

No. 623,035.

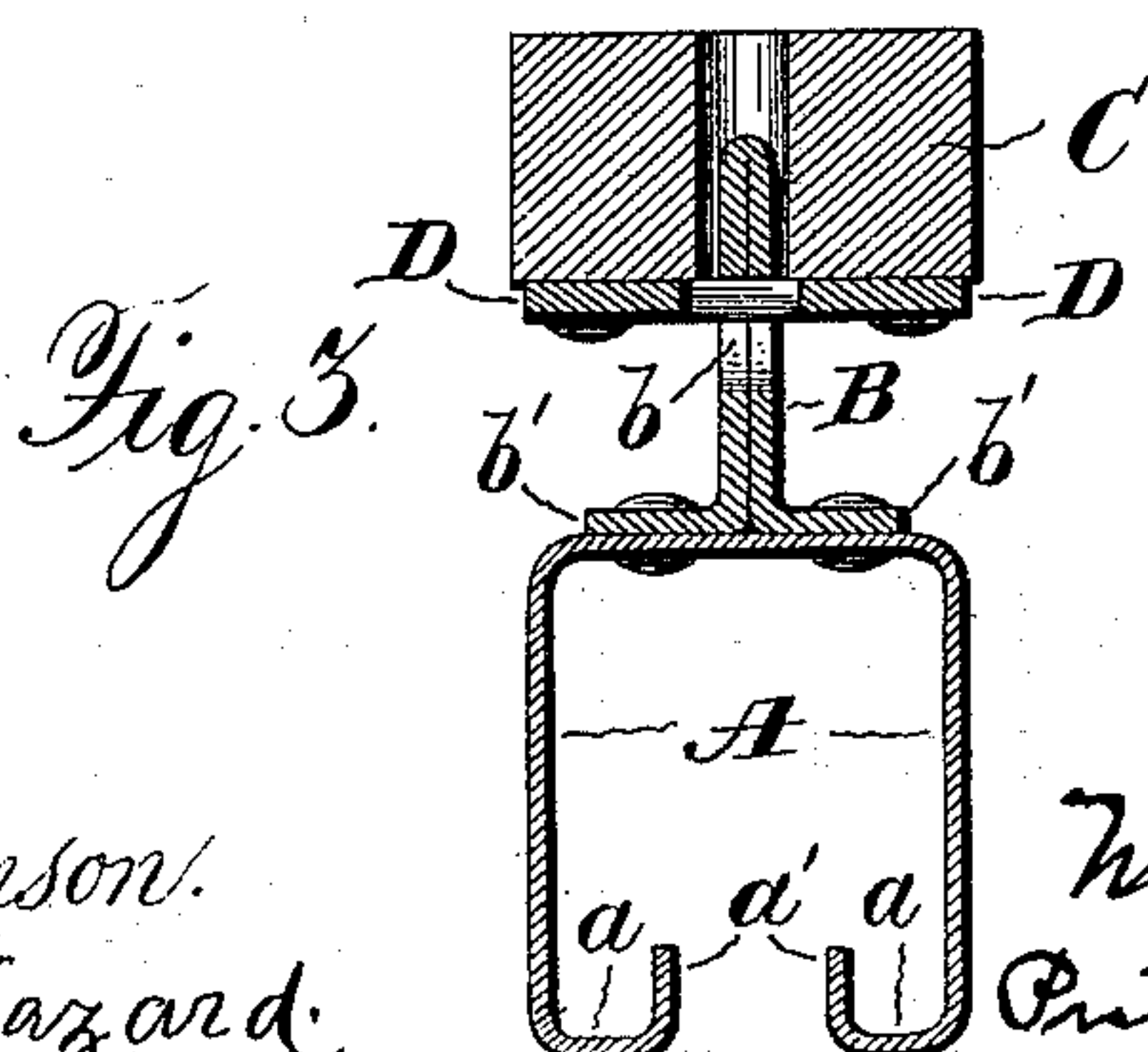
