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PATENTED MAR. 3, 1908.

R. B. JAGGERS.

FOLDING BED.

APPLICATION FILED JUNE 15, 1907.

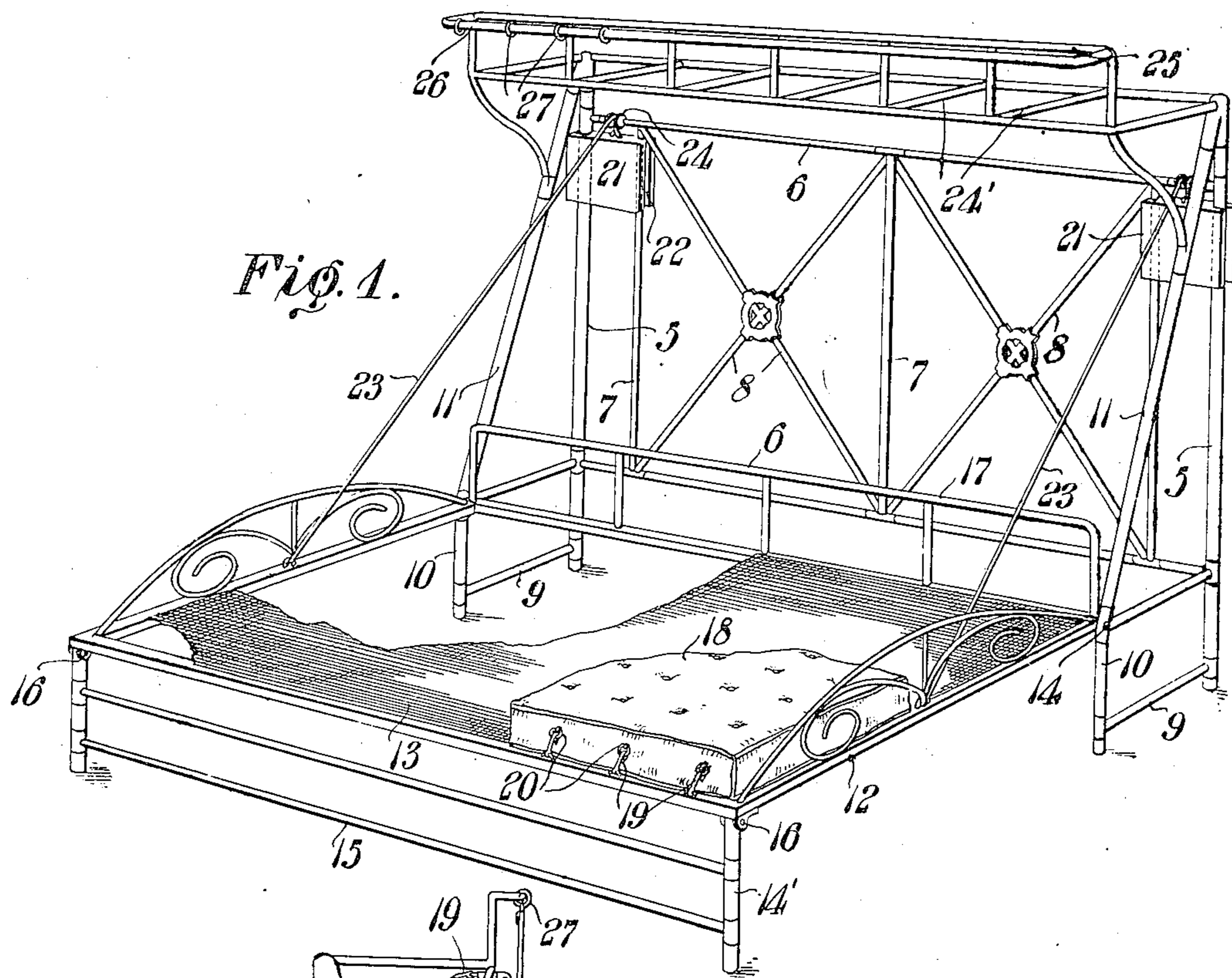


Fig. 2.

