Nov. 3, 1936. M. S. MENDENHALL ET AL 2,059,957

OBSTETRIC TABLE

Filed July 12, 1935 3 Sheets-Sheet 1

Fig. 1.

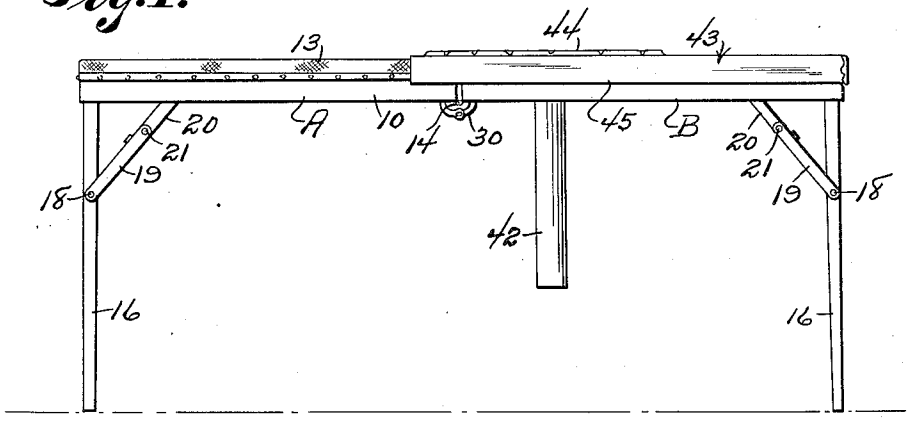


Fig. 2.

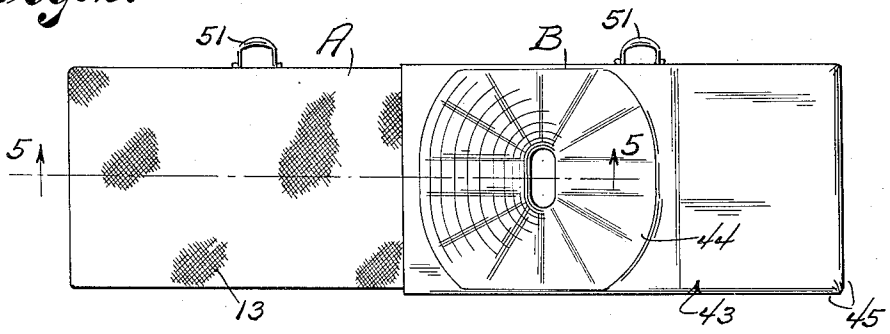


Fig. 3.

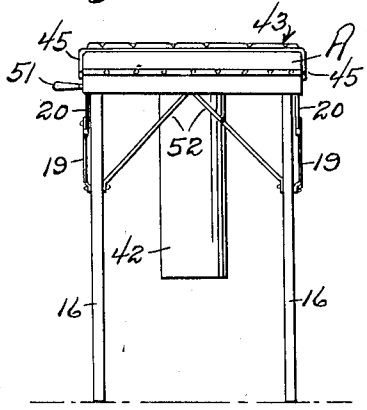
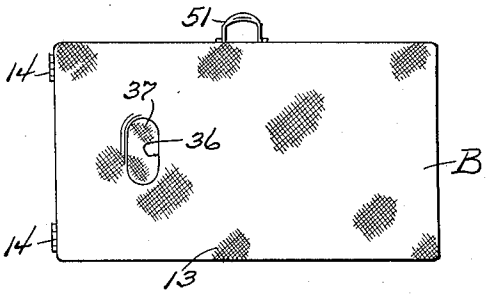


Fig. 4.