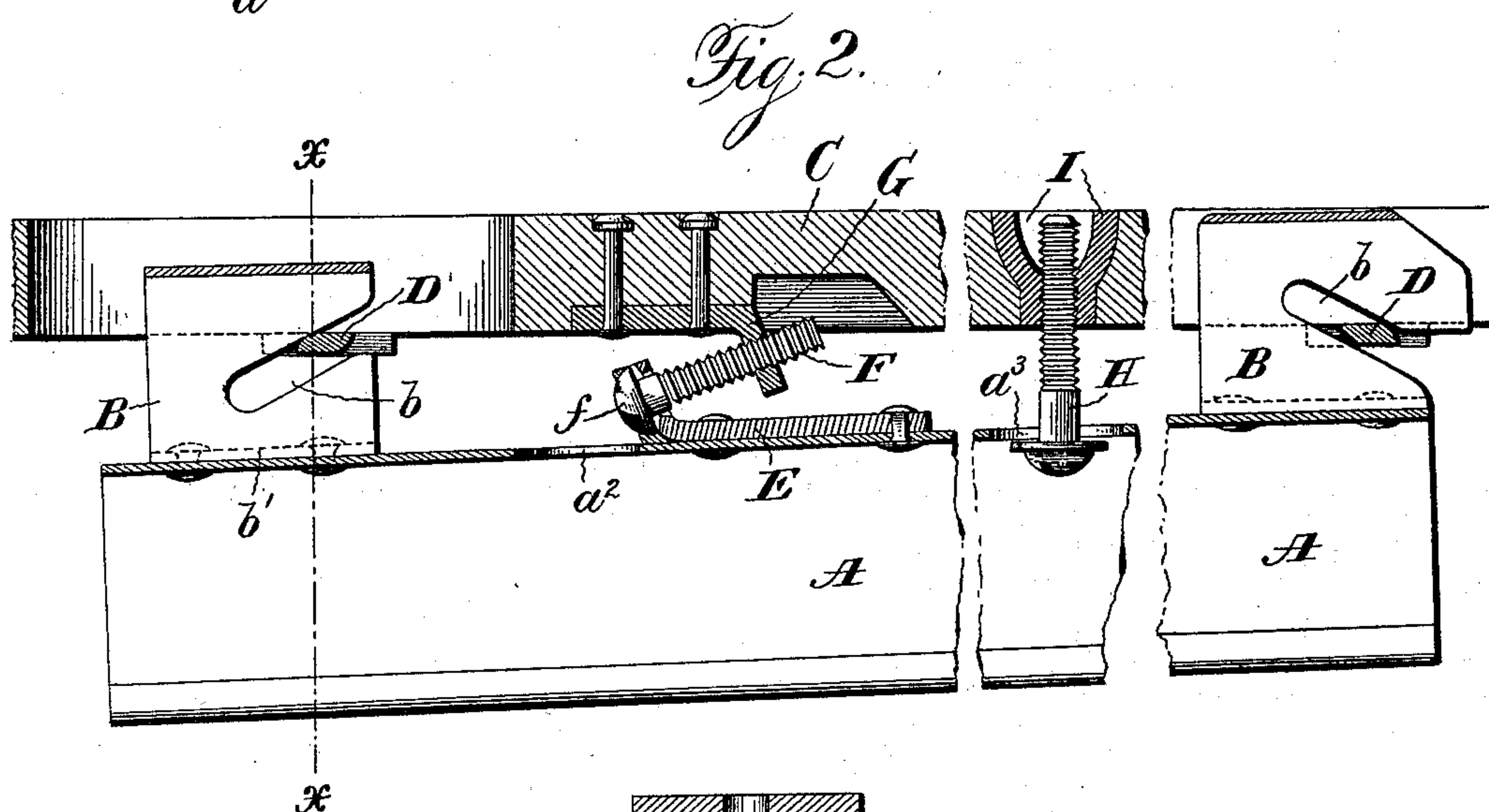
