No. 763,281. PATENTED JUNE 21, 1904.

H. B. HALES.

TRAY ATTACHMENT FOR BEDSTEADS.

APPLICATION FILED MAR. 24, 1903.

NO MODEL.

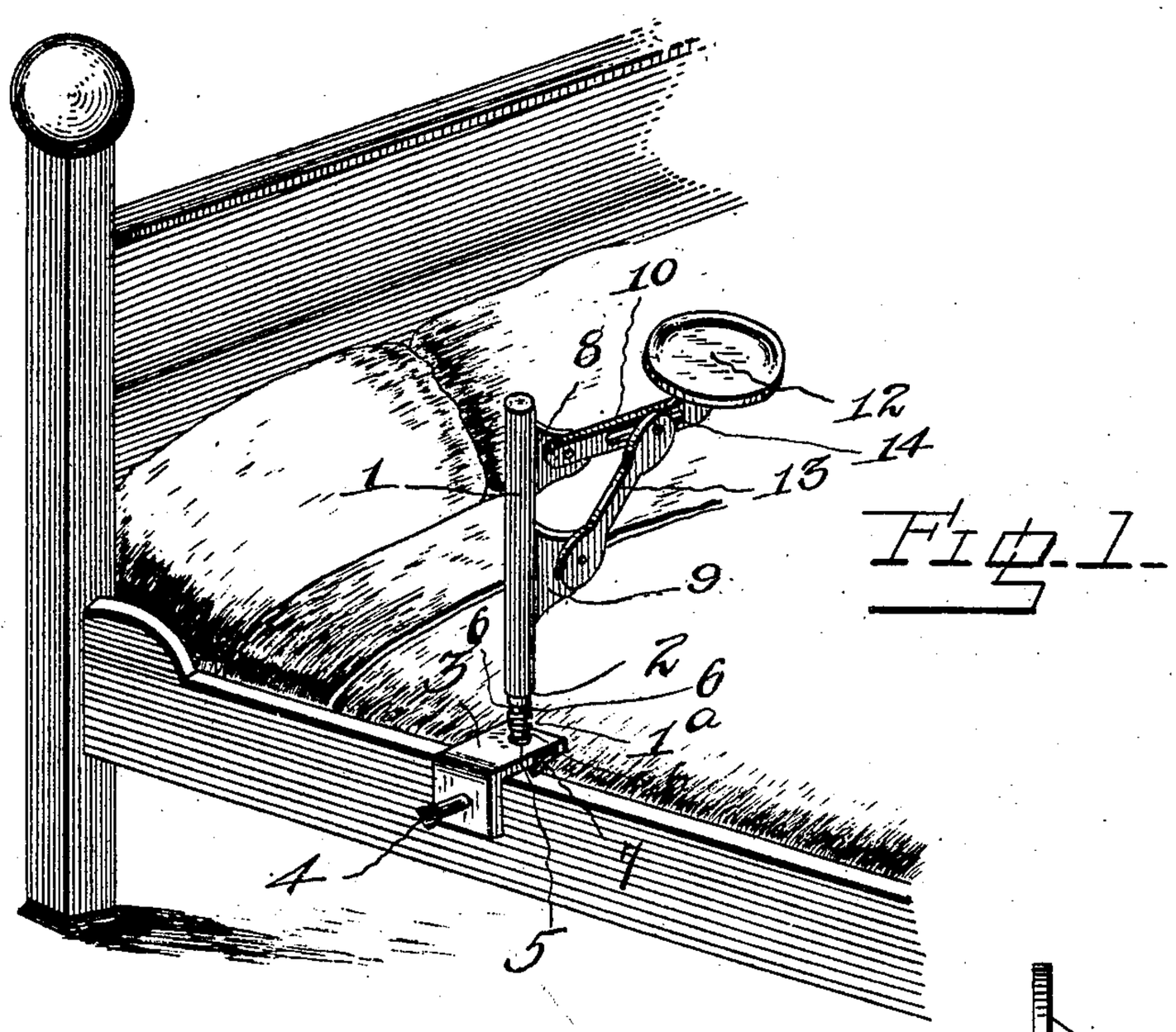

Fig. 1.

