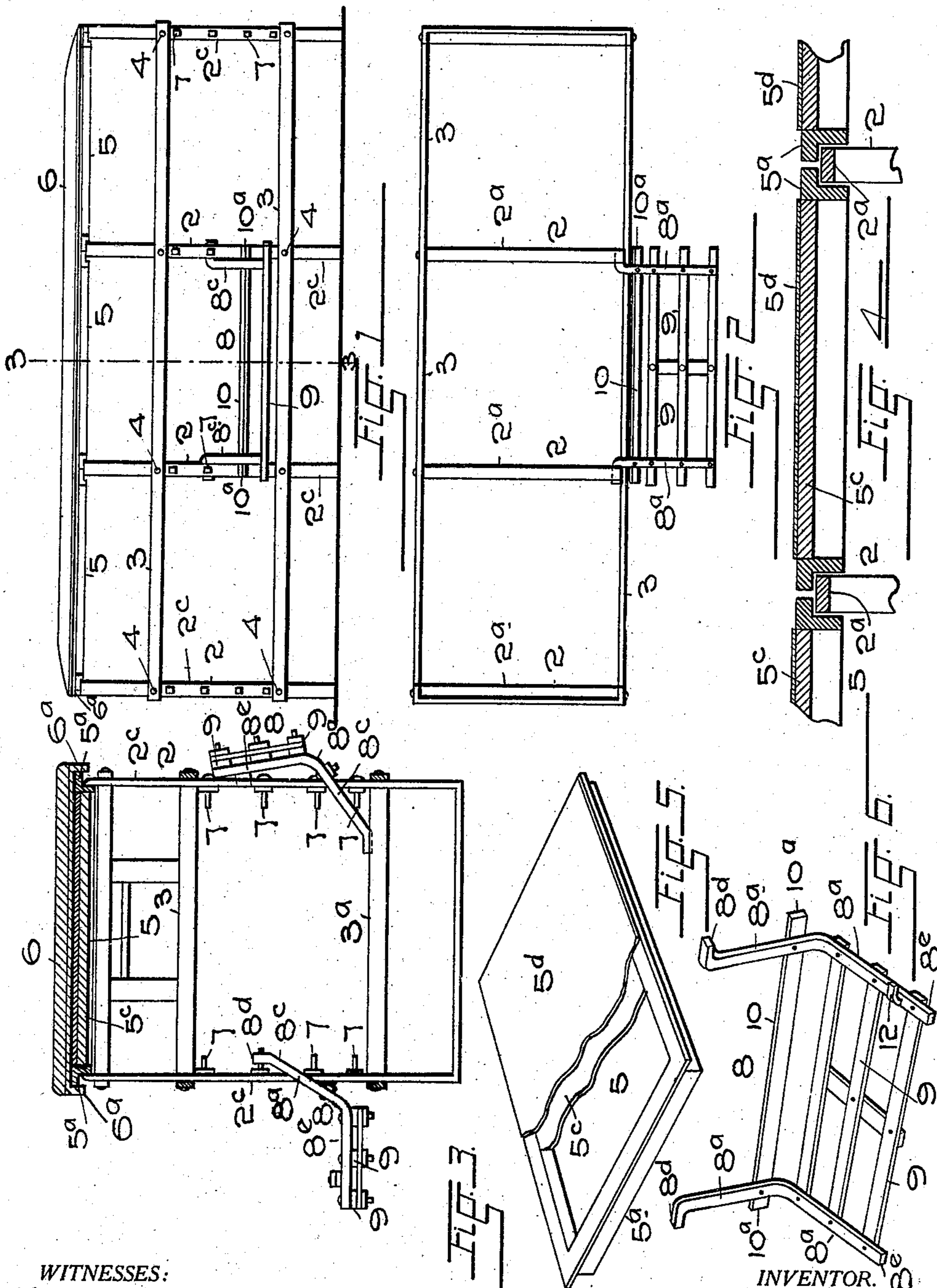


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OPERATING TABLE.

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915,833.

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OPERATING-TABLE.

No. 915,833.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE R. DE NISE, citizen of the United States of America, residing at Denver, in the county of Denver and State of Colorado, have invented certain new and useful Improvements in Operating-Tables, of which the following is a specification.

This invention relates to certain new and useful improvements in operating tables, and its object is to provide a table adapted for the use of physicians, surgeons and osteopaths, in which simplicity of construction is combined with strength, durability and practicability in use, which renders each portion of the body of the patient reclining upon its surface, accessible to the operator, and which is provided with an adjustable bench for the purpose of facilitating the performance of certain operations and manipulations upon the patient's body, as will hereinafter be described. I attain these objects by the mechanism illustrated in the accompanying drawings, in the various views of which like parts are similarly designated and in which—

Figure 1—represents a side elevation of the operating table. Fig. 2—a plan view thereof, the detachable top-portions being omitted, Fig. 3—a vertical, transverse section taken along a line 3—3, Fig. 1, Fig. 4—an enlarged fragmentary, longitudinal section through the upper portion of the table, showing the position of the slidable top-sections, Fig. 5—a perspective view of one of the latter, and Fig. 6—a perspective view of the adjustable step or platform used in performing certain operations and manipulations.

