

C. TEUFEL.
WARDROBE BED.

No. 482,028.

Patented Sept. 6, 1892.

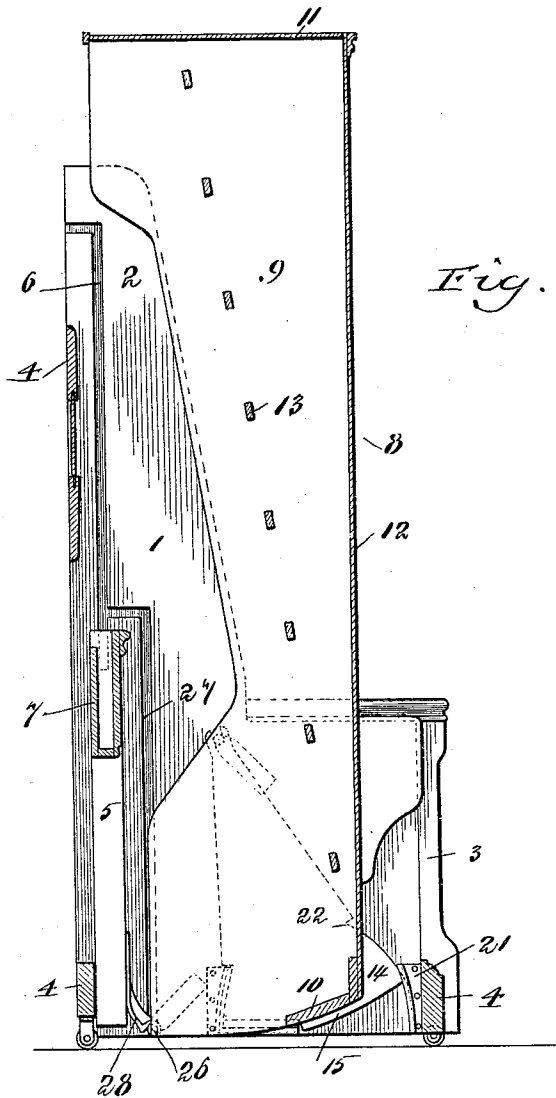


Fig. 1.

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(No Model.)

2 Sheets—Sheet 2.

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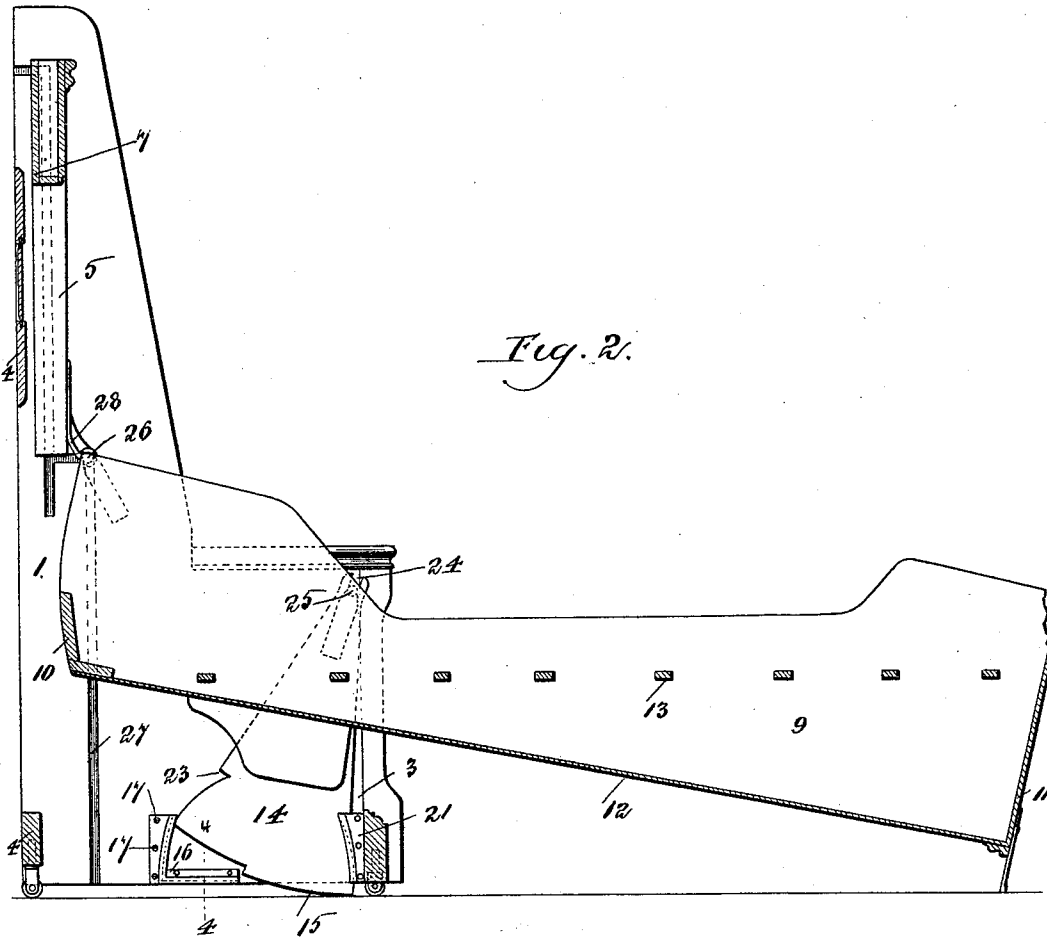