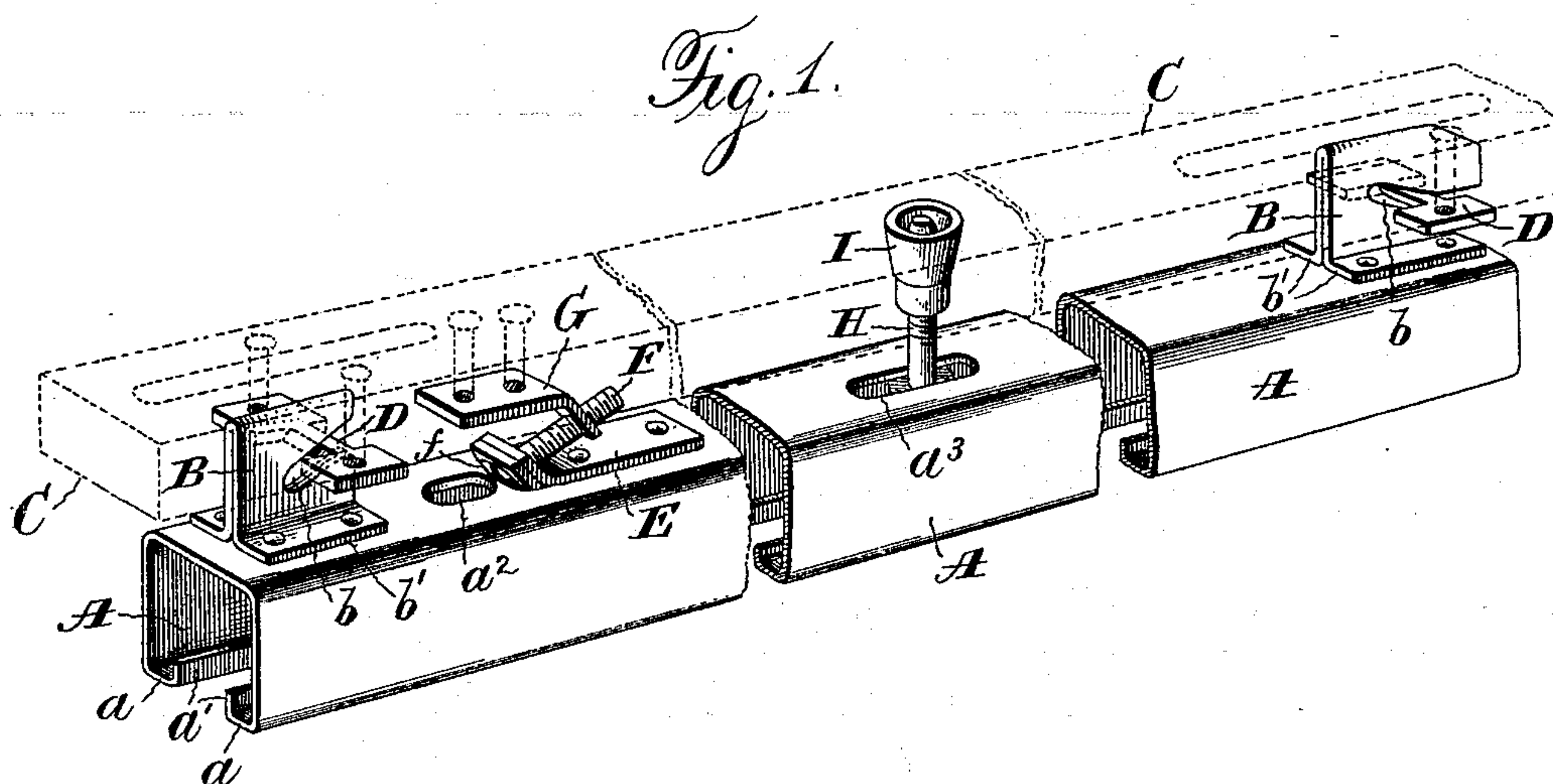
Patented Apr. 11, 1899.

