

(No Model.)

J. T. SURBAUGH.
OBSTETRICAL SUPPORTER.

No. 324,498.

Patented Aug. 18, 1885.

Fig. 2.

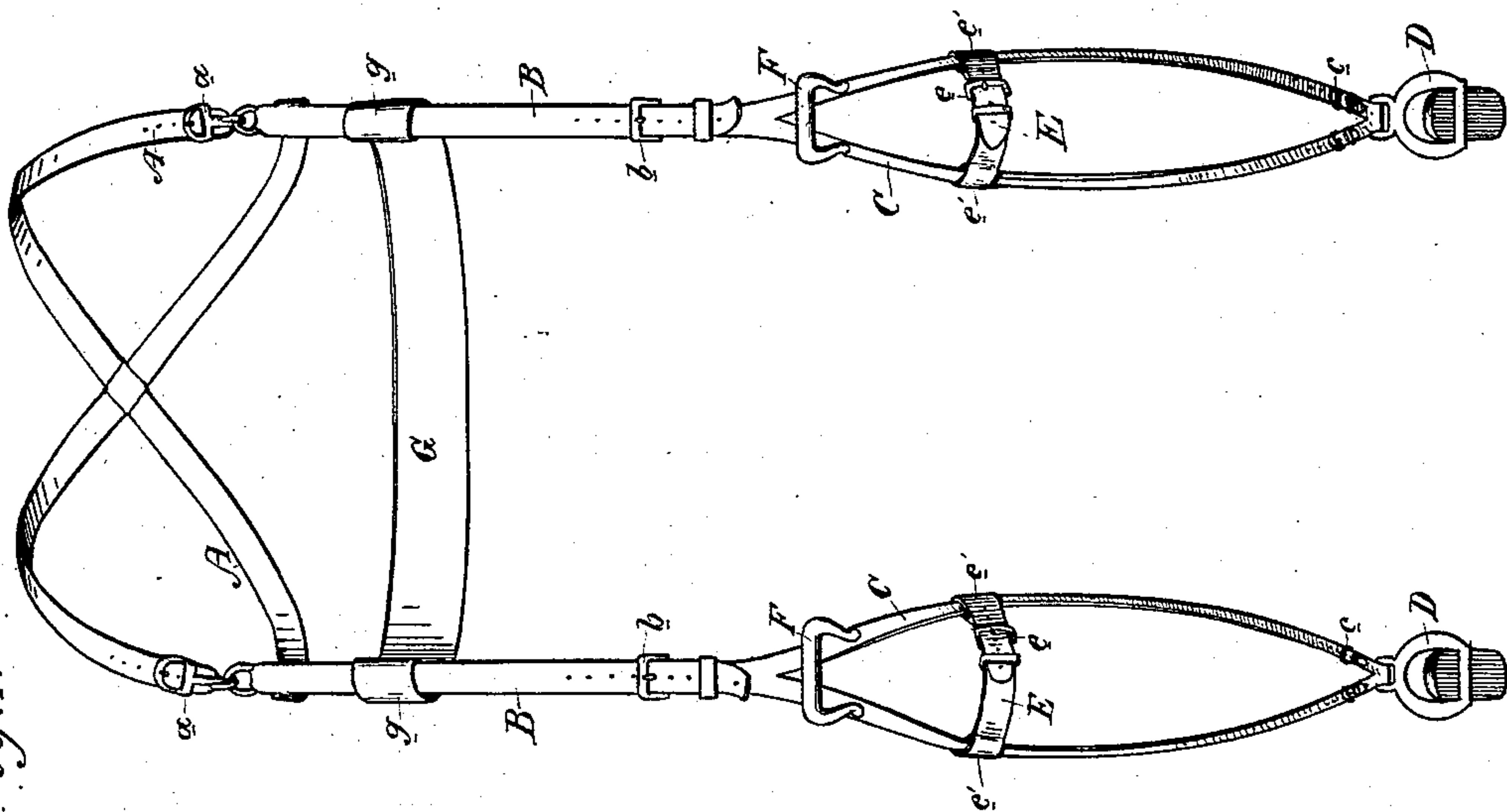
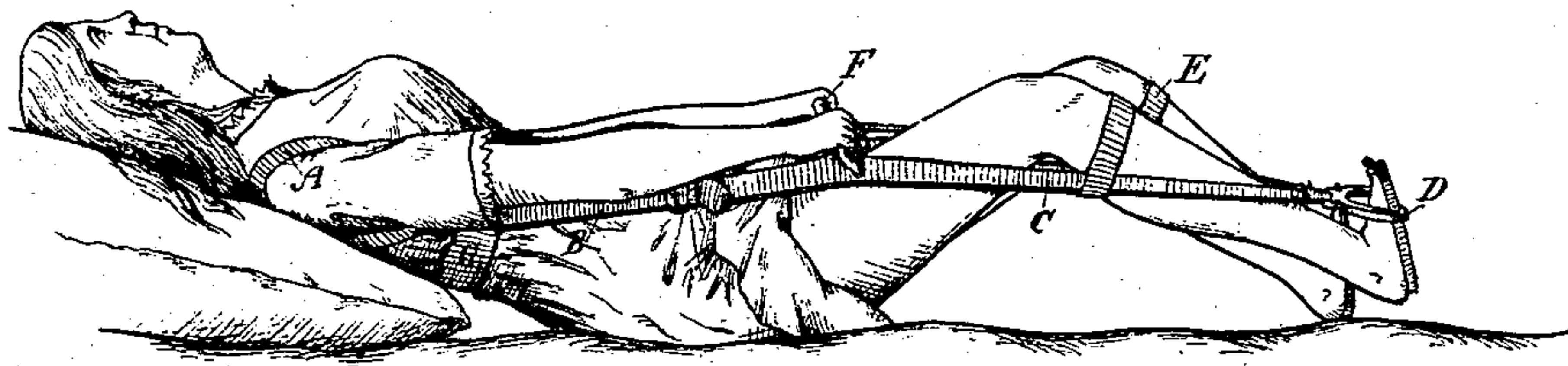


