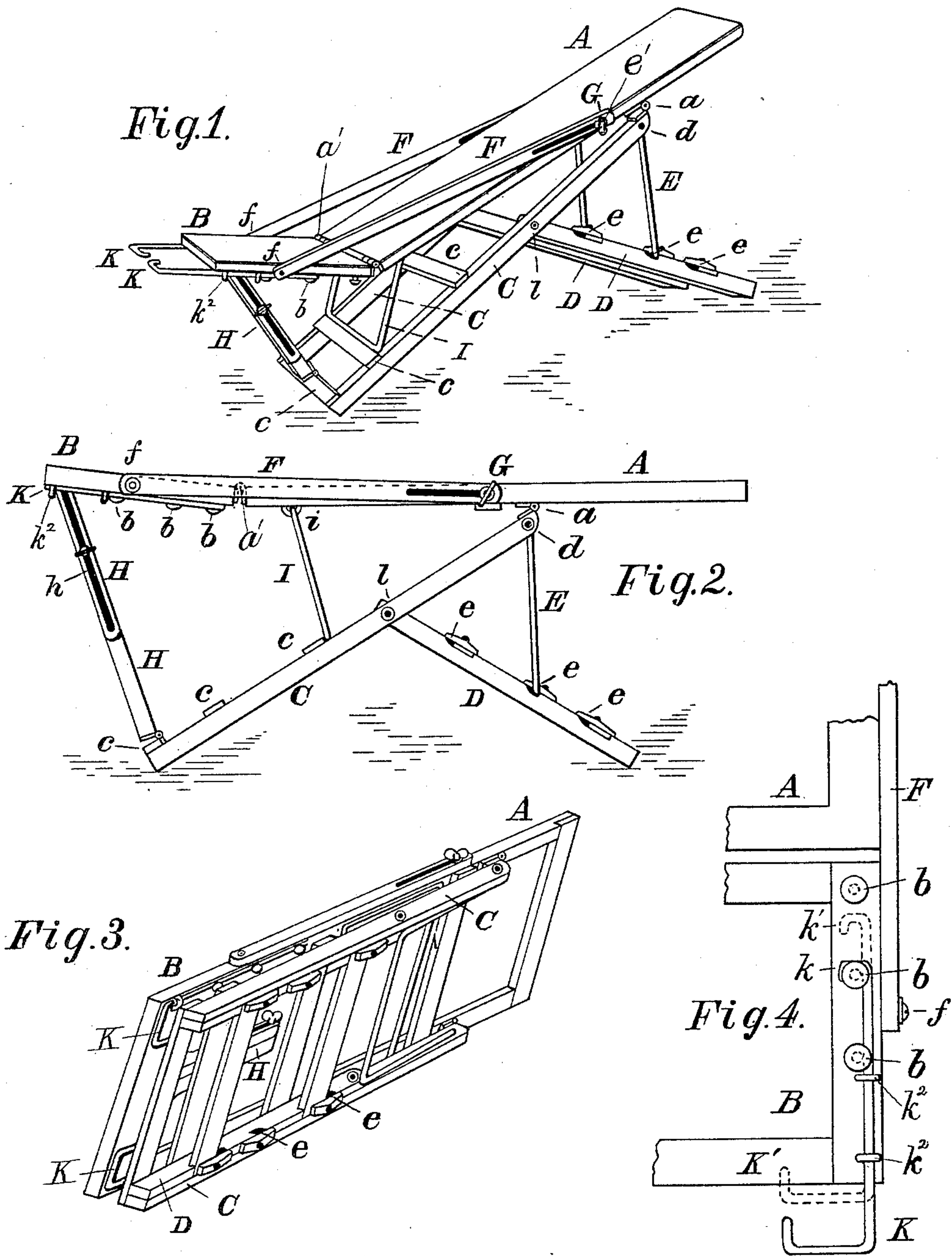


(No Model.)

A. J. MARSTON.
SURGEON'S CHAIR.

No. 327,570.

Patented Oct. 6, 1885.



WITNESSES

Walter B. Fowse.
Lucius H. Briggs

INVENTOR

Albert J. Marston
By Albert A. Parker
Attorney.

UNITED STATES PATENT OFFICE.

ALBERT J. MARSTON, OF WORCESTER, MASSACHUSETTS.

SURGEON'S CHAIR.

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To all whom it may concern:

Be it known that I, ALBERT J. MARSTON, of Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Surgeon's Combined Operating Chair and Table; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 represents a perspective view of my combined surgeon's chair and table when converted into a chair for use in gynecological operations with the foot-rests in position to receive the feet of the patient. Fig. 2 represents said combined chair and table when converted into an operating-table with one end slightly inclined or raised to raise the head of the patient. Fig. 3 represents the combined chair and table when folded up, and Fig. 4 represents an under side view of the chair-seat, showing the construction and arrangement of the foot-rests.

My invention relates to adjustable-operating chairs and tables which may be folded up for the use of surgeons and gynecologists.