My operating table is composed of four, vertical, parallel, rectangular, supporting frames 2, connected by two horizontally disposed, rectangular frames 3, which are secured upon the outer surface of the perpendicular portions of the frames 2, intermediate their upper and lower ends, by bolts or rivets 4.

Slidably mounted, intermediate of, and upon each pair of the parallel upper portions 2^a of the frames 2, are the top sections or slides 5, shown in detail in Fig. 5, which collectively, provide a horizontal surface upon which the patient reclines while undergoing an operation. Each section is composed of a rectangular frame 5^a preferably made of angle iron, in which is secured a correspondingly shaped board 5^c, which may be covered

by a sheet 5^d, of rubber, felt, or other flexible material. When placed upon the frames 2 of the structure, the horizontal flanges of the frames 5^a, engage the upper surfaces of the parallel upper members 2^a of the supporting frames, so as to be slidable in a lateral direction.

To adapt the table for use in operations in the performance of which the removable sections are not needed, I provide a top 6, upholstered like the tops of operating tables now in common use, and provided with a depending flange 6^a, formed to surround the upper portions of the supporting frames 2, of the table.

The vertical portions 2^c, of the frames 2 are provided with a plurality of inwardly extending bolts or pins 7, which, in practice, are employed to support a step or bench 8, by means of which the person who performs the operation or manipulation upon the body of the patient reclining upon the table, may raise himself so as to be able to reach over the reclining person, or, as is required in many osteopathic treatments, to reach a position from where he can exert the maximum force upon those parts of the patient's body which he desires to manipulate.

The step 8 is composed of two parallel, angularly bent bars 8^a, the, in practice, upwardly ranging portions 8^c of which terminate in outwardly extending horns 8^d, while their, in practice, horizontal parts 8^e are connected by a plurality of parallel bars 9, which together form the supporting platform upon which the operator stands. The portions 8^c of the angular bars 8^a are connected, in proximity to the latter's bends, with a bar 10, whose extremities 10^a extend beyond the said portions, in parallel relation to the horns 8^d. To place the step in position on the table, the bars 8^a are projected from the outside, in between the vertical members of two of the equidistantly arranged frames 2, comprised in the table structure, after which the horns are brought in engagement with two of the pins or bolts 7 of equal elevation, while the extremities 10^a of the connecting bar 10 are brought to bear against the outer surface of the said members to coöperatively secure the step which when thus arranged, provides an adequate support for the operator, as is illustrated in Figs. 1, 2 and 3, of the drawings. When the step is not in use it may be held in place upon the members 2^c of the supports 2, by bringing its, in practice, horizon-

tal portion in juxtaposition to the said members, as is shown in Fig. 3, of the drawings, in which position it is retained by the use of a button 12, which being pivotally secured upon one of the bars 8^a, is brought in engagement with the inner surface of the adjacent support 2.

To relieve ailments by manipulation of the affected parts, the operator by raising himself to any desired elevation by means of the adjustable step, will be enabled to exert his strength in a manner most beneficial to the patient, while the sliding sections which compose the top of the table, are of great assistance to osteopaths and physicians in rendering the entire body of the patient accessible for examination or manipulation, and are especially adapted for use in surgical operations and particularly in immobilizing joints by splints, plaster casts or stiffened bandages. Instead of being obliged to raise the patient's body by any of the various mechanical means heretofore employed to the discomfort of both the patient and the surgeon, the latter, by removing the slide beneath the affected part is now enabled to reach every portion of the member without disturbing the position of the patient.

Having thus described my invention what I claim and desire to protect by Letters Patent is:—

1. In combination, an operating table including a plurality of equidistant, vertical

supports, and a step or bench adapted to be secured intermediate any two adjoining supports at any one of a plurality of pre-determined elevations.

2. An operating table comprising a base portion composed of interconnected, parallel, vertical, supporting frames and a deck composed of a series of successive sections laterally-slidably supported in between and upon each two adjoining frames.

3. In an operating table the combination with a deck of equidistant, vertical supports having inwardly projecting bearings and a horizontal step having opposite stops arranged to engage the outer surfaces of two adjoining supports, and upwardly extending arms adapted to simultaneously engage the bearings on the said supports so as to suspend the said step therefrom.

4. An operating table comprising a base portion composed of parallel, vertical supporting frames, connected at a distance below their upper extremities so as to leave an unobstructed space between the same, and a deck composed of a series of successive sections removably supported upon the said extremities.

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

GEORGE R. DE NISE.

Witnesses:

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