

J. CAPRON.

Door Slide.

No. 103,139.

Patented May 17, 1870.

Fig: 1

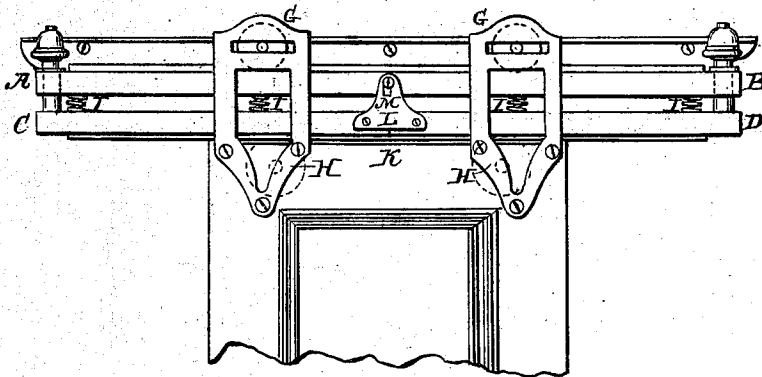
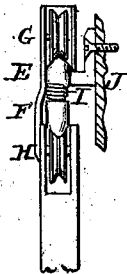


Fig: 2.



Witnesses

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# United States Patent Office.

JACOB CAPRON, OF NEW YORK, N. Y.

Letters Patent No. 103,139, dated May 17, 1870.

## IMPROVEMENT IN SLIDING-DOOR APPARATUS.

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

I, JACOB CAPRON, of the city of New York, in the county and State of New York, have invented certain Improvements in Sliding-door Apparatus, of which the following is the specification.

### *Nature and Objects of the Invention.*

This invention consists in constructing one of a pair of spring ways for door sheaves in two parts, and in uniting said parts by means of a slotted plate, for the purpose of securing greater pliability in the operation of the ways.

### *Description of the Accompanying Drawings.*

Figure 1 is a side elevation of the upper part of a door and of my apparatus above it.

Figure 2 is a section of the same.

### *General Description.*

A B, fig. 1, is the upper way, and C D, fig. 1, is the lower way, constructed of some strong metal, such as brass or iron, and having a sharp ridge or similar projection at the top of the upper way and at the bottom of the lower way, as at E and F, fig. 2, upon which the grooves in the pulleys of the sheaves may fit, which pulleys are shown at G and G and H and H, fig. 1, and at G and H, fig. 2.

Between the said ways are placed springs, as at I,

I, I, and I, fig. 1, and at I, fig. 2, which are made of strong brass wire or other suitable material, and kept in place by being partly sunk into the ways. The upper way is constructed with a side flange and plate in any of the ordinary methods, to secure the same to the side beam or other support, as at J, fig. 2.

In order to give greater pliability to said lower way, it is parted in the middle, as at K, fig. 1, the two ends being held in place by the plate L, which is made free to move up or down with the way by means of the slot M.

The operation of this apparatus is evident.

When the door is pushed the springs keep the ways tight against the sheaves, and prevent all noise and tendency of the sheaves to get jumped from the ways.

Besides its application to doors, I propose to use said apparatus for shutters, sashes, gates, and all other like constructions to which its application may be desirable.

### *Claim.*

I claim the divided way C D, when combined with way A B and slotted plate L, substantially as described, for the purpose set forth.

Witnesses:

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