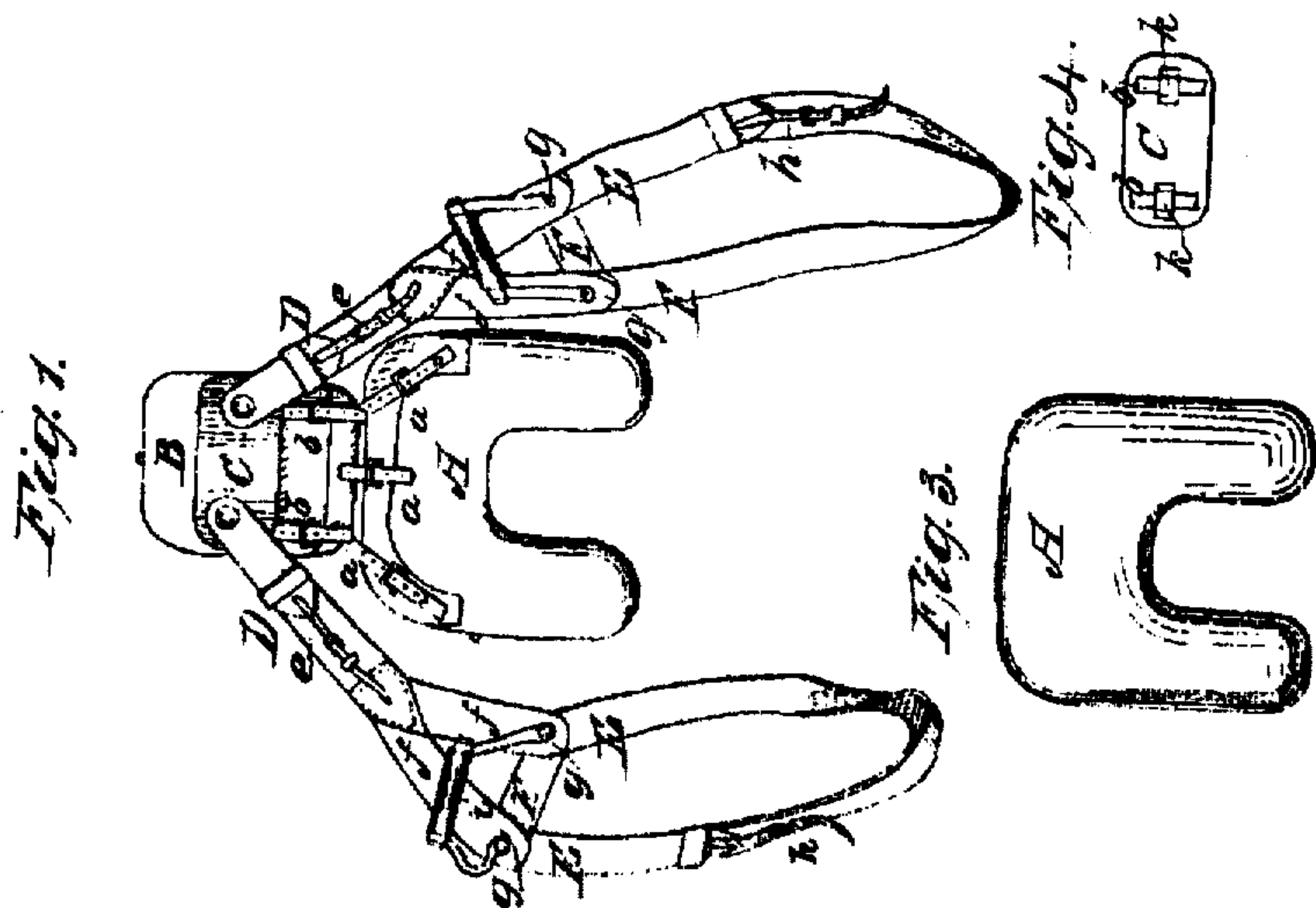
