A. F. BENT.

BED.

APPLICATION FILED NOV. 13, 1914.

1,201,923.

Patented Oct. 17, 1916.

3 SHEETS—SHEET 1.

Fig. 2.

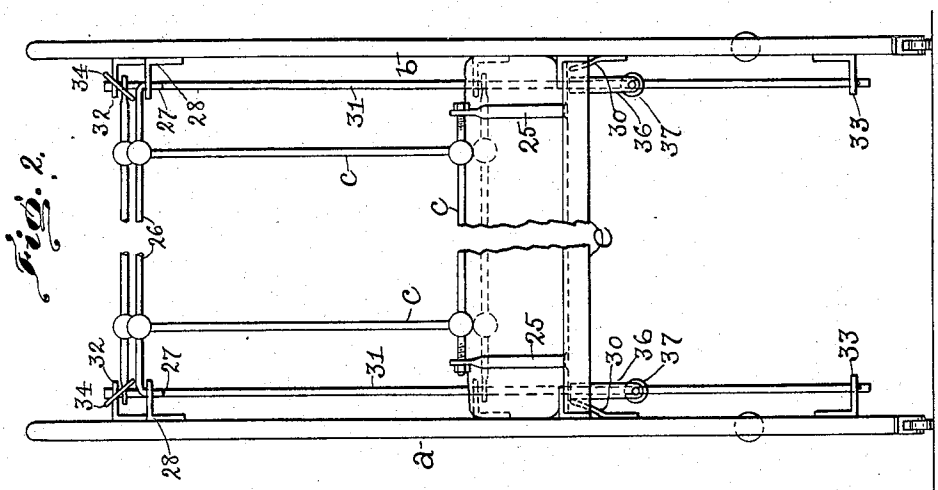
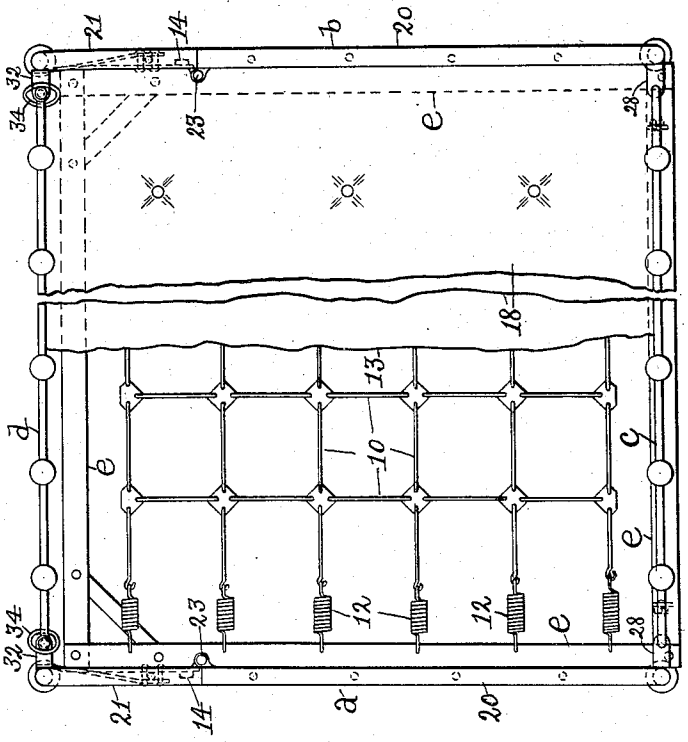


Fig. 1.



