No. 817,634. PATENTED APR. 10, 1906.

V. A. FAGERSTROM.

TABLE.

APPLICATION FILED OCT. 21, 1905.

2 SHEETS—SHEET 1.

Fig. 1.

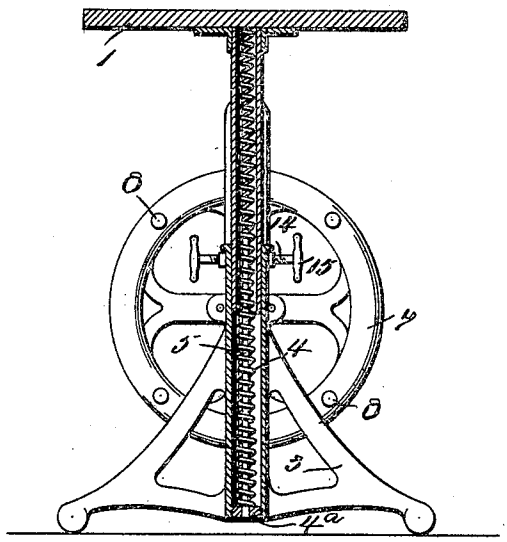
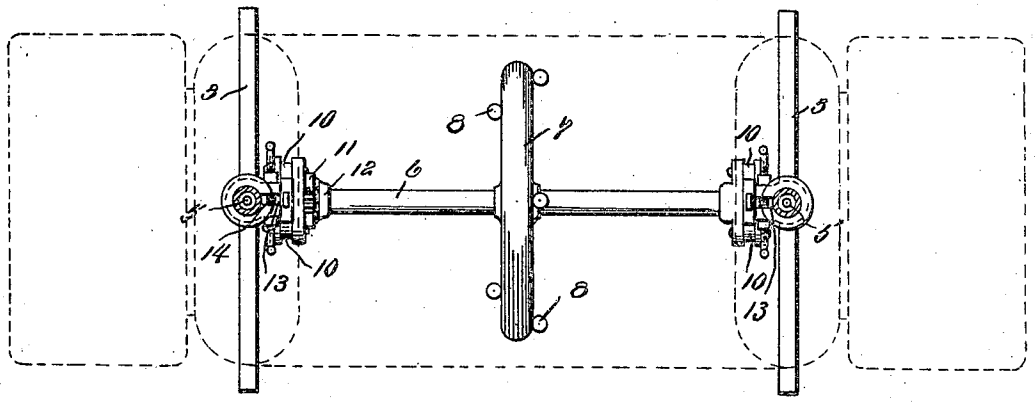


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 2.

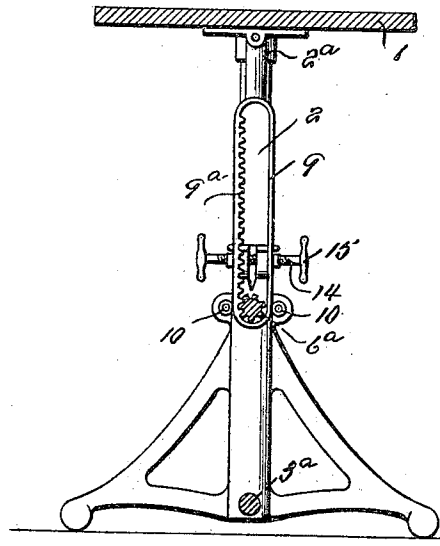
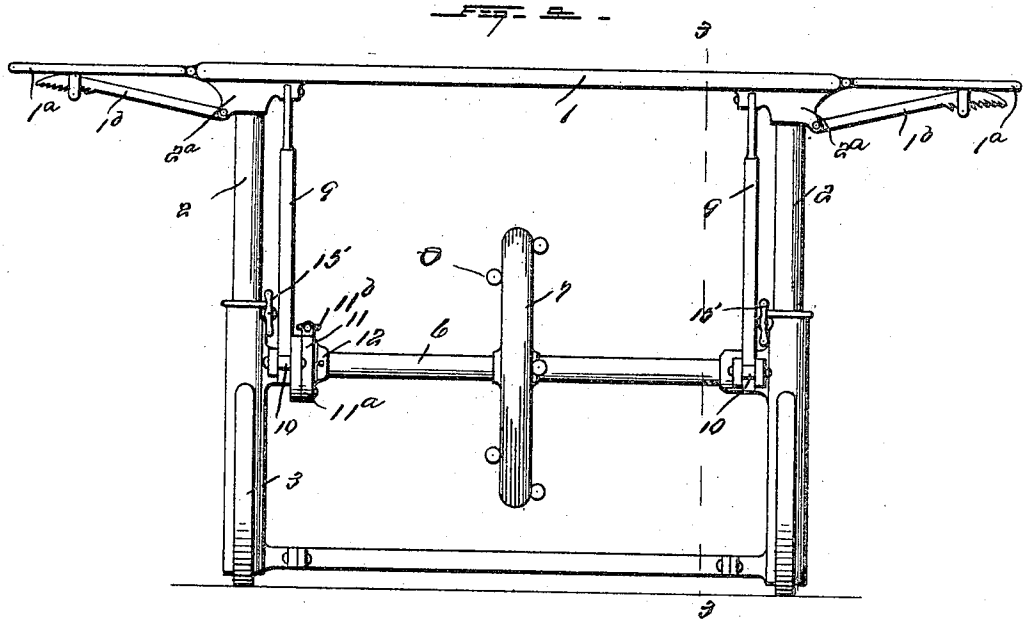


