

(No Model.)

P. E. CHAPPELL.

CHAIR SEAT.

No. 277,544.

Patented May 15, 1883.

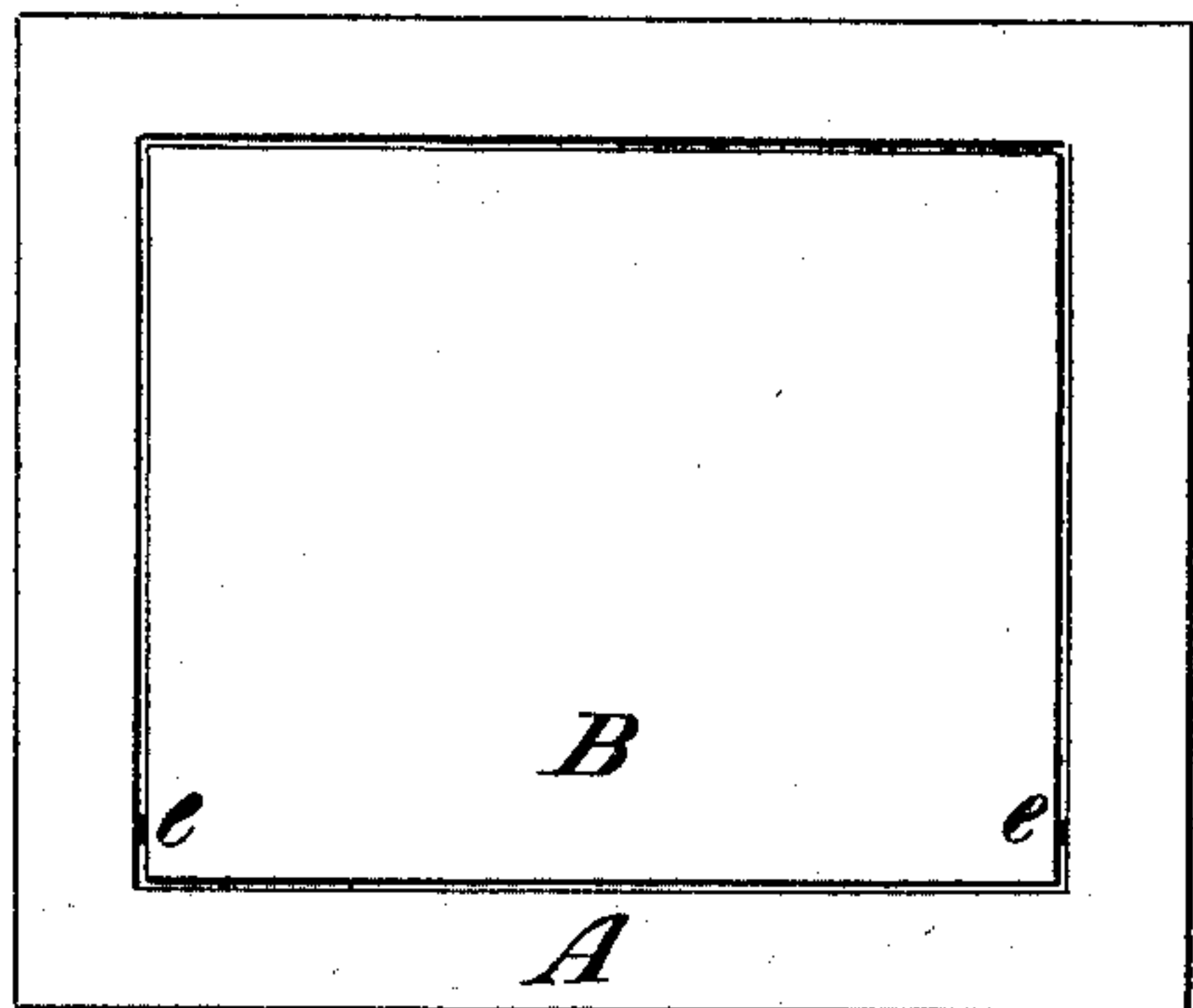


FIG. 1.

