

W. E. Sparks,

Latch.

No. 104,370.

Patented June 14, 1870.

fig. 1.

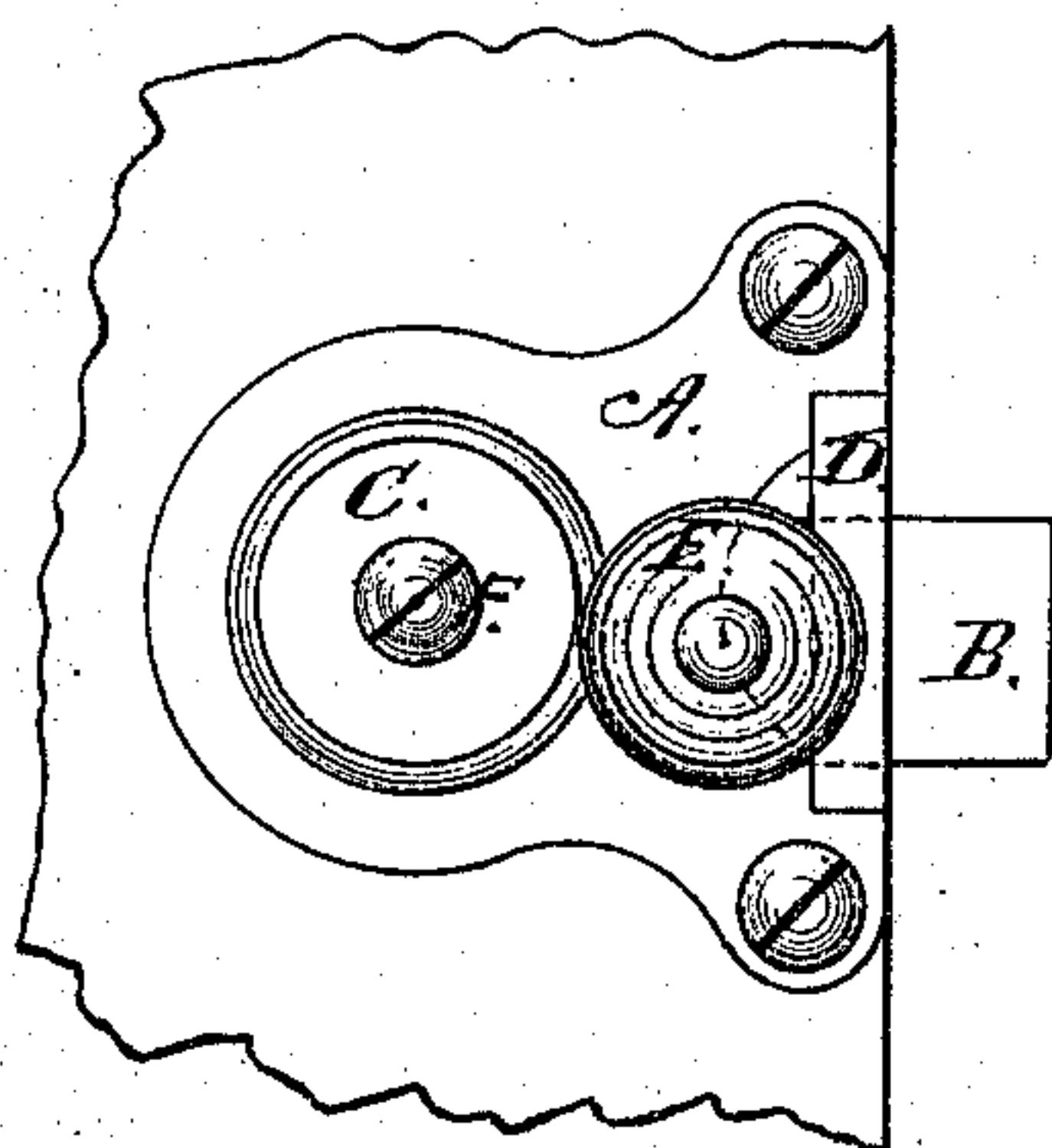


fig. 2^a



Fig. 2.

