

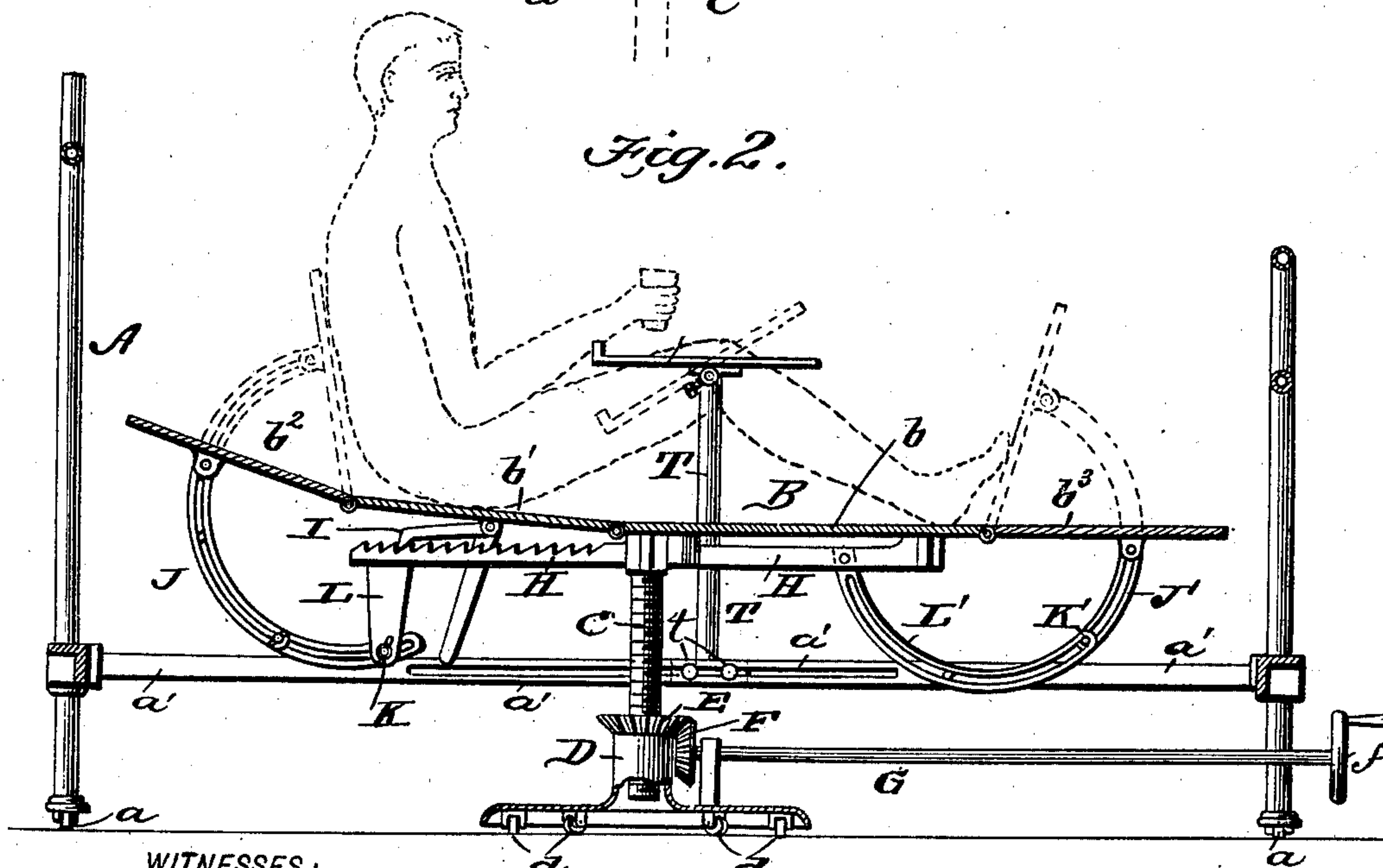