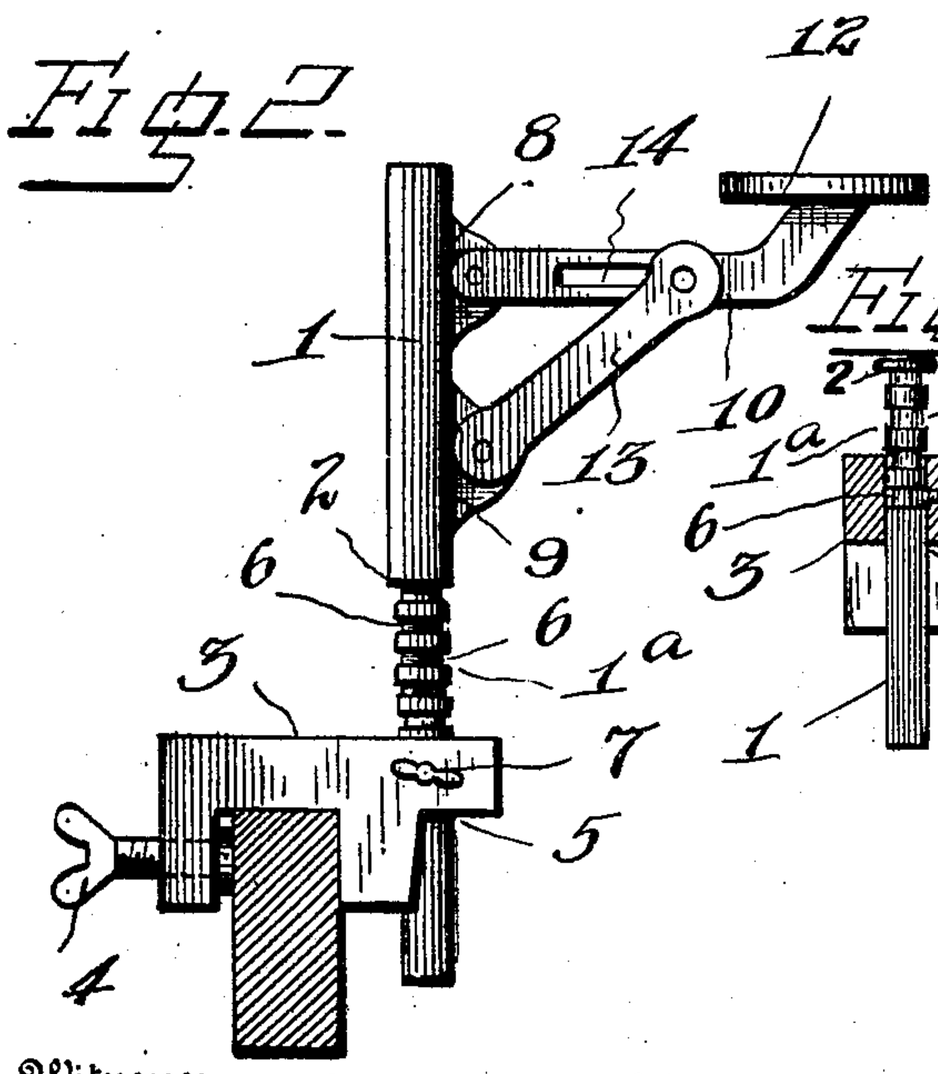

Fig. 2.

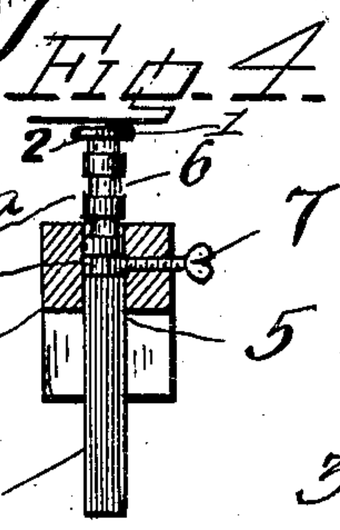

Fig. 4.

