J. ALISTER.

CAR-DOOR FASTENING.

No. 174,613. Patented March 14, 1876.

Fig. 1.

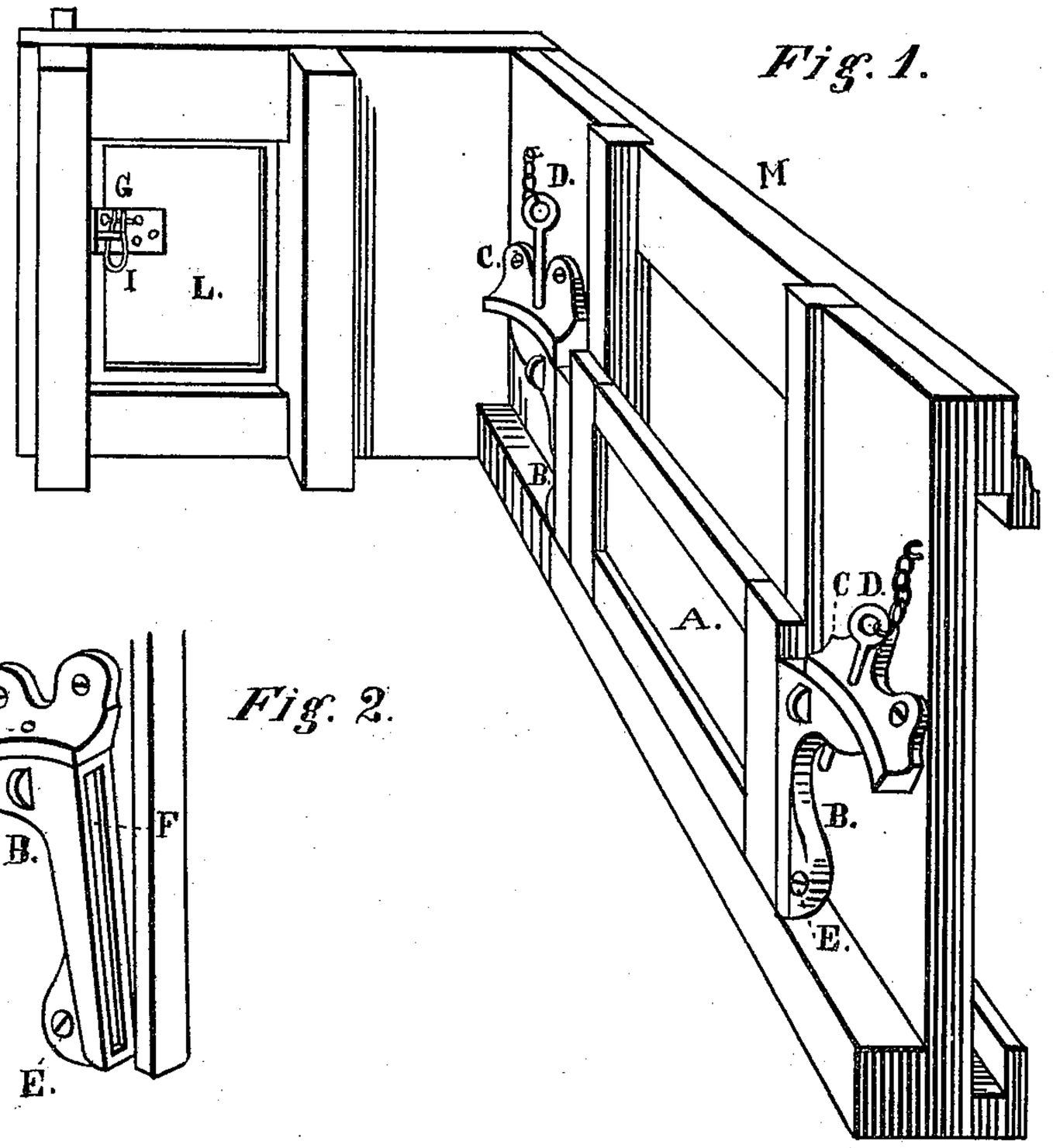

Fig. 2.

WITNESSES:

W. B. Smith

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JAMES ALISTER, OF MILWAUKEE, WISCONSIN.

IMPROVEMENT IN CAR-DOOR FASTENINGS.

Specification forming part of Letters Patent No. **174,613,** dated March 14, 1876; application filed May 13, 1875.

To all whom it may concern:

Be it known that I, JAMES ALISTER, of Milwaukee, in the county of Milwaukee, in the State of Wisconsin, have invented certain Improvements in Car-Door Fasteners, of which the following is a specification:

My invention is a car-door fastener for keeping the door closed, for keeping wheat and other articles in the car, and is arranged so that the door can be opened and closed without injury to the same. The door slides up to be opened, and the grooved side pieces which hold it in place swing back and relieve it.

Figure 1 is a view of the side and end doors, both closed. Fig. 2 is a view of one of the grooved side pieces to the wheat-door; Fig. 3, a view of the outside door, which closes up the whole door when the wheat-door closes the lower part of same.

A is the door for keeping wheat and other grain in the car; B B, the swinging side pieces grooved to receive the sides of the door; C C, the head pieces secured to the car above the side pieces B; D D, pins, which pass through the head pieces C, and enter the tops of side pieces B, which hold the side pieces closed; E E, bolts through the lower part of side pieces B into the car, and on which the side pieces B swing; F, grooves in the side pieces B, which the edges of the door A enter, and when the door is shoved down the bottom part of same strikes on the bottom of side pieces B, and pressing them down and out closes the top of same, and the top of the groove shuts over the top of the edge of the door and holds it in place, and when the door is lifted up the top of its edge will strike against the top of the groove in the side pieces B and push them back, and the door may be lifted out without difficulty.

Whenever it is necessary to open door A, take out pins D and lift on the door, and the ends of the edge of the door will strike against the top of groove F, and the side pieces B will swing back, and the door can be taken out; and to shut the door, slip the edges of it into the grooves F, and push it down, and its lower edge will strike onto the lower end of side pieces B, and tilt the same together; then put in pins D.

I claim as my invention—

A car-door fastener constructed with side pieces B B, top piece C C, and pins D D, in combination with groove F and car M, substantially as described.

JAMES ALISTER.

Witnesses:

A. SCHATTERBERG,

J. B. SMITH.