No. 696,722. Patented Apr. 1, 1902.

R. P. CURTS.

PHYSICIAN'S EXAMINING CHAIR AND TABLE.

(Application filed July 20, 1901.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.

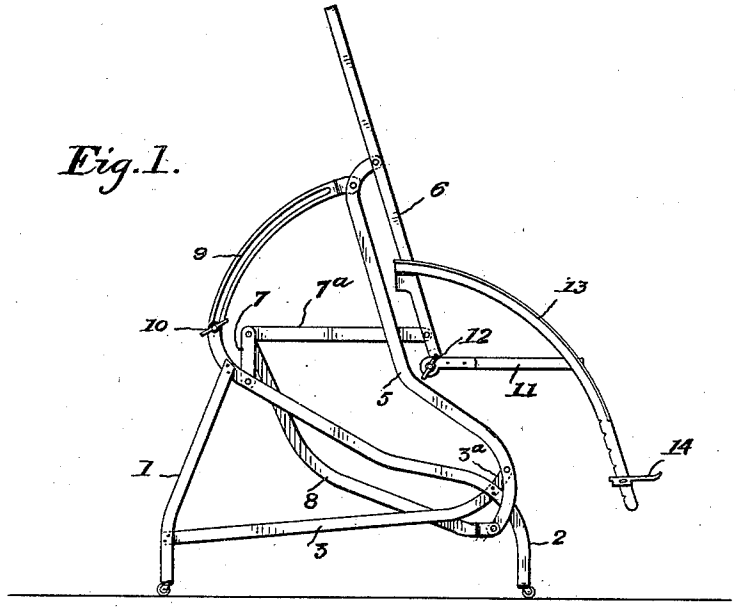
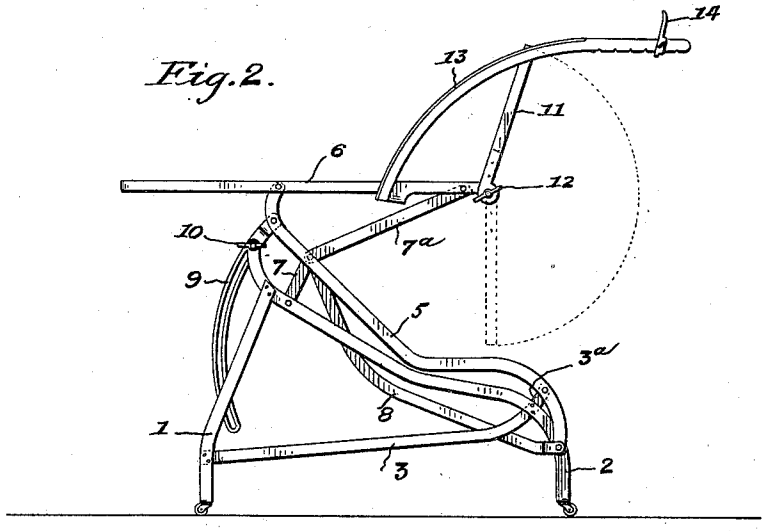


Fig. 2.



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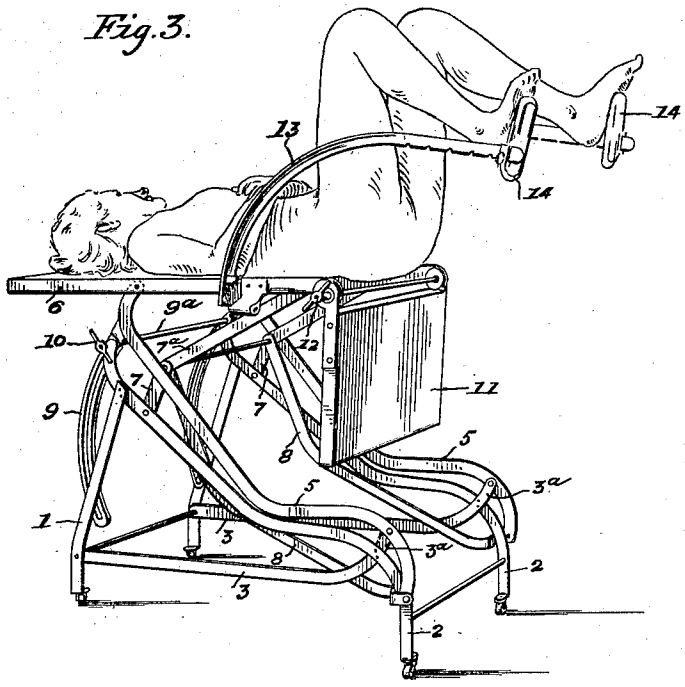
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(No Model.) 2 Sheets—Sheet 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