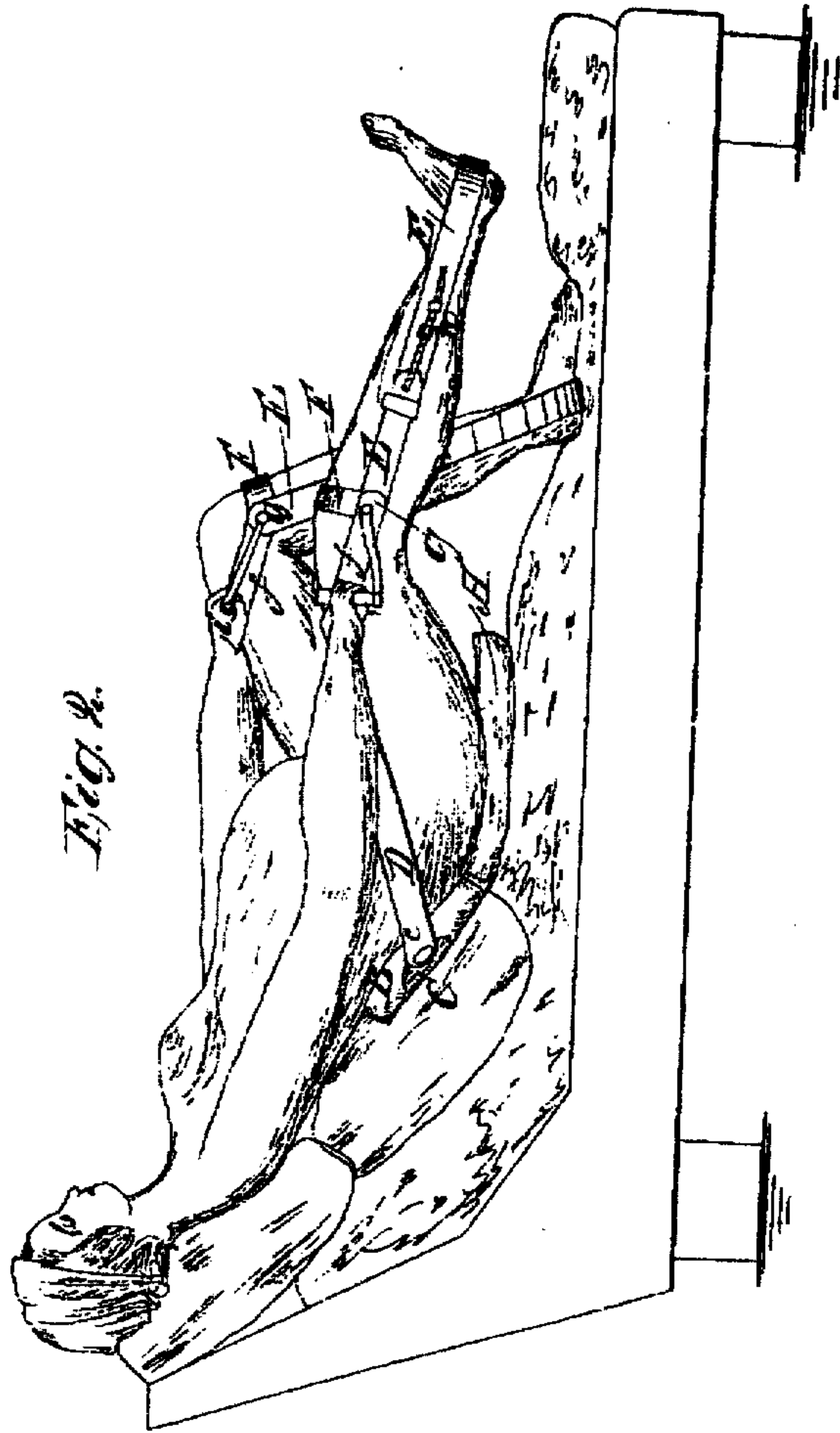


