

(No Model.)

2 Sheets—Sheet 1.

H. HASSIEPEN.
COMBINED FOLDING BED AND TABLE.

No. 540,982.

Patented June 11, 1895.

Fig. 1.

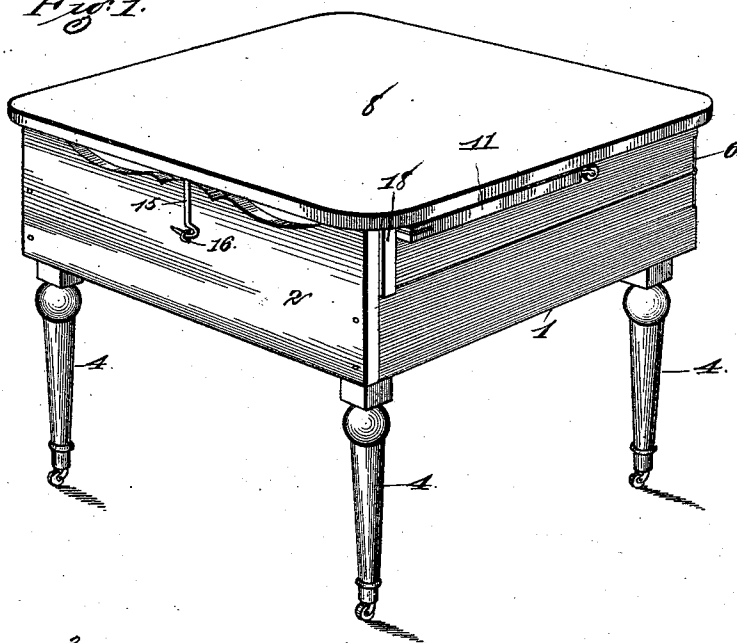
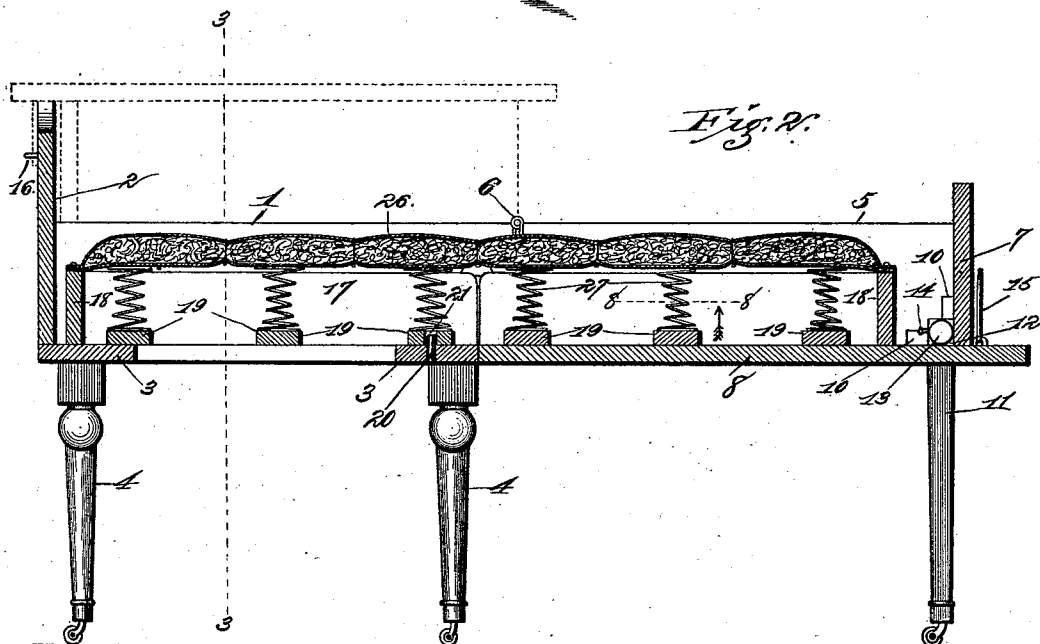


Fig. 2.



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Fig. 3.