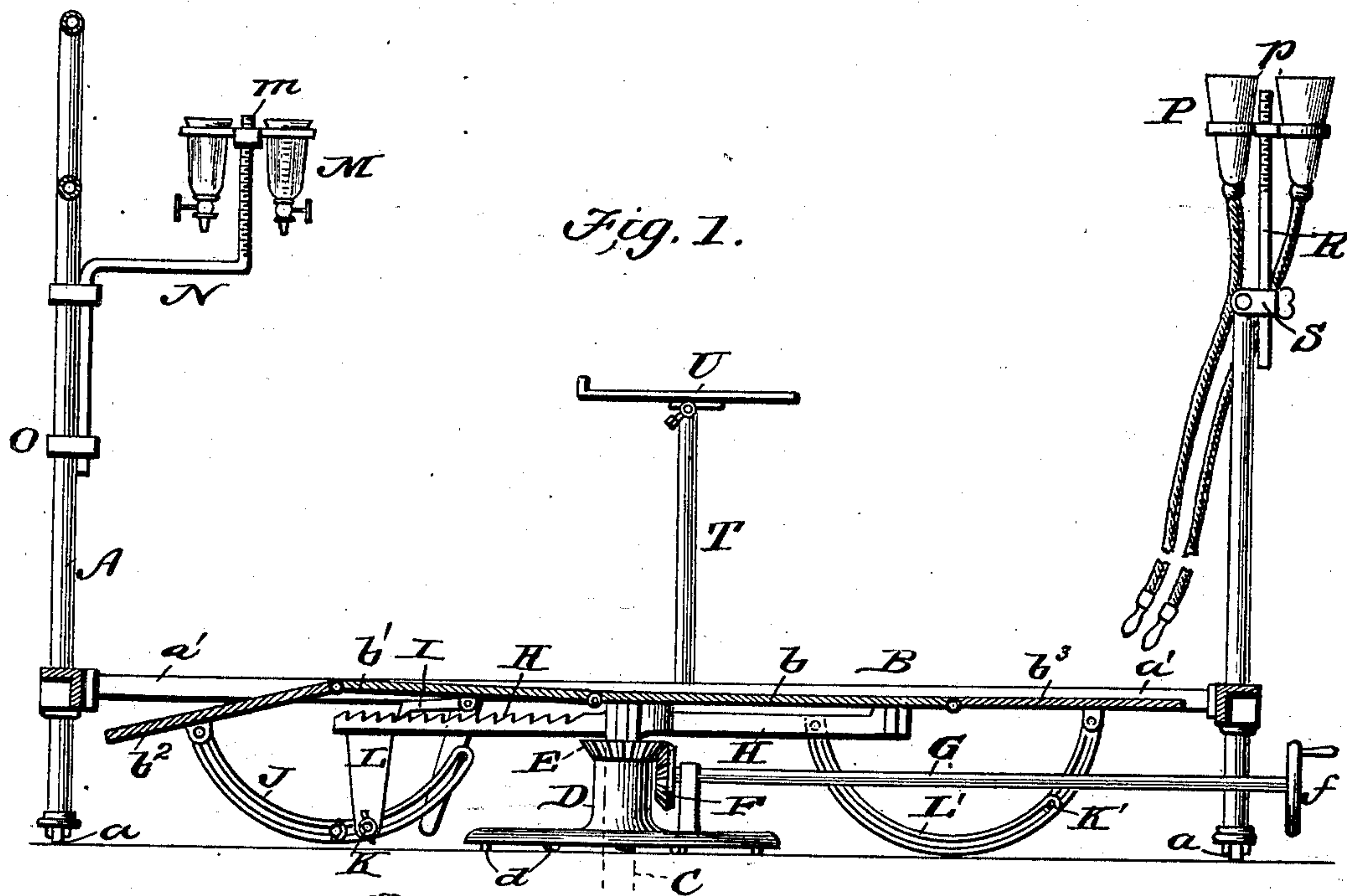
No. 673,366.

