

(No Model.)

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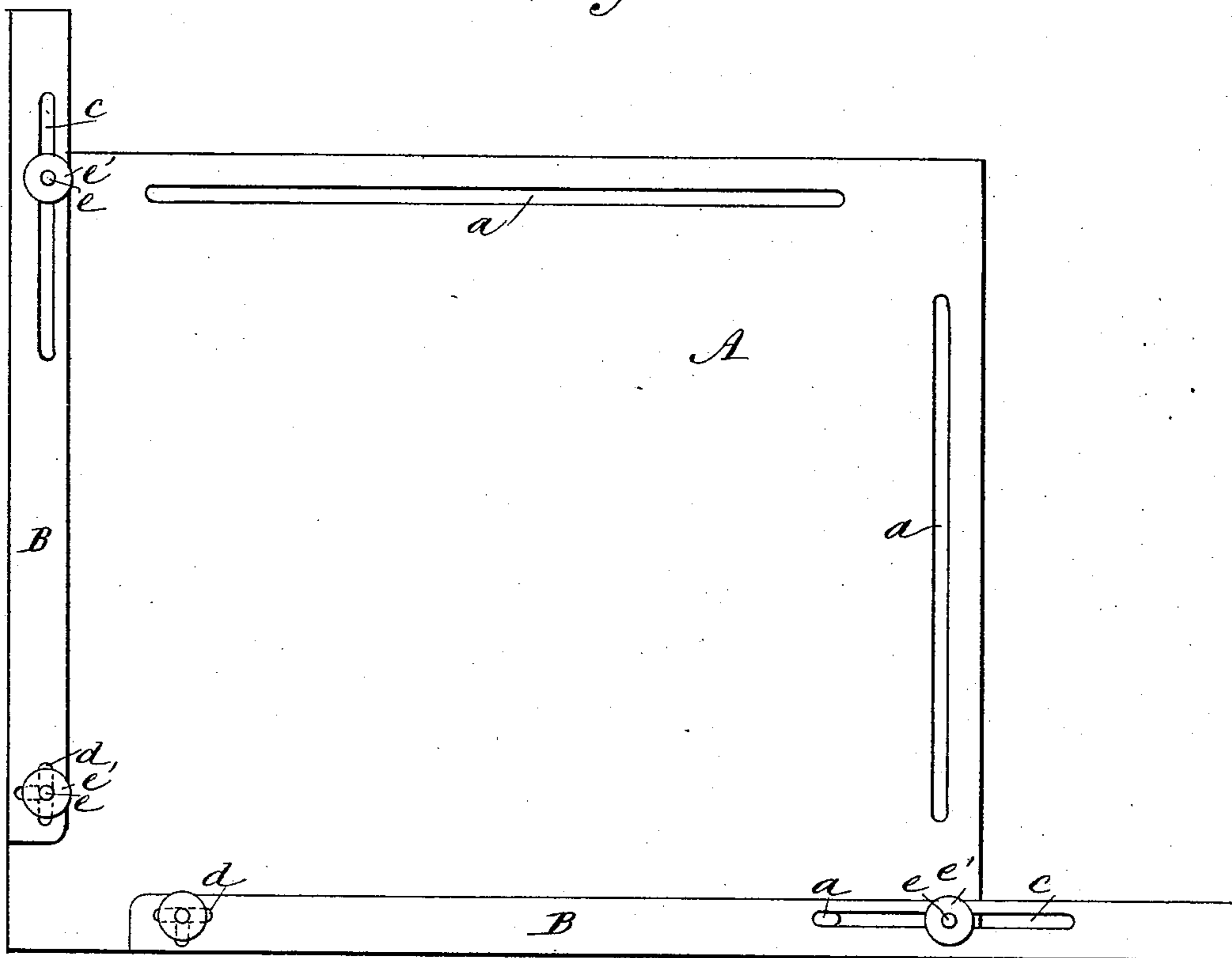
C. M. PODGORSKI.

DRAWING BOARD.

No. 370,409.

Patented Sept. 27, 1887.

Fig. 1



WITNESSES:

C. Neveux
C. Sedgwick

INVENTOR:

C. M. Podgorski
BY *Munn & Co*
ATTORNEYS.

(No Model.)

