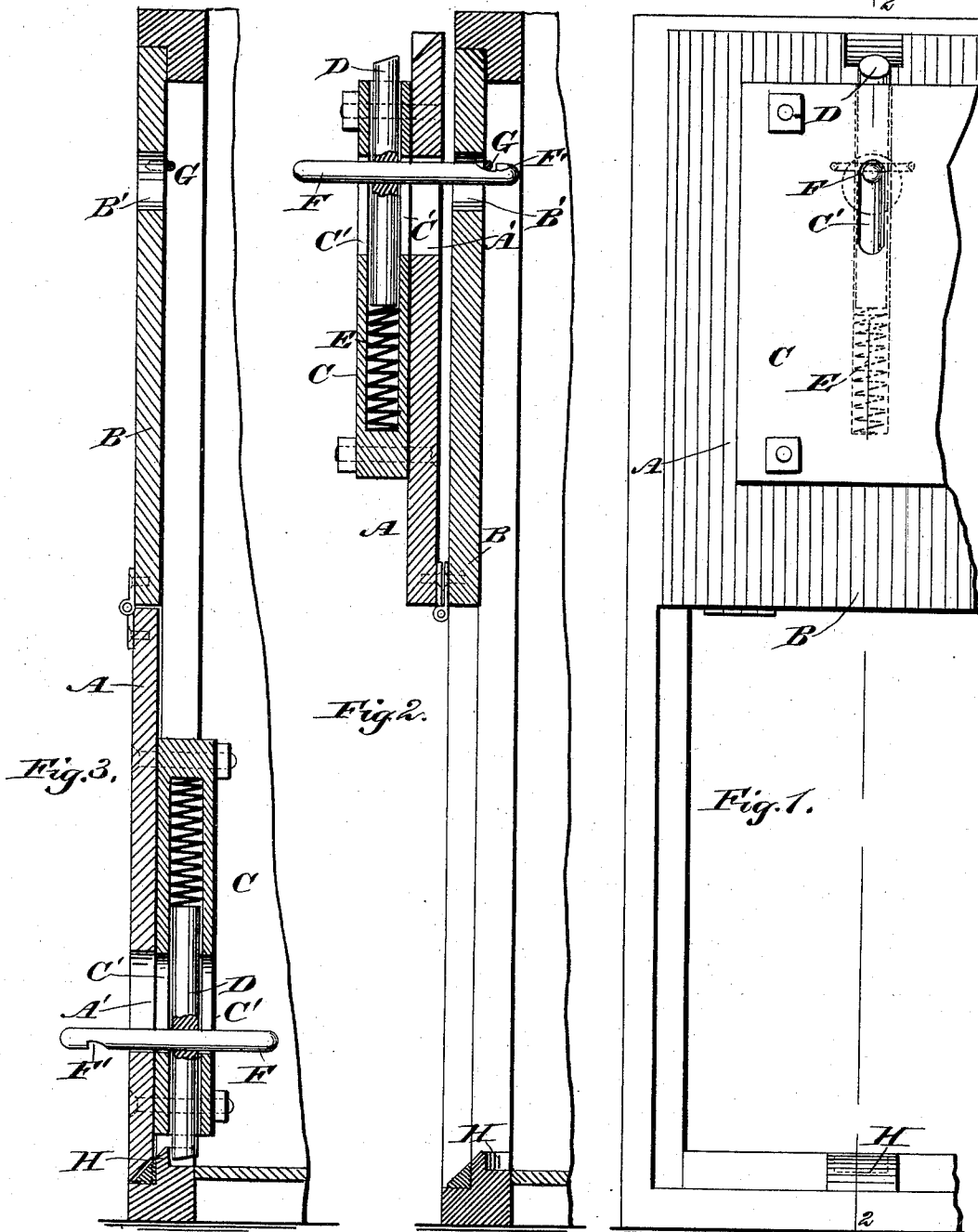


(No Model.)

A. & F. E. RICHARDSON.
LATCH.

No. 476,070.

Patented May 31, 1892.



WITNESSES:
H. M. Arde,
C. Sedgwick

INVENTORS.
A. Richardson
BY *F. E. Richardson*
Munn & Co
ATTORNEYS

UNITED STATES PATENT OFFICE.

AARON RICHARDSON, OF UNIONTOWN, AND FREDERICK E. RICHARDSON,
OF MANCHESTER, IOWA; SAID AARON RICHARDSON ASSIGNOR TO SAID
FREDERICK E. RICHARDSON.

LATCH.

SPECIFICATION forming part of Letters Patent No. 476,070, dated May 31, 1892.

Application filed December 12, 1891. Serial No. 414,834. (No model.)

To all whom it may concern:

Be it known that we, AARON RICHARDSON, of Uniontown, and FREDERICK E. RICHARDSON, of Manchester, in the county of Delaware and State of Iowa, have invented a new and Improved Latch, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved latch which is simple and durable in construction, easily attached to all kinds of doors, and arranged to conveniently open the door from one side and to lock the door in an open or closed position.

The invention consists of certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front view of the improvement as applied and showing the door in a locked open position. Fig. 2 is a transverse section of the same on the line 2 2 of Fig. 1; and Fig. 3 is a similar view of the same, showing the door closed.

The door A, on which the latch is applied, is pivoted or hinged in the usual manner to the door-casing B, and on the door A is fastened by suitable means the latch-casing C, containing a bolt D, fitted to slide in suitable guideways in the said latch-casing. The inner end of the bolt D is pressed down by a spring E, so as to hold the said bolt in an outermost position. In the bolt D is secured a transversely-extending pin forming a handle F, the said handle projecting through guideways C' in the latch-casing C, and also through a corresponding slot A', formed in the door A. The handle F is made of sufficient length to project a suitable distance beyond the casing and the door to be taken hold of, either at the front of the door or at the rear of the casing, as described.

One end of the handle F is formed with a notch F', adapted to engage a keeper G, fixed to the door-casing B at the inside of an aper-

ture B', through which can pass the end of the handle, as is plainly illustrated in Figs. 1 and 2. The outer end of the bolt D is adapted to engage the usual keeper H, secured in the door-casing.

It will be seen that the spring E presses the bolt D in an outermost position, the said bolt being guided by the handle F, fitted to slide in the guideways C'. Now when the door is closed, as illustrated in Fig. 3, the bolt D engages the keeper H, thus locking the door A and holding the same closed. When it is desired to open the door, the operator takes hold of the outer end of the handle F and presses upward, so as to lift the bolt D out of engagement with the keeper H, at the same time pressing the spring E. As soon as the bolt D is disengaged the operator pulls outward on the handle, thus swinging the door A open. By swinging the door back into the position shown in Figs. 1 and 2 the notched end of the handle F passes through the opening B' in the door-casing B and engages with its notch F' the fixed keeper G, so that the door is locked in an open position, it being understood that the spring E permits the handle F to engage with its notch F' the said keeper G and hold the handle in contact with the keeper to prevent accidental closing of the door. Thus the handle serves to move the bolt and door and also to fasten the latter in an open position.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

In a latch, the combination, with a casing, of a spring-pressed bolt fitted to slide therein, a handle attached to the said bolt and extending through guideways in the said casing to one side of the door, and two fixed keepers held on the door-casing and of which one is adapted to be engaged by the said bolt and the other by the said handle, substantially as shown and described.

AARON RICHARDSON.

FREDERICK E. RICHARDSON.

Witnesses:

B. P. MILLER,

H. F. MCBRIDE.