Milo S. Mendenhall
Vernon McCorkell
Charles L. Higginbotham
INVENTORS

BY Victor J. Evans & Co.
ATTORNEY

Nov. 3, 1936. M. S. MENDENHALL ET AL 2,059,957

OBSTETRIC TABLE

Filed July 12, 1935 3 Sheets-Sheet 2

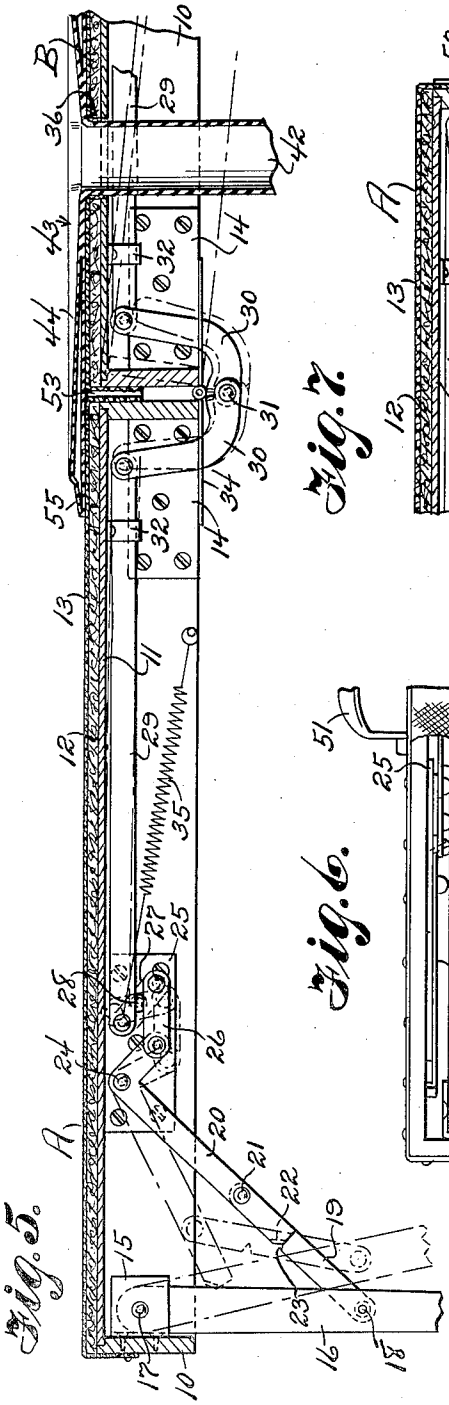


Fig. 5.

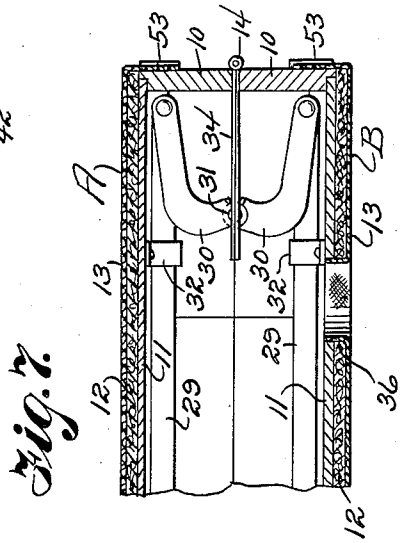


Fig. 7.

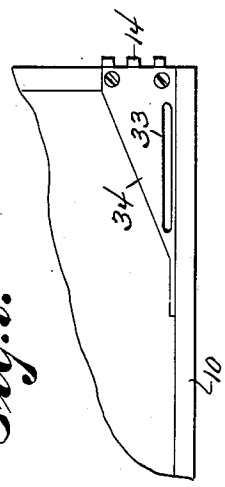


Fig. 8.

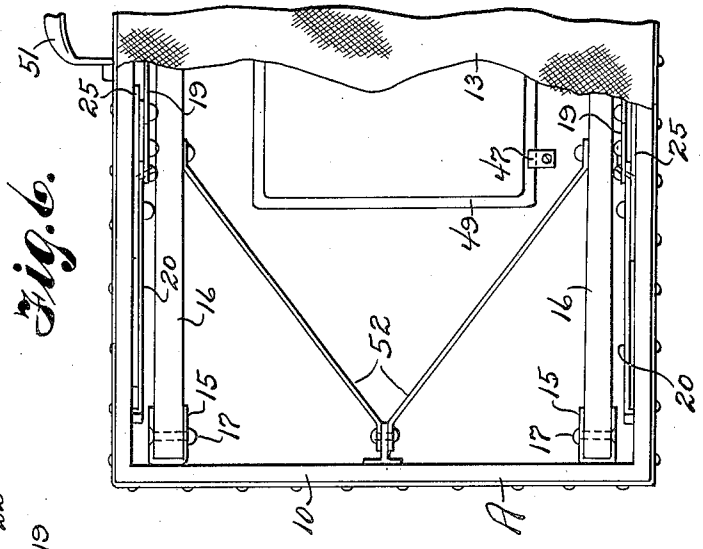


Fig. 6.

