

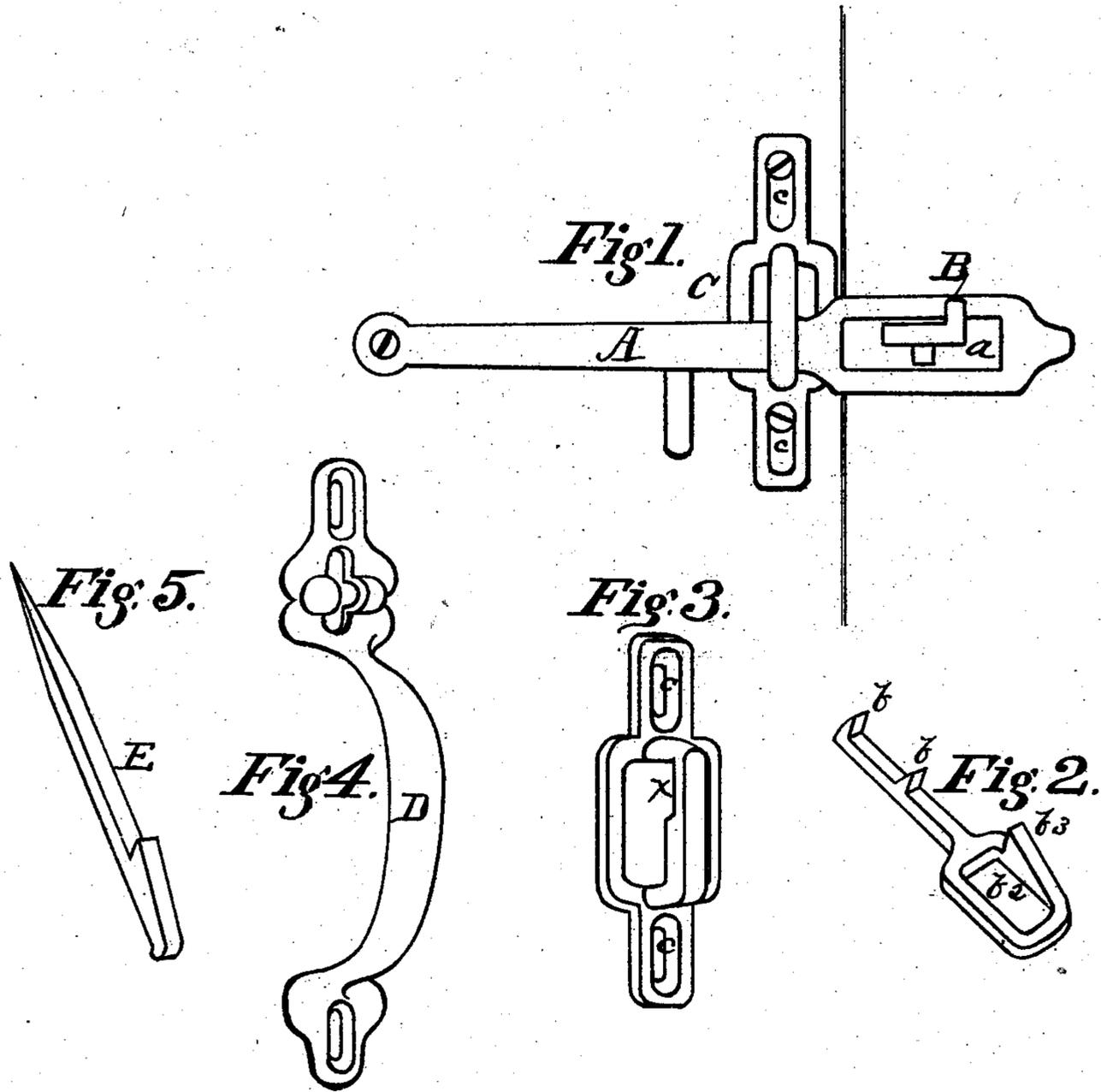
(Model.)

2 Sheets—Sheet 1.

F. CLYMER.
LIFTING LATCH.

No. 248,025.