Patented Apr. 30, 1901.

A. LURIA.
INVALID OR SURGICAL BED.

(Application filed July 14, 1900.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

ADOLFO LURIA, OF CHICAGO, ILLINOIS.

INVALID OR SURGICAL BED.

SPECIFICATION forming part of Letters Patent No. 673,366, dated April 30, 1901.

Application filed July 14, 1900. Serial No. 23,609. (No model.)

To all whom it may concern:

Be it known that I, ADOLFO LURIA, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Invalid or Surgical Beds, of which the following is a specification.

It is the object of my invention to provide an improved bed for use in hospitals or private houses for patients requiring medical or surgical treatment. The details of construction, combination, and arrangement of parts are as follows, reference being had to accompanying drawings, in which—

Figure 1 is a vertical section of my apparatus. Fig. 2 is a vertical section showing the surgical table adjusted for use by convalescents.

An oblong rectangular frame or bedstead A is mounted on casters *a*, so that it may be rolled from place to place. Within this frame A is arranged a table or bed-support B, which is supported upon a central screw C, passing through a pedestal D, having an enlarged base and supported on casters *d*. The said screw works in a nut E, having a toothed and beveled periphery, thus constituting practically a bevel-gear. This gear E rests and is adapted to rotate upon the pedestal D and meshes with a gear F, which is arranged vertically and keyed upon a horizontal shaft G, that extends beyond the foot of the frame A and provided with a hand-wheel *f* for the purpose of rotating it, and thereby raising or lowering the table B, as may be required.

The head of the screw C is fixed in a metal bar or frame H, whose rear portion is provided with ratchet-teeth for engagement of a pawl I, that is pivoted to the under side of table-section *b'*, which is hinged to the fixed section *b*. A third section *b*² is hinged to section *b'* and supported at its free outer end by means of a curved arm J, having a slot to receive a clamp-screw K, that works in a bracket L pendent from bar H. The curved arm J is made in two sections that slide upon each other, which accommodates it to the space beneath the table. The hinged foot-section *b*³ of the table is provided with a curved slotted arm J', which slides alongside a fixed slotted arm L', attached to bar or frame H and provided with a clamp-screw K'. The operation is obvious. It is apparent that with this con-

struction and combination of parts the section *b'* may be adjusted by the pawl I at any desired angle to the fixed section *b*, and that the outer section *b*² may be set, by means of bar J and screw K, at different angles to *b'*, thus affording a wide range of adjustment to meet all requirements for surgical and medical purposes or for needs of patients in general.

In connection with the table A, I utilize the anesthetic-holders M, which are glass receptacles provided with nozzles having discharge-cocks. They are supported detachably in a metal frame *m*, which may be screwed up or down, and thus adjusted vertically on the screw-threaded rod N, that is bent at right angles and held in keepers O, attached to the head of bedstead or frame A. The bent rod N may be turned to one side or the other, as conditions require, so that the holders M will be out of the way when not required for use.

The vertical adjustability of the table A enables it to be set at any height required for different surgical operations, and the anesthetic-holders M are also adapted to be placed higher or lower or at one side or the other for convenience of access and use during such operations.

I likewise employ holders P for water and an antiseptic fluid for use in treating wounds or for topical application for other purposes. The said holders are supported, like the anesthetic-holders M, by a frame *p*, which is adjustable vertically upon a screw-threaded rod R, which is clamped in a keeper S, attached to the foot of the bedstead or frame A.

When a patient is to be operated on surgically, he is anesthetized while on the table H, and then the latter, together with the frame A, is rolled from the room or ward into the operating-room, and when the operation has been completed they are rolled back, with the patient remaining on the table. A rubber sheet is laid on the table B when the latter is used for surgical purposes. A mattress of any desired kind or thickness will be used on the table if used as a bed. The section *b*², when adjusted nearly vertical, affords support for the back of a patient when able to occupy a sitting position, as shown in Fig. 2, and section *b*³ may also be set at an angle fa-

voring support or bracing of the patient's feet.

A post T, carrying a shelf U for supporting surgical implements, medicines, and dinner-trays, &c., is secured adjustably to a slot-

When the table-section b^3 is raised and clamped at the angle shown by dotted lines in Fig. 2, it serves as a point for convenient attachment of cords which the patient may pull to aid in reducing dislocations of the shoulder or hip joint or for assisting in delivering in obstetrical cases.

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

1. An improved apparatus for medical and surgical use, comprising the surgical table proper, and a pivoted swinging rod, bent twice at a right angle, and anesthetic-holders which are supported on the vertical, free arm of said rod, as shown and described, whereby the said holders may be swung and placed in different positions relative to the table, as shown and described.

2. An improved apparatus for medical and surgical use, comprising the surgical table, means for raising and lowering said table, the

pivoted rod, which is bent twice at a right angle and has a screw-threaded vertical arm, the anesthetic-holders, a frame or bar suspending the latter and screwed on said arm, as shown and described.

3. The improved surgical table comprising a fixed central section, a supporting-frame, horizontal ratchet-bar projecting from said frame, a hinged table-section arranged over said bar, a pawl pivoted to such hinged section, an outer hinged section, and curved slotted arms pivoted to the outer section, and means for clamping them to a pendent portion of the ratchet-bar, as shown and described, whereby the two hinged sections may be adjusted together and their angle to each other preserved, as specified.

4. The improved surgical table comprising a fixed section, hinged end sections, curved slotted arm supporting the latter and composed of two parts which are slidable on each other, and clamp-screws for securing said arms in any adjustment, substantially as shown and described.

ADOLFO LURIA.

Witnesses:

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