

W. O. GALBREATH.
 OPERATING TABLE FOR OSTEOPATHIC TREATMENT.
 APPLICATION FILED APR. 6, 1909.

933,170.

Patented Sept. 7, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

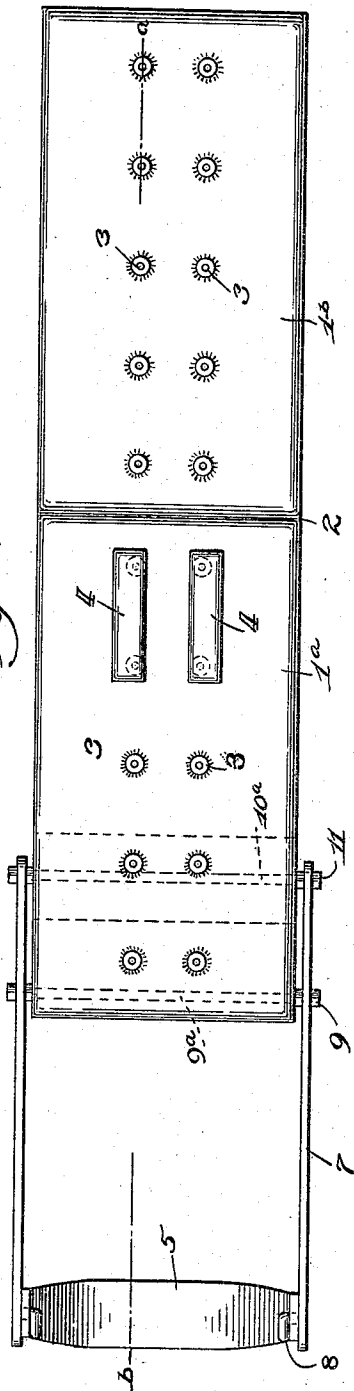


Fig. 3.

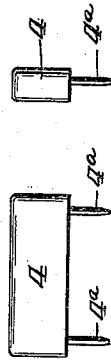
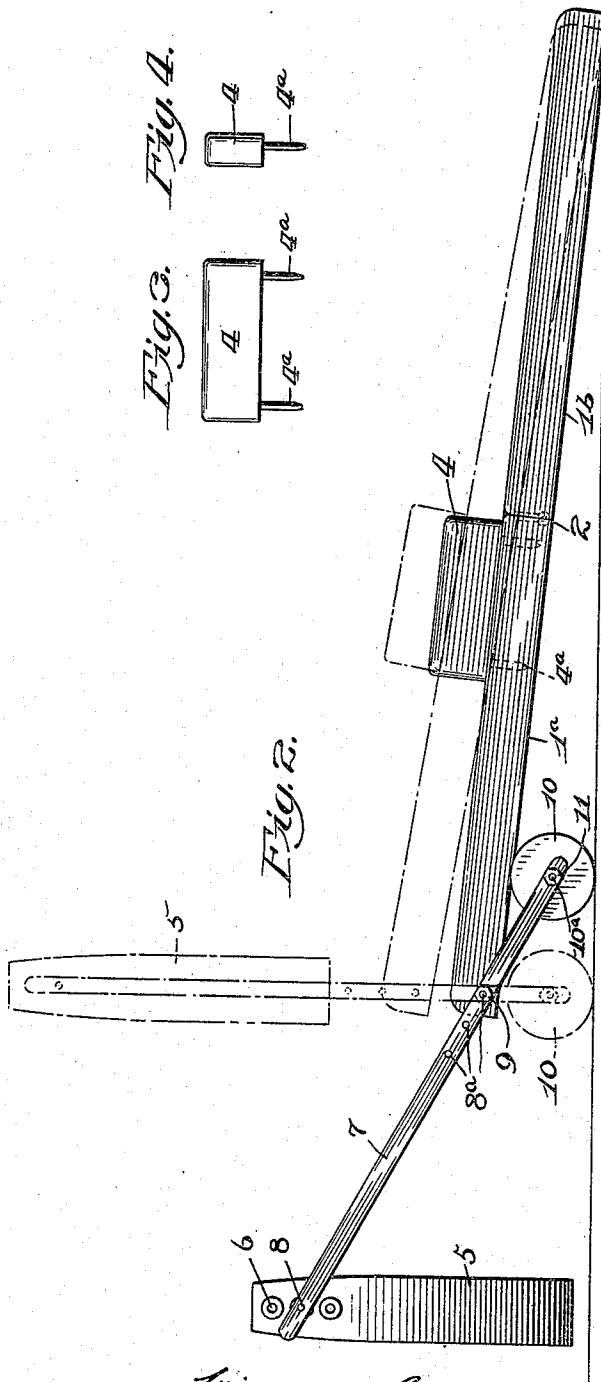


Fig. 2.



