

(No Model.)

L. T. SHEPHERD.

DOOR.

No. 376,048.

Patented Jan. 3, 1888.

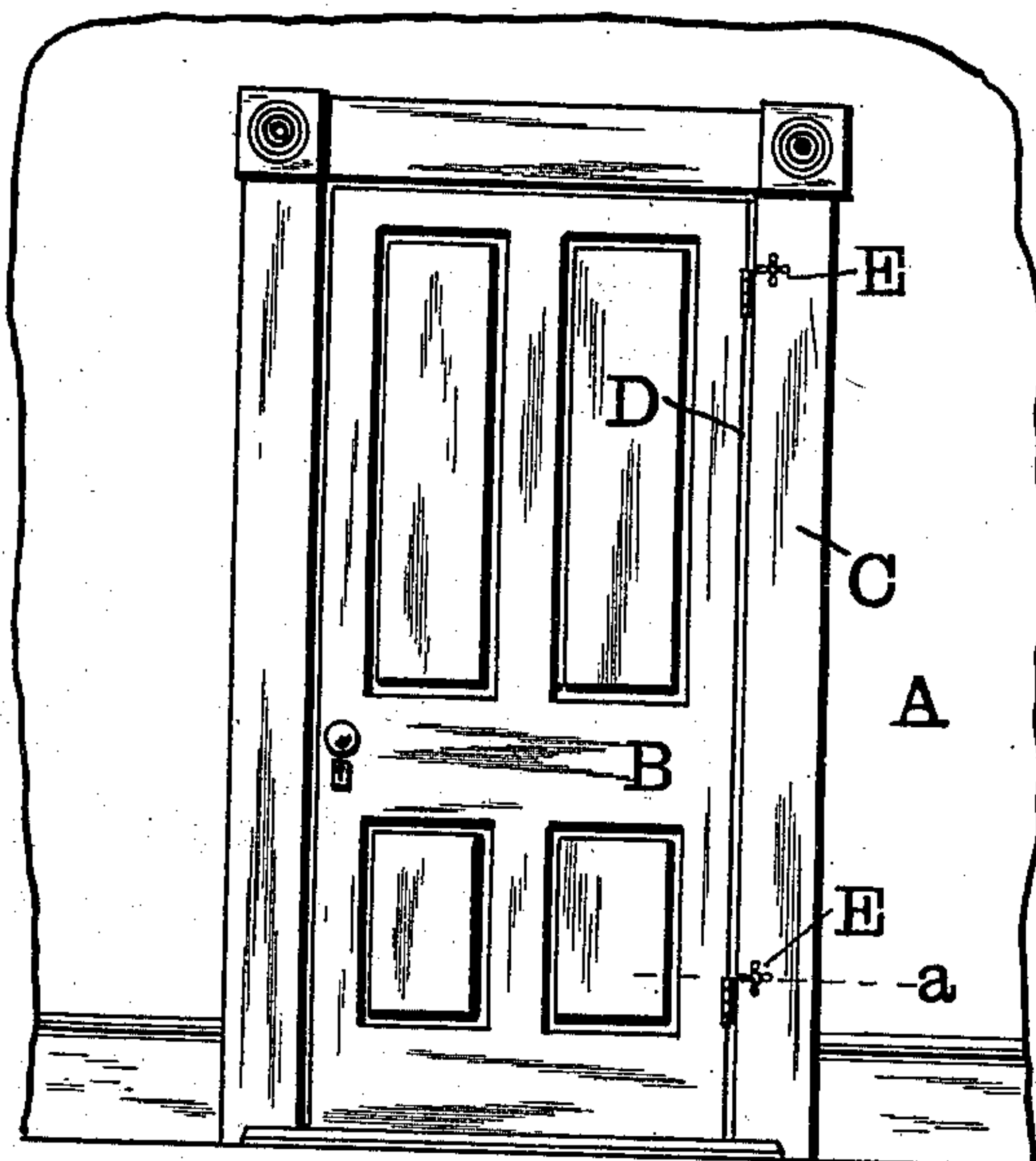


Fig. 1.