Fig. 2.

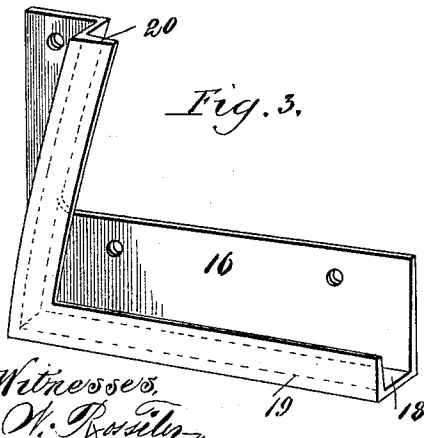


Fig. 3.

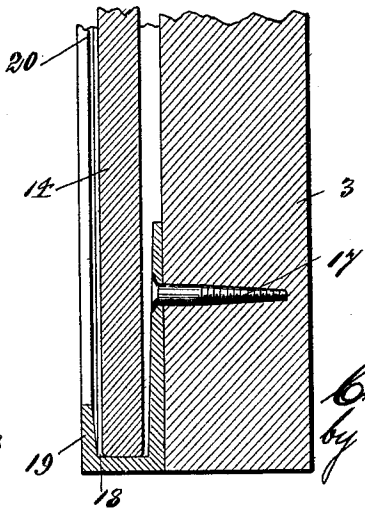


Fig. 4.

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UNITED STATES PATENT OFFICE.

CHARLES TEUFEL, OF CHICAGO, ILLINOIS.

WARDROBE-BED.

SPECIFICATION forming part of Letters Patent No. 482,028, dated September 6, 1892.

Application filed August 21, 1891. Serial No. 403,363. (No model.)

To all whom it may concern:

Be it known that I, CHARLES TEUFEL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Folding Beds, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a longitudinal vertical section showing the bed closed. Fig. 2 is a similar view showing the bed open. Fig. 3 is a detail, being an enlarged perspective view of the supporting-bracket; and Fig. 4 is an enlarged detail, being a vertical cross-section on line 4 4 of Fig. 2.

My invention relates to folding beds, and more particularly to that class of folding beds in which the bed portion is adapted to be turned upward and to stand in a perpendicular position when the bed is not in use.

The object of my invention is to provide novel, simple, efficient and economical means whereby the weight of the inner portion of the folding bed will be supported by the floor when the bed is unfolded for use.

To accomplish this object, my invention involves the features of construction and the combination or arrangement of devices hereinafter described and claimed.

In the drawings, 1 indicates one side of the stationary frame of a folding bed, which is provided with an upwardly-extending portion 2 and with an extended portion 3 at its forward end, adapted to receive the supports of the folding portion of the bed. The stationary frame consists of two side pieces similar to the side 1, which are connected by bars 4 and by the head-board 5 of the bed. The head-board 5 is adapted to slide vertically in the bed-frame and moves in slots 6 in the side pieces 1, as best shown in Fig. 1. Suitable pins are provided upon the ends of the head-board, which are adapted to move in the slots 6.