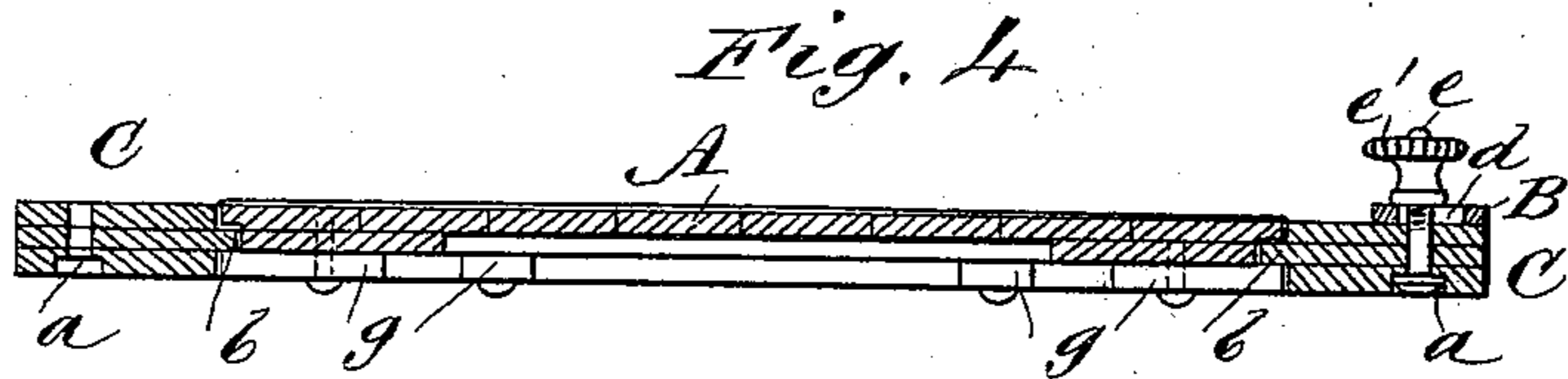
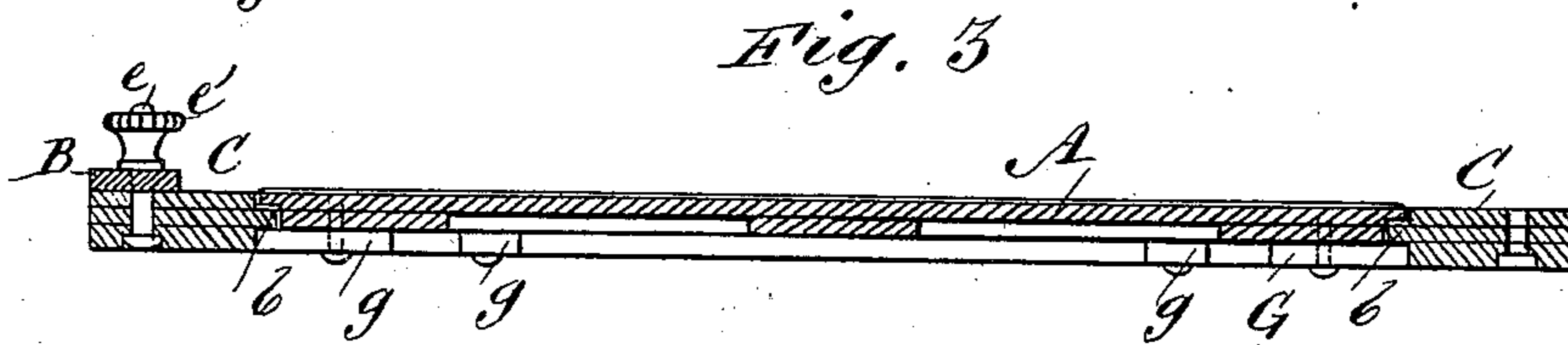