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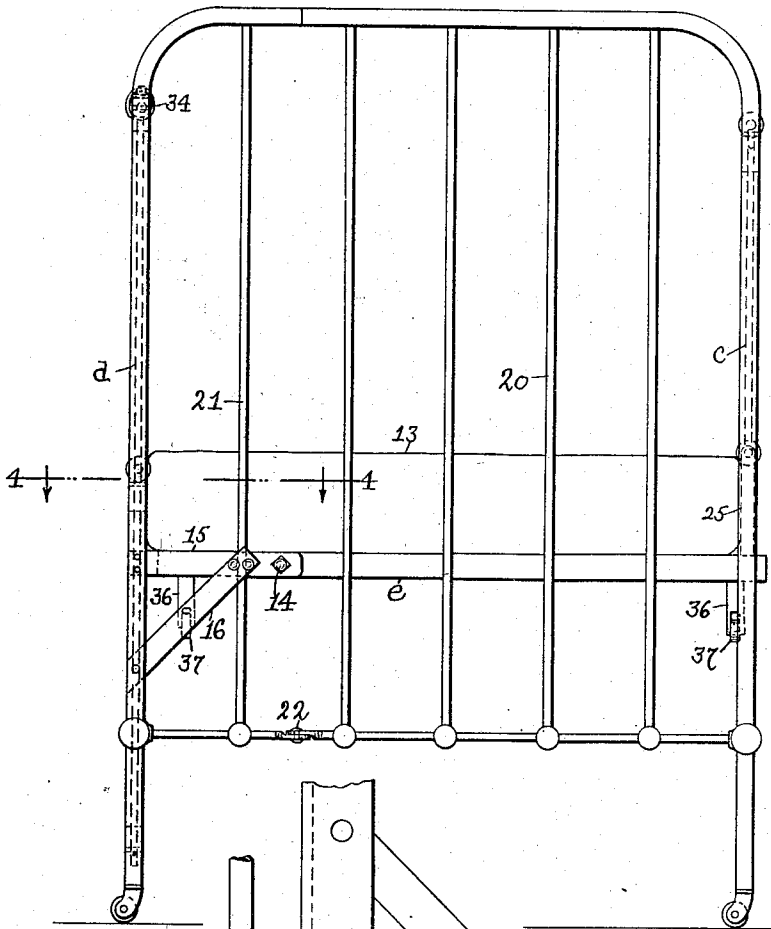
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3 SHEETS—SHEET 2.

Fig. 3.



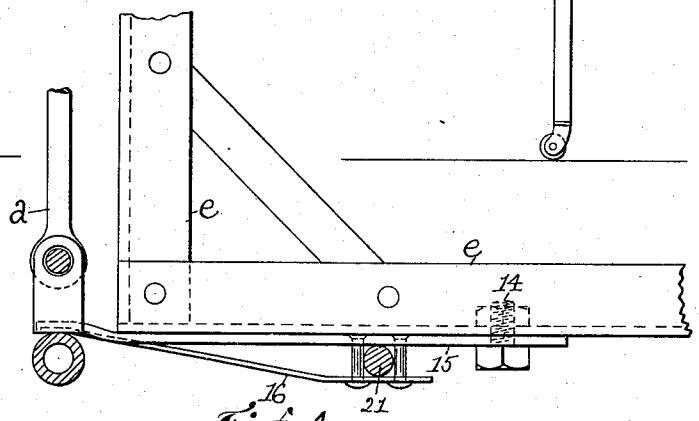


Fig. 4.

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3 SHEETS—SHEET 3.

Fig. 6.

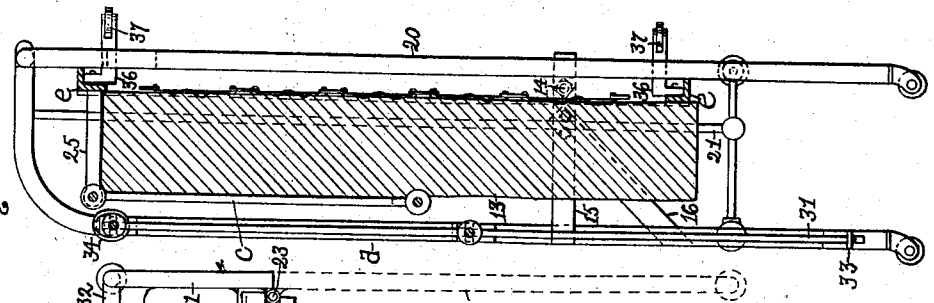


Fig. 5.

