C. N. NELSON.

ADJUSTABLE BED TABLE.

APPLICATION FILED JULY 12, 1916.

1,247,990. Patented Nov. 27, 1917.

Fig. 1.

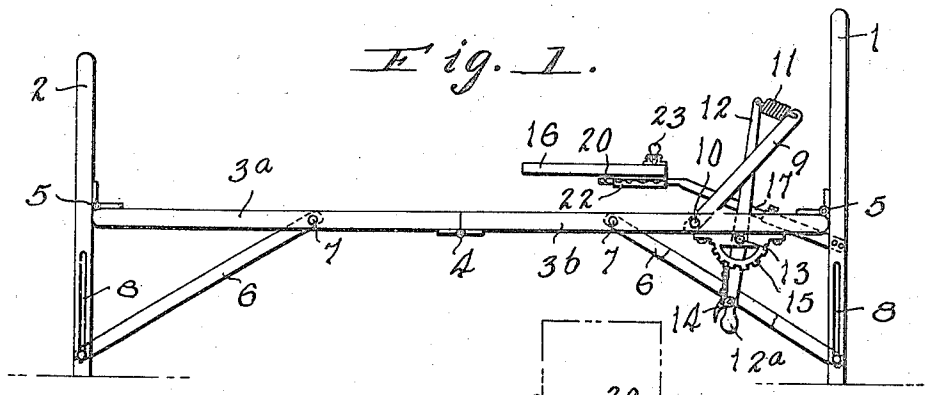


Fig. 2.

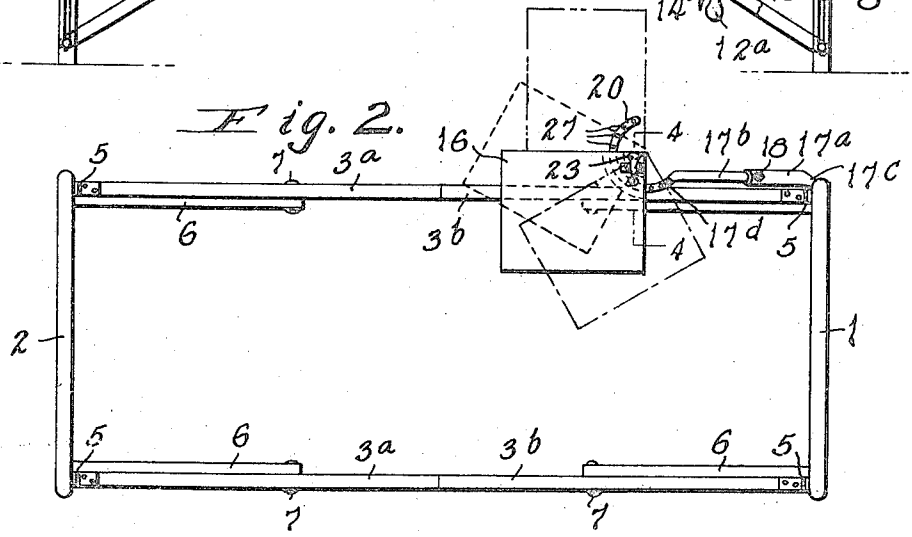


Fig. 3.

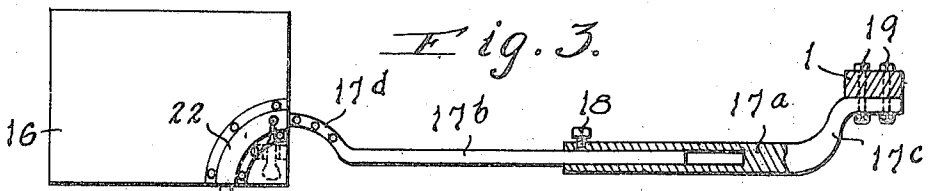
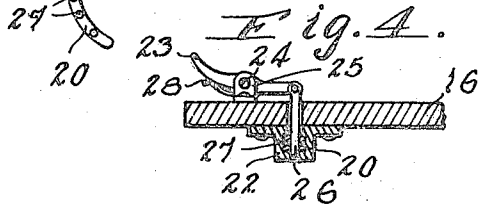


Fig. 4.



Inventor

C. N. NELSON

By

N. S. Kiel

Attorney

UNITED STATES PATENT OFFICE.

CLARENCE N. NELSON, OF CANBY, MINNESOTA.

ADJUSTABLE BED-TABLE.

1,247,990. Specification of Letters Patent. Patented Nov. 27, 1917.

Application filed July 12, 1916. Serial No. 108,903.

To all whom it may concern:

Be it known that I, CLARENCE N. NELSON, a citizen of the United States, residing at Canby, in the county of Yellow Medicine, State of Minnesota, have invented a new and useful Adjustable Bed-Table; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention relates to an adjustable bed table, and has for its object to provide a device of this character which embodies novel features of construction whereby it can either be swung over the bed and used as a table, or swung to one side of the bed and used for the support of medicine.