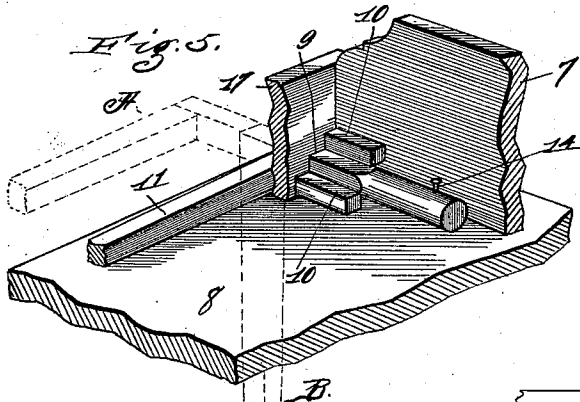
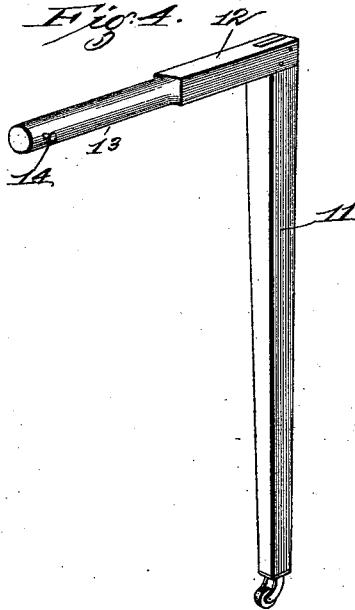
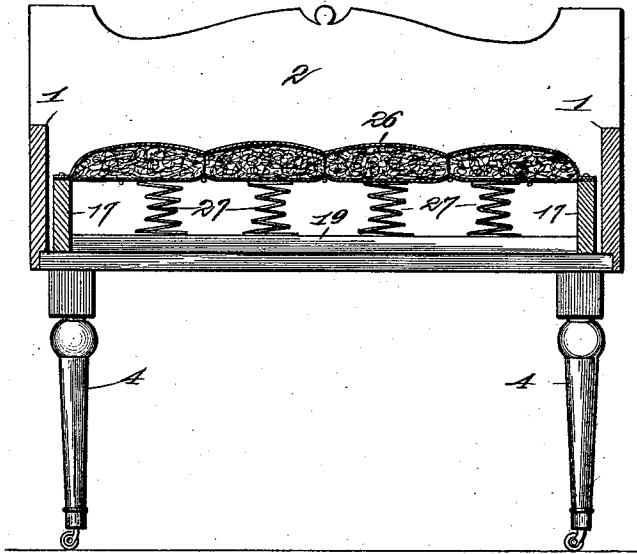


Fig. 6.

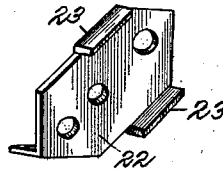


Fig. 8.

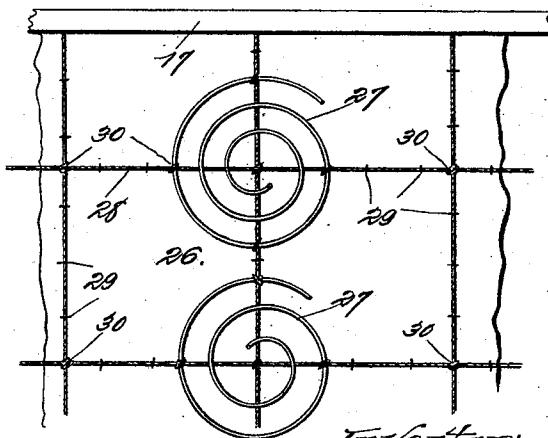
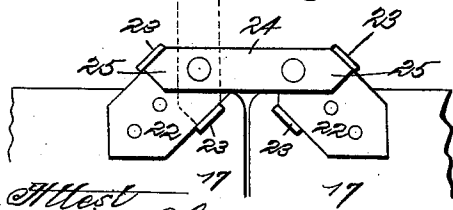


Fig. 7.



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UNITED STATES PATENT OFFICE.

HUGO HASSIEPEN, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF TO
BERNARD STOCK, OF SAME PLACE.

COMBINED FOLDING BED AND TABLE.

SPECIFICATION forming part of Letters Patent No. 540,982, dated June 11, 1895.

Application filed February 18, 1895. Serial No. 538,770. (No model.)

To all whom it may concern:

Be it known that I, HUGO HASSIEPEN, of the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in a Combined Folding Bed and Table, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to a combined folding bed and table and is an improvement on the combined folding bed and table, a patent for which was granted me on February 12, 1895, No. 534,066, and consists in the novel construction, combination and arrangement of parts, hereinafter described and claimed.