Milo S. Mendenhall
Vernon McCorkell
Charles L. Higginbotham
INVENTORS

BY Victor J. Evans & Co.
ATTORNEY

Nov. 3, 1936. M. S. MENDENHALL ET AL 2,059,957

OBSTETRIC TABLE

Filed July 12, 1935 3 Sheets-Sheet 3

Fig. 9.

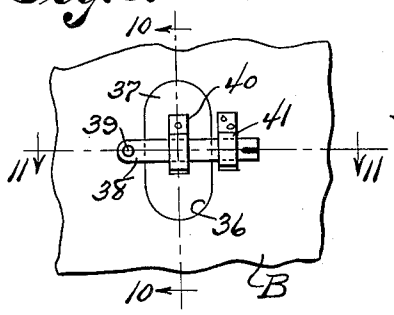


Fig. 10.

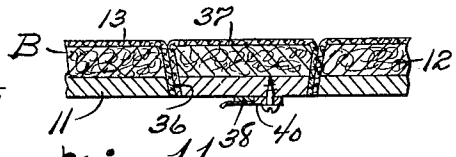


Fig. 11.

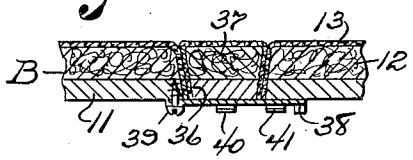


Fig. 12.

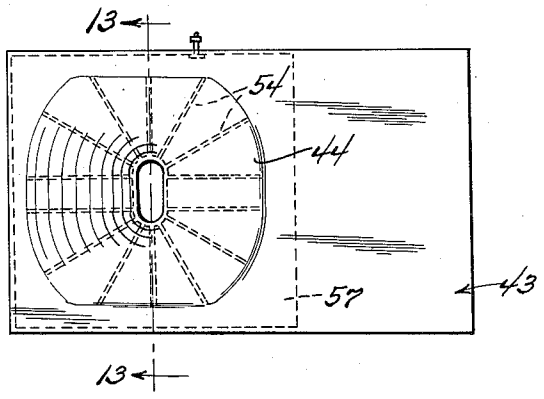


Fig. 13.

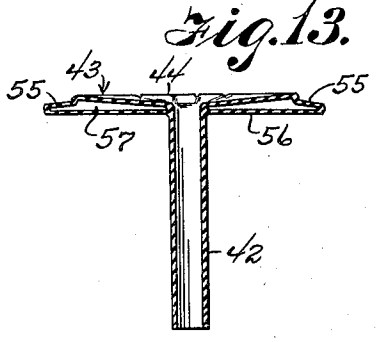


Fig. 14.

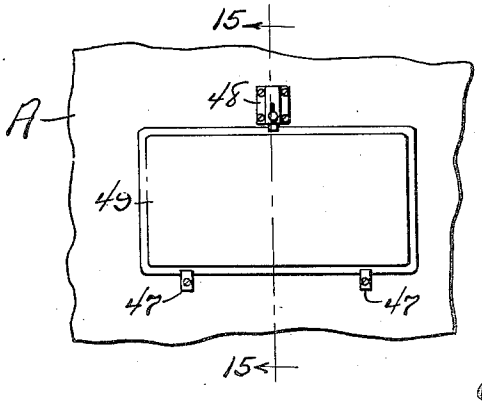
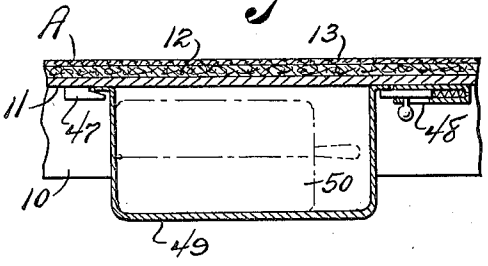


Fig. 15.



Milo S. Mendenhall
Vernon McCorkell
Charles L. Higginbotham
INVENTORS

BY Victor J. Evans & Co.

ATTORNEY

Patented Nov. 3, 1936 2,059,957

UNITED STATES PATENT OFFICE

2,059,957

OBSTETRIC TABLE

Milo S. Mendenhall, Vernon McCorkell, and Charles L. Higginbotham, Seneca, Mo.

Application July 12, 1935, Serial No. 31,128

1 Claim. (Cl. 311—92)

The invention relates to a case forming table and more especially to foldable tables for obstetric work.