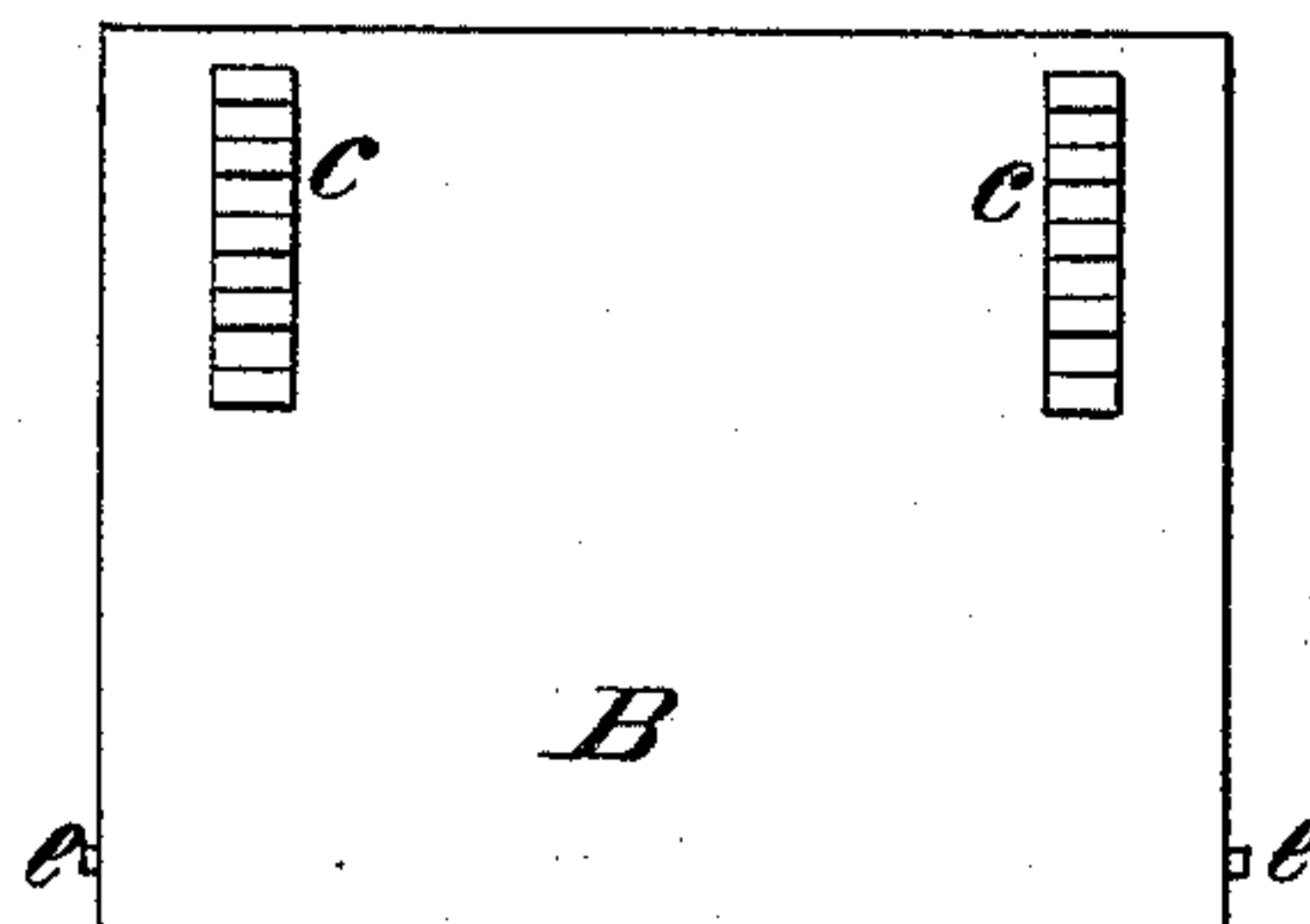


FIG. 2.