It consists in the construction and arrangement of parts shown in the drawings and hereinafter described, whereby a combined chair and table is produced of a simple and inexpensive character, and which is capable of being adjusted to any position required by the operator, as hereinafter more fully described.

To enable those skilled in the art to which my invention appertains to make and use the same, I will proceed to describe it more in detail.

In the drawings, the parts marked A and B represent the frames forming the back and seat of the chair shown in Fig. 1. They are hinged together at *a'*, and may be covered with woven wire, canvas, or similar flexible material suitable for the purpose.

The parts marked C C represent the long side legs of the chair, which are hinged at one end to frame A at *a*, and are held in position and fastened together by said hinges and cross-pieces *c c c*, which are rigidly fastened at the ends to said side pieces, C.

D D are short legs, which are arranged to swing between the legs C, as shown in Fig. 3, when folded up, and outward from them to

hold the chair or table, as shown in Figs. 1 and 2. They are hinged to the long legs at *l* by means of bolts or otherwise.

The back of the chair A may be adjusted to any desired angle, and held in its adjusted position by means of a metal bail, E, which is hinged to the side legs, C C, at *d d*, and held at the bottom in one of the sets of notches *e e*, formed in the short legs D D. The bail is held in said notches by means of suitable buttons arranged on the legs D.

The seat B is raised and fastened at any desired angle by means of arms F F, which are hinged at one end to the sides of the seat, as shown at *f f*, and provided at their other ends with longitudinal slots, so that they may slide back and forth on rod or studs G, fastened to the back A. After adjustment said arms are held firmly in position by turning up the thumb-screws *e'* on the ends of the rod or studs G, so as to press them against the sides of the back A.

To more securely hold the seat B in its adjusted position I arrange one or more ordinary adjustable-supporting braces, H, under the front end of the seat. In this instance I have represented only one of said braces, arranged at about the center of the front end of the chair; but do not limit myself to this number, as one may be arranged at each corner or at any other desired point or points. Said braces are made in two parts, one part being hinged to one of the cross-pieces *c*, and the other to the seat of the chair. They overlap each other and are made so that the seat may be fastened in any adjusted position by forming a slot, *h*, in one of the parts, and providing the other part with a stud and thumb-screw for fastening the two parts together at any desired point, as is fully shown in Figs. 1 and 2 of the drawings.

The parts K K represent the foot-rests. Their outer ends are made L-shaped, to form bearings against which to place the feet, and their inner ends with rounded parts *k*, which, when they are forced out by the feet, hold against suitable studs or buttons, *b*, fastened to the under side of the seat, as shown in Fig. 4. Said foot-rests K are arranged to slide forward and back, as shown by full lines and dotted lines K' *k'*, in suitable guides or ways, *k''*, provided for the purpose.

The foot-rests may be adjusted in or out by

simply turning them, so that their rounded holding ends *k* may pass by the holding-buttons *b*, and then turning them back into their proper positions again, back of the buttons required to hold them.

The back part of the chair-seat is braced in a secure manner by means of a hinged bail, *I*, hinged at *ii* to the inner lower end of the back *B*, and adapted to rest at the bottom and be held against one of the cross-pieces *c* before described.

A greater or less number of adjusting-points for the chair than described and shown may be employed, if preferred, to suit the purposes to which it may be applied.

To convert the chair into an operating-table, as shown in Fig. 2 of the drawings, the operator has but simply to change the position of the supporting-brace *I* and other parts according to the uses to which it is to be applied, said parts being, by the foregoing construction and arrangement, convertible to a level table, a level table with an inclination to raise the head of the patient, or to any other desired inclination or angle.

My combined chair and table may be folded up in a compact form for storage or shipment, as shown in Fig. 3, by detaching the end of brace *E*, unloosening the thumb-screw which holds the parts of brace *H* together, and then swinging all the supporting parts up against the parts *A B*. All of said parts constituting my invention may be made of any materials suitable for the purpose.

Having described my surgeon's combined operating chair and table, what I claim therein as new and of my invention, and desire to secure by Letters Patent, is—

1. In a surgeon's combined operating chair and table, the combination of the parts *A B*, hinged at their inner ends, and covered on top with canvas, woven wire, or similar material, with the long legs *C C*, cross-pieces *c*, short legs *D D*, bail-brace *E*, arms *F F*, studs *G*, thumb-screws *e'*, supporting-braces *H*, and bail-brace *I*, constructed, hinged, and fastened together, substantially as shown and described, for the purposes stated.

2. The combination of the parts *A B* with the arms *F F*, provided with longitudinal slots and holding thumb-screws, long legs *C C*, provided with cross-pieces *c*, short legs *D D*, provided with notches *e*, and suitable holding-buttons, brace *H*, provided with a longitudinal slot and thumb-screw, brace *I*, and brace *E*, substantially as and for the purposes set forth.

3. The combination of the parts *A B* with adjustable foot-rests *K K*, their holding-buttons *b*, guides *k'*, the supporting-frame, slotted arms *F F*, and thumb-screws *e'*, substantially as shown and described.

ALBERT J. MARSTON.

Witnesses:

ALBERT A. BARKER,
WALTER B. NOURSE.