

1,401,639.

Patented Dec. 27, 1921.
2 SHEETS—SHEET 1.

Fig. 1.

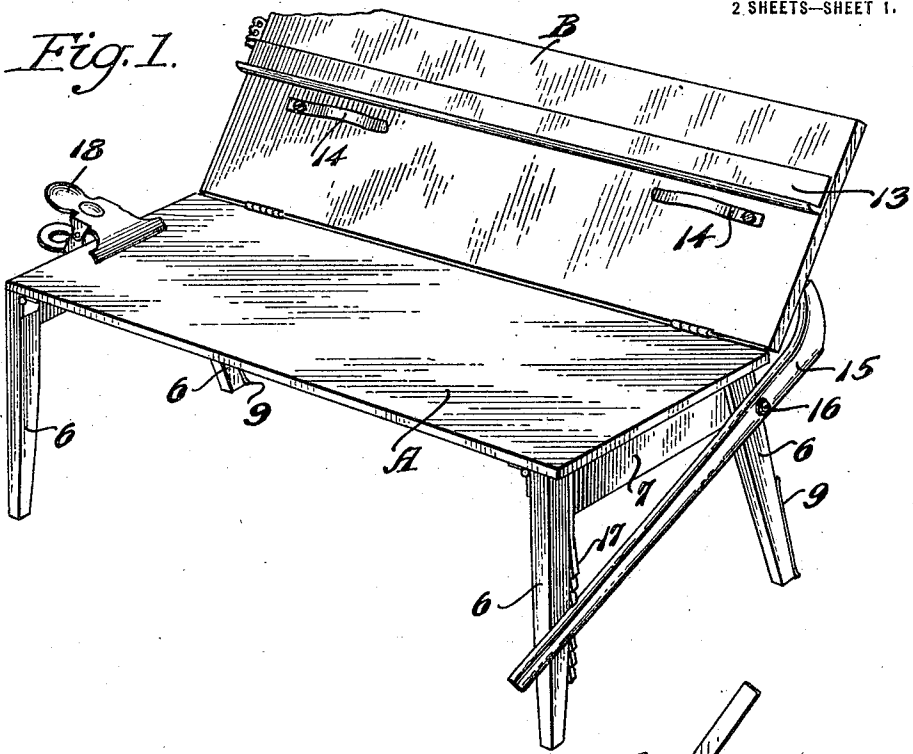
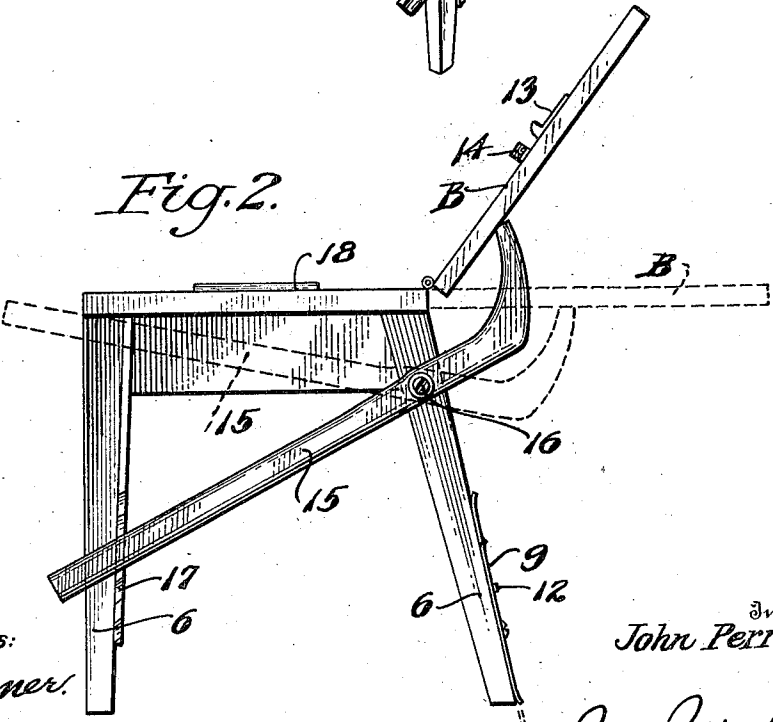


Fig. 2.