F. H. CHASE, A. WESTON & L. BABBIT.
OBSTETRICAL SUPPORTER.

No. 7,573.

Patented Aug. 20, 1850.



UNITED STATES PATENT OFFICE.

FRANCIS H. CHASE, OF CLINTONVILLE, NEW YORK, AND ADIN WESTON AND LEANDER BABBIT, OF AUSABLE, NEW YORK.

OBSTETRICAL SUPPORTER.

Specification of Letters Patent No. 7,573, dated August 20, 1850.

To all whom it may concern:

Be it known that we, FRANCIS H. CHASE, of Clintonville, in the county of Clinton, and State of New York, and ADIN WESTON, and LEANDER BABBIT, of Ausable, in the county and State aforesaid, have invented a new and Improved Obstetrical Supporter and Assistant; and we do hereby declare that the following is a true, full, and complete description of our invention.

The nature of our invention consists in the combination and arrangement of an instrument denominated an "Obstetrical Supporter and Assistant," designed to support and relieve a woman during parturition and render delivery easier, more speedy and safer, being so constructed as to adjust perfectly to the body and limbs and protect the oscoix from all pressure of the foetus and thereby enlarge the measurement of the pube coxigeal space, secure to the patient a pliant and comfortable seat and posture support and comfort to the back, the sacrum and the hips, and prevent those distressing pains of the thighs which frequently occur in delivery under ordinary treatment.

In order to enable others to understand and use our invention, we shall now proceed to describe in detail the construction and operation thereof, reference being had to the annexed drawings, which form a part of this specification.

Figure 1, is a perspective view of the instrument detached, taken looking towards the back part. Fig. 2, is a view of the instrument attached to the person. Fig. 3, is a plan or top view of the seat. Fig. 4, is an inside view of the sliding plate.

Similar letters always refer to the same parts.

The instrument is made of straps and webbing of any strong material, united by metal swivel joints and buckles, to an india rubber seat and back pad or cushion, so formed as to permit of inflation and a metallic sliding plate, attached to the back pad.

A, is the seat which consists of an inflated cushion of india rubber or other suitable material having a recess in front, which enables the patient to sit comfortably, leaving the outer parts of the pube-coxigeal space free from pressure and at the same time leaving room for the accoucher or other at-

tendant to perform his duties without incommoding the patient.

B, is the back pad which consists also of an inflated cushion of india rubber or other flexible material; it is of nearly quadrangular form being rounded off at the corners, and is connected to the back of the seat A, by means of three straps and buckles *a, a, a*, which allow it to be adjusted nearer to or farther from the seat, one strap being in the middle and the others at the side.

C, is the sliding plate which is of metal of any suitable thickness; it is connected by means of two small straps *b, b*, to the back pad B, the said straps being attached by both ends to the pad and passing through metal loops *k, k*, on the inside of the plate; the said sliding plate is capable of being easily moved up or down as may be required for the support and relief of the patient. Attached to the sliding plate C, by means of hinges or swivel joints *c, c*, one on each side, are two strong thigh straps D, D, each of which is made of two pieces united by means of a small adjusting strap and buckle *e*, and at its lower end is divided into forks *f, f*, which are fastened by swivel joints *g, g*, to leg straps E, E, that are united by an adjusting strap and buckle *h*. Fastened by the same swivel joints *g, g*, is a knee strap F, which connects the forks *f, f*, and also a handle, *i*.

The mode of application and the operation of the instrument are as follows: The india rubber cushions being properly inflated with air, the patient is placed in a recumbent posture on the seat A, as shown in Fig. 2, and the pad B, bearing against the small of the back. The connecting straps are then adjusted to the person; the straps D, D, are passed down the outside of each thigh; the strap F, over the knee, just below the joint, and the straps E, E, down both sides of the legs, the hollow of the foot resting against the loop or stirrup which they form. The patient takes hold of the handles *i, i*, with her hands, and the adjustment of the instrument on the person is complete. The limbs being fully extended when the instrument is thus arranged, the pad B, bears against the back and affords it and the muscles brought into play great relief during the pains of labor. And by

means of the sliding plate C, the point of bearing may be shifted up or down at pleasure by the attendant without disturbing the patient, comforting and relieving her with
5 great ease and certainty.

It will be observed too that by the peculiar arrangement and construction of the straps in connection with the pad, and the swivel joints that whatever may be the position of the body and limbs, the thigh straps
10 retain their place in a line with the pelvis and leg and whether the limbs be flexed or extended the straps are kept in their right places on the legs, the patient at will making
15 the feet or knees or both the feet and knees the points of bearing; both of these positions being illustrated in Fig. 2, the knee of the left leg being bent and the knee of the right limb being extended. The
20 knee straps F, being attached by swivel joints to the thigh and leg straps, will yield to the change in the position of the legs and will always retain their proper place below the knees and will not slip over the
25 knees after the legs have been extended.

The inflated india rubber cushion A, is an easy seat and the pad B, adapts itself to all forms and thus the pressure is uniform on all points of the back.

Having described in full the construction 30 and operation of our obstetrical supporter and assistant; what we claim as new and useful in our invention and desire to secure by Letters Patent is—

The combination in the manner described 35 of the sliding plate C, with the back pad B, which is connected to the seat, for the purpose of enabling the bearing of the instrument to be moved higher up or lower down the back without disturbing the patient.

F. H. CHASE.
ADIN WESTON.
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Witnesses:

JESSE GAY,
JOHN MONREN.

Witnesses for Weston and Babbit:

JOHN FITZGERALD,
J. P. HARVEY.