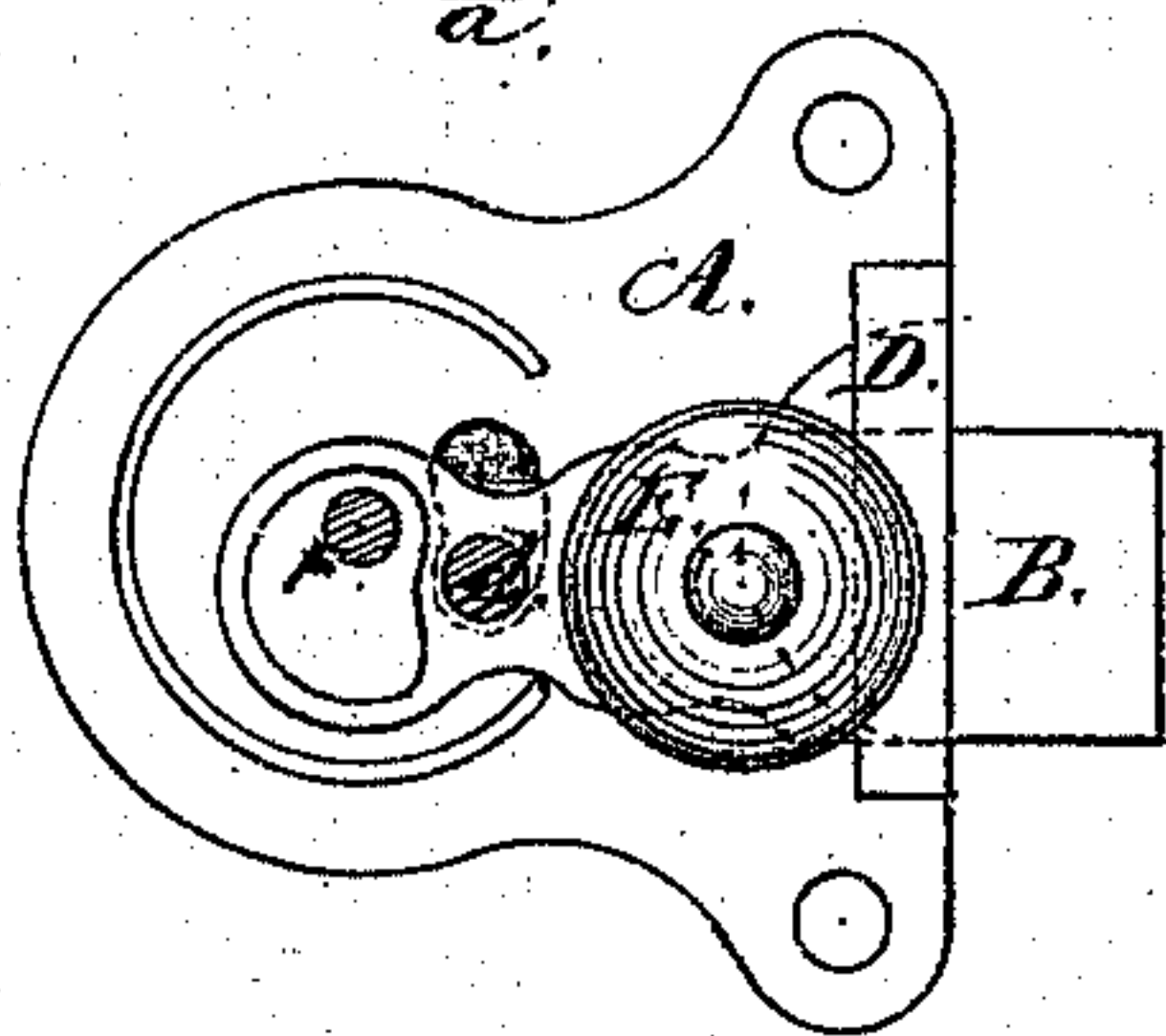
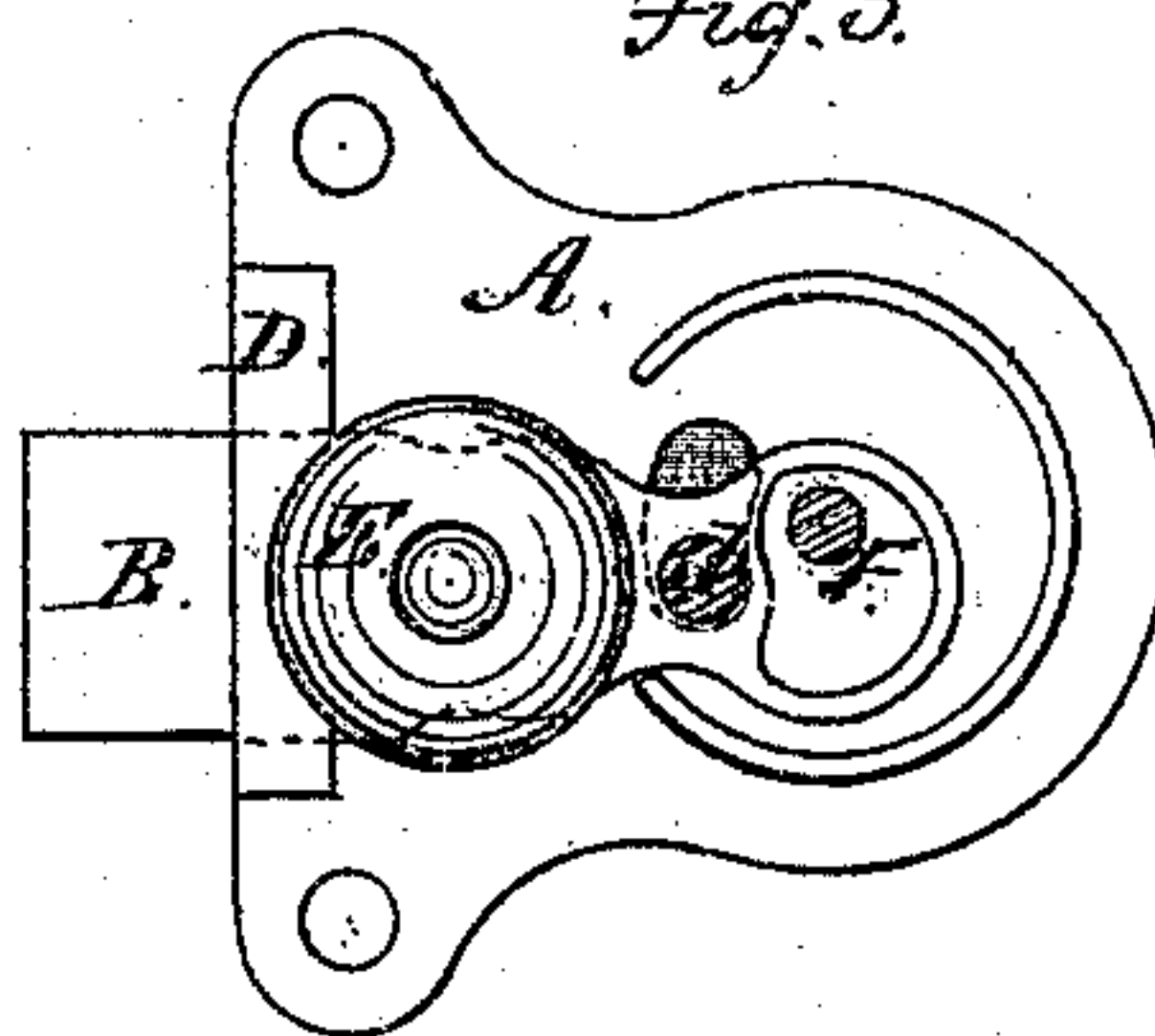


