

No. 637,228.

Patented Nov. 21, 1899.

J. A. BRANDON.
PICTURE MOUNTING PRESS.

(Application filed Sept. 27, 1898.)

(No Model.)

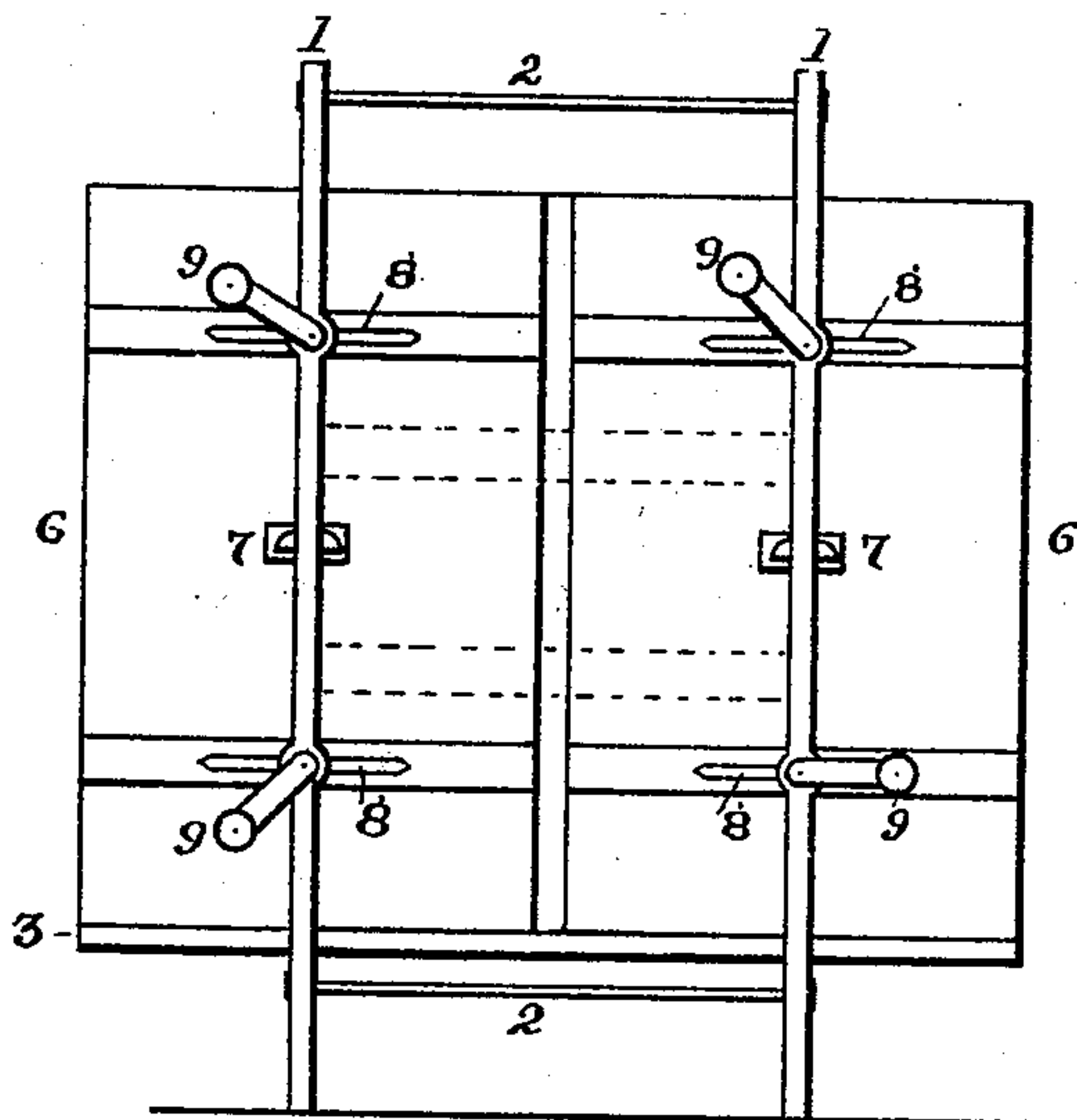


Fig. 1.