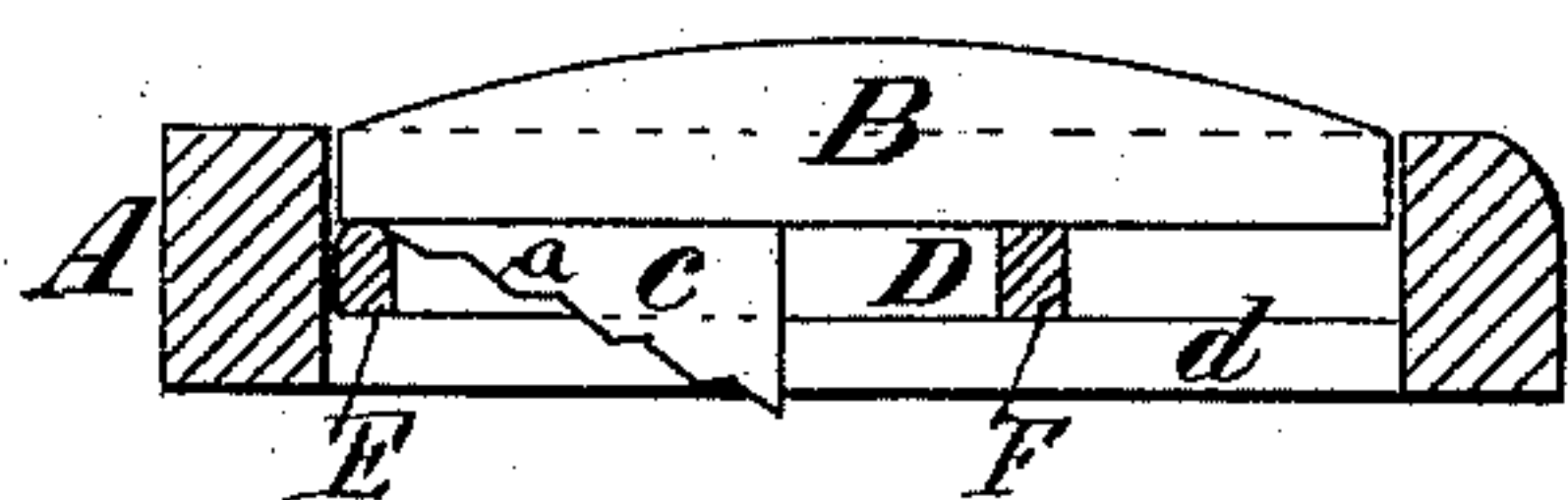


FIG. 3.

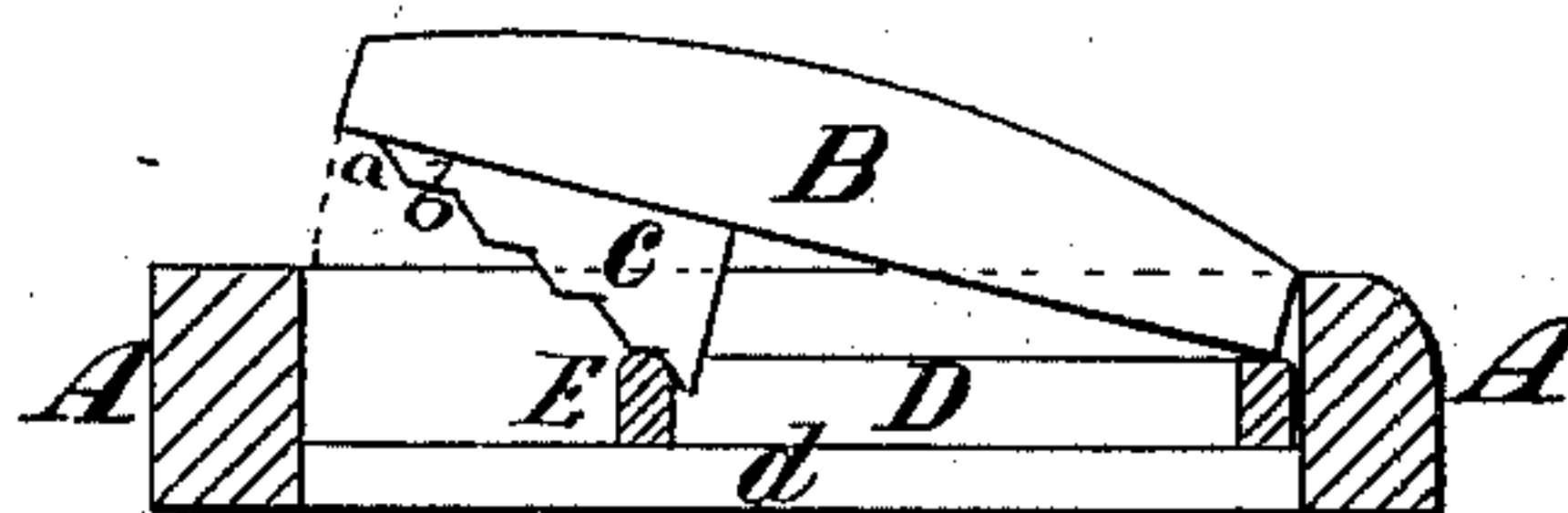


FIG. 4.