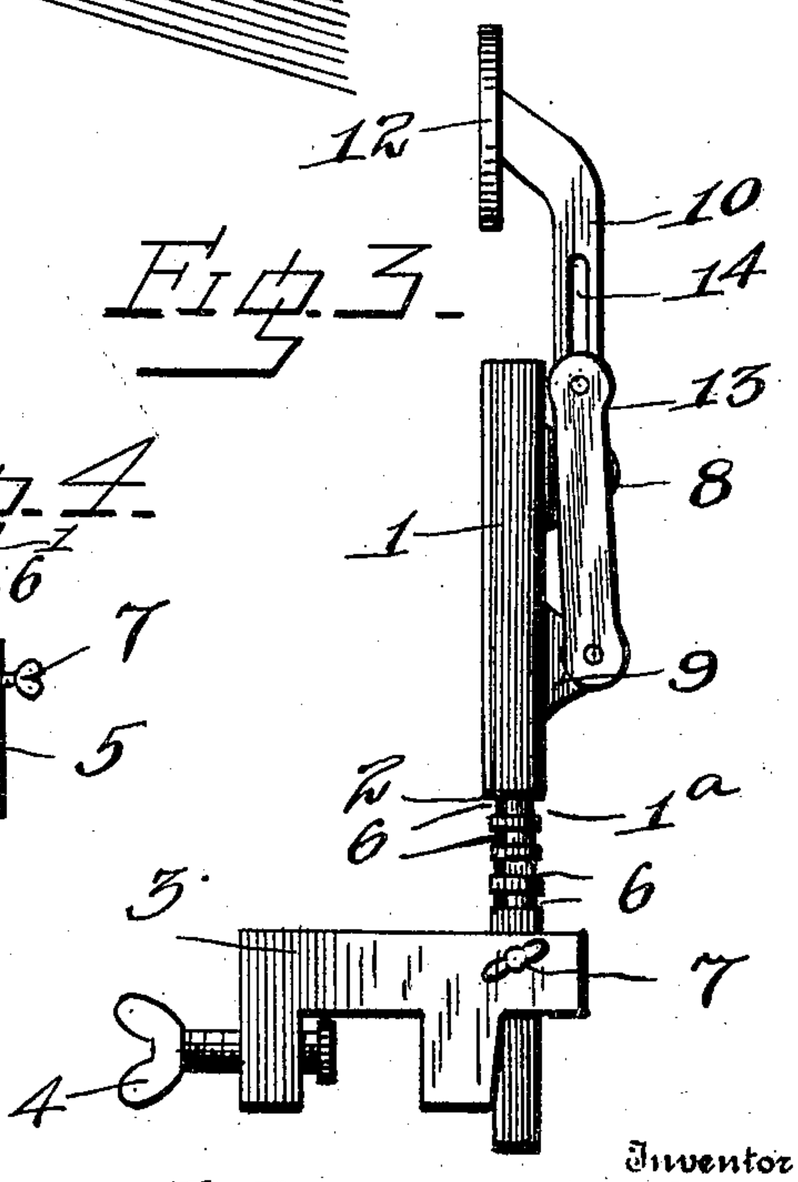

Fig. 3.

Witnesses
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[illegible]

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No. 763,281. Patented June 21, 1904.

UNITED STATES PATENT OFFICE.

HARMON B. HALES, OF ROBINSON, UTAH.

TRAY ATTACHMENT FOR BEDSTEADS.

SPECIFICATION forming part of Letters Patent No. 763,281, dated June 21, 1904.

Application filed March 24, 1903. Serial No. 149,360. (No model.)

To all whom it may concern:

Be it known that I, HARMON B. HALES, a citizen of the United States, residing at Robinson, in the county of Juab and State of Utah, have invented certain new and useful Improvements in Tray Attachments for Bedsteads; and I do 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.

This invention relates to improvements in tray-supports for bedsteads.

The object of the invention is to provide an attachment and support for this purpose which will be adjustable to various heights and which can be quickly folded up and swung out of the way when not in use.