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Fig. 5.

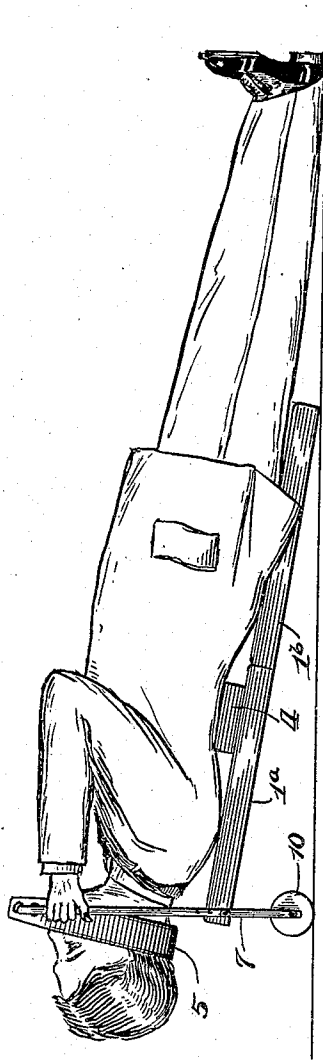


Fig. 7.

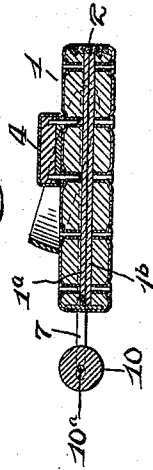
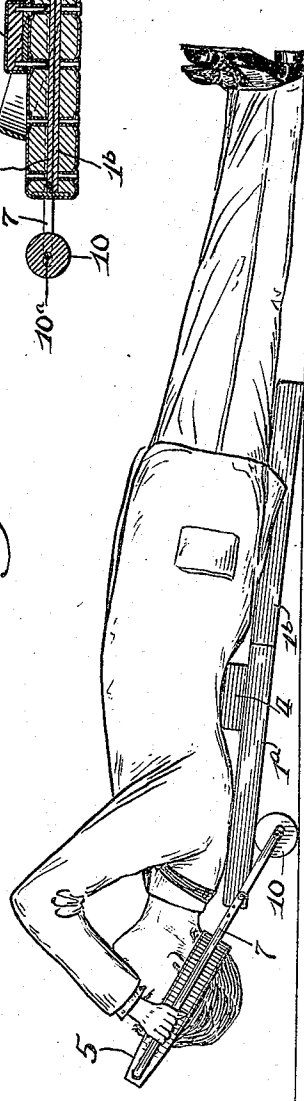


Fig. 6.



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UNITED STATES PATENT OFFICE.

WILLIAM OTIS GALBREATH, OF PHILADELPHIA, PENNSYLVANIA.

OPERATING-TABLE FOR OSTEOPATHIC TREATMENT.

933,170.

Specification of Letters Patent.

Patented Sept. 7, 1909.

Application filed April 6, 1909. Serial No. 488,209.

To all whom it may concern:

Be it known that I, WILLIAM OTIS GALBREATH, citizen of the United States, residing in city of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Operating-Tables for Osteopathic Treatment, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention has for its object to provide an operating table of such character as will enable the effective and convenient administration to a patient recumbent thereon the physical treatment usual in the practice of osteopathy and other alleged sciences that depend upon mechanical manipulation for therapeutic results; and to that end my invention consists of an operating table having the characteristic features of construction and mode of operation hereinafter described, the novel features of the device, both elementally and in combination being pointed out in the appended claims.

In the accompanying drawings illustrating my invention:—Figure 1 is a plan view of the device, in distended position; Fig. 2 a side elevation of the same, showing also in dotted lines the initial position of the head rest. Figs. 3 and 4 are side and end elevations, respectively, of removable parts. Fig. 5 is a diagrammatic side elevation of the device in initial position, and Fig. 6 a like view in distended position of the head rest. Fig. 7 is a longitudinal section of the device, through line *a—b* of Fig. 1, but with the parts in folded position.

Referring now to said drawings, the support for the body or trunk of the patient is a flat board of a suitable length and width, relatively to that of a human body, as indicated in the several figures. It is preferably covered on its upper surface with a padded cover as indicated at 1 in Fig. 7, and preferably constructed in two parts or sections of about equal length, indicated at 1^a, 1^b; the parts being hinged together as at 2 in order that the end section 1^a may be folded under the forward section 1, as shown in Fig. 7, for convenience of transportation or for occupying less room when not in use.

