

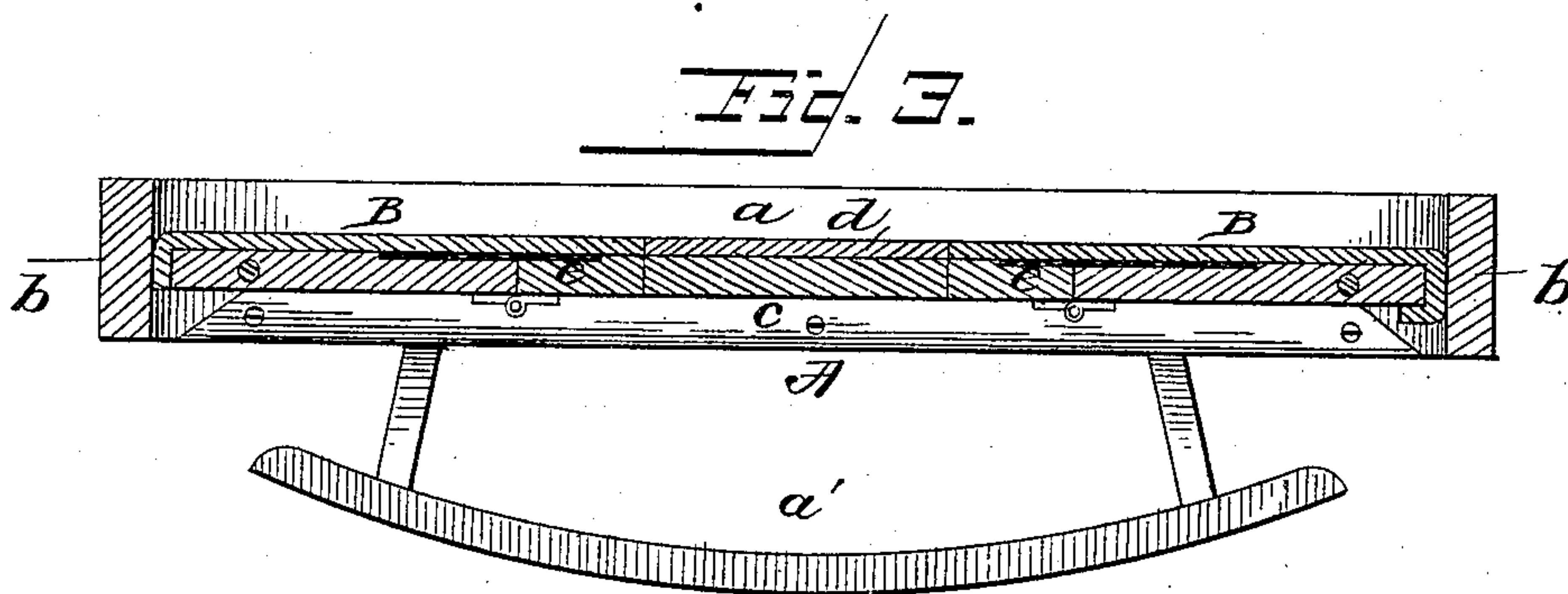
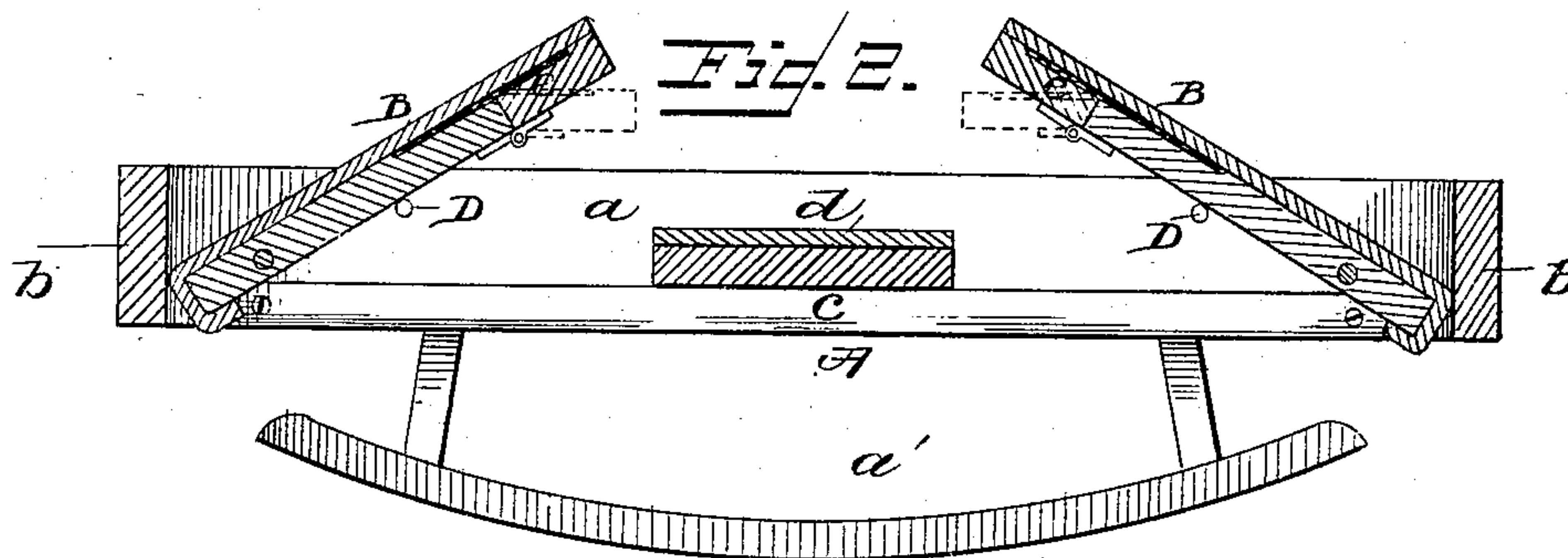