The primary object of the invention is the provision of a table of this character, wherein the same when in setup condition enables the carrying forth of obstetric work with dispatch and with ease both on the part of the physician or surgeon and attendant as the table will assure comfort to the patient and better position for both the patient and doctor and allows for the disposition of all waste matter during and after child birth.

Another object of the invention is the provision of a table of this character wherein the same when folded is converted into a carrying case so that it can be carried by a physician or surgeon in a convenient manner and is susceptible of being set up ready for use with dispatch, the legs of the table being folded and unfolded automatically on the opening and closing of such table.

A further object of the invention is the provision of a table of this character, wherein a removable container is fitted so that surgical bag can be conveniently stored and is accessible for the use of the surgical instruments contained therein while the container is adaptable as a wash basin or sterilizing pan when the table is set up for use.

A still further object of the invention is the provision of a table of this character, wherein the construction thereof is novel in form and assures sanitary conditions during child birth and is capable of lending comfort to a patient and also assures the carrying away of excretions or other matter and the deposit thereof in a jar or other receiver, thereby eliminating the presence of filth and avoids the necessary clean-up required after child birth.

A still further object of the invention is the provision of a table of this character, which is comparatively simple in construction, thoroughly reliable and efficient in its purposes, strong, durable, readily and easily folded and unfolded, when folded can be transported without discomfort and with ease and is inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawings, which disclose the preferred embodiment of the invention and pointed out in the claim hereunto appended.

In the accompanying drawings:

Figure 1 is a side elevation of a table constructed in accordance with the invention and set up for use.

Figure 2 is a top plan view thereof.

Figure 3 is an end elevation.

Figure 4 is a side elevation showing the table folded in case form for easy transportation or carriage thereof.

Figure 5 is an enlarged fragmentary vertical longitudinal sectional view through the table when unfolded taken on the line 5—5 of Figure 2 looking in the direction of the arrows showing by full lines the setup condition and by dotted lines progress in the folding thereof.

Figure 6 is a fragmentary side elevation when the table is folded and partly broken away.

Figure 7 is an enlarged fragmentary vertical longitudinal sectional view when the table is completely folded.

Figure 8 is a fragmentary plan view showing in detail one of the hinges employed with the table.

Figure 9 is a fragmentary elevation showing in detail a closure plug for the drain opening in the table.

Figure 10 is a sectional view on the line 10—10 of Figure 9 looking in the direction of the arrows.

Figure 11 is a sectional view on the line 11—11 of Figure 9 looking in the direction of the arrows.

Figure 12 is a plan view of the drain pad employed with the table.

Figure 13 is a sectional view on the line 13—13 of Figure 12 looking in the direction of the arrows.

Figure 14 is a fragmentary elevation showing in detail the surgical bag container or receptacle.

Figure 15 is a sectional view on the line 15—15 of Figure 14 looking in the direction of the arrows.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings in detail, the table comprises complemental top sections A and B, respectively, each made up with a rectangular shaped frame 10 carrying a covering board or panel 11, it being suitably counterseated in the sides and ends of said frame. Upon this board 11 is arranged a padding 12 over which is disposed a covering piece 13, the latter being detachably secured in any suitable manner externally about the frame 10.

The sections A and B are connected together end to end through the medium of strap hinges 14 so that on the folding of these sections the same will create a carrying case and on the unfolding of said sections there will be created a table.

Carried at the outer end of each section A and B are leg brackets 15 swingingly supporting legs 16, these being pivoted at 17 in the brackets for swinging movement. These legs 16 have pivoted at 18 therewith braces each including the mem-

bers 19 and 20, respectively, which are connected by a hinge pivot 21 to provide a break joint brace. The member 20 is provided with a latching nib 22 for engagement in a keeper notch 23 in the member 19 so that the brace will be latched in bracing position when the leg 16 has been unfolded completely on the setting up of the table. The member 20 is in form a bell crank and is pivoted at 24 to a bed plate 25 secured internally of the frame 10. This member 20 has pivotal link connection 26 with a rocking arm 27 which intermediate thereof is supported upon a pivot 28 on the bed plate 25. The arm 27 has pivotal linkage connection 29 with a crank 30, there being a pair of these at each side of the table and these are pivoted at 31 together in straddling relation to the hinge jointed ends of the sections A and B. The linkage connection 29, each is slidably fitted in a guide 32 fixed to and depending from the cover panel or board 11 while the crank 30 plays in a guide slot 33 in the strap portion 34 of the hinge 14 adjacent thereto, the linkage connection 29 being tensioned by a coiled tensioning spring 35 when each leg 16 has been completely unfolded for supporting the table. This arrangement above referred to effects the automatic unfolding of the legs 16 and the folding thereof upon the unfolding and folding of the sections A and B of the table as will be clearly apparent from Figures 5, 6, and 7 of the drawings. The spring 35 has connection with the frame 10 and with the pivotal connection of the arm 27 and the linkage connection 29, respectively.