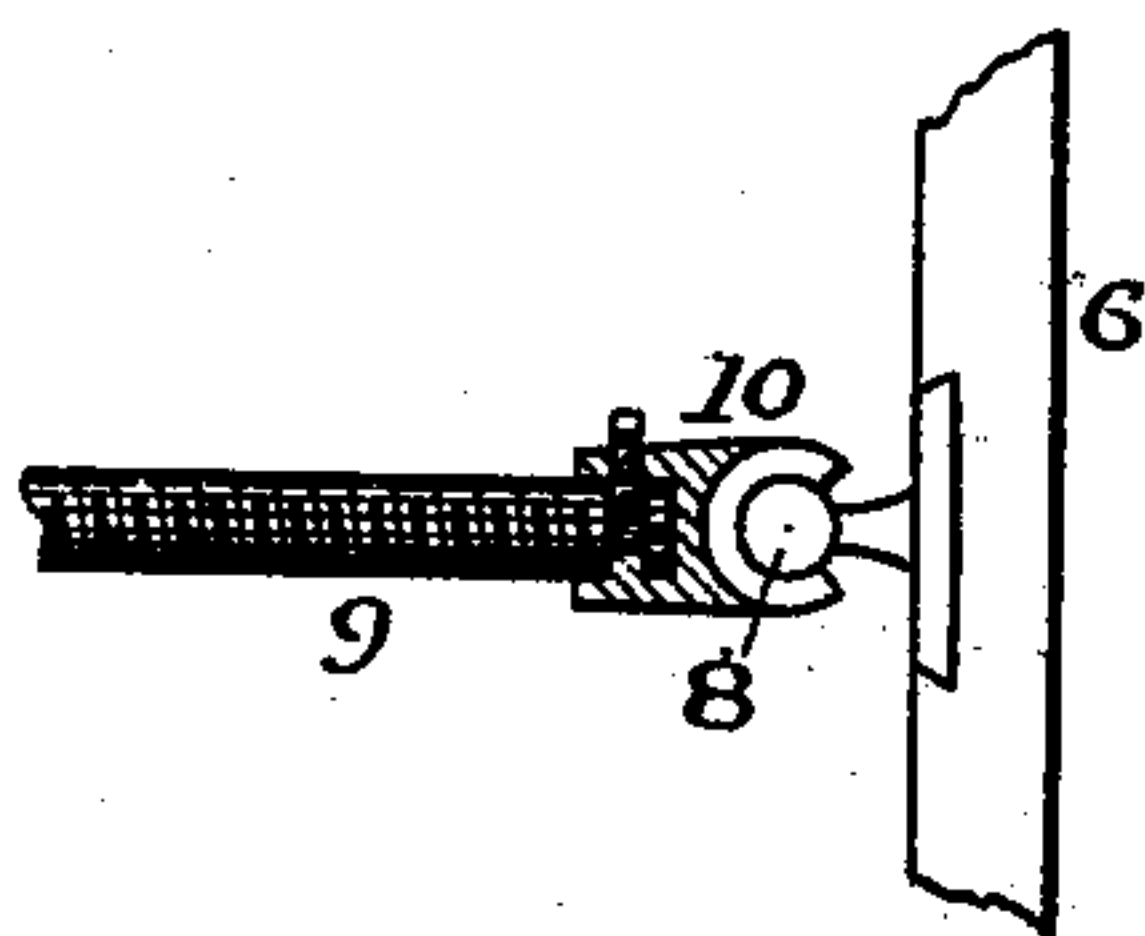


Fig. 3.