M. C. RICHARDS.

ADJUSTABLE TRACK FOR SLIDING DOORS.

(Application filed Mar. 24, 1898.)

(No Model.)



Witnesses:
Jas. E. Hutchinson.
Henry C. Hazard.

Inventor.
Narcisse P. Richards, by
Prindle and Russell, his Attys

UNITED STATES PATENT OFFICE.

MARCIUS C. RICHARDS, OF AURORA, ILLINOIS.

ADJUSTABLE TRACK FOR SLIDING DOORS.

SPECIFICATION forming part of Letters Patent No. 623,035, dated April 11, 1899.

Application filed March 24, 1898. Serial No. 675,017. (No model.)

To all whom it may concern:

Be it known that I, MARCIUS C. RICHARDS, of Aurora, in the county of Kane, and in the State of Illinois, have invented certain new and useful Improvements in Adjustable Tracks for Sliding Doors; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

10 Figure 1 is a perspective view, with parts broken away, of my sliding-door track. Fig. 2 is a longitudinal section thereof, and Fig. 3 is a cross-section on the line xx of Fig. 2.

Letters of like name and kind refer to like parts in each of the figures.

15 The object of my invention is to provide simple and inexpensive means whereby the tracks of sliding doors may be most easily adjusted to make them level; and to this end said invention consists in the track having the features of construction substantially as hereinafter specified.

25 In the practice of my invention any form of track A may be used; but I prefer one having such a construction as that shown, which in cross-section has the form of an inverted U, with an inward extension a at the bottom of each side, from the inner edge of which rises a vertical flange a' , a suitable space being left 30 between the two flanges a' and a' . Through said space the hanger passes, and the wheels thereof rest upon the extensions a and a . Made in the form described the track can be rolled from sheet metal, and thus, though 35 cheaply made, be strong and serviceable.

40 Upon the top side of the track, at or near the end thereof, are two lugs B and B, each of which has an inclined slot b . The two slots incline in opposite directions, so that they diverge from each other downward and outward. The angle of inclination of both is, however, preferably the same.

45 The lugs B and B are preferably each made of a piece of sheet metal doubled or folded upon itself and provided with oppositely-extending flanges b' and b' , through which rivets pass to fasten the lug to the track A.

50 Above the track A is a rail or bar of wood C, that is suitably fastened to the framework of the partition above the door, to the under

side of which are fastened two bars D and D, which are respectively engaged by the slots of the lugs B and B and the track thereby supported. The upper and lower surfaces of the bars D and D are inclined to correspond 55 with the inclination of the sides of the respective slots.

Swiveled in a bracket E, fastened to the upper side of the track A, is a screw F, arranged at an incline from a horizontal plane and 60 placed so near what is the outer end of the track when in place that its head f can be readily reached by a screw-driver passed through the track from below, the top of the track being slotted at a^2 to give access to the 65 screw-head. Said screw engages a nut G, in the form of a plate, fastened to the under side of the bar C and having the part that contains the threaded opening bent at right angles to the axis of the screw. 70

It will be apparent that by reason of the divergence of the slots of the lugs B and B if the track be moved longitudinally the points of engagement of the slot-walls of the lugs B and B with their respective bars D and D will 75 be changed, so that, for example, the distance from the top of the track to one bar D where it engages the slot-wall of its lug B will be less than the distance from the top of the track to the other bar D where it engages the 80 slot-wall of its lug. Thus by moving the bar longitudinally in either direction one end of the track can be raised and the other lowered and the level of the track adjusted.

Where a track is used of such length that 85 it is apt to sag between the end supports, there is placed at or near its mid-length or at such other points as may be desired a support that may consist of a screw or bolt H, whose head or a washer engages the under side of the 90 track top, while its shank screws into a nut I, fastened in the bar C. The opening a^3 in the track top, through which the screw or bolt passes, is of course elongated to permit longitudinal movement of the track. 95

As the principal parts of my track are made from sheet metal, it is apparent that the cost of manufacture can be very low.

While the particular construction herein shown and described is preferred, it is to be 100

understood that the scope of the invention is not limited thereto, but extends to constructions that may differ in respect to details.

Having thus described my invention, what I claim is—

1. The combination of a track, supports therefor comprising parts with diverging, inclined surfaces, and a bar engaging each of the latter, and means for changing the points of contact of said surfaces and bars, substantially as and for the purpose described.

2. The combination of a track, having parts with diverging, inclined surfaces, a support engaging each of the latter, and means for moving the track longitudinally, substantially as and for the purpose described.

3. The combination of a track having parts with diverging, inclined surfaces, a supporting-bar engaging each of the latter, and a

screw mechanism connected with the track, substantially as and for the purpose described.

4. The combination of a track having on its upper side, at separated points, two lugs with a slot each, the slots being inclined to diverge from each other downward and outward, a supporting-bar for each slot, and a single screw mounted to move the track longitudinally, substantially as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of March, A. D. 1898.

MARCIUS C. RICHARDS.

Witnesses:

CHAS. H. RICHARDS,
C. W. SENCENBAUGH.