Further objects of the invention are to provide an adjustable bed table which is comparatively simple and inexpensive in its construction, which can be readily applied to a bed and adjusted to the correct position thereon, and which can be easily adjusted to position the table over the bed or at one side thereof.

With these and other objects in view, the invention consists in certain novel combinations and arrangements of the parts as will more fully appear as the description proceeds, the novel features thereof being pointed out in the appended claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings, in which:—

Figure 1 is a side elevation of a collapsible hospital bed provided with a swinging table constructed in accordance with the invention.

Fig. 2 is a top plan view of the same, the table being shown in one position by full lines, and in a number of adjusted positions by dotted lines and dot and dash lines, the head section and its connection being omitted for convenience in illustrating.

Fig. 3 is an enlarged plan view of the table and supporting bracket, portions being broken away and shown in section.

Fig. 4 is an enlarged detail view of the latch means for holding the table in an adjusted position.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

For the purpose of illustration the adjustable bed table is shown in the drawings as applied to a collapsible bed, of which the numerals 1 and 2 designate the head and foot pieces, respectively, and 3^a and 3^b complemental sections of the main frame, said sections being hingedly connected to each other at 4, and to the respective head and foot pieces, at 5. Diagonal brace members 6 connect the sections 3^a and 3^b of the main frame to the respective head and foot pieces, said brace members being pivotally connected to the sections of the main frame at 7, and slidably engaging slots 8 in the head and foot pieces. The lower ends of the said slots 8 provide stops for coöperation with the ends of the brace members to limit the downward swinging movement of the main frame sections 3^a and 3^b and hold them in a horizontal position when the bed is extended. In order to collapse the bed the main frame is broken at the hinged joint 4 and the sections 3^a and 3^b thereof swung upwardly, the head and foot pieces maintaining a vertical position and being simultaneously drawn toward each other. The outer ends of the braces 6 then slide in the slots 8 so that the braces have a substantially vertical position when the bed is folded.

A swinging head rest 9 is illustrated as hingedly connected at 10 to the section 3^b of the main frame. The swinging end of the head rest 9 is connected by a spring 11 to the upper end of an adjusting lever 12 which is pivotally connected at an intermediate point in its length, as indicated at 13, to the main frame. The lower end of the lever extends below the main frame where it terminates in a handle 12^a and is provided with a latch 14 for engagement with a segmental rack 15, to lock the lever and head rest in an adjusted position. Both the head rest 9 and adjusting lever 12 can be swung into the plane of the section 3^b of the main frame when it is desired to collapse the bed. No claim is made either to the bed or to the head rest.

The table 16 is mounted upon an extensible bracket arm 17 and arranged so that it can either be swung over the bed and used as a table for eating purposes, or swung to one side of the bed and used for the support of medicine. The bracket 17 is formed in telescoping sections 17^a and 17^b, the section 17^b fitting slidably within the section 17^a so that it can be moved in

and out to adjust the effective length of the bracket. A set screw 18 may be provided for locking the parts in an adjusted position. The outer end of the section 17^a is offset laterally at 17^c and arranged to be secured to the head piece 1 by a suitable fastening member 19. The outer end of the section 17^b is also offset laterally at 17^d and provided with a segmental arm 20, said arm being normally horizontally disposed at a suitable elevation above the bed frame. One corner of the table 16 is provided at the bottom thereof with a segmental guide 22 which slidably receives the segmental arm 20 of the bracket, both the arm and guide casing being polygonal in cross section so that the table top is held rigidly in a horizontal position. The sliding engagement between the segmental arm 20 and the guide 22 admits of the table top 16 being either swung into position over the bed so that it can be used by the patient when eating, or swung into a position at one side of the bed where it can be very conveniently used for the support of medicine. A hand lever 23 is pivotally mounted at 24 upon a bracket 25 projecting from the top of the table 16, said lever being provided with a nose 26 which passes through an opening in the table top and is adapted to engage any selected one of a series of openings 27 in the curved or segmental arm 20 to hold the table top in an adjusted position. A spring 28 may be provided for normally holding the hand lever 23 in operative position.

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

A device of the character described, including a bracket arm which is provided at one end thereof with a horizontally disposed curved arm having a series of openings therein, means at the opposite end of the bracket arm for supporting it rigidly in position, a swinging table, a segmental guide applied to the lower surface of the table at one corner thereof and arranged to slidably receive the curved arm of the bracket, a bracket projecting from the top of the table, a hand lever pivotally mounted upon the said bracket, and a nose carried by the hand lever and passing through the table so as to engage any selected one of the openings in the curved arm to lock the table top in an adjusted position.

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

CLARENCE N. NELSON.

Witnesses:
J. P. LANGMACK,
E. W. PETERSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."