Witness:
W. Wagner.

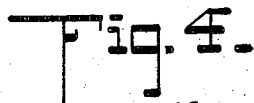
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334

1,401,639.

Fig. 3.



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UNITED STATES PATENT OFFICE.

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INVALID-TABLE.

1,401,639.

Specification of Letters Patent.

Patented Dec. 27, 1921.

Application filed January 31, 1921. Serial No. 441,376.

To all whom it may concern:

Be it known that I, JOHN PERRON, a citizen of the United States, residing at Salem, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Invalid-Tables, of which the following is a specification.

My invention relates to table constructions and has particularly to do with that type of table generally known as an invalid table or bed table.

The object of my invention is to provide a novel arrangement whereby the folding legs of the table may be positively locked in extended and folded positions, and the table itself as well as its extension leaf may be adjusted to any angle desired. It is an additional object of my invention to provide a means for supporting the leaf of the table in adjusted position, the adjustment being controlled by a means conveniently located at the front of the table within reach of the patient.

These and such other objects as may hereinafter appear are attained by the novel construction, combination and arrangement of parts to be hereinafter specifically described and claimed. Reference will now be had to the accompanying drawings forming a part of this specification, wherein:

Figure 1 is a perspective view of my table.

Fig. 2 is an end elevation, the dotted lines showing the leaf support and the leaf in horizontal adjustment.

Fig. 3 is a front elevation.

Fig. 4 is a bottom view of the table in folded position.

Fig. 5 is a detailed view of the leg extension means.

Throughout the following detailed description and on the several figures of the drawings, similar parts are referred to by like reference characters:

The table proper is represented by the letter A and comprises the usual flat bed. Hingeably connected to the under side of the bed are legs 6.

Intermediate said legs 6 which diverge, the back members being inclined outwardly for purposes to become apparent hereafter is a cross member 7.

The legs are arranged to fold inwardly and cleats 8 pivotally connected to the un-

der side of the table bed are arranged to swing over the folded legs to hold them in folded position. When extended the free end of said cleats 8 engage the supports 7 whereby the leg members are rigidly locked.

Upon the back legs are arranged extension members 9 best shown in Fig. 5. These members comprise flat pieces pivotally connected at 10 to the table legs 6, unequally distant from the opposite ends of the member 9. Equi-distant, and upon opposite sides of the pivotal connection 10 the extension members are apertured as indicated by the ordinal 11. A projecting pin 12 is carried by the legs 6 and arranged so that when the member 9 is either in extended position or in folded position it will engage in one of the apertures 11 to hold it against displacement. For the purpose of expediting a change from folded to extended position or vice versa, the ends of the extension member 9 are preferably curved outwardly. Whether the extension members are metal or wood is immaterial but the connective means 10 should hold said member in frictional engagement with the leg when in adjusted position.

It will be noted that when the legs are in folded position the free end of the back legs cross whereby to form a convenient means for carrying the table. This feature is best shown in Fig. 4.

A leaf designated by the letter B and having a card rest or rail 13 integral or attached thereto and book holders 14 is hingeably connected at the back edge of the table bed. Each of the book holders 14 shown may be positioned at any convenient points upon the leaf and may comprise spring members pivotally connected at one end and having their free ends in frictional engagement with the leaf.

The hinge connections of the leaf admit of the latter being folded over and upon the table bed when not in use. A leaf supporting member 15 comprising an arm pivotally connected at 16 to the rear legs 6 of the table will support the table leaf B in horizontal alinement to the table bed when the longer end of said leaf supporting member 15 engages the under side of the table bed, as best shown in the dotted lines in Fig. 2. By this

means the upper flat surface of the table bed may be increased to include the entire surface of the leaf B.

