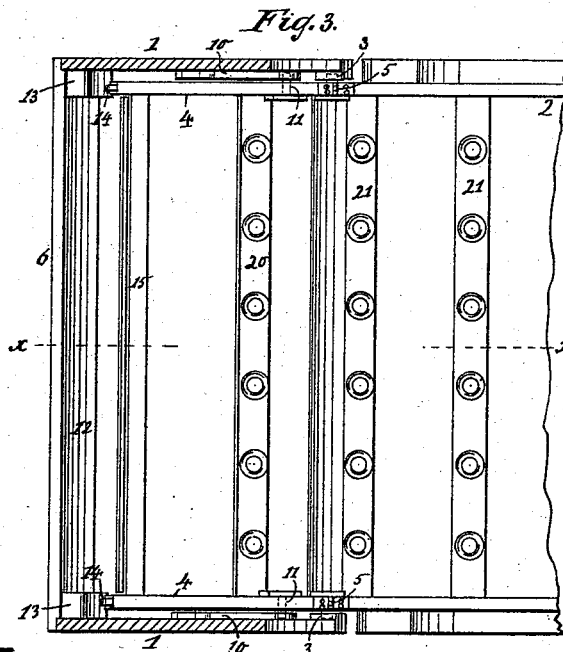
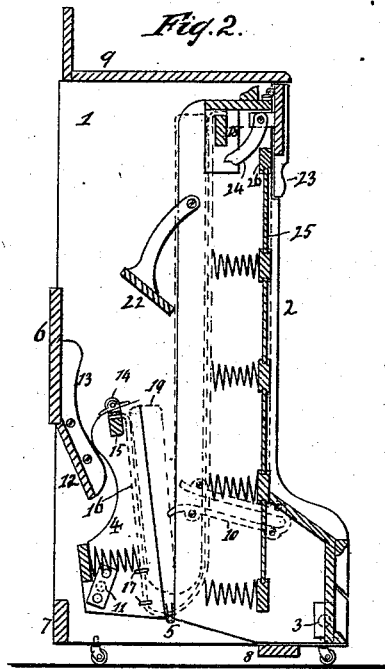
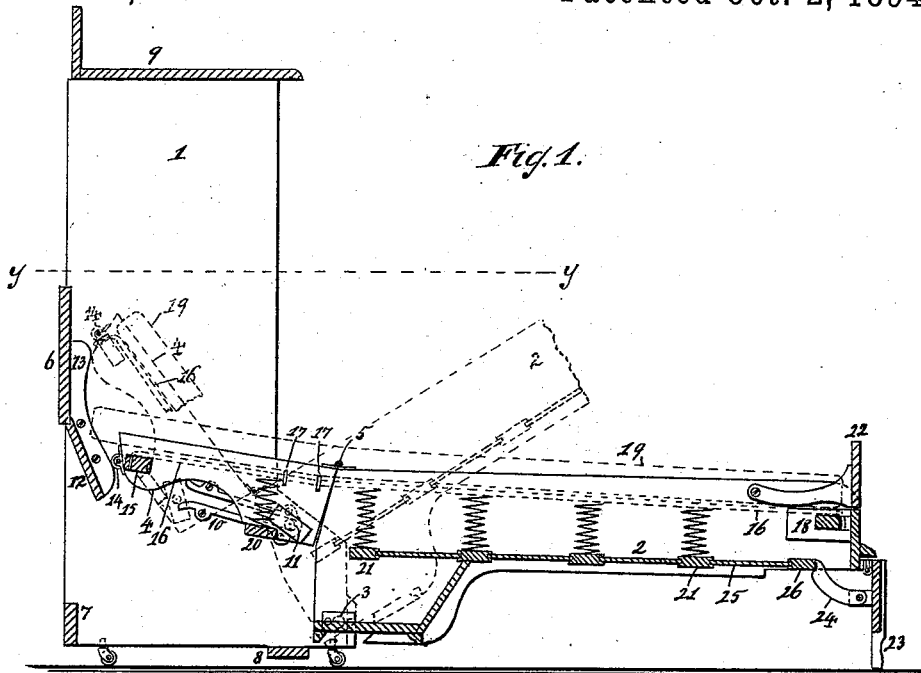


(No Model.)