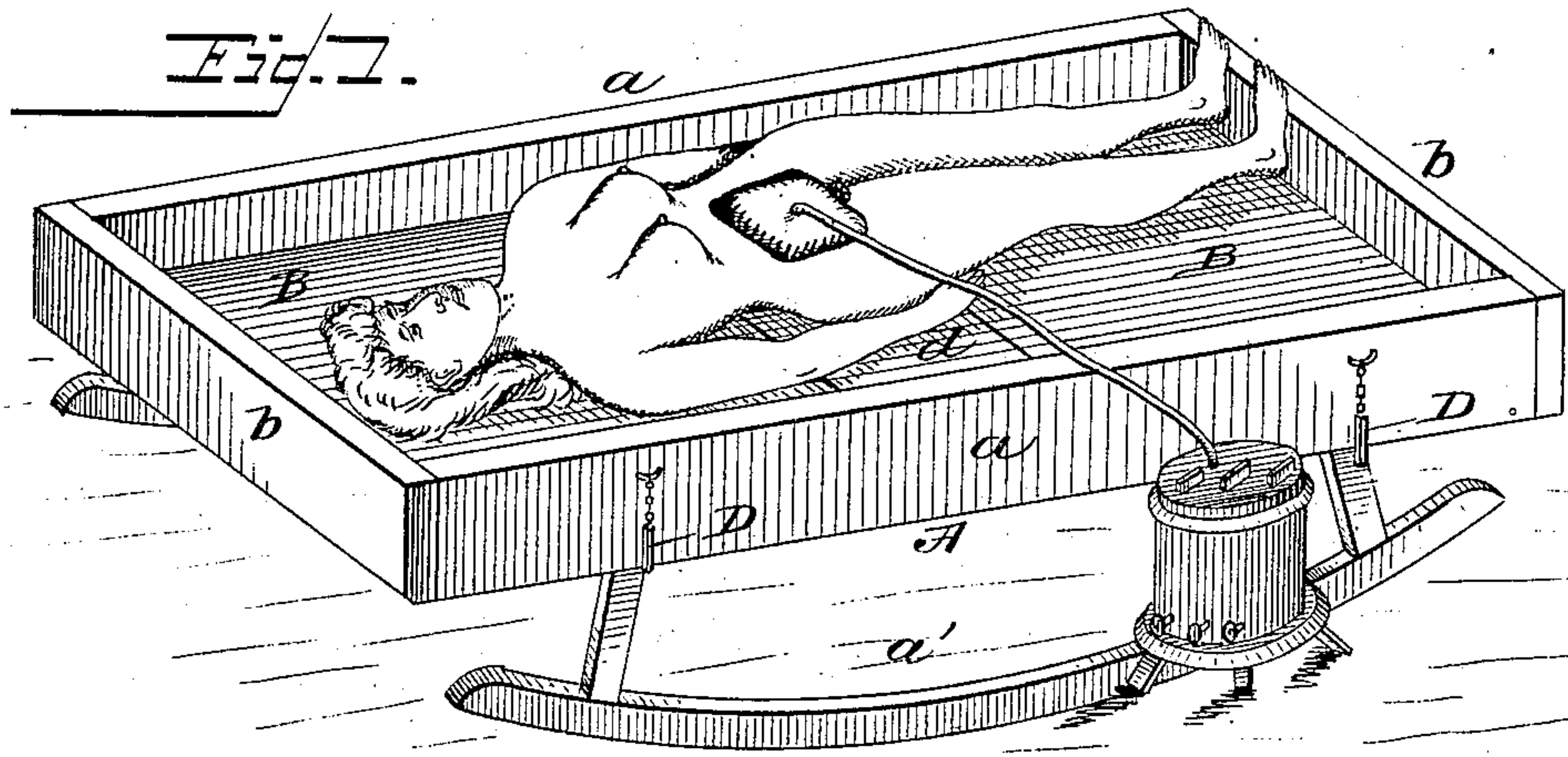
(No Model.)