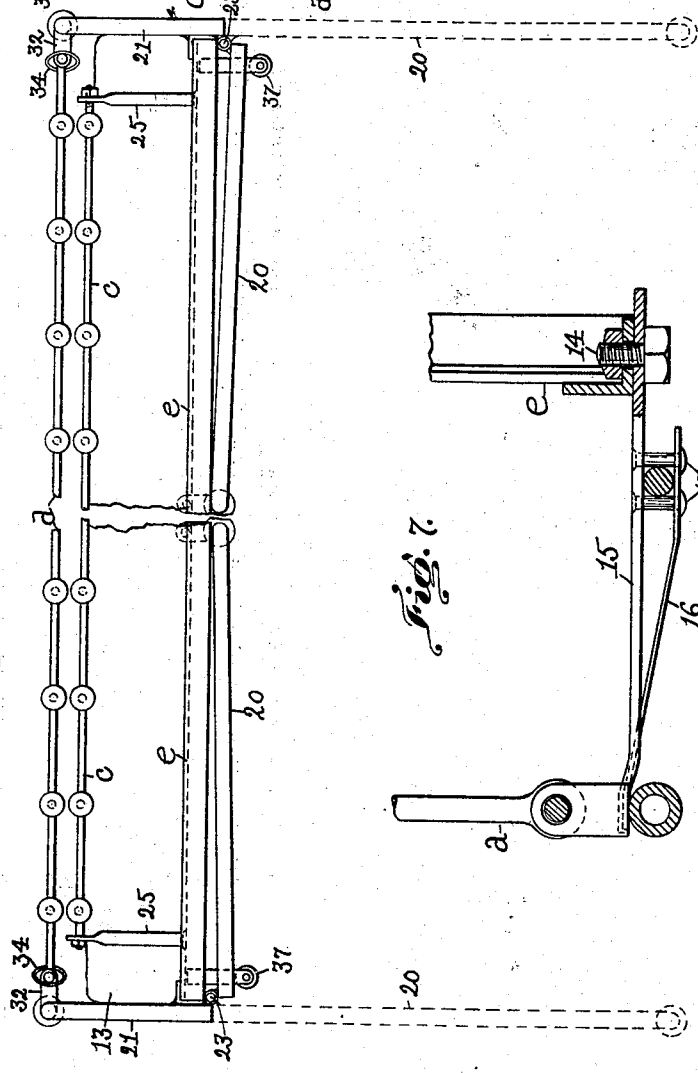


Fig. 7.

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UNITED STATES PATENT OFFICE.

ARTHUR F. BENT, OF SWAMPSCOTT, MASSACHUSETTS, ASSIGNOR TO G. W. BENT CO., OF BOSTON, MASSACHUSETTS, A CORPORATION OF MAINE.

BED.

1,201,923. Specification of Letters Patent. Patented Oct. 17, 1916.

Application filed November 13, 1914. Serial No. 872,036.

To all whom it may concern:

Be it known that I, ARTHUR F. BENT, a citizen of the United States, residing in Swampscott, in the county of Essex and State of Massachusetts, have invented an Improvement in Beds, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention relates to metallic beds and is herein shown as embodied in a bed of small size and commonly known as a crib, and has for its object to provide a metallic bed in which the mattress supporting frame is capable of being turned up into a substantially vertical position when not in use, and in which the head and foot frames in whole or in part are capable of being moved into a position parallel with the mattress supporting frame when the latter is in its vertical position, so that the metallic bed can be converted into a substantially narrow box-like structure when not in use, which is capable of being pushed under the regular or full sized bed or pushed up against the wall of the room during the daytime. These and other features of this invention will be pointed out in the claim at the end of this specification.

Figure 1 is a plan and Fig. 2 a side elevation with parts broken away, of a metallic bed embodying this invention. Fig. 3 is an end elevation of the bed shown in Fig. 1. Fig. 4, a detail in section on an enlarged scale, taken on the line 4—4, Fig. 3. Fig. 5, a plan of the bed in its folded-up position. Fig. 6, a vertical section of the bed in its folded-up position and Fig. 7, a section like Fig. 4 with the mattress supporting frame in its vertical position.

Referring to the drawings *a* represents the head frame, *b* the foot frame, *c*, *d*, the side frames and *e* the mattress supporting frame of a metallic crib or small sized bed embodying this invention.

The mattress supporting frame *e* may and preferably will be provided with a wire mattress bottom of known construction and composed of connected links 10 and springs 12, upon which the usual mattress 13 rests, when the bed or crib is in use.