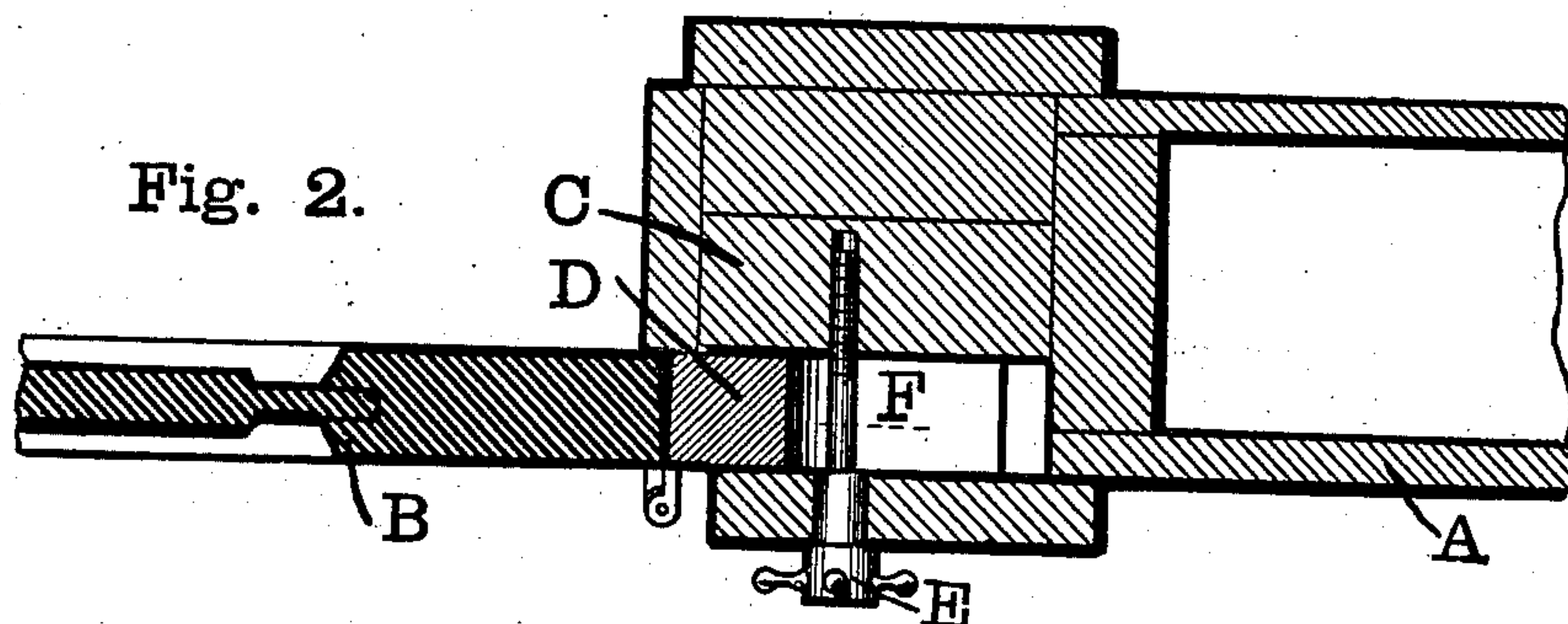


Fig. 2.

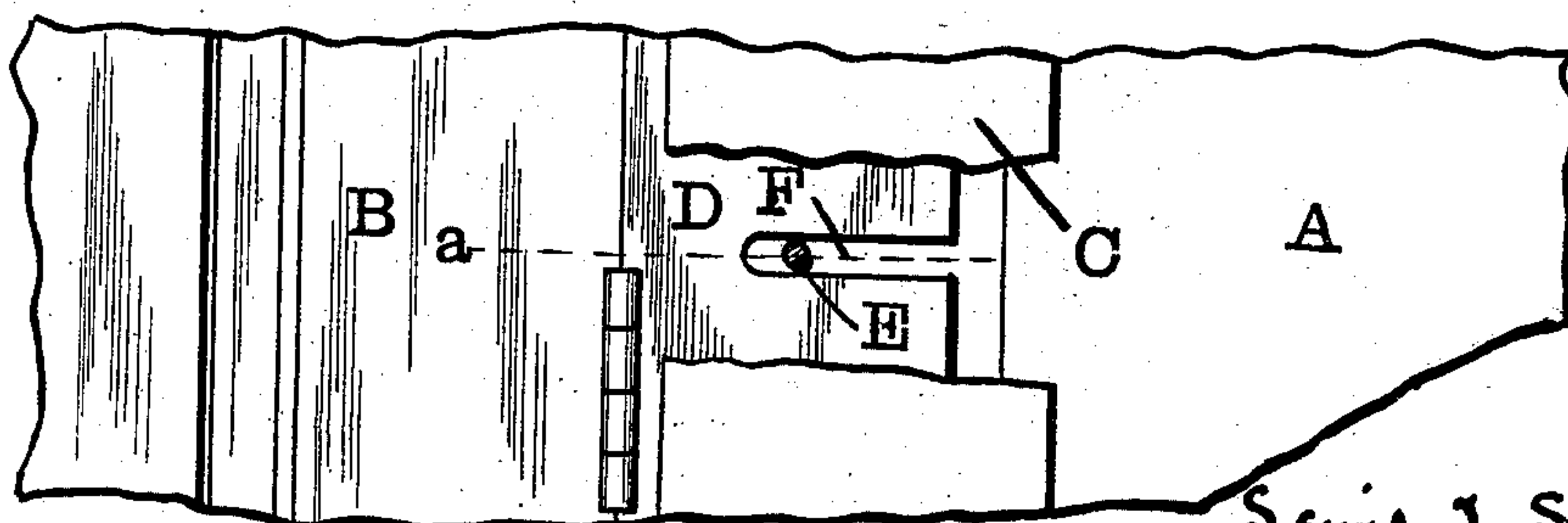


Fig. 3.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

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FOURTHS TO RILEY E. MILLER, WILLIAM M. TAYLOR, HOWARD L.  
YOUNG, AND WILLIAM H. SHEPHERD, ALL OF SAME PLACE.