Patented Oct. 11, 1881.



Witness
 Frank R. Tibbitts
 Louis C. Cooper

Inventor;
 Francis Clymer
 By Geo. W. Tibbitts Atty

(Model.)

2 Sheets—Sheet 2.

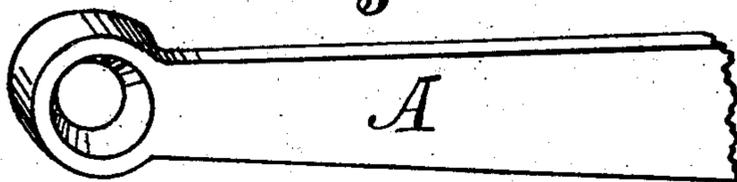
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Fig. 6.



Witness;

Frank R. Tibbitts.

Chas. D. O'Connor.

Inventor;

Francis Clymer

By Geo. W. Tibbitts, atty.

UNITED STATES PATENT OFFICE.

FRANCIS CLYMER, OF GALION, OHIO.

LIFTING-LATCH.

SPECIFICATION forming part of Letters Patent No. 248,025, dated October 11, 1881.

Application filed March 12, 1881. (Model.)

To all whom it may concern:

Be it known that I, FRANCIS CLYMER, of Galion, in the county of Crawford and State of Ohio, have invented certain new and useful Improvements in Gate and Barn-Door Latches, which improvements are fully set forth in the following specification.

The nature and objects of these improvements will fully appear from the subjoined description when considered in connection with the accompanying drawings, in which—

Figure 1 is an elevation of my improved latch as seen attached to a door. Fig. 2 is a detached view of the looped catch. Fig. 3 is a detached view of the latch-guard. Fig. 4 is a detached view of the handle. Fig. 5 is a detached view of the holdback-staple and hook; and Fig. 6 is a detached view of the latch, showing the thickened end.

A is a latch-bar, having on its outer end a loop, *a*, which slips over the catch-hook B. The catch-hook B consists of a staple having hooks or teeth *b b* on the upper side of its shank, the outer end having a loop, *b²*, provided with an incline catch, *b³*.

C is a guard for supporting the latch-bar A. It has elongated slotted countersunk screw-sockets *c c*, by means of which it is secured to the door or gate, the object of which slots is to enable the guard and latch-bar to be adjusted whenever the door or gate settles or sags. The end of the latch-bar A, where attached to the door, is made double thick, or has a fixed washer, so as to raise the said bar and make it lie even in the guard C, which also has an enlargement at *x* to allow the thickened eye of the aforesaid bar to pass through.

D is a door-handle, having the screw-seats

elongated also, for the purpose of enabling the handle to be adjusted in case of sagging of the door.

E is a staple, having a hook, *e*. This is designed to be driven into the wall and serve as a catch for the latch-bar A to engage with and hold the door or gate open.

The method of securing the catch-hook B is to make a hole in the door-jamb and insert the shank, then drive a headless nail in the hole underneath the shank. This forces the hooks or teeth *b b* up into the wood, and thus firmly fixes it in place.

The loop or eye in the outer end of the catch B is for the purpose of attaching a padlock, whereby a gate or door may be locked.

With these improvements a simple, complete, and easily adjusted latch is made, possessing neatness and durability, and, being cast in malleable iron, they are tough and strong.

The ordinary catch for doors is also provided with slotted screw-seats, which enables the same to be adjusted in case of sagging.

Having described my invention, I claim—

In a gate or barn-door latch, the combination of the latch-bar A, having loop *a* and thickened eye, with the catch-hook B, having the teeth or hooks *b b* on the shank, the loop *b²*, and incline catch *b³*, the guard C, having the slotted screw-seats *c c* and enlargement *x*, the handle D, having slotted screw-seats, and the holdback-staple E, with hook *e*, all constructed and operating as shown, and for the purpose specified.

FRANCIS CLYMER.

Witnesses:

ABM. UNDERWOOD,
S. KINSEY.