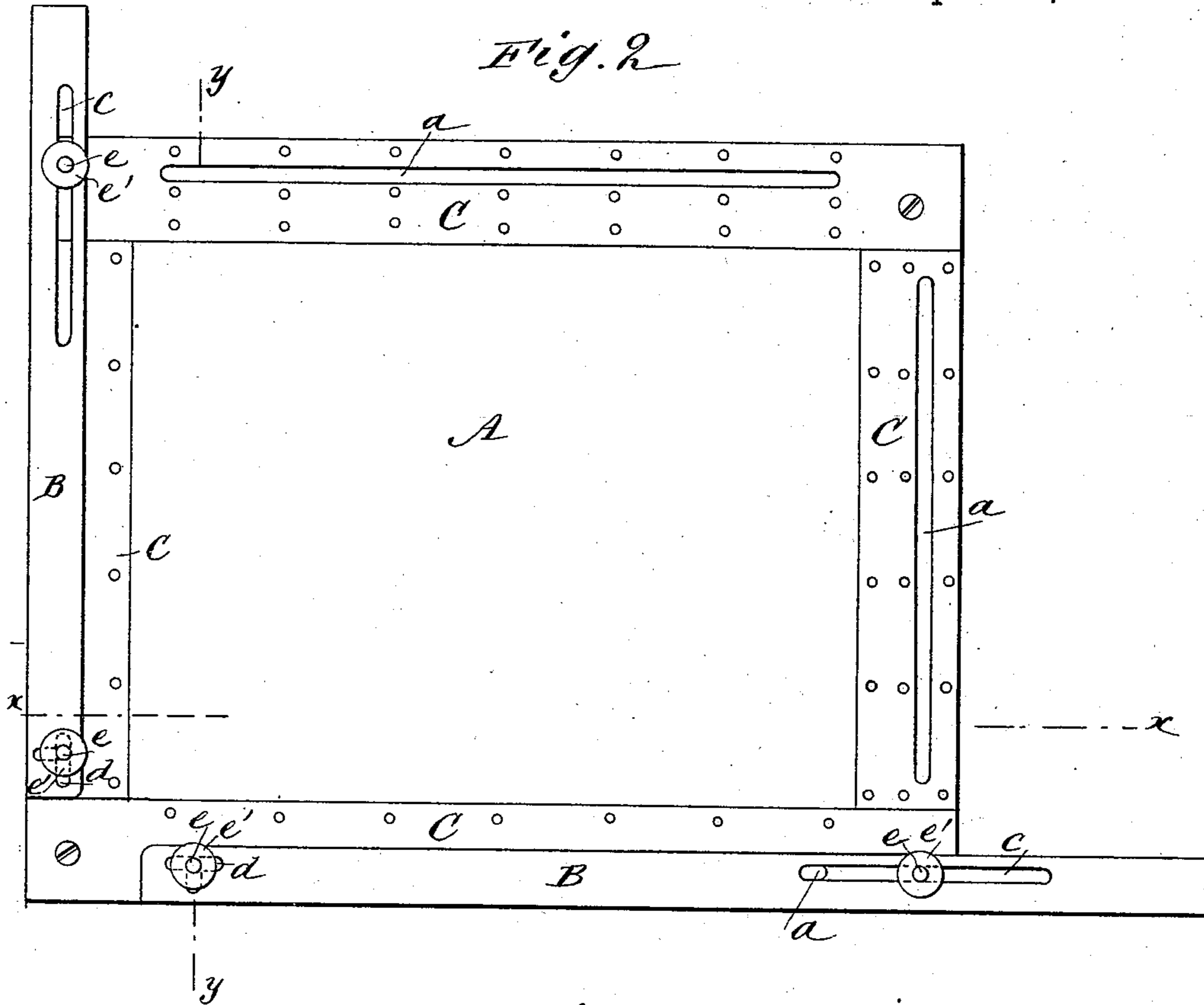
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DRAWING BOARD.

