

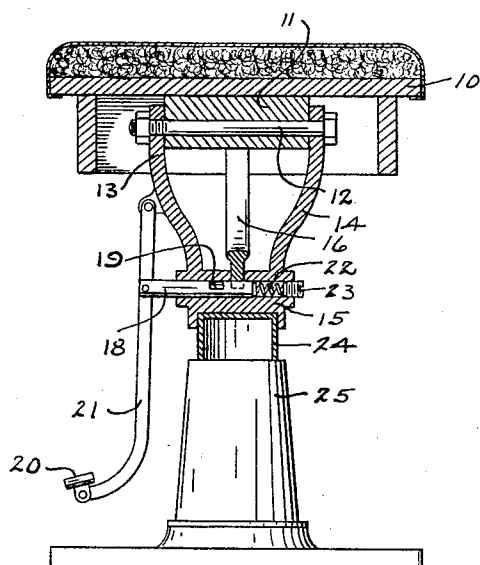
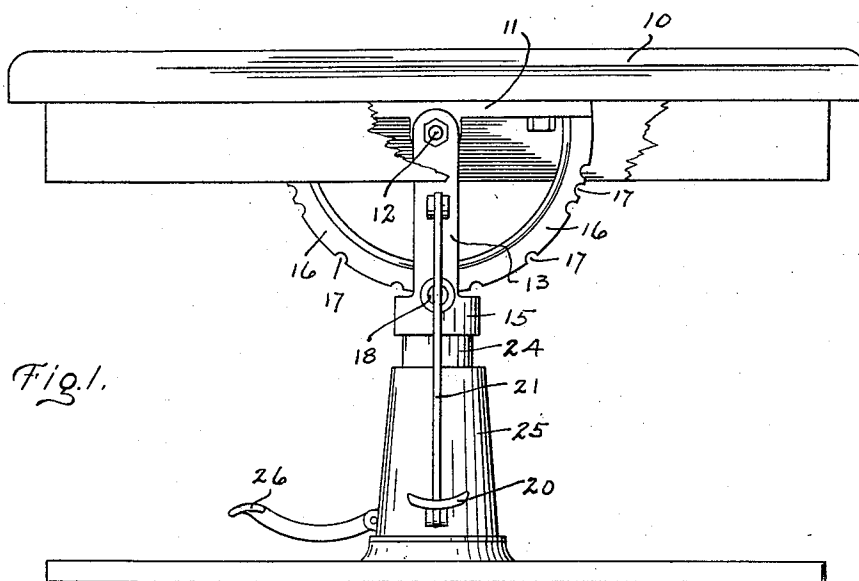
Feb. 10, 1931.

H. S. ALLISON

1,792,209

TILTING TABLE

Filed Feb. 24, 1930



INVENTOR,
Harry S. Allison,
By *Minturn & Minturn,*
Attorneys.

UNITED STATES PATENT OFFICE

HARRY S. ALLISON, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO W. D. ALLISON COMPANY, OF INDIANAPOLIS, INDIANA, A CORPORATION OF INDIANA

TILTING TABLE

Original application filed April 20, 1927, Serial No. 185,132. Divided and this application filed February 24, 1930. Serial No. 430,737.

This invention is a division from my application filed April 20, 1927, Serial No. 185,132, and relates to a physician's and surgeon's examining table adapted to be tilted in a vertical plane about a base at any angle of horizontal rotation therearound.

An important object of the invention resides in the means for holding the table top at selected positions as it may be tilted. Another object resides in the provision of foot operable means for releasing the holding means so that the operator's hands will not have to be employed in operating the mechanism.

These and other objects will become apparent in the following description of the invention as illustrated by the accompanying drawing, in which—

Fig. 1, is a fragmentary side elevation of a table embodying my invention; and

Fig. 2, a partial transverse section through the table on the line 2—2 in Fig. 1.

Like characters of reference indicate like parts throughout the several views in the drawing.

To the under side of the table 10, I secure a plate 11 which is rockably carried by the bolt 12 between the arms 13 and 14 projecting upwardly from the head 15 whereby the table 10 may be rocked in a vertical plane.

A semi-circular casting or sector 16 is fixed by its end to the plate 11 to hang downwardly between the arms 13 and 14 and has a plurality of notches 17 extending transversely across its outer periphery. The sector 16 slidably passes through a slot cut across the upper side of the head 15 to extend to within and across a bore in which a bolt 18 slides. Normally, the bolt 18 is carried within the bore to pass through one of the notches 17 in the sector 16 so that the sector may not move.

The bolt 18 is provided with a notch 19 transversely across its upper side at a distance from the inner end which passes through the sector notch. The notch 19 is of sufficient width and depth that, when the bolt 18 is moved longitudinally, the notch may be brought within the path of the sector 16 to permit the sector to move thereover. The

bolt 18 is carried to that position by means of pressing on the foot pedal 20 at the lower end of the lever 21 which has its upper end pivoted to the arm 13 and which also pivotally engages the outer end of the bolt 18.

The bolt 18 is returned to its normal position by the spring 22 compressively carried within the bore in which the bolt slides between the end of the bolt and the screw 23 which screw-threadedly engages within the end of the bore. The head 15 is carried on the plunger 24 revolvably in and vertically extendible from the base 25 to permit horizontal rotation of the table 10 as well as vertical elevation through operation by the foot pedal 26. The detailed construction of the inter-connecting mechanism between the pedal 26 and the plunger 24, is not here shown and does not form a part of my invention, being well known to those versed in the art.

I claim:

1. The combination of a head having a slot across its upper side, an arm extending upwardly from the head, a table pivotally attached to the arm to rock in a vertical plane, a sector fixed to the table and entering said slot, said sector having notches transversely across its periphery, a bolt slidably carried by the head transversely across said slot and parallel to said sector notches, said bolt having a top side notch adapted to register with said head slot at a certain position of the bolt to permit the sector to pass therethrough to be rocked, means for normally holding the bolt in position to engage a notch of the sector, and manually operated means for moving the bolt out of said engagement.

2. The combination of a head having a pair of upwardly extending arms and a slot between the arms, a table, a bracket attached to the under side of the table and pivotally secured between the arms of said pair, a sector fixed to the bracket and entering the slot between the arms having notches across its periphery presented in the slot, a bolt slidably carried by the head and passing through the slot and through one of the notches in the sector, said bolt having a top side notch to register with the slot at one position of the bolt

to permit the sector to be rocked, a spring to
move the bolt longitudinally to a normal
locking position, a foot lever pivoted by its
upper end to one of said arms and at a point
5 removed therefrom to the bolt.

In testimony whereof I affix my signature.

HARRY S. ALLISON.

10

15

20

25

30

35

40

45

50

55

60

65