fig. 3.



Witnesses
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WILLIAM E. SPARKS, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO SARGENT & CO., OF SAME PLACE.

Letters Patent No. 104,370, dated June 14, 1870.

IMPROVEMENT IN LATCHES FOR CUPBOARDS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM E. SPARKS, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Cupboard-Latch; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same; and which said drawings constitute part of this specification, and represent in—

Figure 1, a front view of the latch, as attached to the door;

Figure 2, a side view of the latch, as arranged for a left-hand door, with the pivot-plate removed;

Figure 3, the same, for a right-hand door; and

Figure 2^a, a side view of the pivot plate, detached.

This invention relates to an improvement in that class of latches known to the trade as cupboard-latches, that is, small latches arranged so as to be operated upon but one side of the door, the object of the invention being such a construction that the same latch may be adapted to either a right or left-hand door, and it consists in the arrangement of a pivot upon which the latch is hung eccentrically upon a covering-plate, so that, by turning the said plate up or down, as the case may be, the latch is set in one position for a right-hand door, and in the other position for a left-hand door.

A is the latch-plate.

B the latch, arranged upon the plate so as to extend back beneath a covering-plate, C.

The said covering-plate C is provided with a stud,

a, see fig. 2^a, to set into a perforation, *d*, in the latch, (see fig. 3,) and so that the latch will turn freely on the stud *a* as a pivot.

The plate A is provided with a guard, D, and the latch with a knob, E, in the usual manner.

The plate C is set over the latch on the plate A, and a screw, F, passed through its center, secures the plate C in position, and, at the same time, aids in securing the latch-plate to the door.

The plate C, set over the latch in the position seen in fig. 2, holds the latch for that door. For the reverse door it is necessary to turn the latch over, the other latch up; then to bring the latch into line, turn the plate C until the pivot is carried over to the reverse position, or as seen in fig. 3.

I prefer the central screw F as a means for holding the plate C, but it may be held in position so as to be prevented from accidentally turning by other devices, as corresponding notches on both plates, A and C.

I do not wish to be understood as broadly claiming a latch made reversible by shifting its bearings from one position to another, as such is not new.

I claim as my invention—

In combination with the latch B and its plate A, the plate C, having a rotary adjustment, so as to set the said latch into either a right or left-hand position, by means of the pivot *a*, fixed upon the said adjustable plate.

WILLIAM E. SPARKS.

Witnesses:

J. H. SHUMWAY,
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