

(Model.)

W. P. BRACHMANN.  
Bolt for Double Doors.

No. 232,672.

Patented Sept. 28, 1880.

Fig. 2.

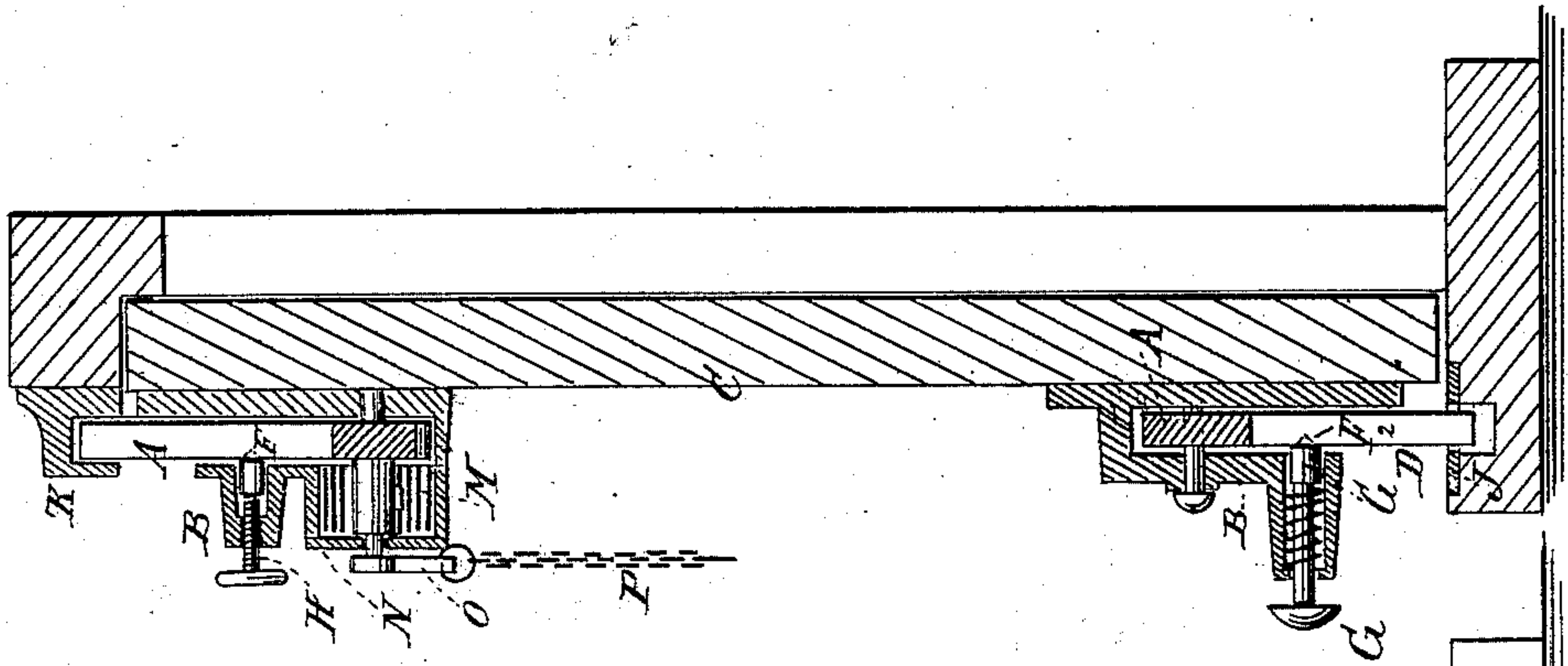
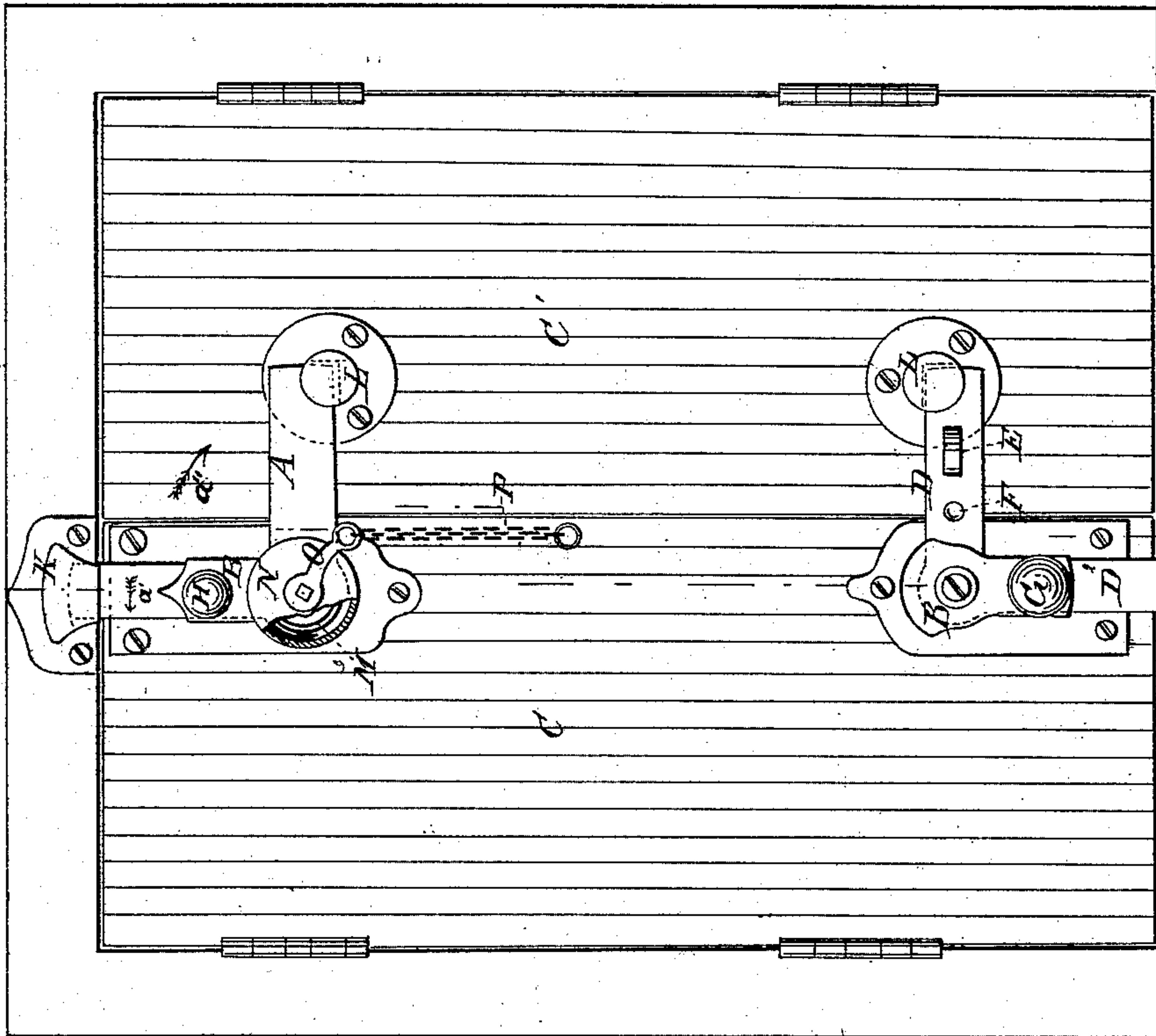


