and has its ends projecting in the notches of the bolt. This lever is pivoted to the post *c*, and for convenience of expression I will term it the "connecting-lever."

The operation of the invention is as follows: The bolts being retracted, as shown in Fig. 3, and it being desired to lock the door from without, the key is inserted into the keyhole *a*, and engages the bit-slot of the bolt A and the free end of the locking-dog of that bolt said bolt is shot and the door locked by the upper bolt, as shown in Fig. 4. It would now be impossible for a person within the room to unlock the door, because there is no keyhole through which a key could be inserted for the purpose of actuating the bolt A, and neither could said person shoot the bolt A′ with the intention of keeping the outsider from entering the room, inasmuch as the upper bolt is locked against retraction by its locking-dog and the connecting-lever connecting the upper bolt with the lower bolt would prevent the forward movement of the lower bolt, its ends bearing against the inner walls of the slots in each bolt. When the lower bolt is shot from within the room, it will likewise be impossible for a person from without gaining admission to the room, and it will also be impossible for a person from without shooting the upper bolt with the intention of locking the door so that persons within the room cannot get out.

Should it be attempted to inject poisonous vapors through the keyhole, the partition within the casing and between the two keyholes would prevent the gases and vapors passing from the outer keyhole to the inner keyhole.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring an extended explanation.

While I have shown my invention in connection with locks of the ordinary type, I would have it distinctly understood that I do not wish to be restricted to this form of lock, as any other well-known or approved form may be employed and my invention still carried out.

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

The combination with a lock-casing of two locking mechanisms inclosed therein and comprising bolts and their tumblers, the casing having a keyhole on one side for one locking mechanism, and a non-registering keyhole on the opposite side for the other locking mechanism, the bolts of the locking mechanisms being provided with slots, a partition separating the two sets of locking mechanisms and being provided with a slot, and a pivoted lever extending through the slot in the partition and having its ends projecting within the slots of the bolts, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

OLIN BERRY.

Witnesses:
ROBT. ROBERTSON,
A. R. GREGORY.