No. 864,291. PATENTED AUG. 27, 1907.

E. M. CARPENTER.

ADJUSTABLE BEDSTEAD ATTACHMENT.

APPLICATION FILED NOV. 26, 1906.

FIG. 1.

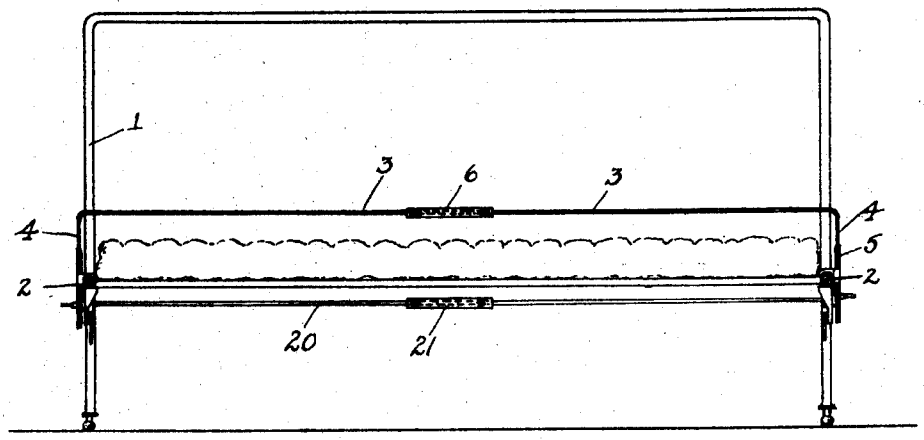


FIG. 2.

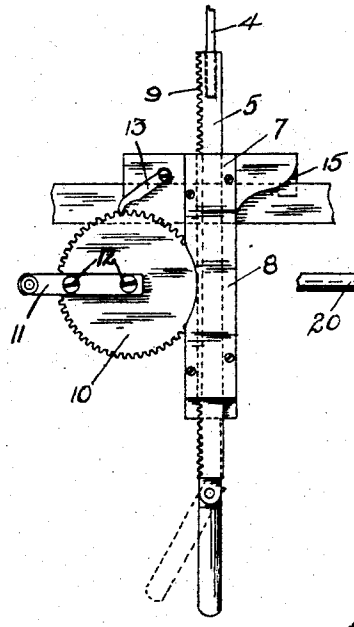


FIG. 3.

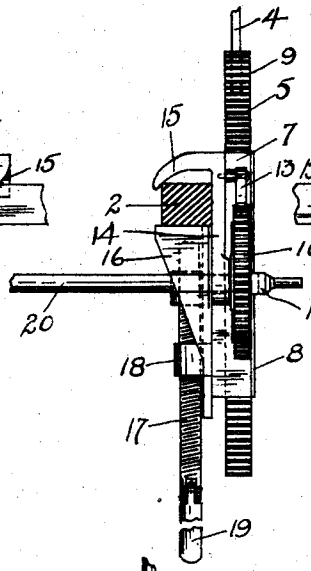


FIG. 4.

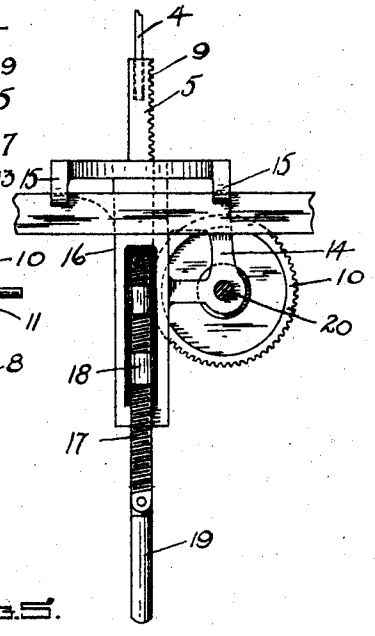
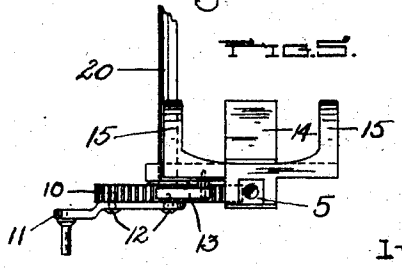


FIG. 5.



Witnesses:
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UNITED STATES PATENT OFFICE.

EVA M. CARPENTER, OF SOUTHBORO, MASSACHUSETTS.

ADJUSTABLE BEDSTEAD ATTACHMENT.

No. 864,291. Specification of Letters Patent. Patented Aug. 27, 1907.