7 indicates counterbalancing-weights, which are carried by the head-board and are adapted to counterbalance the weight of the folding portion of the bed.

8 indicates the folding portion of the bed, which consists of side pieces 9, suitably connected together by the head-piece 10, foot-board 11, and bottom 12. Slats 13 are provided, upon which the bedding is supported.

The folding portion 8 is mounted upon rocking supports 14, one of which is placed at each side of the bed. The supports 14 are of the shape shown in Fig. 2, being segmental, and each support is provided with an extended portion 15, as best shown in Figs. 1 and 2.

16 indicates a supporting-bracket, one of which is secured to the lower portion of each side piece 1 by screws 17 or in any other suitable manner. Each bracket 16 consists of a horizontal portion 18, having a flange 19 and a forwardly-curved upward extension 20 at its rear end, as best shown in Fig. 3. The horizontal portion 18 of each bracket 16 forms a support and guide for the rocking support 14, which is of such width that it is adapted to fit into the bracket, as best shown in Fig. 4. The horizontal portion 18 of each bracket 16 is of such length that it will be adapted to receive that portion of the rocking support 14 which has the shorter radius, as best shown in Fig. 2.

21 indicates a stop, one of which is secured to the extended portion 3 of each side piece 1 and is adapted to engage a notch 22 in the rocking support to limit the forward motion of such support. Each support 14 is also provided at its rear edge with a similar notch 23, which is adapted to be engaged by the upwardly-extending portion 20 of the bracket 16 to limit the backward motion of the rocking support. The operation of the stops 21 is substantially similar to that shown and described in Letters Patent No. 459,210, issued to me September 8, 1891. The brackets 16 are preferably made of cast-iron and are secured to the side pieces 1, as hereinbefore described; but, if desired, they may be made of wood or any other suitable material. The extended portion 15 of the rocking support 14 extends sufficiently, so that when the bed is open such extension will rest upon the floor, as shown in Fig. 2. Each support 14 is provided at its upper end with a slot 24, which is adapted to receive a pin 25, secured to each side piece 9 of the folding portion 8, as shown.

26 indicates a pin, which is secured to each side piece 9 at its inner end and projects outward from the side piece and is adapted to move in slots 27 in the side pieces 1.

28 indicates a strap, which connects the lower portion of the sliding head-board 5 with the pin 26. By this construction each pin 26

will not only act as a guide for the inner end of the folding portion of the bed, but also serves to operate the sliding head-board, and the necessity of a second guiding-pin is avoided.

- 5 By the construction here shown, when the bed is closed, as shown in Fig. 1, the weight of the bed will rest upon the brackets 16. When the bed is opened, the upper end of the rocking supports 14 will be moved forward and
10 the extended portions 15 will rest upon the floor of the room, whereby the greater portion of the weight of the bed will rest upon the floor and the strain will be removed from the side pieces of the bed and the brackets 16.
15 This will permit of the various stationary portions of the bed being made much lighter than would otherwise be possible, as they are required to support but very little weight.

That which I claim as new, and desire to secure by Letters Patent, is—

- 20 1. In a folding bed, the combination, with a stationary frame, of rocking supports carried by the stationary frame and bearing directly against the floor when rocked toward
25 the front of the frame and a folding-bed portion pivoted to the upper ends of the rocking supports, substantially as described.
30 2. In a folding bed, the combination, with a stationary frame, of segmental rocking supports carried by the stationary frame and

bearing directly against the floor when rocked toward the front of the frame and a folding-bed portion pivoted to the upper ends of the segmental rocking supports, substantially as described. 35

3. In a folding bed, the combination, with a stationary frame having rear brackets 16, of segmental rocking supports 14, resting on the brackets when rocked toward the rear of the frame and having downwardly-extended
40 portions 15, which bear directly against the floor when the supports are rocked toward the front of the frame, and a folding-bed portion pivoted to the upper ends of the rocking supports, substantially as described. 45

4. In a folding bed, the combination, with a stationary frame having the front stops 21 and the rear brackets 16, provided with upwardly-extending stop portions 20, of the segmental rocking supports 14, having front and
50 rear notches 22 and 23 and downwardly-extending portions 15, which bear directly against the floor when the supports are rocked toward the front of the frame, substantially as described.

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Witnesses:

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