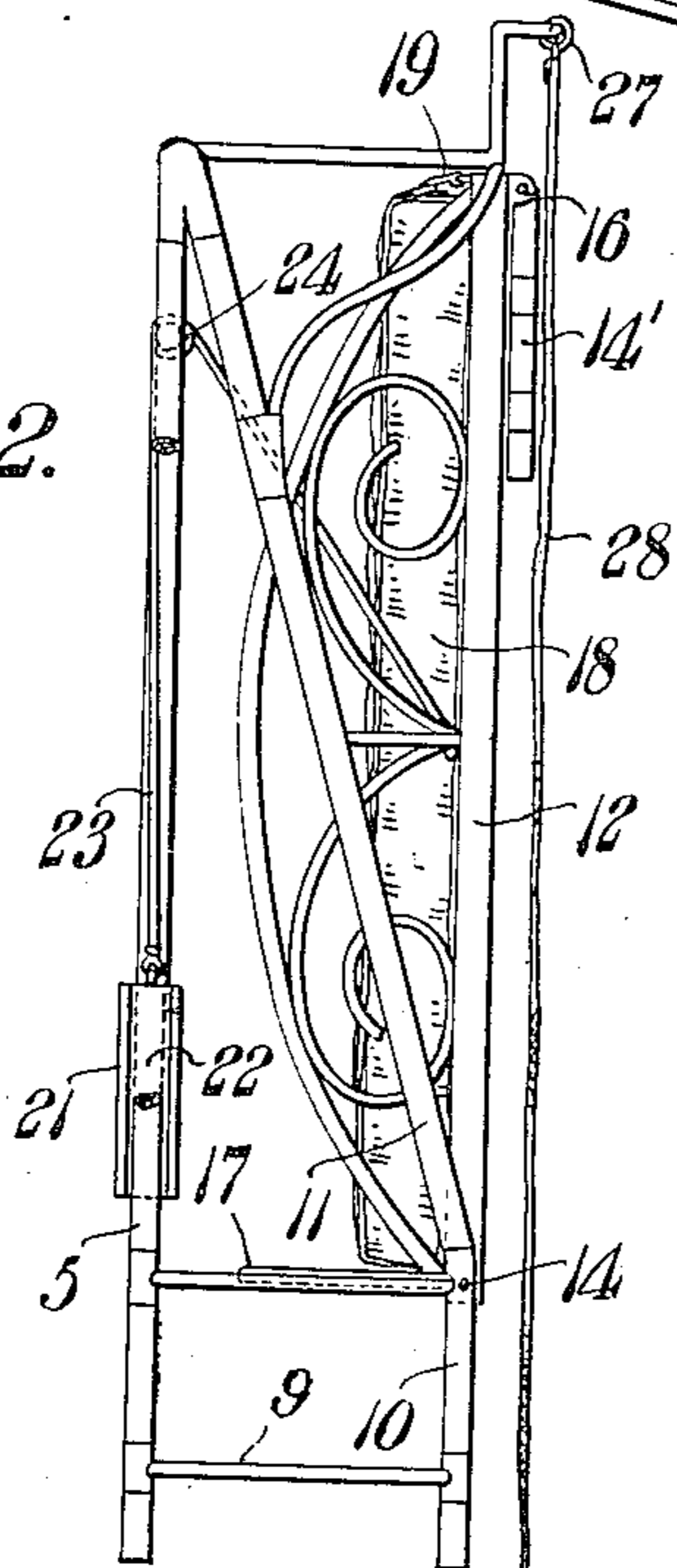
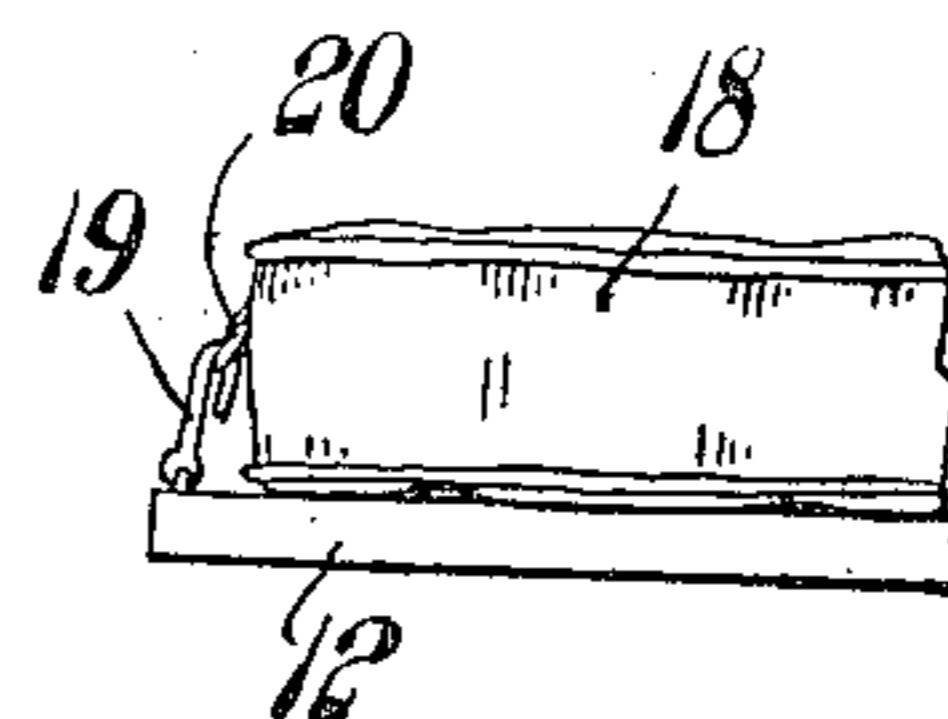


Fig. 3.



WITNESSES:

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FOLDING BED.

No. 880,666.

Specification of Letters Patent.

Patented March 3, 1908.

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To all whom it may concern:

Be it known that I, ROBERT B. JAGGERS, a citizen of the United States, residing at Hot Springs, in the county of Garland and State of Arkansas, have invented a new and useful Folding Bed, of which the following is a specification.

This invention relates to folding beds and has for its object to provide a comparatively simple and inexpensive device of this character in which the bed bottom or mattress support is foldable side-wise within the supporting frame when not in use so as to occupy very little space.