Application filed November 26, 1906. Serial No. 345,017.

To all whom it may concern:

Be it known that I, EVA M. CARPENTER, of Southboro, in the county of Worcester and State of Massachusetts, have invented new and useful Improvements in Adjustable Bedstead Attachments; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention relates to new and useful improvements in beds and has primarily for its object the provision of novel means whereby bed clothes may be elevated, the bed or the attachment therefor being designed more especially for use in hospitals or in a sick room.

The invention has further for an object to provide means whereby the bed clothes may be elevated by mechanism arranged at either side thereof. This obviates the necessity of two attendants, required with the devices ordinarily in use.

It is also an object of the invention to provide a novel device of this character that may be readily applied to any bedstead, and it is also an object of the invention to provide a novel device of this kind that may be adjusted to compensate for varying widths of beds.

Finally an object of this invention is to provide a device of the character noted, which will possess advantages in points of efficiency, simplicity and durability proving at the same time comparatively inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification wherein like characters denote corresponding parts in the several views, in which—

Figure 1, is a view in elevation of the foot of a bedstead showing the invention applied. Fig. 2, is a view in elevation showing the invention in detail, part of said view being broken away. Fig. 3, is a sectional view through the side rail of a bed showing the device applied thereto. Fig. 4, is a view in elevation opposite to that shown in Fig. 2. Fig. 5, is a top plan view.

In the drawings 1, denotes the foot of a bed which may be of any ordinary or preferred construction and 2, a side rail secured thereto. For reasons that are obvious it has been found that the attachment should be positioned adjacent the foot board. The attachment consists of a frame which extends entirely across the bed and is secured to the side rails thereof, said frame being of course when in operative position, beneath the bed clothes. The frame is formed of two sections 3, each having a depending angular portion 4, which is secured to a movable rod 5, held to a side rail by a clamping means which will be hereinafter more fully explained. The opposed ends of the sections are engaged by the adjusting sleeve 6, which is of well known form and its operation is believed to be fully apparent to those skilled in the art. The rod 5, is movable within brackets or bearings 7, positioned adjacent the ends of the plate 8. This rod is provided along one edge with a series of teeth 9, engaged by the toothed or gear wheel 10, mounted on the plate and operated by the crank 11, which is secured to said wheel by the screws 12, although of course it is to be understood that this attaching means of the crank forms no feature of the present invention, as any method may be employed with equal facility.

Pivoted to the plate is a dog or pawl 13, which engages the teeth of the wheel 10, and retains the wheel against rotation in one direction and thus holds the frame from descending. The plate 8, is approximately T-shaped and the wheel 10, is mounted in the bracket 14, extending therefrom.

From the upper edge of the plate 8, and on the side opposite the bearings or brackets 7, project fingers or arms 15, which are intended to engage the upper face of a side rail. These fingers or arms are curved downwardly and are positioned preferably at the end of the upper edges. Slidably held by the plate and positioned beneath the fingers 15, is a block 16, adapted to engage with the under face of the side rail and provide means in conjunction with the fingers 15, for clamping the plate to the side rail 2. The movement of this block 16, is attained by the screw 17, which passes through the bracket 18, and engages the block as is thought to be fully shown in Figs. 3 and 4. To the lower end of this screw 17, is pivoted a section 19, which normally hangs vertically or pendicularly. When it is desired to move the block 16, this section 19, is swung approximately at right angles to the screw 17, and acts as a lever for rotating said screw in either direction according to the movement desired to be imparted to the block.

It is to be understood that a plate 8, and its intimate parts is secured to each of the rails and that said plates are oppositely disposed. Each of the wheels 10 is mounted on a common shaft 20, which extends entirely across the bed, and it can be seen that a movement of either of the wheels 10, will cause a simulta-

neous movement of both sides of the frame 1. By this means the device can be readily operated by one attendant. In order that the shaft 20, may also be applied to beds of varying widths, it is formed in sections, the opposing ends of the sections being engaged, as in the usual manner by the adjusting sleeve 21.

As the operation of the device is thought to be clearly apparent from the drawings and to be fully brought out in the description thereof, a further detail is believed to be unnecessary.

It might be stated that having the operating sections 19, pivoted to the screw and hanging normally vertical prevents the same from contact with persons passing about the bed or from being otherwise disturbed.

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

In combination with a bed, means for elevating the clothes thereon independently thereof, comprising T-shaped plates; each plate having curved fingers projecting from both ends of the head, brackets on the stem of the plate, a screw engaging the brackets and a block resting on an end of the screw; a frame movably carried by the plates.

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