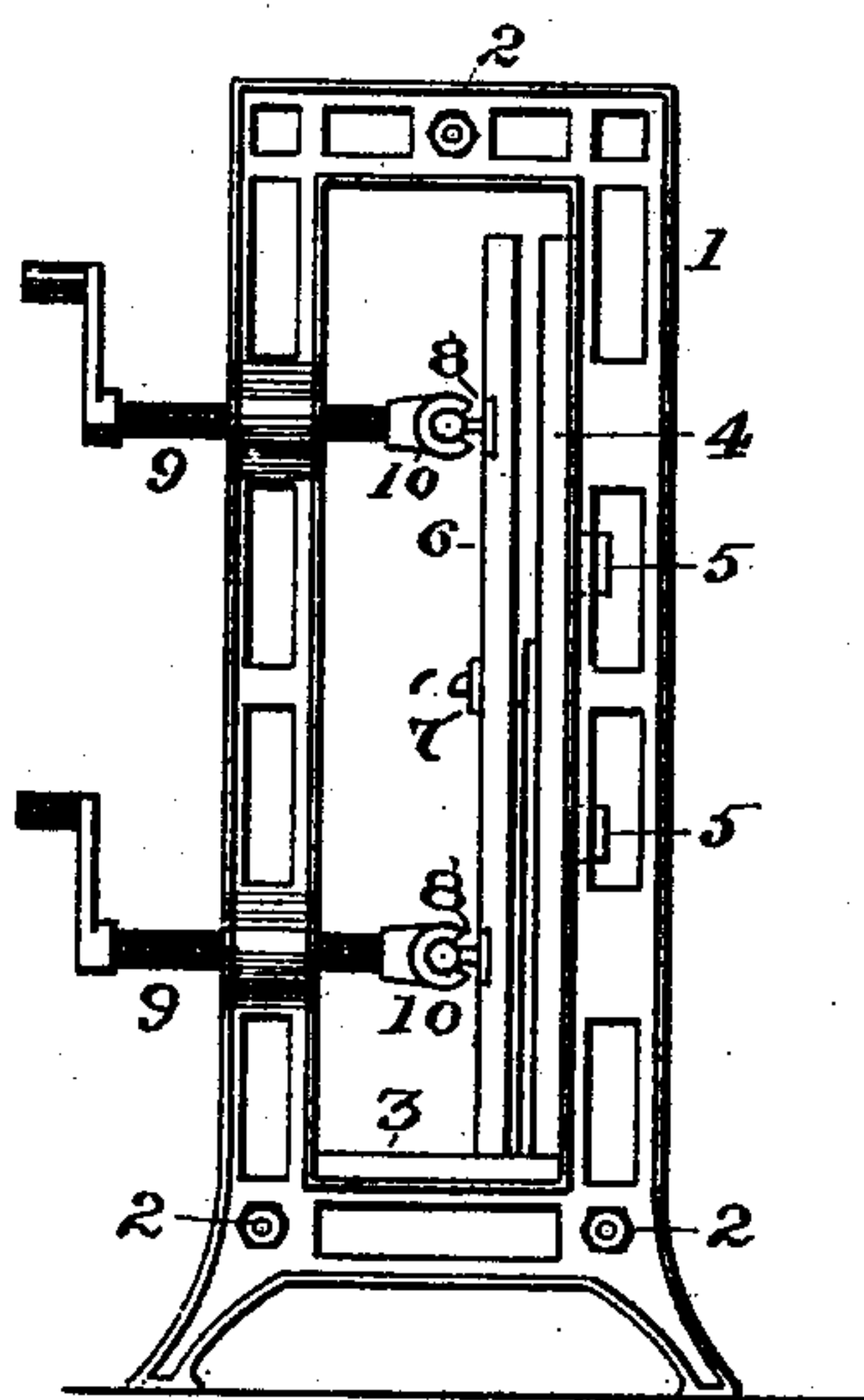


Fig. 2.

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UNITED STATES PATENT OFFICE.

JAMES A. BRANDON, OF AKRON, OHIO.

PICTURE-MOUNTING PRESS.

SPECIFICATION forming part of Letters Patent No. 637,228, dated November 21, 1899.

Application filed September 27, 1898. Serial No. 691,986. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. BRANDON, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented a certain new and useful Improvement in Picture-Mounting Presses, of which the following is a specification.

My invention has relation to improvements in presses for mounting pictures and similar articles of soft, thin, and flexible material upon cardboard or like material to render them more rigid; and it has for its object the construction of a machine by which such pictures may be readily and quickly mounted and smoothly laid upon the backing and by which a mat may be applied and smoothly pressed to avoid wrinkles or warping, and it is especially designed for large pictures.

