Aug. 25, 1925. 1,550,981

J. R. McGARRITY

BEDSTEAD ATTACHMENT

Filed Dec. 11, 1924

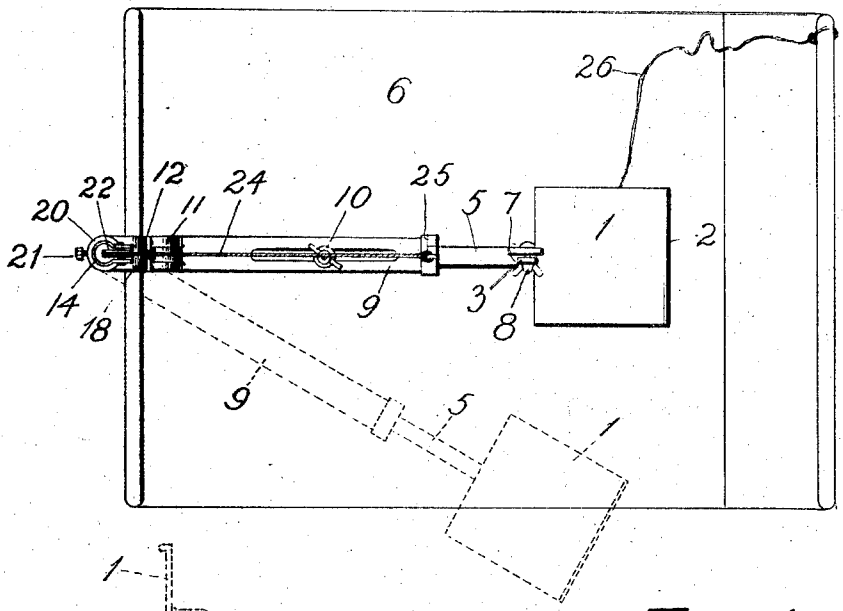


Fig. 1.

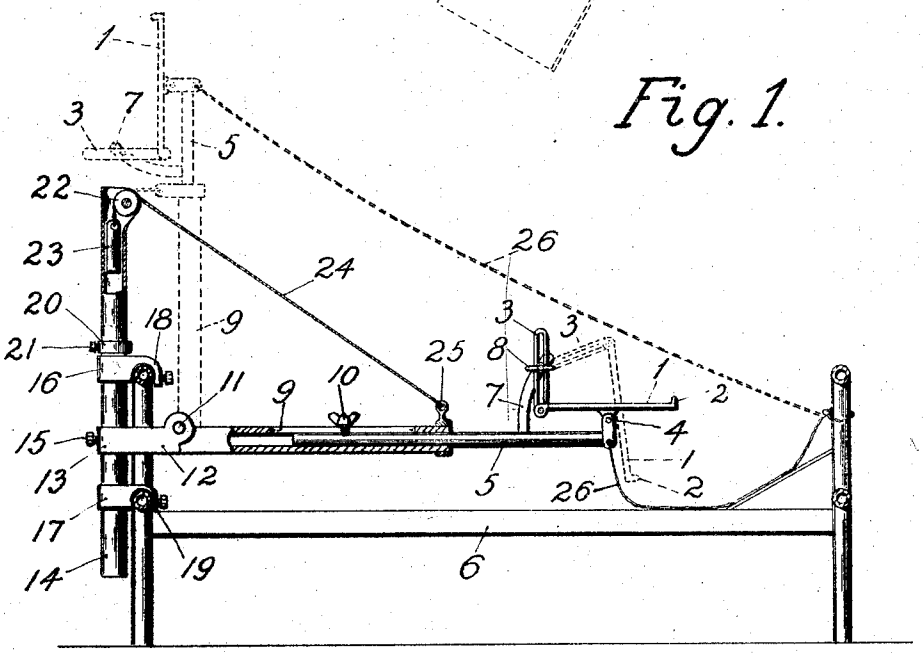


Fig. 2.

WITNESS

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INVENTOR

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BY

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ATTORNEYS

SUPPORTS, TABLES
108-5
DRAFTSMAN

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UNITED STATES PATENT OFFICE.

JOHN R. McGARRITY, OF MILWAUKIE, OREGON.

BEDSTEAD ATTACHMENT.

Application filed December 11, 1924. Serial No. 755,151.

To all whom it may concern:

Be it known that I, JOHN R. McGARRITY, a citizen of the United States, residing at Milwaukie, in the county of Clackamas and State of Oregon, have invented a new and useful Bedstead Attachment, of which the following is a specification.

My invention relates to bedstead attachments, particularly for hospitals, in which a table is attached to a swinging arm, the latter being secured to the foot end of the bedstead.