A further object is to provide such an attachment which will be simple, strong, and durable, quickly and easily attached to the bedstead, and well adapted to the use for which it is designed.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of a portion of a bedstead, showing the application of the device. Fig. 2 is a vertical section through the side rail of a bedstead, showing the device in side elevation and attached thereto. Fig. 3 is a similar view showing parts of the device folded up. Fig. 4 is a vertical sectional view through the outer end of the supporting-bracket.

In the drawings, 1 denotes a vertically-disposed cylindrical standard or post, the lower portion 1^a of which is reduced, thereby forming a shoulder 2 on the post.

3 denotes a horizontally-disposed inwardly-projecting bracket having downwardly-projecting lugs or ears which engage the side rail of the bedstead and are adapted to be clamped to the same by a clamping-screw 4.

In the inner end of the bracket 3 is formed a vertically-disposed cylindrical hole or opening 5, through which is adapted to pass the lower reduced portion 1^a of the standard 1. The said lower portion 1^a of the standard 1 is provided with a series of horizontally-disposed annular grooves 6, arranged at short intervals along its length, one of which is adapted to receive the end of a set-screw 7, which is screwed into one side of the bracket 3, by which means the standard may be raised or lowered and held in position, the grooves in the standard permitting the screw 7 to hold the standard in an adjusted position, but still allowing it to turn freely in the hole 5.

On the upper portion of the standard 1 are formed two laterally-projecting perforated ears or lugs 8 and 9, arranged one above the other, but slightly out of vertical alinement. To the upper lug 8 is pivotally connected the inner end of a supporting-arm 10, having an upwardly-curved outer end, on the top of which is fixed a tray or support 12. To the lower lug 9 is pivotally connected the lower end of a brace-bar 13, the upper end of which has a sliding engagement with the arm 10. The said sliding engagement of the brace-bar with the arm is effected by means of a horizontally-disposed slot 14, formed in the arm 10, through which a pin or bolt is adapted to pass and engage the upper end of the brace-bar 13. This sliding engagement of the pivoted arm and brace permits the same to be folded upwardly against the standard 1 in the position shown in Fig. 3 of the drawings. By curving the outer end of the arm upward when it is folded or in its vertical position the tray will overhang the top of the post, and thereby cause the center of gravity to fall between the pivot at the lower end of the arm and the center of the post and hold the arm in its elevated position without the use of other attachments. The length of the slot 14 is of such a length that when the arm stands in its vertical position the pin in the bar 13 will engage with the lower or inner end of the slot and when the arm is in its horizontal position it will engage with the outer end.

When it is desired to raise or lower the standard 1 and the parts carried thereby, the

set-screw 7 is unscrewed and disengaged from the groove 6, when the standard may be adjusted to the desired height and the set-screw again screwed in to engage the groove at this level. This manner of adjustably holding the standard 1 does not interfore with the free lateral turning of the same and the parts carried thereby. The downward movement of the standard 1 in the bracket 3 is limited by the shoulder 2.

The support 12 may be in the shape of a tray itself and is so shown in the drawings, or it may simply be a rest or support for a tray or waiter, and while the device has been shown and described as a tray attachment for bedsteads it is obvious that the same may be advantageously used as a support in other connections and for other purposes.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a tray attachment for bedsteads, a perforated bracket provided with means for securing it in position, a post through said perforation, the upper end of which is provided with ears one above the other and the lower end is annularly grooved and reduced to form a shoulder, a catch in the bracket for engaging with the grooved portion of the post, a slotted arm pivotally secured to the upper ear, the free end of the arm being curved upwardly and provided with a tray which is adapted to overhang the upper end of the post when the arm stands in a vertical position, and a brace-arm pivotally secured to the lower ear, the outer end of which is provided with a pin which fits in the slot of the arm and is adapted to rest against the outer end of the slot when the arm is in a horizontal position and with the inner end when the arm is vertical.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HARMON B. HALES.

Witnesses:
GEO. A. ROBERTSON,
AL. PATTEN.