To the aforesaid objects my invention consists in the peculiar and novel construction, arrangement, and combination of parts hereinafter described, and then specifically pointed out in the claims, reference being had to the accompanying drawings, forming a part of this specification.

In the accompanying drawings, in which similar reference-numerals indicate like parts in the different figures, Figure 1 is a front elevation; Fig. 2, an end elevation, and Fig. 3 an enlarged detail of the sliding union between the press-board and screw.

Referring to the figures, 1 1 are two upright frames of cast metal provided with suitable legs to support them above the floor, standing parallel with each other and united by bolts and nuts 2. In the bottom of the openings there extends between them a board 3, that constitutes a floor or base on which the edge of the picture rests. Extending between the frames 1 1 and projecting beyond them in each direction is a back board 4, to the back of which are attached two cleats 5 5, which fit between the frames with their ends resting against them before the bolts are drawn tight and are compressed endwise when the nuts 2 are tightened, and thus retained firmly in position. In front of the back board 4 are two press-boards 6 6, which together equal the back board in size, and each board is provided with a handle 7, by which it may be removed and replaced, and to each press-board is fastened

a raised rib or fillet 8, supported by a narrow web upon a dovetailed base fitted in the press-board 3 and having the general shape of a railroad-rail, the object and purpose of which is to afford a means for connecting the press-screws hereinafter mentioned to the press-boards and to distribute the pressure along the boards. In the front edge of each frame 1, in parts enlarged for that purpose, are screw-threaded openings, in which are screws 9, provided with handles at their outer ends and having freely mounted and fastened by a set-screw on their inner ends inwardly-curved forks 10, adapted to receive and slide on the rib 8. By this method of connecting the screws with the boards there is a double freedom of movement between the parts—viz., the inwardly-curved forks slide along the fillets laterally and also have a slight vertical rocking motion, so as not to bind on the fillets, thus affording what may be termed a “lateral and vertically-yielding” movement.

In operation a sheet of cardboard or preferably calendered blotting-paper is laid against the back board and the “mount” or card on which the picture is to be placed, with the picture pasted and laid thereon, is placed against it. This is secured by a second sheet of blotting-paper and others successively added until all pictures requiring mounting or as many as the press will accommodate are placed in position. When small pictures are to be mounted, the mounting-cards and pictures are placed side by side until the space is occupied. Against the last a similar sheet of blotting-paper is placed and the press-boards brought in front of and against them and the screws turned up, compressing them tightly, and permitted to remain until the paste has spread thoroughly and become set, which will depend upon the number of pictures to be simultaneously mounted, when the screws are released, the press-boards withdrawn, and the mounted pictures removed.

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

1. An improved picture-mounting press, consisting of two like, vertical oppositely-disposed frames, cross-rods to hold them paral-

lel and means for drawing said frames on said rods, a vertical back held by the compression of said frames on said rods, a floor-board located in openings in, and extending between
5 said frames, two free press-boards arranged to approach and recede from said back independently of each other, horizontal screws with hand-cranks mounted in pairs in vertical alinement in said frame each pair adapted to operate one of said press-boards, and
10 devices permitting a lateral and vertically-yielding movement connecting said screws and press-boards, substantially as shown and described.

15 2. The combination with the vertical frames, the back and press boards, and the screws running in said frame of the raised fillets attached to said press-boards, and the inwardly-curved forks freely fastened and
20 mounted on said screws, and arranged to re-

ceive and slide on said fillets substantially as shown and described.

3. The combination with the frames having vertical openings, and the cross-bolts to retain them vertically parallel, of the floor- 25 board extending between them, the back board having cleats compressed between them, the press-board, the fillets attached thereto, the screws meshing in said frame, and the inwardly-curved forks on said screws to 30 clasp and slide on said fillets, all constructed and arranged, substantially as shown and described.

In testimony that I claim the above I hereunto set my hand.

JAMES A. BRANDON.

Witnesses:

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