M. SAMUELS.
FOLDING BED.

No. 527,006.

Patented Oct. 2, 1894.



WITNESSES:

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UNITED STATES PATENT OFFICE.

MARKS SAMUELS, OF NEW YORK, N. Y.

FOLDING BED.

SPECIFICATION forming part of Letters Patent No. 527,006, dated October 2, 1894.

Application filed June 14, 1894. Serial No. 514,562. (No model.)

To all whom it may concern:

Be it known that I, MARKS SAMUELS, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Folding Beds, of which the following is a specification.

This invention has for its object to provide a folding bed in which by a simple arrangement the flexible bed bottom will be suitably stretched when the bed is opened or unfolded and the invention consists in the novel features of construction set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a side elevation of the bed open sectioned along *x x* Fig. 3, the bed being shown in dotted lines as partly open or unfolded. Fig. 2 is a view like Fig. 1 the bed being closed. Fig. 3 is a section along *y y* Fig. 1.

The main section of the bed comprises the side pieces 1. To the main section is jointed the foot section 2 at 3 so as to fold or swing into the main section when closing. The head section 4 is jointed to the foot section at 5. The main section has its side pieces connected by strips or transverse pieces 6, 7, 8 and is usually provided with a cover or top plate 9. In opening and closing the bed the head section moves into and out of engagement with the main section by means of guides or ways 10 and lugs or supports 11. The guides or ways 10 have their mouths or inner ends open and as the head section 4 swings from the position shown in Fig. 2 to the position shown in Fig. 1 first in dotted lines and then in full lines the lugs or supports 11 are carried toward and into the mouths of the ways 10 and along said ways toward their closed or outer ends to the position seen in Fig. 1 in full lines. Along the cross piece 6 and cross piece 12 extending therefrom is secured a guiding face or blocks 13 at the rear of main section 1. The free end of head section 4 has friction rollers 14 shown in Fig. 1 as resting against guiding face 13 and as the bed is

closed said rollers 14 ride along and move away from guiding face 13 so that when the bed is closed the head section rests with part 50 of its under edge against guide face 13.

The head section 4 has a cross piece or slat 5 to which is secured one end of the flexible bed bottom 16 familiar in folding beds. This bottom 16 is also secured or tacked at the sides to the head section at 17. The other end of the bottom is secured to cross piece 18 in the foot section and when the bed is opened the bottom passes from its slack or curved condition shown in Fig. 2 to the stretched position shown in Fig. 1. The engagement of lugs 11 with guides 10 will prevent the tension of bottom 16 from swinging the head section 4 about pivot 5 to carry the free or inner end of the head section up or out of the main section, and the bottom 16 remains stretched. 65

The flexible bottom 16 will support a mattress 19 and bedding as usual and said head and foot sections have slats 20, 21 for supporting springs over which said flexible bottom extends. The foot board 22 can be swung into the foot section when it is to be closed, and the swinging legs 23 can be held in supporting position by brace 24, which when the bed is to be folded can be swung inward as seen in Fig. 2. The bottom of the foot section is advantageously closed by a plank or back 25 terminating in cross piece 26 against which brace 24 can get a hold. 80

The head section it is noticed is free from the main section when the bed is closed, and only comes into engagement with the main section by means of the guides 10 and supports 11 when said supports engage the guides on the opening of the bed. 85

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

1. In a folding bed comprising a main section, a foot section and a head section, the combination of guides attached to the sides of the main section, a guiding face arranged in the rear of said guides, and lugs or supports secured to the head section and adapted 90

to pass into and out of the guides, said head section being guided by said guiding face, substantially as described.

2. In a folding bed comprising a main section, a foot section and a head section, the combination with guides or ways attached to the main section, lugs or supports attached to the head section and adapted to pass in and out of said guides, a friction roll carried
10 by the free end of the head section, and a

guiding face, for guiding said lugs into and out of said guides as the bed is folded and unfolded, substantially as described.

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

MARKS SAMUELS.

Witnesses:

W. C. HAUFF,

E. F. KASTENHUBER.