

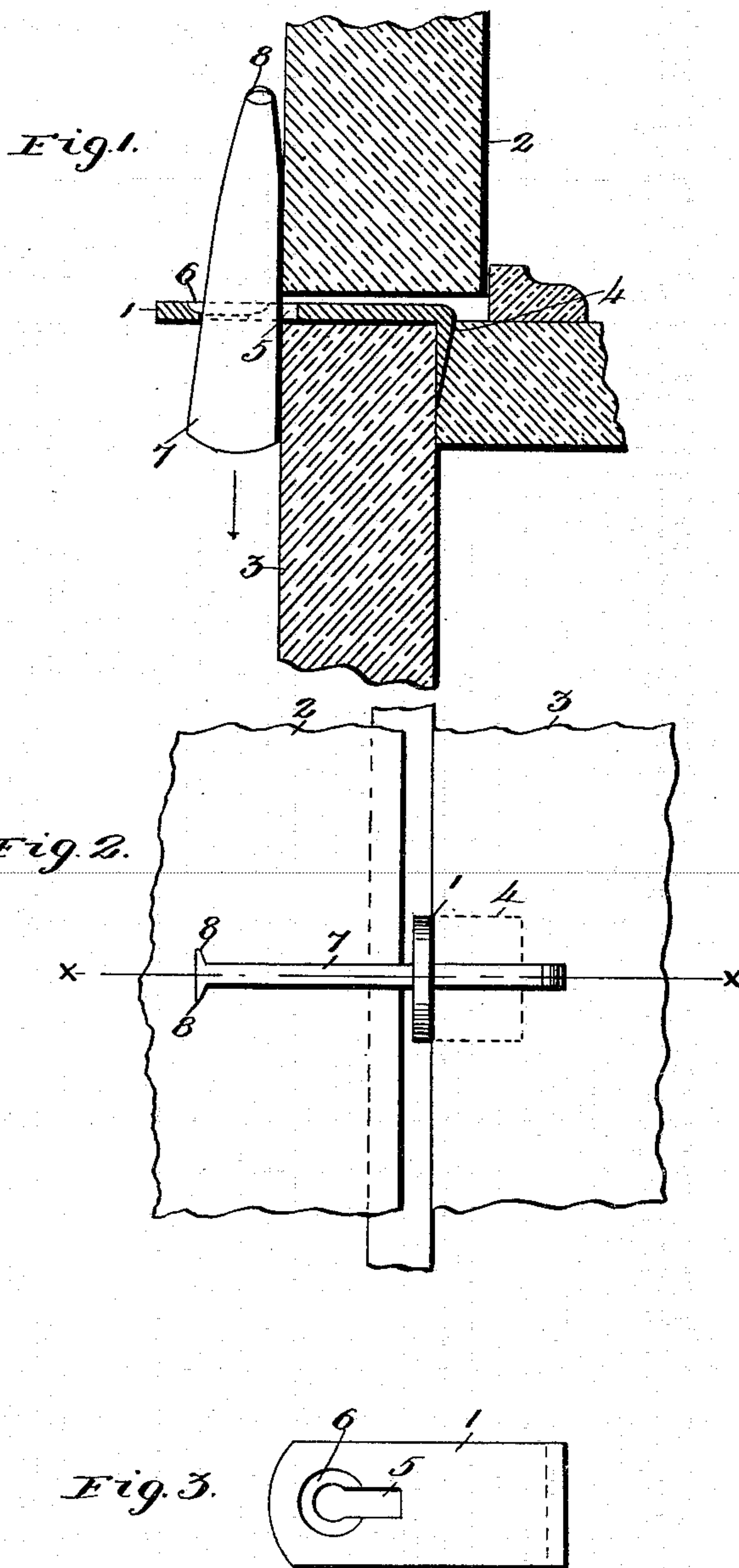
No. 612,095.

Patented Oct. 11, 1898.

A. FOWLER & P. N. GREEN.
DOOR LOCK.

(Application filed Apr. 23, 1898.)

(No Model.)



WITNESSES:

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DOOR-LOCK.

SPECIFICATION forming part of Letters Patent No. 612,095, dated October 11, 1898.

Application filed April 23, 1898, Serial No. 678,654. (No model.)

To all whom it may concern:

Be it known that we, ALLEN FOWLER and PLEASANT N. GREEN, citizens of the United States, residing at Union City, in the county of Obion and State of Tennessee, have invented certain new and useful Improvements in Door-Locks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part thereof.

Our invention relates to improvements in door-locks; and it consists in the novel combination and arrangement of parts, as will be hereinafter more particularly described, and pointed out in the claim.

In the drawings, Figure 1 is a transverse section taken on the line $x x$ of Fig. 2, showing our complete invention. Fig. 2 is a front view of the same, and Fig. 3 is a plan view of the plate that is secured to the door-frame.

The object of our invention is to construct a simple, inexpensive, and effective door-lock that may either form a permanent part of the door-frame or be removed at pleasure and conveniently carried in the pocket and instantly applied to any door that is desired to be locked without the employment of screws or other fastening devices.

Briefly stated, the invention consists of two parts, one of which comprises a plate having a tapering right-angular extension forming a chisel edge which is adapted to be forced into the door-frame or other rigid part of the same, an elongated opening formed in the opposite end of the plate, a portion of which is countersunk, a wedge-shaped key slidingly located in said elongated opening, the reduced or small end of which is provided with two lugs which operate to prevent the said key from being entirely removed from the plate when the door is desired to be unlocked, and yet allow the key to be removed or inserted in the elongated opening in the plate when the same is turned in a reverse position to that shown in the drawings.

Referring to the drawings, 1 represents a flat plate, the thickness being such that the same can be easily inserted between the door 2 and frame 3 without obstructing the opening or closing of said door, as clearly shown in Fig. 1. The inner end of the plate 1 is provided with a tapering right-angular extension 4, which terminates on a chisel edge,

in order that when the door is in an open position and the plate inserted in the proper position, with the tapering extension of the same in contact with the door-frame, the closing of said door against the plate will force the chisel edge of said extension into the door-frame and the plate thereby rigidly secured to the same. In securing the plate to the door-frame the opposite end of the same is allowed to project a suitable distance, and formed in said projecting end is an elongated opening 5, a portion of which and on one side thereof is countersunk, as shown at 6.

The tapering flat key 7, which forms the movable part of the lock and adapted to be moved in contact with door, as shown in the drawings, is provided with projecting lugs or ears 8, which are located at the reduced end of said key and project from the opposite flat sides of the same. By the employment of the lugs 8 the tapering key 7 is prevented from being accidentally withdrawn from the plate 1, and by being received by the countersunk portion of the elongated opening in said plate the door on being opened will clear that end of said key, or, in other words, the end of the key will be flush with the plate. The key can easily be inserted or removed from the plate by turning the key in the reverse position shown in the drawings after the lugs forming a part of the same are brought against the plate or located in the countersunk portion forming a part of the elongated slot of said plate.

Having fully described our invention, what we claim is—

A door-lock comprising a plate having a tapering right-angular extension forming a chisel edge, a slot formed in the opposite end of said plate, a portion of which is countersunk, a wedge-shaped key movably located in said slot, and oppositely-located lugs forming a part of the reduced end of said key, and adapted to be received by the countersunk portion of said slot, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

ALLEN FOWLER.

PLEASANT N. GREEN.

Witnesses:

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