

No. 646,621.

Patented Apr. 3, 1900.

F. B. DENMAN.

KEY.

(Application filed Aug. 25, 1899.)

(No Model.)

Fig. 1

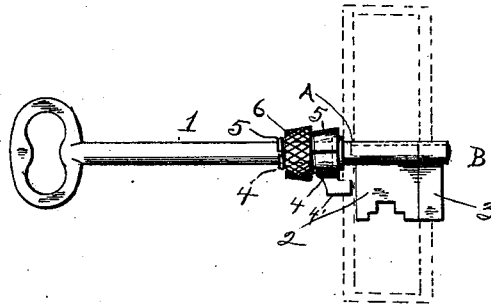


Fig. 2

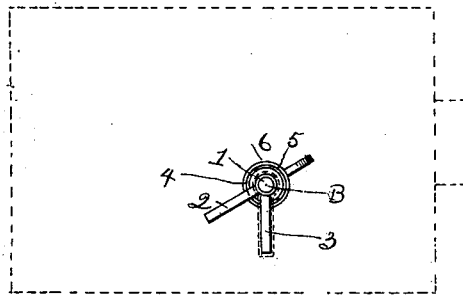


Fig. 4

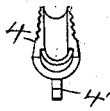


Fig. 5

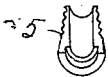
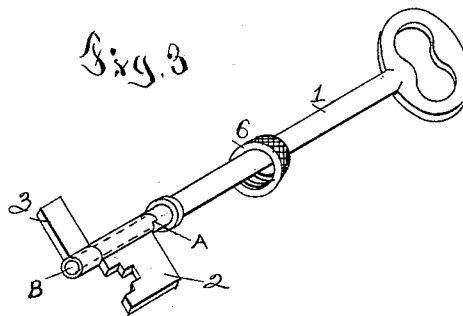


Fig. 3



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## KEY.

SPECIFICATION forming part of Letters Patent No. 646,621, dated April 3, 1900.

Application filed August 25, 1899. Serial No. 728,410. (No model.)

*To all whom it may concern:*

Be it known that I, FRED B. DENMAN, a citizen of the United States of America, residing at No. 47 Inwood street, Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Keys; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to certain new and useful improvements in door-keys.

The invention has for its object the provision of a door-key which cannot be removed from the lock at the opposite or outside of the door, neither can the key become lost or removed from either side by jamming, &c., while the key is in position.

With the above objects in view the invention finally consists in the novel construction, combination, and arrangements of parts, as will be hereinafter more fully described in detail.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, wherein like letters and numerals of reference designate like parts in the several views, in which—

Figure 1 is a horizontal side view of my improved key. Fig. 2 is an end view of the same, partly turned. Fig. 3 is a perspective view of the same, having the jam-sleeve removed. Figs. 4 and 5 are perspective views of the two parts forming the jam-sleeve.

In the drawings, the numeral 1 designates the shank of the key, which is reduced at one end from A to B. A suitable ward 2 is fitted upon this reduced portion of the key and made fast thereto. This may be done by forming a small shoulder or offset, as shown at A. A

dummy ward 3 is placed upon the end of the shank, but is free to rotate upon the said shank. A split sleeve composed of the two parts 4 and 5 is provided. This sleeve is tapered upon its outside and provided with threads, and upon the part 4 is formed a projecting lug 4' to engage the keyhole at one side of the lock. An internally-threaded nut 6 is provided to engage over the split sleeve and bind the same to the shank of the key, said sleeve being placed upon the shank before the wards are attached.

In practice the key is inserted in the door-lock so that the dummy ward 3 will fill the keyhole in the opposite side piece of the lock, a lock being shown by dotted lines upon Figs. 1 and 2. The projecting lug 4' upon the split sleeve is caused to enter the keyhole in the other side piece of the lock. After these parts are in position the screw 6 is tightened slightly. The key is then turned as heretofore, and if always kept partly turned, as shown in Figs. 2 and 3, it will be impossible for it to be removed from the outside or shaken out of place by opening and closing the door.

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

In a door-key, the combination with its shank of the pivoted dummy ward 3, the split sleeve formed of the parts 4 and 5, one of which is provided with a projection 4' and the nut 6, all arranged and combined as shown and set forth.

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

FRED B. DENMAN.

Witnesses:

JOHN GROETZINGER,  
M. HUNTER.