H. MAIN.

MOVEMENT CURE APPARATUS.

No. 323,701.

Patented Aug. 4, 1885.



WITNESSES.

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UNITED STATES PATENT OFFICE.

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MOVEMENT-CURE APPARATUS.

SPECIFICATION forming part of Letters Patent No. 323,701, dated August 4, 1885.

Application filed January 26, 1885. (No model.)

To all whom it may concern:

Be it known that I, HARRISON MAIN, a citizen of the United States, residing at Eureka Springs, in the county of Carroll and State of Arkansas, have invented a new and useful Improvement in Movement-Cure Apparatus, of which the following is a specification, reference being had to the accompanying drawings.

10 My invention relates to movement cure apparatus for invalids; and it has for its object to provide a cot which shall be cheap and simple in its construction, and one whereby a patient may be exercised while lying upon
15 the same.

With these ends in view the invention consists in the improved construction and combinations of parts hereinafter fully described, and pointed out in the claim.

20 In the drawings, Figure 1 is a perspective view of an invalid-cot constructed in accordance with my invention, showing an arrangement whereby hot air or steam may be applied to the patient. Fig. 2 is a longitudinal
25 vertical section of the cot, showing the leaves of the same raised; and Fig. 3 is a longitudinal vertical section showing the leaves lowered.

30 In the accompanying drawings, in which like letters of reference indicate corresponding parts in all the figures, A represents the frame of the cot, which consists of the parallel side pieces or strips, *a*, connected at their ends by cross-pieces *b*.

35 Upon the inner sides of the side pieces, *a*, are arranged strips *c*, the ends of which are cut off or beveled for a purpose which will be more fully explained.

40 Midway between the ends of the frame is provided a cross strip or section of the mattress of the cot. The said section rests upon the strips *c* and is supported thereby, and is secured in any suitable manner against movement. The said section of the mattress or bottom of the bed consists of a board covered with
45 a section, *d*, of a mattress, which is also held against displacement.

B B represent pivoted leaves or mattress-sections, which are pivoted near their outer
50 ends between the sides of the frame. It will

thus be seen that said leaves may be raised until their under outer ends strike the beveled ends of the strips *c*, which will serve as stops. The inner ends of the pivoted leaves are provided with hinged strips *e*, the hinges
55 being located on both the upper and lower sides of the same, so that the strips can only be moved a slight distance, either upwardly or downwardly, the hinges on the upper side of the pivoted leaves and strips *e* being flexible, so as to allow the strips *e* to assume a horizontal position when the pivoted leaves are raised. The said pivoted leaves B B are also covered with mattresses, which are held
65 thereon against displacement. Stops or pins D extend through the sides of the frame to hold the inner ends of the pivoted leaves or sections in a raised position, said pins being removable, so that the leaves or sections may be lowered when desired.
70

The cot above described is supported upon any suitable or well-known arrangement of rockers, as shown at *a'*.

The above-described cot is well adapted for the application of heat to the patient, or for
75 applying a steam-pad. In the last-mentioned case a stove is placed under the cot, and a flexible pipe having a pad at one end connected with a vessel on the stove containing hot water, said pipe being adapted to convey
80 the steam to the pad, which may be placed at any desired point on the patient's body.

The normal position of the pivoted leaves is that shown in Fig. 1, and when it is desired to exercise a patient the patient is
85 placed upon the cot and the pivoted leaves raised, as shown in Fig. 2, and held in such position by means of the stop-pins D. As the strips *e* are hinged, the weight of the patient will cause the same to assume a horizontal
90 position, said strips forming a rest for the breast and groins of the patient, the feet resting upon one of the inclined pivoted leaves and the arms upon the other. The cot is then rocked, thus giving the patient exercise
95 while in a passive position and without any exertion on the part of the patient. After the patient has been exercised sufficiently the pins D are removed and the leaves lowered to the position shown in Fig. 1.

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

5 The combination, with a frame mounted on rockers, of a stationary strip secured to said frame, pivoted leaves located on each side of the stationary strip, hinged strips at the inner ends of the leaves, and stops for limiting the movement of the pivoted leaves, as set forth.

In testimony that I claim the foregoing as 10 my own I have hereto affixed my signature in presence of witnesses.

HARRISON MAIN.

Witnesses:

S. D. CAMPBELL,
FRED Y. ULEN,
WILLIAM HENRY MAIN.