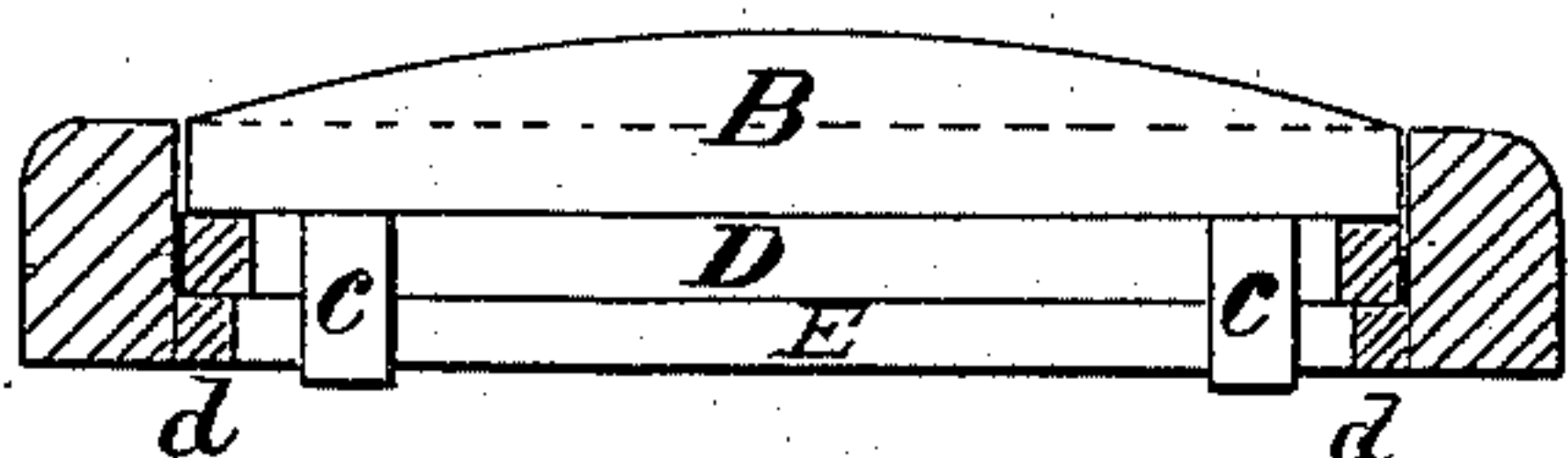


FIG. 5.