One object of my invention is to provide the occupant of a bed with an appliance which can be easily attached to the bedstead and furnishes a table for reading, writing, eating or other uses.

Another object is to furnish a table which is adjustable for height, slope and distance from the user.

A further object is to furnish a table which can be swung out of the way either to one side or upward against the foot end of the bed.

Yet another object is to make provisions to have the table swung out of the way automatically.

A still further object is to enable the occupant of the bed to pull the table into useable position without aid.

Other objects and advantages are to be found in the construction and arrangement of parts as will be described in the specification and particularly pointed out in the appended claim.

I attain these objects with the mechanism illustrated in the accompanying drawing, in which—

Fig. 1 is a plan view of the bedstead, including the attachment.

Fig. 2 is a vertical section through the bedstead, showing the attachment in different positions, portions thereof being broken away.

Similar numerals refer to similar parts throughout the several views.

The front edge of the table 1 is provided with a ledge 2 which prevents objects from rolling or sliding off. Hingedly mounted at the center of the rear edge is a slotted link 3 which permits said table 1 to be securely held in either a horizontal or an inclined position, the latter being indicated by the respective dotted lines in Fig. 2. By means of a hinge 4 the center of the table 1, at the under side, is attached to an extension arm 5 which projects underneath the table 1 toward the foot end of the bedstead 6. A curved bracket 7 is firmly attached to the extension arm 5 and extends upward past the rear edge of the table 1 to hold the link 3 in adjusted position by means of a thumbscrew 8. The extension arm 5 is telescopically mounted in a slotted tube 9, and has a thumb screw 10 extending through the slot whereby said arm 5 is firstly prevented from rotation around its axis and, secondly, can be secured at the desired point of extension. The slotted tube 9 is, by means of the hinge 11, held to a stub arm 12 which latter is provided with a sleeve 13 to fit around the vertical tube 14 at the foot end of the bedstead 6. The stub arm 12 may be raised or lowered on the tube 14 and is held in adjusted position by a set screw 15. The tube 14 is rotatably mounted in the bearings 16 and 17 which latter are clamped at 18 and 19 respectively over the horizontal, structural members at the foot end of the bedstead 6. A thrust collar 20 on the vertical tube 14 rests on the upper bearing 16 and keeps the tube 14 at the proper height. The screw 21 holds the thrust collar 20 in place. The upper end of the vertical tube 14 is first split and then flared out to furnish a bearing for the pulley 22. Within the vertical tube 14 is a counter weight 23 suspended from a chain or cable 24, which latter reaches over the pulley 22 and is fastened to an eye 25 at the front end of the slotted tube 9. The counterweight 23 should be proportioned to pull the slotted tube 9 automatically into vertical position when the table 1 is pushed back to its limits. The vertical position of the slotted tube 9 is indicated by the respective dotted lines. Also attached to the extension arm 5 is a cord 26 whose one end may be fastened to the head end of the bedstead or should at least be left within the reach of the occupant. When the table 1 is pulled down horizontally and then pulled toward the occupant, the weight of said table will over balance the gravity of the counterweight 23 and will leave the table in horizontal position.

This arrangement makes it also possible to swing the table toward either side as indicated by the dotted lines in Fig. 1.

Although the vertical tube 14 is preferably attached to the outside of the foot end, it would not be difficult to attach said tube at the inner side. Such a change would in-

deed be necessary where the foot end of the bedstead is composed of solid boards, except that in the latter case a hole in said boards would have to be cut for the accommodation of the clamp on the lower bearing 17, or otherwise said lower bearing 17 would have to be constructed with lugs to be screwed against the boards.

Having thus described my invention, it will be seen that my objects have been accomplished and, though I have shown the preferred form of construction, I reserve to myself the right to make minor changes, providing I do not contravene the spirit and principle of my invention.

I claim:

In a device of the character described, the combination of a bedstead, a vertical tube rotatably mounted at the foot end of the bedstead, a stub arm adjustably secured to the vertical tube and rotating therewith, a slotted tube hinged to the stub arm and normally projecting at right angles to the vertical tube, said slotted tube being capable of folding upward against the vertical tube, an extension arm telescopically mounted in the slotted tube, an adjustable table at the end of the extension arm, a cable affixed to the end of the slotted tube, said cable leading to the top of the vertical tube, a counterweight attached to the cable within the vertical tube and automatically folding the slotted tube against the vertical tube when the extension arm has entered the slotted tube to its limits, and a cord at the end of the extension arm.

Signed by me at Portland, Oregon this 6th day of December, 1924.

J. R. McGARRITY.