Fig. 1.

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UNITED STATES PATENT OFFICE.

JOSEPH T. SURBAUGH, OF MODESTO, CALIFORNIA.

OBSTETRICAL SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 324,498, dated August 18, 1885.

Application filed February 9, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH T. SURBAUGH, of Modesto, county of Stanislaus and State of California, have invented an Improvement in Obstetrical Supporters; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to that class of obstetrical supporters in which certain straps are so united and operate in unison to provide support and assistance to the patient; and my invention consists in the combination of certain shoulder-straps, body and leg straps, stirrups, knee-straps, and handles, and a back-supporting strap, and in their various and peculiar adjustments, all of which I shall hereinafter fully explain.

The object of my invention is to provide a simple and effective device or harness of this character, which can readily be accommodated to different persons, and which will be serviceable in every part, each part being adapted to perform its function complete, and the whole to give the necessary relief.

Referring to the accompanying drawings, Figure 1 is a perspective view of my supporter. Fig. 2 is a view showing its application.

A are the shoulder-straps, which cross in the back, after the manner of suspenders. Just under the arms they join the body side straps, B, which may be, as here shown, extensions of the shoulder-straps, and have buckles *a*, by which they may be adjusted. The straps B pass down on each side of the body, and are joined by buckles *b* to the leg-straps C. These are forked and pass down on each side of the legs, and are secured by means of buckles *c* to the stirrups D, into which the feet are inserted.

E are the knee-straps, which extend across the front of the legs just below the knees. These are provided with end loops *e'*, by which they are fitted upon the leg-straps, and may thus be adjusted up and down. They have also buckles *e*, by which their length may be regulated. Secured to the leg-straps, at a point between the knee-straps and where the body-straps join, are handles F, which are for the patient to grasp.

G is the back-supporting strap. This consists of a wide band, having end loops *g*,

through which the body side straps, B, pass loosely.

Fig. 2 shows the application of the device to the patient, and from this may be seen its use and advantages. The pressure of downward strain of the feet on the stirrups is resisted by the shoulders acting through the shoulder-straps. The strain or power exerted by the hands pulling on handles F is resisted by the feet.

As the body-straps pass down the sides of the body and are joined to the leg-straps, which extend out of line with the body-straps and move toward the front, the strain of the feet, resisted by the shoulders, has the effect of pulling up or forward on the ends of the back-supporting strap, thus tightening it and supporting the back, and the greater the strain the tighter it becomes, whereby it acts as an efficient support for that part. It will not be pulled out of place because of being fitted loosely on the body-straps.

The two-part or forked leg-straps allow free play to the knees in bending the legs.

I am aware that several devices, consisting of various straps, have been known for use in such cases; but none, as far as I know, are as complete as the one I have described.

I do not claim the various straps, broadly, but simply in the combination and arrangement I have shown, whereby a perfect device of the kind is provided, capable of any necessary adjustment.

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

1. In an obstetrical supporter, the combination of the shoulder-straps A, the side body-straps B, forming a part thereof, the two-part or forked leg-straps C, the knee-straps E on the leg-straps, and the stirrups D and handles F, all arranged substantially as herein described.

2. In an obstetrical supporter, the shoulder-straps A, side body-straps, B, two-part or forked leg-straps C, having stirrups D and the knee-straps E, secured to the leg-straps, and adapted to be adjusted thereon, substantially as herein described.

3. In an obstetrical supporter, the shoulder-straps A, side body-straps, B, and leg-straps

C, having stirrups D, in combination with the back-supporting strap G, having loops *g* on each end, through which the side body-straps loosely pass, substantially as herein described.

- 5 4. An obstetrical supporter, consisting of the combination of the adjustable shoulder-straps A, the adjustable side body-straps, B, secured to straps A, the two-part or forked adjustable leg-straps C, secured to straps B,
10 the stirrups D, secured to the leg-straps, the adjustable knee-straps E, and the handles F

on the leg-straps, and the adjustable back-supporting strap G, secured to and between the side body-straps, all substantially as and for the purpose herein described.

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In witness whereof I have hereunto set my hand.

JOSEPH T. SURBAUGH.

Witnesses:

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C. W. BECKWITH.