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PHYSICIAN'S EXAMINING CHAIR AND TABLE.

SPECIFICATION forming part of Letters Patent No. 696,722, dated April 1, 1902.

Application filed July 20, 1901. Serial No. 69,093. (No model.)

To all whom it may concern:

Be it known that I, ROBERT PERCIVAL CURTS, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Physicians' Examining Chairs and Tables; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide a combined chair and table of simple and economical construction especially adapted for the use of physicians and surgeons in making physiological examinations, and in which the chair can be raised from ordinary chair height or position to ordinary table height or position without great effort. This I accomplish by the arrangement of levers, arms, and their connections, hereinafter set forth and claimed.

In the accompanying drawings, illustrating but one embodiment of my invention, Figure 1 is a side elevation of the combined chair and table turned down to chair position. Fig. 2 is a similar view showing the back turned to horizontal or table position. Fig. 3 is a perspective view of the device depicting a patient occupying the table.

In the views, 1 and 2 designate the rear and front legs or standards, which constitute the base of the device. The legs can be provided with rollers or casters to permit the device to be rolled easily about the floor. These legs are braced by horizontally-placed bars or rungs 3, connecting the front and rear legs, and these rungs are shown to project slightly beyond the front legs, as indicated at 3^a. Fulcrumed to these projections 3^a are lever-arms 5, that are hinged at the ends of their upper or long arms to about the middle points of the back or table portion 6 of the device. Connecting the lower portion of the back or table portion 6 are toggle-arms 7 and 7^a, and connecting the toggle-arms and the lower or shorter arms of the levers 5 are links 8. Hinged to the upper arms of the levers 5 are curved slotted arms 9, which are guided and held to move in the proper direction by a rod 9^a, extending between the upper ends of the legs 2. When the back of the chair is turned down to table position, it can be clamped and supported in that position by any suitable clamping means, that shown including a winged nut 10. The seat 11 is shown to be hinged to the lower end of the back or table portion 6 and provided with any suitable means 12 for clamping and holding it in seat position and for allowing the seat to drop down out of the way when a patient is to be examined or operated upon.

Pivoted so as to be laterally adjustable in the sides of the back or table portion are curved arms 13, having at their outer or lower ends adjustable stirrups 14, in which the feet of the patient can be placed.

In practice more braces between the legs can be provided; but I have omitted these for the sake of clearness in my drawings.

From the construction shown and described it will be observed that the chair is raised from ordinary chair height to ordinary table height, and because the axis of movement of the back of the chair in turning it to table position is approximately in the center of gravity of the patient this operation requires but very slight effort on the part of the physician or surgeon or his attendant.

What I claim, and desire to secure by Letters Patent, is—

1. In a physician's or surgeon's examining chair and table, a base portion, levers pivoted in the forward part of the base portion, a chair back or table hinged near its middle to the upper ends of said levers, toggle-arms hinged to the lower portion of said chair back or table, and to the base portion, and a link connecting the toggle-arms and the lower arms of the aforesaid levers, substantially as described.

2. In a physician's or surgeon's examining chair and table, a base portion, a lever fulcrumed in the base portion, a chair back or table hinged near its middle to the upper end of said lever, and means substantially as described connected with the lower end of said lever and with the lower portion of the chair-back to assist, when the upper end of the lever is pulled downward, in elevating the lower end of the chair-back to table position.

In testimony whereof I affix my signature in presence of two witnesses.

ROBERT P. CURTS.

Witnesses:
GEORGE M. FINCKEL,
GEORGE W. ALFRED.