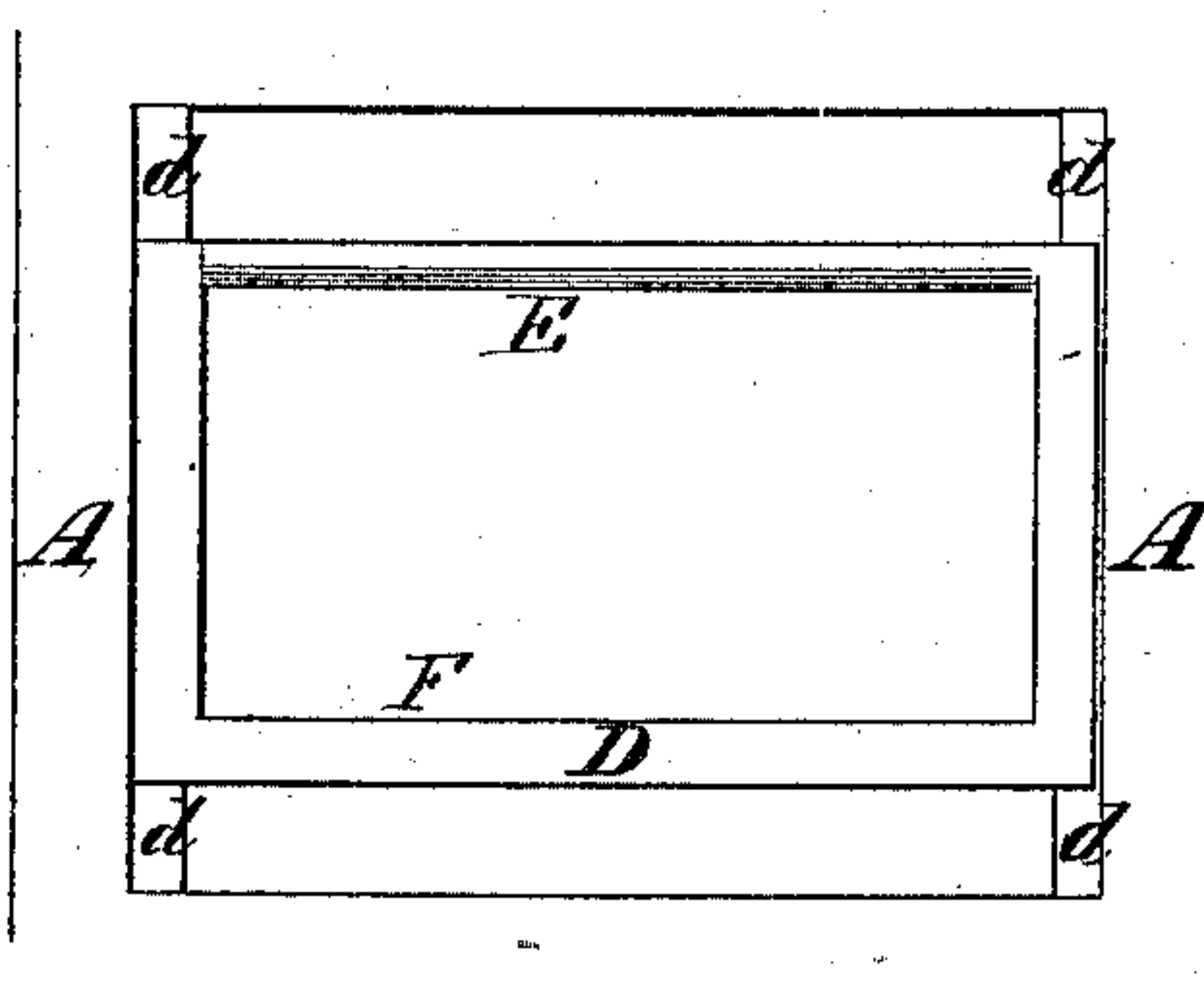


FIG. 6.