Fig. 1.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM P. BRACHMANN, OF NEWARK, NEW JERSEY.

## BOLT FOR DOUBLE DOORS.

SPECIFICATION forming part of Letters Patent No. 232,672, dated September 28, 1880.

Application filed June 17, 1880. (Model.)

*To all whom it may concern:*

Be it known that I, WILLIAM P. BRACHMANN, of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Angle-Bolt Lock, of which the following is a specification.

The object of my invention is to provide a new and improved angle-bolt lock which is simple in construction and may be used to lock single or double doors, sash, or blinds in an effective manner.

The invention consists of a bolt in the shape of a bell-crank, which bolt is pivoted at its angle, and is provided with a spiral spring acting upon its pivot, and with spring or screw pins by means of which it can be locked in the desired position, the ends of the bolts fitting into appropriate sockets in the sill or jamb, or in the door, sash, or blind.

In the accompanying drawings, Figure 1 is a front elevation of a double door provided with one of my improved angle-bolts at top and bottom. Fig. 2 is a cross-sectional elevation of the same on the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

A bolt, A, in the shape of angle or bell-crank lever is pivoted at its angle, preferably in a suitable casing, B, attached to a door, C, a blind, or sash, as may be desired.

One shank, D', of the bolt A may be provided with a projecting stud or knob, E, and both shanks D' and D<sup>2</sup> are provided with a recess, F, corresponding in position with a spring-pin, G, held in the casing B, in such a manner that when the front of the pin G passes into the recess of the bolt it locks the latter in this position. The spring G may be replaced by a screw-pin, H, acting in a like manner as shown in the upper part of Fig. 1.

A slotted socket, J, is fastened in the sill of the door, or a projecting hook-socket, K, may be attached to the top or sides of the frame of the door, to receive one of the shanks D' or D<sup>2</sup> of bolt A, and suitable sockets L L may be attached to the door C; or, if the angle-

bolts are attached to single doors the bolt may be set back so far that the ends of the shanks fit into sockets resembling the sockets J and K in the jamb or frame of the door.

A spiral spring, M, in a casing, N, at the angle of the bolt, is attached to the pin of the bolt, which spring has the tendency to push the bolt in the direction of the arrow *a'*—that is, to keep it open.

An arm, O, is attached to the pin of the bolt, and is provided with a chain, P, which, when pulled upon, rotates the arm and bolt in the direction of the arrow *a''*, thereby bringing the shanks of the bolt into their sockets, and at the same time winding up the spring, so that when the screw-pin is withdrawn from its socket, the bolt will be thrown out of the sockets to permit of the door or doors being opened.

The within-described angle-bolt may be attached to single or double doors, sash, or blinds.

The advantage of this improved angle-bolt is that it holds two double doors at the same time, can hold but one if desired, or permit both to swing open, whereas it holds a single door at two different points, as both shanks of the bolt pass into sockets.

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

1. The combination, with the angle-bolt A, of the casing B, spiral spring M, and sockets L and K, substantially as herein shown and described, and for the purpose set forth.

2. The combination, with the angle-bolt A, of the casing B, spiral spring M, arm O, and sockets L and K, substantially as herein shown and described, and for the purpose set forth.

3. The combination, with the angle-bolt A, of the spring M, sockets L and K, and the locking-pin H, substantially as herein shown and described, and for the purpose set forth.

WILLIAM PETER BRACHMANN.

Witnesses:

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