Fig. 3.



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TABLE.

No. 817,634. Specification of Letters Patent. Patented April 10, 1906.

Application filed October 21, 1905. Serial No. 283,796.

To all whom it may concern:

Be it known that I, VICTOR A. FAGERSTROM, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented new and useful Improvements in Tables, of which the following is a specification.

This invention is a vertically-adjustable table particularly adapted and intended for the use of physicians and surgeons.

The object of the invention is to form a simple and strong table having novel means for adjusting the same vertically to put the table-top at various heights, the construction being such that the adjustment may be effected by either hand or foot.

In the accompanying drawings, wherein the invention is illustrated, Figure 1 is an end elevation, partly in section, of the table. Fig. 2 is a plan of the under frame or body of the table with the top removed. Fig. 3 is a sectional elevation on the line 3 3 of Fig. 4. Fig. 4 is a side elevation of the table.

Referring specifically to the drawings, 1 indicates the table-top, to the ends of which are hinged extension-leaves 1^a, supported by brackets 1^b. This top for physicians' use may be upholstered or for surgeons' or operating uses may be enameled or made of glass plates. It is supported at each end by a tubular standard 2, connected at the top to a fitting 2^a, to which also the bracket-arm 1^b is pivoted and the lifting-link 9 attached. The lower ends of the standards 2 fit in the tubular parts of the base or foot-pieces 3, which are connected and strengthened at the bottom by a cross-bar 3^a. Within each standard 2 and the tubular part of the foot-piece is a coiled spring 4, which is in compression between the table-top and a plug 4^a at the lower end of the tube. The spring is coiled around a guide-rod 5, projecting upwardly from the plug. To bind the parts at adjustment, the tube of each foot-piece is split at the top, as at 13, and has threaded ears through which extends a binding-screw 14, having handles 15 on opposite sides.

Extending across under the table between the foot-pieces is a shaft 6, having a wheel 7 provided with knobs 8, which may be moved either by hand or foot to turn the shaft. The shaft is mounted at its ends in bearings on the foot-pieces and has pinions 6^a, which mesh with internal racks 9^a in links 9, which are connected at the top, as said before, to the fittings 2^a. The links are guided and held in their movement by rollers 10, which are supported on the foot-pieces on opposite sides of the links, which move up and down therebetween. To prevent too rapid movement of the table either up or down, a brake is provided consisting of a strap 11, secured at 11^a to a part of one of the foot-pieces and extending around a drum 12 on the shaft 6. The strap is split and may be tightened by a screw 11^b to give the necessary friction.

The springs 4 in the standards tend to lift the table-top. Adjustment is effected by loosening the screws 14 and turning the wheel 7. This raises or lowers the top by means of the rack-and-pinion connections. Sudden or too rapid lift or drop is prevented by the brake. If it were not for the brake, the table when empty would be apt to spring up quickly or when occupied would be apt to drop suddenly to the discomfiture of the patient. When set at desired height, the parts are fixed by tightening the screws 14.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, in an adjustable table, of foot-pieces having upright tubes and guide-rollers located between said tubes, standards depending from the table-top and slidable in the tubes, a shaft mounted at its ends in bearings on the tubes and carrying pinions, and links depending from the table-top and between the guide-rollers and having racks engaging the pinions.

2. In a table, the combination with a base, and a vertically-adjustable top thereon, of a shaft journaled at its ends on the base and having operative connections with the table-top, to raise or lower the same, a drum on the shaft near one end thereof, and a split brake-strap fixed to the base and extending around the drum, and a screw connecting the ends of the strap, to adjust the friction thereof against the drum.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

VICTOR A. FAGERSTROM

Witnesses:

CARL S. GUSTAFSON,

JOHAN ERIK LARSSON.