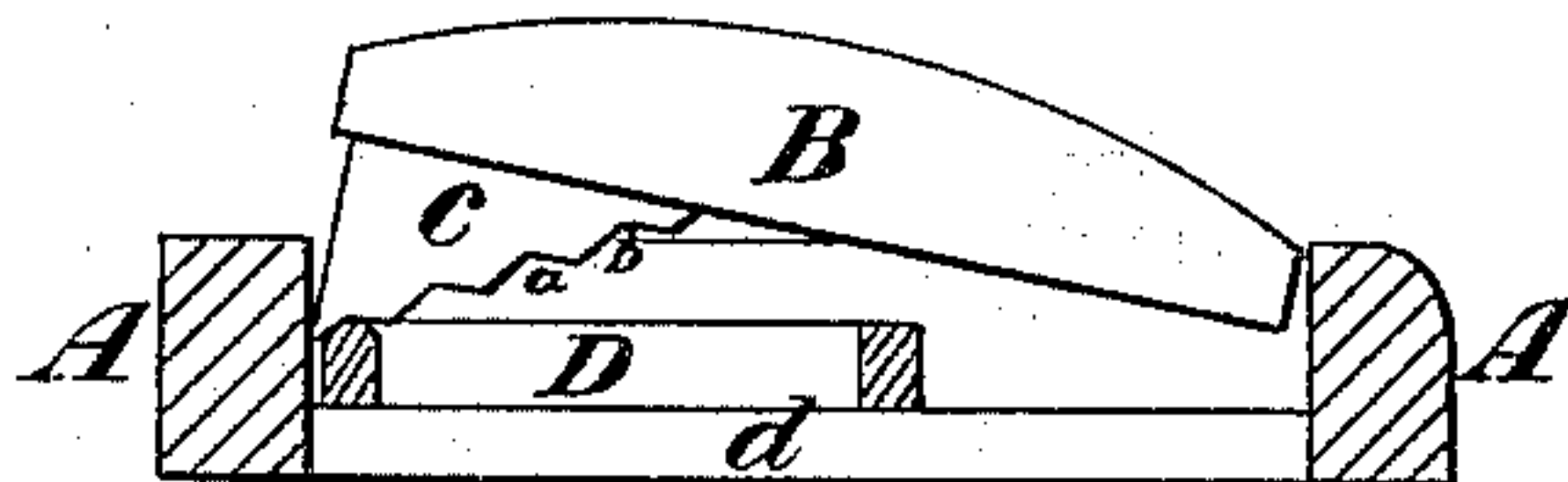


FIG. 7.

Witnesses

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UNITED STATES PATENT OFFICE.

PHILIP E. CHAPPELL, OF BALTIMORE, MARYLAND.

CHAIR-SEAT.

SPECIFICATION forming part of Letters Patent No. 277,544, dated May 15, 1883.

Application filed March 20, 1883. (No model.)

To all whom it may concern:

Be it known that I, PHILIP E. CHAPPELL, a citizen of the United States, residing at Baltimore, Maryland, have invented certain new and useful Improvements in Chair-Seats, of which the following is a specification, reference being had to the accompanying drawings, forming part thereof, in which—

Figure 1 is a top plan view of a chair-seat embodying my improvements. Fig. 2 is a bottom plan view of the seat. Fig. 3 is a section taken from front to rear of the seat with the seat in its lower position. Fig. 4 is a similar view with the seat raised. Fig. 5 is a transverse section, and Fig. 6 is a bottom plan view of the seat-frame with the seat removed.

Like letters of reference refer to the same parts in all the figures.

My invention relates to seats for chairs which are to be used at desks, for sewing-machine operators, piano and organ stools, drivers' seats, and like purposes; and it has for its object to furnish a chair in which the seat may be inclined to any desired degree in order to throw the occupant forward; and to this end it consists in the construction, arrangement, and combination of parts, which will be first fully described, and then particularly pointed out in the claims.

Referring to the drawings by letter, A is the frame of the chair-seat; B, the seat, pivoted at *e e* in said frame, said pivots being at or near the front of the chair. These or any other suitable pivots or hinges may be used. The frame A may be rectangular or of any other suitable outline, and is provided on the interior of its sides with strips *d d*, on which slides a frame, D, having suitable cross-bars, E and F. On the bottom of the seat B are fixed two or more blocks, *c*, triangular in general outline, the bottom consisting of a series of inclines, *a*, separated by lands or horizontal surfaces *b*.

The operation of my device is as follows:

When it is desirable to have a horizontal seat, the parts will be in the position shown in Figs. 3 and 5; but should it be desired to incline the seat forward all that is necessary is to reach under the front rail of the seat-frame and grasp the front rail, F, of sliding frame D and draw it toward the front of the chair. This will cause the rear rail of the frame to pass under the blocks *c* on the seat, the inclines *a* riding up, and the horizontal lands *b* to rest successively on said cross-rail. The seat may thus be raised at the rear to any desired height, giving it any degree of inclination necessary. My devices are simple, effective, and cheap, and may be applied to any kind of chair.

Fig. 7 shows a modification of my invention, in which the wedge-blocks are reversed and the sliding frame pushed instead of pulled to raise the seat.

Having described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, substantially as described, of a chair-seat frame provided with ways, a frame sliding thereon, and a chair-seat pivoted in said frame and carrying a pair of wedge-blocks for engagement with said sliding frame, as set forth.

2. In combination, the seat-frame A, having ways *d*, the frame D, sliding thereon and provided with cross-bars E F, and the seat B, pivoted near its front in the frame and provided with wedge-blocks *c*, as set forth.

3. The combination of frame A, ways *d*, sliding frame D, cross-bars E F, seat and blocks *c*, having inclines *a* and lands *b*, for the purpose set forth.

In testimony whereof I have hereto set my hand.

PHILIP E. CHAPPELL.

Witnesses:

S. BRASHEARS,
GEO. H. PISTEL.