## DOOR.

SPECIFICATION forming part of Letters Patent No. 376,048, dated January 3, 1888.

Application filed June 13, 1887. Serial No. 241,097. (No model.)

*To all whom it may concern:*

Be it known that I, LEWIS T. SHEPHERD, of College Corner, Butler county, Ohio, have invented certain new and useful Improvements in Doors, of which the following is a specification.

The present invention pertains to doors for houses, &c., and relates particularly to the mode of hanging such doors.

10 The improvements will be readily understood from the following description, taken in connection with the accompanying drawings, in which—

Figure 1 is an elevation of a wall provided with a door whose hangings exemplify my improvements; Fig. 2, an enlarged horizontal section of the same in the plane of the dotted line marked *a*; and Fig. 3, an elevation in the same plane as Fig. 1, but upon an enlarged scale, of portions of the door, frame, &c., at about the point indicated by the dotted line *a* in Fig. 1, a portion being shown as broken out of the finish-board of the casing in order to exhibit more clearly the construction to the rear of it.

25 In the drawings, A indicates a wall provided with a door-opening; B, an ordinary door hinged therein; C, the door-frame, constructed substantially as usual; D, a hinge-piece forming an adjustable part of the door-frame to which the door is hinged, this hinge-piece lying against the face of the appropriate door-post of the door-frame and being covered by the usual finish-board of the door-frame, the hinge-piece thus really fitting in a groove or slot formed between said door-post and finish-board; E, strong screws, fitted, preferably, with handles, these screws engaging slots in the hinge-piece, and also engaging the door-post and finish-board of the door-frame, and serving as a means by which the hinge-piece is firmly clamped by the finish-board to the door-post, so as to form, normally, a rigid part thereof; and F, the slots in the hinge-piece engaged by the screws E, these slots being preferably open at that edge of the hinge-piece farthest from the door.

Viewed in its general aspect, the door is

hinged to the door-frame in the usual manner and operates in the usual manner, the hinge-piece serving to form the usual jamb or rabbet for the hinged edge of the door. The hinge-piece is held rigidly in its proper position by the finish-board and the screws E, and these screws are preferably provided with handles outside the finish-board of the door-frame, whereby the screws may be at any time tightened or slackened. The arrangement will be fully understood from Fig. 2. By slackening the screws E the hinge-piece D is free to be adjusted farther back into its slot or farther out of the slot; or it may be pulled entirely from the slot. The door and the hinge-piece are united by the usual hinges.

The door fits the opening, as usual, and nothing unusual is apparent about the arrangement except the screws E. If the door shrinks and becomes opened at the lock-jamb, the defect can be at once remedied by loosening the screws E and by pushing the entire door toward the lock-jamb until the fit at the lock-jamb is proper, after which the screws are tightened, leaving the door in proper fitting and proper working condition.

If the frame shrinks or the door swells, the door and hinge strip may be moved away from the lock-jamb. If the door settles so as to open on the threshold-strip, the door may be raised and secured in its new and proper position. If the floor settles, the door may be lowered. A very efficient and convenient means is thus provided for adapting the door to its opening under these changing conditions found so annoying in most all climates and with most all kinds of wood-work. Convenient means also become provided by which the door may be readily removed if it be desired to substitute curtains or screen-doors in the summer-time. In case of fire the doors may be quickly removed and saved from the general destruction. The arrangement causes no disfigurement of the wood-work. The handles upon the screws E, where handles are used, may be of handsomely-plated metal, or of brass or other metal to correspond with the other hardware of the door; and these handles may, if desired,

be surrounded against the finish-board by washers or rosettes of as ornate a character as fancy may dictate.

I claim as my invention--

5 The combination, substantially as set forth, of a wall provided with a door-opening, a door-post thereat, a finish-board set at a distance therefrom, so as to leave a groove between said post and board, a hinge-piece, D, fitting said  
10 groove and provided with transverse slots F,

a door hinged to said hinge-piece, and screws E, engaging the said finish-board and door-post and passing through said transverse slots, and adapted to serve in clamping said hinge-piece between said post and board.

LEWIS T. SHEPHERD.

Witnesses:

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