A further object of the invention is to provide a folding bed which is light in weight and strong and durable in construction and one in which the mattress is effectually housed when in folded position so as to give the bed a neat attractive appearance.

A further object is to provide means for locking the mattress against accidental displacement when the latter is folded within the supporting frame and further to form the supporting frame with a shelf adapted to receive the pillows, covers and other bed clothes.

A still further object of the invention is to generally improve this class of devices so as to increase its utility, durability and efficiency.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a folding bed constructed in accordance with my invention showing the bed bottom in lowered or operative position. Fig. 2 is a side elevation showing the bed bottom in folded or inoperative position. Fig. 3 is a detail side elevation of one end of the mattress showing the manner of supporting the same on the bed bottom.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved bed forming the subject matter of the present invention includes a skeleton supporting frame which may be formed of steel, iron, brass, aluminium or other suitable material and consists of

spaced uprights or corner plates 5 connected by longitudinal bars 6 and reinforced by intermediate vertical rods 7, there being diagonally disposed brace rods 8 connecting the intermediate rods 7 thereby to reinforce and strengthen the frame.

Spaced from the rear standards 5 and connected therewith by rod sections 9 are relatively short front posts or standards 10 which are connected with the upper ends of the rear standards 5 by diagonal bars 11 thus forming a chamber or compartment for the reception of the bed bottom 12.

The bed bottom or mattress supporting frame 12 is preferably provided with woven wire springs 13 although coiled springs or ordinary slate may be used in connection with the bed bottom, if desired.

The bed bottom is pivotally connected at 14 with the short uprights or standards 10 so that said bed bottom may be folded side-wise and laterally within the skeleton frame when not in use and thus occupy very little space.

The free end of the bed bottom is provided with spaced depending legs 14' connected by longitudinal brace bars 15 and pivotally connected with the bed bottom, as indicated at 16 so that said legs may be folded laterally against the bottom of the frame 12 when the latter is moved to inoperative position within the skeleton frame 5.

Extending vertically from one longitudinal edge of the frame or bed bottom 12 at the pivot point 14 is a guard rail 17 which is movable laterally with the bed bottom within the skeleton frame when the bed bottom is folded and which serves as a support for the adjacent end of the mattress 18, thus effectually locking the same against accidental displacement.

Secured to the opposite longitudinal edge of the frame or bed bottom 12 are a series of spaced inwardly extending hooks 19 which engage suitable eyes or loops 20 formed on the adjacent edge of the mattress 18 and which serve to support the mattress on the bed bottom when the latter is in both raised and lowered position.

In order to assist in raising and lowering the bed there are provided suitable weights or counterbalances 21 having oppositely disposed guiding grooves 22 formed therein and adapted to receive the corner post and adjacent rods 7, respectively, so that said

weights may be guided in their upward and downward movement, there being a cord or other flexible supporting device 23 disposed on opposite sides of the bed and each having one end thereof connected with the adjacent end of the bed and its opposite end passed over a pulley or roller 24 and connected with the adjacent weight or counter balance 21, as shown.

10 Extending across the top of the skeleton frame are spaced transverse bars 24' which form a shelf or support for the pillows, covers or other bed clothes, there being a rail 25 extending vertically above the top of the skeleton frame to assist in preventing accidental displacement of said clothes.

Secured to and extending laterally from the rail 25 is a longitudinal rod 26 from which is suspended by suitable rings 27 a curtain 28 which forms a closure for the front of the skeleton frame when the bed bottom is moved to elevated or folded position, thereby to give the device a neat, attractive appearance.

25 In order to fold the bed it is merely necessary to exert a slight upward pressure on the free end of the bed bottom 12 which causes the counter weights 21 to draw the bed bottom within the frame with the lower edge of the mattress resting on the guard rail 17. The legs 14 are then folded laterally against the bottom of the bed and the curtain or closure 28 swung across the face of the frame, as shown in Fig. 2 of the drawing.

35 The bed may be readily moved to lowered position by exerting a slight downward pull on the free end of the bed bottom and supporting the latter by extending the legs

14 to the position shown in Fig. 1 of the drawings, and in which position the hooks 40 and eyes will effectually prevent accidental displacement of the mattress.

From the foregoing description it will be seen that there is provided an extremely simple, inexpensive and efficient device admirably adapted for the attainment of the ends in view.

Having thus described the invention what is claimed is:

A folding bed including a supporting frame consisting of spaced front and rear posts of different lengths and connected by diagonal rods, guide rods spaced from and disposed parallel with the long posts, a bed bottom pivotally connected with the short posts and provided with a vertical guard rail disposed in spaced relation to one of the side rails of the bed bottom and adapted to form a support for a mattress, the opposite side rail of the bed being arranged flush with the bed bottom, said bed bottom being movable sidewise between the diagonal rods of the frame and provided with rigid head and foot sections, counterweights slidably mounted between the long corner posts and the adjacent guide rods, and cords connecting the counter weights and bed bottom, respectively.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ROBERT B. JAGGERS.

Witnesses:

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S. C. FLEMING.