No. 370,409.

Patented Sept. 27, 1887.



WITNESSES:

C. Neveu
W. Sedgwick

INVENTOR:

C. M. Podgorski

BY *Munn & Co*
ATTORNEYS.

(No Model.)

3 Sheets—Sheet 3.

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Fig. 5

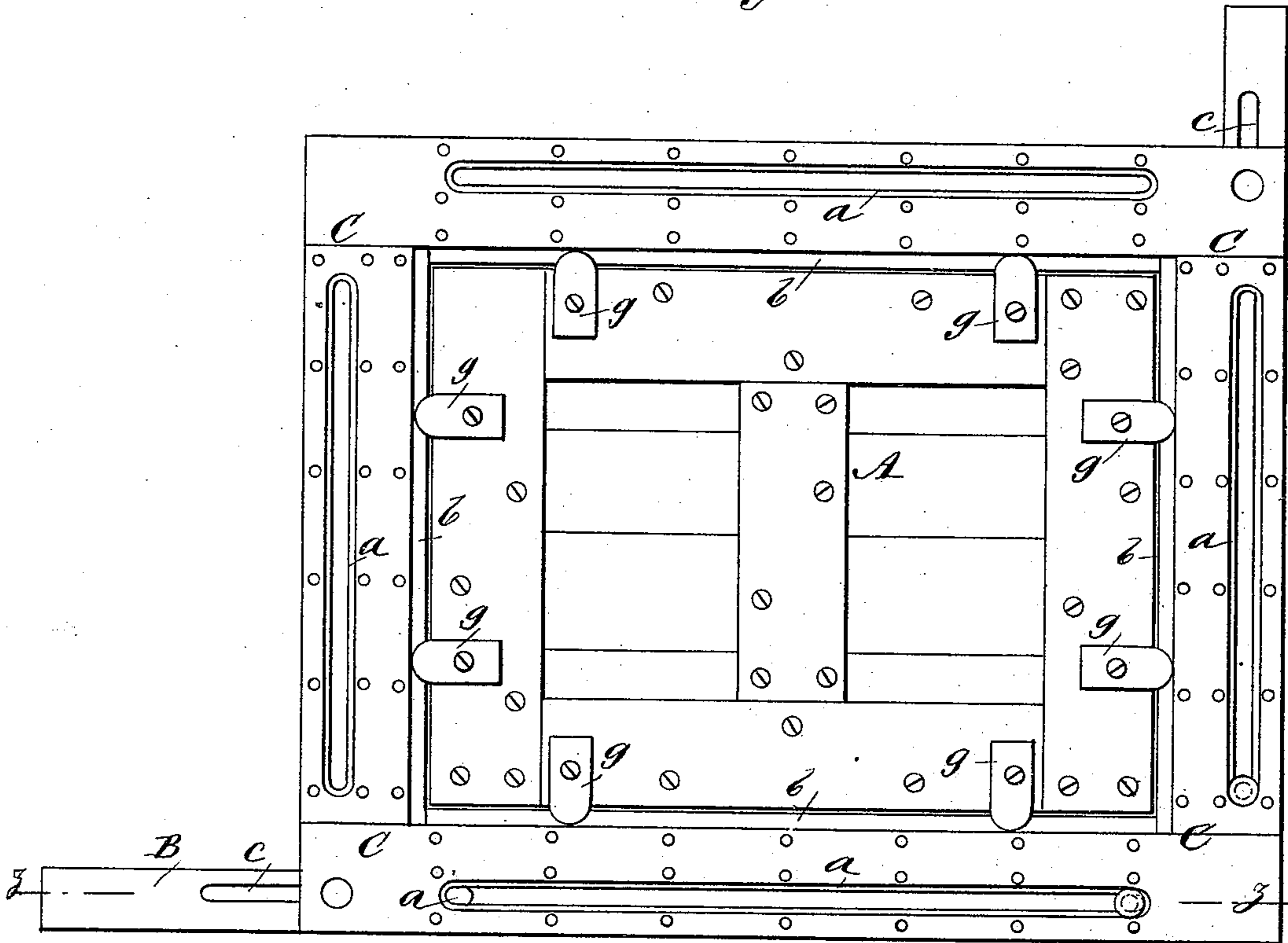
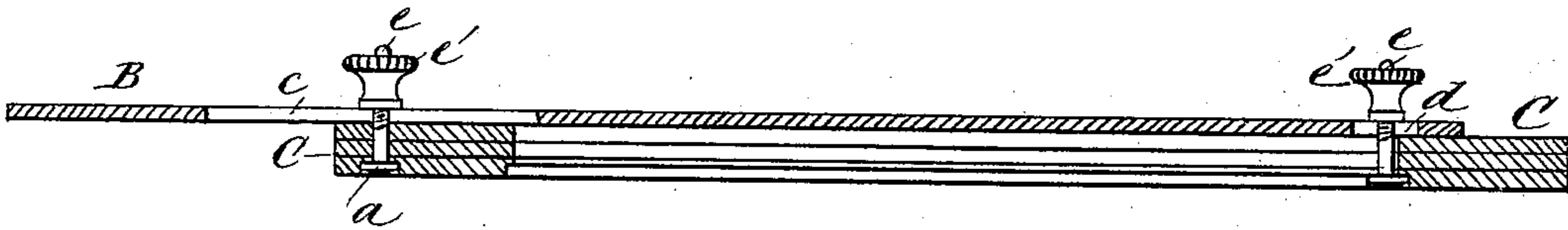