In the drawings, Figure 1 is a view in perspective of my improved folding bed and table, the same being folded up and in table form. Fig. 2 is a longitudinal sectional view of my improved folding bed and table, the same being opened and in the form of a bed. Fig. 3 is a cross-sectional view taken, approximately, on the indicated line 3 3 of Fig. 2. Fig. 4 is a view, in perspective, of one of the folding legs of which I make use in carrying out my invention. Fig. 5 is a detail view, in perspective, showing the means employed for locating and holding the folding leg. Fig. 6 is a view, in perspective, of one of the hinge-plates used in hinging the mattress-frame together. Fig. 7 is a side elevation of one of the hinges of which I make use in hinging the spring-mattress frame together. Fig. 8 is a sectional view taken, approximately, on the indicated line 8 8 of Fig. 2 and looking in the direction as indicated by the arrow in said figure.

Referring by numerals to the accompanying drawings, 1, 1 indicate side pieces, which, together with the head-board 2 and transverse pieces 3, 3, comprise a rectangular frame work which is the stationary portion of my improved folding bed and table, and is supported on suitable legs 4 that are provided with casters of any common construction.

5, 5 indicate side-pieces of the folding or movable portion of my improved device, the same being of similar size, in alignment with, and hinged to the side-pieces 1, 1 by means of ordinary strap-hinges 6. A foot-board 7 connects the ends of these side-pieces 5, 5, and a

rectangular piece 8 secured to the side pieces 5 and foot-board 7 performs the function of a table top when the device is used as a table, and acts as a flooring when the device is used as a bed.

Formed in each of the side-pieces 5 adjacent where the foot-board 7 and rectangular piece 8 join with said side-pieces are rectangular apertures 9, and fixed to the foot-board 7 and rectangular piece 8 adjacent these rectangular apertures 9 are guide-blocks 10.

Legs for the movable or folding portion of my improved device are constructed of rectangular pieces 11 similar in length to the legs 4 and provided with ordinary casters at their lower ends. The upper ends of these pieces 11 are framed into horizontally arranged blocks 12, the ends 13 of which are rounded and provided with pins or screws 14 which act as stops to prevent the legs from being accidentally removed after having been properly positioned. The blocks 12 are of such a size as that they will pass through and snugly fit in the apertures 9, and when said blocks are in proper position the same will be effectually held from any possible rotary movement by the engagement of the guide-blocks 10 against two of the faces of each of said blocks 12.

When the device is folded and being used as a table, the legs 11 are located directly upon and lie parallel with the rectangular piece 8 and adjacent the side-pieces 5. This location of the legs may be more readily perceived by reference to Fig. 5.

When the device is unfolded and to be used as a bed, the blocks 12 are withdrawn from engagement with the guide-blocks 10 and rectangular apertures 9, or to a position approximating that indicated by dotted lines A in Fig. 5. By reason of the pins 14 the blocks 12 cannot be withdrawn too far from the rectangular apertures 9 and guide-blocks 10, and when so withdrawn the circular ends 13 are located in the apertures 9 and between the guide-blocks 10. The legs 11 are now free to be thrown into vertical planes, necessarily rotating the blocks 12 a quarter of a turn. When said legs have been so positioned, the same are moved toward the rectangular piece 8 and the rectangular portions of the blocks 12 enter the rectangular apertures 9 and to a

point between the guide-blocks 10. The legs 11 are thus brought into use when the device is used as a bed, and when so located assume a position as shown by dotted lines B in Fig. 5.

5 By means of a hook 15 secured to the rectangular piece 8 engaging in an eye 16 secured to the outside of the head-board 2, the movable or folding portion of the device is held in proper position when said device is folded
10 and being used as a table.

17 indicates the side-rails of the mattress-frame, 18 the end-pieces thereof, and 19 the transverse slats of said frame, said slats being framed into the side-rails or pieces 17 in
15 any suitable manner.

A dowel-pin 20 extends upwardly from one of the transverse timbers 3 of the main frame and engages in an aperture 21 in one of the slats 19, thus holding the mattress frame
20 against any lateral movement. Each one of the side-rails 17 is divided at its longitudinal center, and by means of specially formed hinges now to be described, the portion of the mattress frame that occupies a position within
25 the folding or movable portion of the device is allowed to be located or folded upon the stationary portion. Said hinges comprise plates 22 that are located and held in any suitable manner upon the outer surfaces and
30 adjacent the upper meeting edges of the two portions of the side-rails 17. Said plates 22 are set at angles relative the side-rails 17, and are constructed with oppositely arranged integral ears 23.