Provided in the section B close to the hinged end thereof and at the longitudinal center of the same is a substantially elliptical shaped opening 36 this normally being closed by a removable plug 37 held in place by a hasp 38 pivoted at 39 to the section and engageable with a keeper 40 carried by said plug 37, the hasp 38 being also engageable with a keeper 41 on the section as will appear in Figures 9, 10, and 11 of the drawings. This opening 36 when the plug 37 is removed therefrom and the table is set up for use receives a drain spout 42 which is removably inserted therein and is integrally formed with a sanitary pad 43 provided with a buttock seating area 44, the pad 43 being adapted to be superimposed upon the section B and is of a size corresponding thereto with a marginal overlap 45 about opposite sides and the outermost end of said section. The purpose of the spout 42 is to drain excretion and other waste from the buttock area 44 and allow for the deposit thereof in a jar or other receiver so that the table when not in use will be free from accumulation of filth and at the same time the customary clean-up required after child birth is eliminated. The pad 43 with its nozzle 42 can be conveniently stored within the frames 10 when these are folded into case form as will be apparent from Figure 4 of the drawings.

The section A of the table has arranged within its frame 10 and carried by the covering board or panel 11 the stationary cleats 47 and latch 48, respectively, these cooperating for the detachable fastening of a container 49 within the frame 10 of the section A which is adaptable for accommodating a surgical instrument case or bag 50 and upon separation of this container 49 it is serviceable as a wash basin or a sterilizing pan.

The sections A and B are provided with handles 51 which on the folding of said sections are brought together and match with one another so that on converting the table into a carrying case by the folding of said table it can be conveniently carried or transported as the folding of the table renders it portable.

The pairs of legs at the outer ends of the respective frames have located therebetween suitable braces 52 which are mounted to swing with the said legs 16 in the folding and unfolding thereof. These legs 16 when folded will be confined within the frames 10 of the sections A and B when brought together into case creation.

The latch 48 is manually releasable so that the container 49 can be separated from the table for use as a wash basin or sterilizing pan.

The braces including the members 19 and 20 will hold the legs 16 when completely unfolded in fixed supporting position for the sections A and B so that the table will be firm and secure when set up for service.

Hinged ends of the frames 10 of the sections A and B carry bumper members 53 coacting with each other when the sections A and B have been straightened on the unfolding thereof into the same plane with each other.

The table when unfolded is especially serviceable for obstetrical operations and assures comfort to a patient and also convenience to the attending physician or surgeon and attendants, the table being readily folded and unfolded with dispatch and in the folding and unfolding the legs will be automatically folded and unfolded through the movements of the sections A and B. The table assures maximum sanitary conditions and also permits of the carrying away of filth and waste during obstetric performance.

This pad 43 at the seating area 44 has formed therewith radially disposed ribs 54 while marginally of said pad is a doubled portion 55 and bounding the portion 44 is a lining 56 which is marginally attached by adhesive, vulcanization or the like to form air cushion areas 57 which may be inflated in any suitable manner and such areas give greater ease for the patient and comfort in the servicing of the table.

What is claimed is:

A structure of the character described comprising complemental top sections each including a rectangular shaped frame and a covering board thereon, hinges connecting the frames to each other at ends adjacent one another for the swinging thereof in a carrying case folded condition, legs pivoted in the frames at the outer ends thereof, cranks arranged in the respective frames at opposite sides of the same and pivoted to each other in pairs for straddling the pivotally connected ends of said frames, break jointed braces pivoted to the legs and to the sides of said frames, rocking levers pivoted to the sides of the frames next to the braces, links connecting said rocking levers with the braces and said cranks, respectively, and coiled tensioning springs fixed to the sides of the frames between the rocking levers and to the connections of the latter with the links connected with said cranks.

MILO S. MENDENHALL.
VERNON McCORKELL.
CHARLES L. HIGGINBOTHAM.