At various points in the length of the body support 1^a, 1^b, and about the longitudinal center thereof, are two rows of parallel apertures, indicated at 3 in Fig. 1, in any

contiguous two of which, a removable supporting piece 4 is detachably placed, in lengthwise position. These supporting pieces 4 are provided with pins 4^a (see Figs. 3 and 4) which enter the apertures in the body rest 1^a, 1^b, and it will be observed that a pair of these supporting pieces, placed as indicated in the several figures, will be brought under the trunk of the patient and on each side of the spinal column, for the purpose hereinafter mentioned.

It is essential that the device shall have a movable head rest and also that the body rest or table 1^a, 1^b, shall be movable into a slightly inclined position from the forward to the rearward end. The head rest indicated at 5 is a flexible strap, preferably made of soft leather, with a plurality of eyeleted apertures 6 at each end (see Fig. 2) and of considerable length so that it will sag to as much as a semi-circle between its end supports to conveniently and effectively support and hold the head of the patient in the region of the upper part of his neck. The supports for the opposite ends of the flexible head rest consist of a pair of movable metallic arms 7 on the free end of which is an inwardly projecting short hook 8 adapted to enter any one of the eyeleted apertures 6 in the strap 5 to shorten or lengthen the head support. These metallic arms 7, 7, are apertured at several places, as indicated at 8^a, 8^a, 8^a, to receive a bearing bolt and nut 9, in any one of them, to give said arms a pivotal bearing; the bolt entering and passing through a suitable recess 9^a extending transversely through the section 1 of the body rest (see Fig. 1). Between the shorter ends of the two metallic arms, and hence disposed beneath the section 1^a of the body rest, is mounted a roller 10 the axle of which, at each end thereof, enters a recess 10^a in end of each arm 7 and is held in place therein by a nut 11 in such manner as to give a pivotal bearing for said arm and roller.

The operation is as follows:—The device being placed in initial operative position, as shown in Fig. 5, with the head-supporting strap adjusted to suitable length, the removable back-supporting piece 4 located in suitable apertures in the body support, and the arc of movement of the actuating metallic arms 7 adjusted as aforesaid, the patient is placed in position as shown in Fig. 1; whereupon a gradual movement of the roller inwardly will tend to decrease the incline of

the body rest 1^a, 1^b, moving the body of the patient over the back-supporting pieces, moving the flexible head rest outwardly and exercising the muscles and extending the neck of the patient; said effects being repeated by reversing the direction of movement of the roller and repeating the original direction of movement.

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

1. An operating table of the class recited comprising a horizontally-disposed supporting member for the body, a transversely-disposed roller beneath the same, and journal bearings therefor consisting of a pair of vertically-disposed arms with means to pivotally support the same on the opposite sides of the body-supporting member.

2. An operating table of the class recited comprising a horizontally-disposed supporting member for the body, a transversely-disposed roller beneath the same, adjustable journal bearings therefor, consisting of a pair of vertically-disposed arms with means to pivotally support the same on the opposite sides of the body-supporting member.

3. An operating table of the class recited comprising a horizontally-disposed supporting member for the body, a transversely-disposed roller beneath the same, journal bearings therefor consisting of a pair of vertically-disposed arms with means to pivotally support the same on the opposite sides of the body supporting member, and a head rest consisting of a flexible band having its oppo-

site ends attached to the free ends of said vertically-disposed arm.

4. An operating table of the class recited comprising a horizontally-disposed supporting member for the body, a transversely-disposed roller beneath the same, journal bearings therefor consisting of a pair of vertically-disposed arms with means to pivotally support the same on the opposite sides of the body-supporting member, and a head rest consisting of a flexible band with means to adjustably attach its opposite ends to the free ends of said vertically-disposed arms.

5. An operating table of the class recited comprising a horizontally-disposed supporting member for the body, the upper surface of which is suitably apertured, a supplemental body-supporting member adapted to be detachably mounted in any of such apertures, a transversely-disposed roller beneath the main body-supporting member, journal bearings for said roller consisting of a pair of vertically-disposed arms with means to pivotally connect the same with opposite sides of the main body-supporting member, and means providing a movable head-rest operatively mounted between the free ends of said vertically-disposed arms.

In testimony whereof, I have hereunto affixed my signature this 29th day of March A. D. 1909.

WILLIAM OTIS GALBREATH.

Witnesses:

A. M. BIDDLE,
R. A. DUNLAP.