Fig. 6



WITNESSES:

C. Neveux

C. Sedgwick

INVENTOR:

C. M. Podgorski

BY

Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

CASIMIR M. PODGORSKI, OF NORTHAMPTON, MASSACHUSETTS, ASSIGNOR
TO D. W. BRIGGS, OF SAGINAW, MICHIGAN.

DRAWING-BOARD.

SPECIFICATION forming part of Letters Patent No. 370,409, dated September 27, 1887.

Application filed January 20, 1887. Serial No. 224,920. (No model.)

To all whom it may concern:

Be it known that I, CASIMIR M. PODGORSKI, of Northampton, in the county of Hampshire and State of Massachusetts, have invented a new and useful Improvement in Drawing-Boards, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of an ordinary drawing-board having my invention applied thereto. Fig. 2 is a similar view showing a frame to receive the drawing-board and adjustable strips. Fig. 3 is a sectional elevation of the same, taken on the line *x x* of Fig. 2. Fig. 4 is a similar view on line *y y* of Fig. 2. Fig. 5 is a back view of the drawing-board and frame, and Fig. 6 is a sectional view on the line *z z* of Fig. 5.

The invention will first be described in connection with the drawings, and then pointed out in the claims.

A represents a drawing-board, with which is combined two strips, B B, which may be adjusted and used as guiding straight-edges. These strips may be applied directly to the board, as in Fig. 1, or they may be applied to a frame, C, to receive the board A, as shown in the other figures of the drawings. The frame C (and in Fig. 1 the board A) is formed with slots *a a*, running parallel to its outside edges and from one-half to three-fourths of an inch from the edges and extending almost the entire length of each side of the frame and board. Within the frame is formed the lip *b* to support the drawing-board, as shown clearly in the sectional views. The two straight-edged strips B are provided at one end with a slot, *c*, and at the other with a T-slot, *d*, and are attached by means of screws *e* and thumb-nuts *e'* to the lower and left-hand sides of the board A or frame C, or vice versa. These strips form the guides for the T-square, triangle, or the drawing device. In using the frame C and strips B the drawing-board provided with drawing-paper is inserted in the frame and held by the buttons *g*, (shown in Fig. 5,) the buttons being turned to engage with the lip *b* of the frame. With a straight-edge

and a triangle I draw in the middle of the paper a perpendicular and horizontal line crossing each other. The T-square is then adjusted to each line and the strips B B brought close to the outside edge of the head of the T-square and secured firmly by the thumb-nuts. Now, all the parallel and perpendicular lines can be drawn as required from the edges of the strips as the straight-edged guides.

By means of the slot *a* and thumb-screws the strips *b* can be adjusted to any angle and the lines drawn with a T-square or any triangle to any desired angle.

The merits of the above-described device are that it obviates entirely all trouble and difficulties about having the board and T-square perfectly square, and the T-square can be adjusted at any time to any line, no matter if the board and square are out of true or the paper stretched or shrunk under the influence of the weather; and, furthermore, it dispenses with all the systems of swivels applied to the T-square for drawing lines to angles.

Instead of the screws *e* and thumb-nuts *e'*, I may use any other suitable form of clamping device for securing the straight straps to the frame or drawing-board.

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

1. The combination, with a drawing-board, of the strips B, attached to the upper surface of the board within its edges, and constructed to be adjusted upon a pivot at one end, substantially as and for the purposes set forth.

2. The strips B, formed with slots *c d*, in combination with the slots *a*, formed in the supporting frame or board, substantially as described.

3. The strips B, formed with the T-slots *d*, in combination with the drawing board or frame, substantially as described.

4. The strip B, formed with slot *c* and T-slot *d*, in combination with the supporting board or frame formed with slots *a*, substantially as described.

CASIMIR M. PODGORSKI.

Witnesses:

PATRICK O'CONNERS,
CLAYTON S. PARSONS.