The mattress supporting frame *e*, in accordance with this invention, is capable of being turned into a substantially vertical position when not in use, and for this purpose, it is mounted to turn on pivots 14, herein shown as bolts, which are extended through and supported by metal brackets or bars 15, extended horizontally from and attached to the head and foot frames *a*, *b*, said brackets or bars being strengthened by inclined braces 16, which are fastened at one end to the head and foot frames and at their other ends to the brackets 15, by rivets 17 or otherwise.

The mattress supporting frame *e* is pivoted materially nearer one side of the same than the other side, so that when turned up into a substantially vertical position as shown in Fig. 6, sufficient space is afforded between the mattress supporting frame and the adjacent side frame *d* of the crib, to enable the mattress 13 and the usual bed clothes 18, to be moved with the mattress supporting frame. When the mattress supporting frame is in a vertical position, it is desirable that the head and foot frames *a*, *b*, should not be left in their normal position but should be capable of being turned in whole or in part into a position substantially parallel with the mattress supporting frame in the vertical position of the latter. This may be effected by making the head and foot frames capable of pivoting as one piece, but it is preferred to make each of the head and foot frames in two parts marked 20, 21, and pivot said parts together as at 22, 23, so that one part as 20 of each frame may be turned toward the other and substantially parallel with and in front of the mattress supporting frame as represented in Figs. 5 and 6. The pivots 22, 23, are preferably located so that the free ends of the parts 20 of the frames *a*, *b*, are beyond a vertical plane through the said pivots when the parts 20 are turned against the mattress supporting frame.

It is preferred to make the head and foot frames in two parts and pivot them together as described, as the crib when folded up has a box-like shape, and further can be folded up into this shape with the rear side of the crib in close proximity to the wall of a room, or to the regular bed in the room.

The front side frame *c* is capable of being folded over upon the mattress 13 and for this purpose, said side frame is pivotally

connected with upright bars 25 attached to the front side bar of the mattress supporting frame *e*, see Fig. 2.

Provision is made for securing the side frame *c* in a vertical position, when the crib is to be used, and for this purpose the top bar or rod 26 of the side frame is provided with downwardly extended end portions 27 which are adapted to fit into holes in brackets or arms 28 attached to the head and foot frames, see Figs. 1 and 2. Provision is also made for supporting the mattress supporting frame *e* at the outer ends of the latter, and for this purpose, brackets or arms 30 are attached to the head and foot frames and are engaged by the mattress supporting frame, when the latter is in its horizontal or operative position, see Fig. 2.

The rear side frame *d* may be made stationary or as herein shown, it may be arranged to be dropped vertically down, so as to leave the crib open at its rear side when desired. To this end the top and bottom bars of the side frame *d* are fitted to slide on vertical stationary rods 31 secured to brackets 32, 33, on the head and foot frames, and said side frame may be secured in its elevated or operative position by rings 34, which are passed over the upper ends of the guide rods 31 and are capable of being disengaged therefrom and of being hung from the top bar of the side frame, when it is desired to lower said side frame, or said side frame may be otherwise secured.

Provision is made for supporting the bed upon the floor of the room, when said bed is in its folded-up condition, and to this end, the mattress supporting frame has secured to its under side, preferably at the corners thereof, substantially short legs or bars 36 which are provided with casters or rollers 37 to facilitate movement of the bed on the floor, especially when it is desired to push the crib under the regular or full size bed.

The legs 36 are made of sufficient length to project beyond the parts 20 of the head and foot frames, when said parts are in their folded position shown in Figs. 5 and 6.

I have herein represented one construction of bed embodying this invention, but it is desired not to limit the invention to the particular construction shown.

For sake of distinction, the parts 20 of the head and foot frames may be designated movable members, and the parts 21 stationary members.

Claim:

In a bed, in combination, head and foot frames provided with stationary members and with movable members pivoted to the stationary members to be turned into a position substantially at right angles thereto, brackets attached to said stationary members and extended horizontally toward said movable members, a mattress supporting frame located between said head and foot frames and pivoted intermediate of its sides to said brackets to be turned into a substantially vertical position, a side frame connecting the stationary members of said head and foot frames, and a side frame connected with said mattress-supporting frame and pivoted thereto to be folded over upon the mattress-supporting frame and having its upper end detachably secured to the movable members of said head and foot frames.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

ARTHUR F. BENT.

Witnesses:

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J. MURPHY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."