

T. S. JUDD.
Bed-Bottoms.

No. 147,330.

Patented Feb. 10, 1874.

Fig. 1

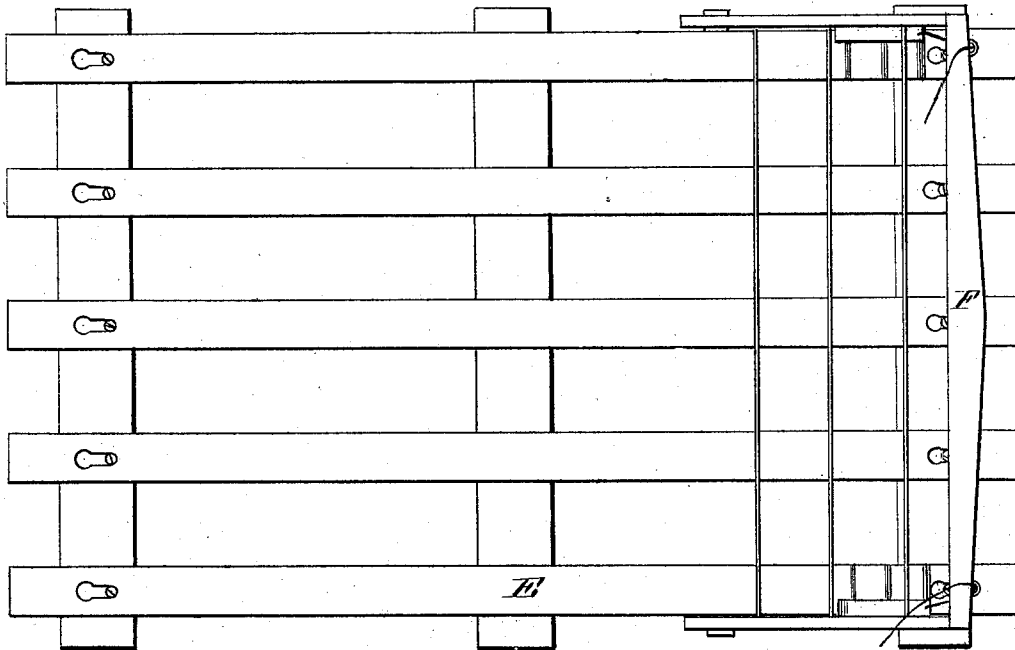
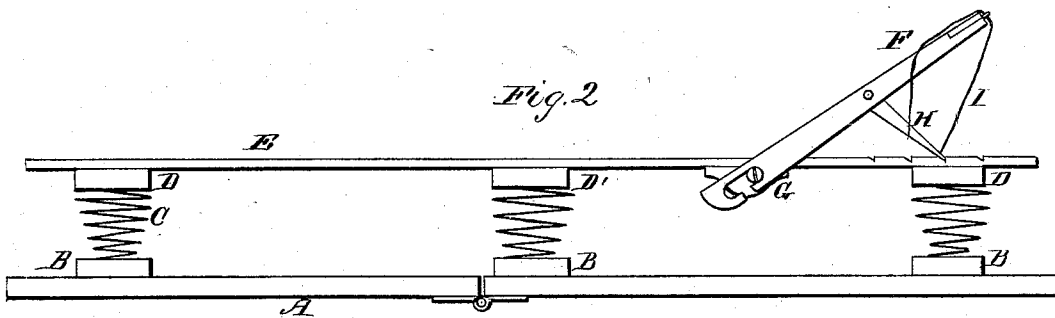


Fig. 2



Witnesses

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THEODORUS S. JUDD, OF ELMIRA, NEW YORK.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **147,330**, dated February 10, 1874; application filed September 12, 1873.

To all whom it may concern:

Be it known that I, THEODORUS S. JUDD, of the city of Elmira, in the county of Chemung and State of New York, have invented certain Improvements in Bed-Bottoms, of which the following is a specification:

The first part of my invention relates to the construction and arrangement of slats and springs in such manner that they may be readily taken apart and put together for use, and readily suited to any ordinary bedstead, and be readily taken apart for cleaning and transporting.

The second part relates to the method of making the frame so that it may be folded, and making the slats with a mortise in each end by which they are fastened to the end cross-pieces; also, making a middle cross-piece with springs so that the upper piece will keep in proper position.

The third part relates to the construction of an adjustable head-rest, with the means of supporting and attaching and detaching it.

Figure 1 is a top view, and Fig. 2 a side view.

A is one of the support-bars that are placed lengthwise of the bottom. They may be made any convenient size or length, and are provided with a hinge near the middle of their length that will allow them to be folded for removal or transportation. B B and B are lateral support-bars or cross-pieces that are fastened to the support-bars A, where they cross each other. Their length should be the same as the width of the bedstead on which they are used. On their upper surface the springs are fastened in any ordinary manner. C is one of a series of coiled springs. The lower ends are fastened to the lateral support-bars B, and their upper ends to the lateral support-bars D. Any required number of springs may be used, and more should be put between the middle slats than between those at the ends. D D and D' are lateral support-bars that are placed across the bottom, and rest upon the top of the springs. They are made wider than the lower slats, so that the slats E will hold them in position under all circumstances, and prevent them being turned by the action of the springs while in use. In the upper surface of the end slats are put bolts or screws for the purpose of holding the slats

E to them. The lateral support-bar D' must be made wide, so that the slats E resting upon it will hold it in position without the aid of bolts or screws. E is one of a series of slats that are placed lengthwise of the bottom. They are placed upon the cross-slats D, and constitute the upper surface of the bed-bottom. Any desired number of these slats may be used. Near each end there is a hole made as large as the head of the screw that holds them in position. From the hole is a slot as wide as the diameter of the body of the screw, which will allow the slats to be moved endwise a proper distance, and thus fasten these slats to the end slats D.

If desired, the screws may be turned down sufficient to hold them, and by so doing the whole bottom is securely fastened together.

For transportation these slats may be removed and bound together, and the other parts may be folded by means of the hinges on the support-bars A, to make it convenient to get it to and about the various places where it may be used. F is the head-rest. It is made with a piece extending across the width of the bottom, and has a side piece at each end. The side pieces are pivoted to blocks that are fastened to the under side of the slats E, as shown in Fig. 2. These side pieces have a peculiar mortise, G, in the lower end of each that will allow them to be placed on the pivots, and keep them on until they are purposely removed. Across the head-rest cords may be applied as much as is desired, by passing the cord from one side piece to the other. The rest is held in any required position by means of the props H, one attached to each side piece with a pivot so that the props may fall into the notches in the upper surface of the slats E. I is a cord that is fastened to the props, and is passed over the top of the rest so that the person occupying the bed may lower the head-rest at will.

I claim as my invention—

The combination of the jointed support-bars A, with the lateral support-bar D', slats E, and the hinged head-rest F, all constructed and arranged substantially as shown and described.

THEODORUS S. JUDD.

Witnesses:

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