A number of notches 17 are arranged upon the front leg 6 of the table so that when the longer end of the support 15, which end may for purposes of convenience project beyond the edge of the table, is pushed downwardly, it will engage therewith and be held against upward displacement. The other end of the support 15 which engages the under side of the leaf D will of course be moved upwardly causing the leaf B to be inclined with respect to the table bed, the limit of the inclination being controlled by the number of notches 17. To release the leaf or to return the leaf 17 to horizontal position or to a less sharply inclined position the free end of the member 16 is lifted outwardly and raised to the desired adjustment. The weight of the leaf B of course will cause it to follow and keep in engagement with the other end of the support 15. Under no condition, however, can the leaf be inclined below the horizontal because of the engagement of the longer end of 15 with the under side of the table bed when such adjustment is reached. While only one leaf supporting member is shown, another could be arranged at the other end of the table.

When the table is folded the leaf support member 15 being carried thereby is folded therewith and protected from damage, as is shown in Fig. 4, because its movements are limited by its engagement with the oppositely disposed rear table leg 6.

The table may be provided as shown in several views with a clamping member 18 for holding papers and other objects against displacement. The outward inclination of the rear table leg lends greater support and particularly when weights are carried by the leaf in horizontal adjustment to the table top.

In operation the table is placed over the body of the patient and upon top of the covers, thus not interfering in any way with their protection. The position of the table is to be regulated by the patient's wishes and whether reclined or in sitting posture. Whether the leaf B will be in horizontal adjustment or inclined at an angle to the table bed is for the patient to determine and is controlled by his manipulation of the support 15. If it is desirable to tilt the table bed proper the leg extension members 9 are swung from folded position into extended position and there held by engagement of one of the apertures 11 with the pin 12.

While I have thus described and illustrated an embodiment of my invention, there is no intention to be limited thereto as modifications, changes and alterations within the scope of the claims hereinafter hereto appended are to be resorted to when desired.

What I claim as new and desire to secure by Letters Patent of the United States is—

1. In a table structure, a body, and foldable legs, said legs being adapted to fold into engagement with each other to form complementary handle members whereby to provide handle means for carrying said table.

2. In a table structure, a body and foldable legs, said legs being inclined outwardly from an edge of the body when in folded position to intersect and provide carrying means for the table.

3. A table comprising a body, legs at opposite ends of the body, a leaf at one side thereof, and an adjustable leaf support pivoted intermediate its length on one leg, one end thereof being engageable with the leaf, and means with which the other end is adjustably engageable for maintaining the support in adjusted position.

4. A table comprising a body, legs at opposite ends of the body, a leaf at one side thereof, and an adjustable leaf support carried by one leg and in engagement with another of said legs for maintaining the support in adjusted position.

5. A leaf support for a table having a top and legs, comprising a movable member connected to one of said legs and having an extension arm engageable with the top of the table to hold the leaf in one position, said arm engaging with the second of the table legs to hold the leaf in another position.

6. A folding table comprising a body, folding end members comprising legs and an intermediate cross piece, and a leaf foldable over said body, one of said end members being provided with a leaf support upon one end of which said leaf rests, the other end thereof engaging along the under surface of the body to delimit movement of the leaf.

7. A folding table comprising a body, end members comprising pairs of hinged and diverging legs and an intermediate cross piece, a leaf foldable over said body, and an adjustable leaf support carried by one of the legs of said members, said support comprising a leaf engaging portion and an extension arm engageable with the other leg of said member to prevent inclination of the leaf beyond a predetermined angle.

8. A folding table comprising a body, hinged legs at opposite ends of the body and foldable thereunder, the legs at one side being inclined outwardly and arranged to cooperate with one another to form table carrying means, a leaf foldable over said body, an adjustable support for said leaf disposed at one end thereof and carried by one of the table legs, means carried by another of said legs to releasably lock said support in adjusted position, the table body delimiting movement of the leaf beyond

horizontal, and independent and oppositely disposed pivoted brace means engaging said legs when in extended position, said brace means being shiftable to form positive locking means for the legs when in folded position. 5

9. In a table having a bed, legs, and a hinged leaf, a support having one end in en-

gagement with the leaf, the other end of said support resting upon said bed when said leaf is in one position, and means for releasably locking the support to hold the leaf in other positions. 10

In testimony whereof I affix my signature.

JOHN PERRON.