35 Short metallic bars 24 having V-shaped ends 25 are pivoted in any suitable manner to the upper ends of the plates 22. When the mattress-frame is unfolded and open, the bars 24 occupy horizontal planes and the upper
40 halves of the V-shaped ends 25 engage in the upper pair of ears 23. When the frame is closed and folded, the bars 24 occupy vertical planes and the remaining pairs of ears 23 are engaged by the outer portions of the
45 V-shaped ends 25. By extending the plates 22 a slight distance above the top edges of the side-pieces 17 and providing bars 24 of suitable length, the mattress frame does not fold closely together, and the mattress that is
50 attached to said frame is folded between the mating portions of said frame. Said mattress comprises a flexible sack or receptacle 26, the edges of which are fixed in any suitable manner to the top edges of the side-rails 17
55 and end pieces of the mattress frame, said sack or receptacle being filled with any of the various materials such as are usually employed in stuffing or filling mattresses.

Interposed between the body of the mattress and the slats 19 is a series of ordinary
60 mattress or bed springs 27. Said springs 27 are fixed to the top surface of the slats in any suitable manner, and the opposite ends thereof are held to the under surface of the mattress by means of cords or flexible strips 28
65 that extend longitudinally and transversely of the mattress and are stitched thereto, said

stitching being indicated by the numeral 29. Wherever these cords or flexible strips cross each other, and wherever they cross the top
70 coil of the springs 27, they are knotted or tied together as indicated by 30.

Assuming that the device has been in use as a bed and it is desired to fold and close the same, in order that it may be used as a
75 table, the operator manually lifts the lower end of the movable or folding portion and folds the same over and onto the immovable or stationary portion and into the position as indicated by dotted lines in Fig. 2. As the
80 side-rails 17 of the mattress-frame are hinged together and the mattress is flexible, said mattress and mattress-frame will necessarily be folded over when the device is folded. The
85 blocks 12 framed to the upper ends of the legs 11 are now withdrawn from the rectangular apertures 9, and said blocks are rotated a quarter of a turn, or until the legs 11 are in horizontal planes. Said legs are now moved
90 toward the sides 5 of the movable portion of the device, and the blocks 12 are again located in the rectangular apertures 9 and between the guide-blocks 10. This positions
95 said legs 11 directly beneath the extending edges of the rectangular piece 8 and adjacent the side-rails 5. The hook 15 is now engaged in the eye 16 to hold the movable part of the combined folding bed and table together, and
100 thus a complete and compact table is formed.

It will be plainly seen how by unfolding or
100 opening the device and locating the legs 11 in a vertical plane, said device can be very easily and quickly transformed into a bed.

A combined folding bed and table of this construction may be very easily and expedi-
105 tiously transformed from a bed to a table and vice versa, and is inexpensive and very compact.

What I claim is—

1. A combined folding bed and table, comprising a stationary frame, suitable supporting
110 legs for said frame, a folding frame hinged to the ends of the side-rails of the stationary frame, supporting legs for said folding frame, rectangular blocks having rounded ends and
115 fixed to and extending transversely from the upper ends of said legs, said blocks passing through rectangular apertures in the side-rails of the folding frame, and a mattress-frame constructed in two mating portions
120 hinged together at their meeting ends, said mattress frame being located in the stationary and folding frames.

2. In a combined folding bed and table, a stationary frame, suitable supporting legs for
125 said frame, a folding frame hinged to the ends of the side-rails of the stationary frame, the side-rails of said folding frame being constructed with rectangular apertures adjacent the foot-board of said folding frame, rectangular
130 guide-blocks located upon the foot-board and the base-board adjacent these rectangular apertures, suitable supporting legs for said folding frame, and rectangular blocks having

rounded ends and framed to the upper ends of the supporting legs and adapted to enter the rectangular apertures between the rectangular guide-blocks.

- 5 3. In a combined folding bed and table, the combination of a stationary frame, a folding frame hinged to said stationary frame, the side-rails of said folding frame being constructed with rectangular apertures adjacent
10 the foot-board, guide-blocks arranged upon the folding frame adjacent these rectangular apertures, and suitable supporting legs having

laterally projecting blocks that are adapted to enter the rectangular apertures, said blocks having rounded inner ends which allow said 15 blocks to be partially rotated when said rounded inner ends are located in the rectangular apertures.

In testimony whereof I affix my signature in presence of two witnesses.

HUGO HASSIEPEN.

Witnesses:

PRITCHARD SHORE,
JOHN C. HIGDON.