(No Model.)

E. A. SAWYER.

BED BOTTOM.

No. 265,706. Patented Oct. 10, 1882.

Fig. 1.

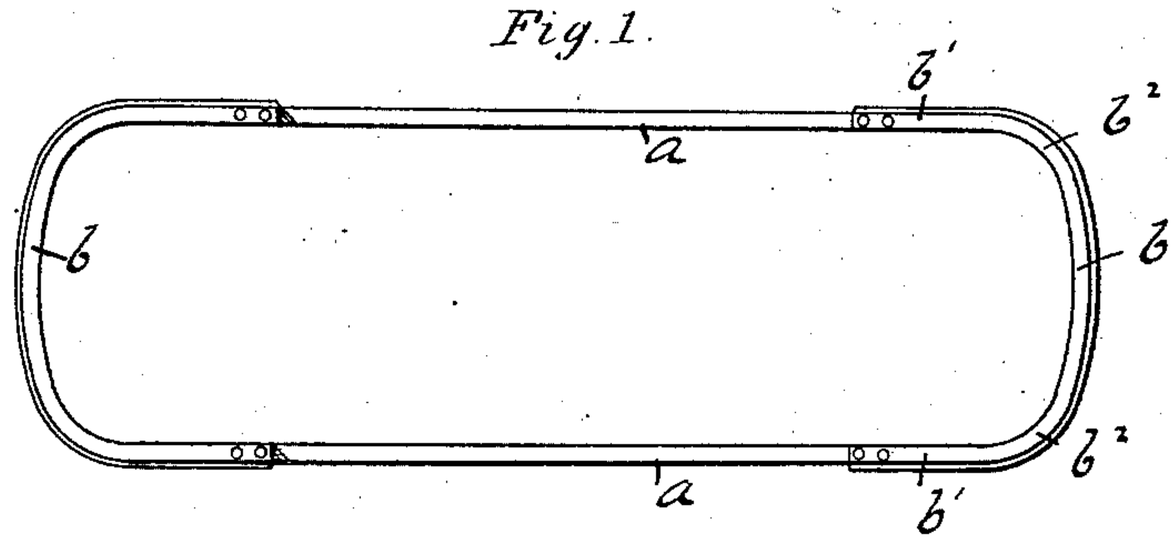


Fig. 2.

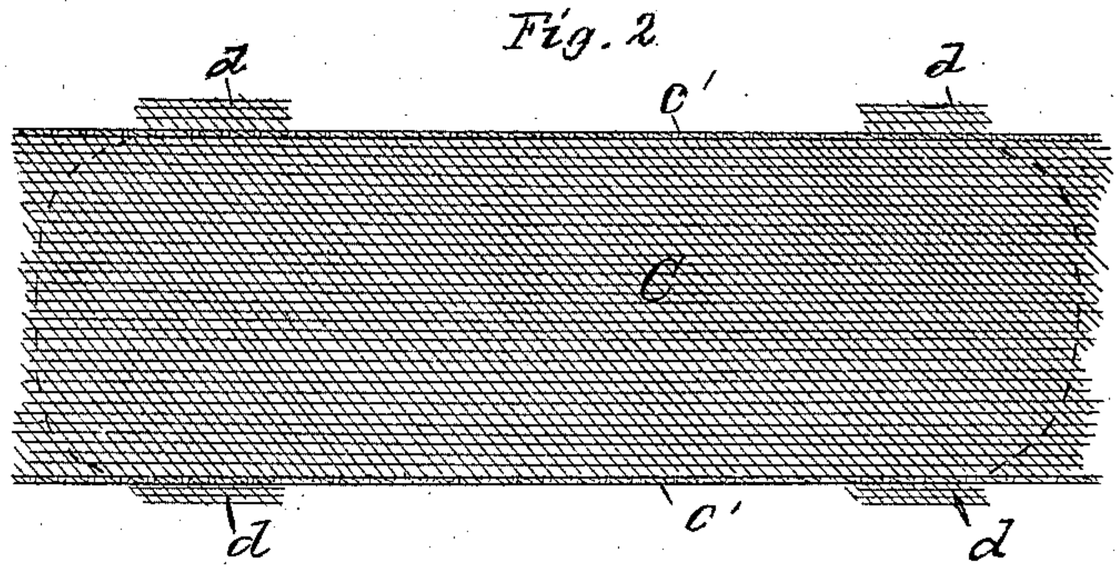
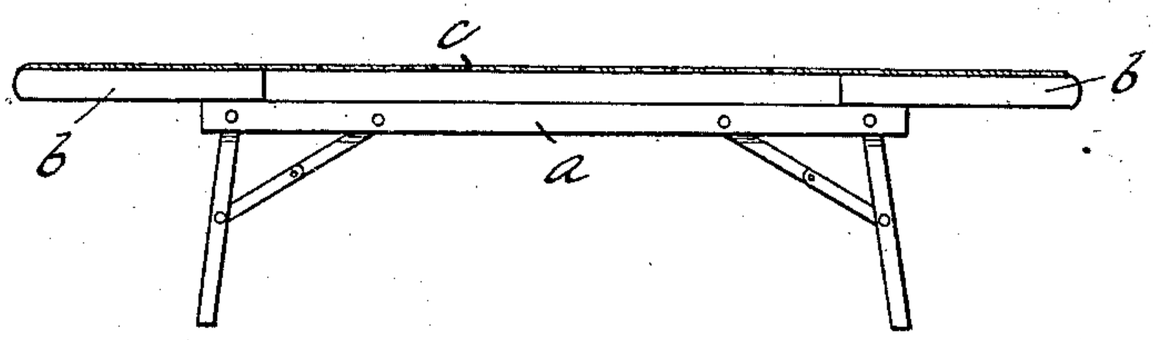


Fig. 3.



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UNITED STATES PATENT OFFICE.

ENOCH A. SAWYER, OF CHESTER, ASSIGNOR TO THE PEERLESS WIRE MATTRESS COMPANY, OF HARTFORD, CONNECTICUT.

BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 265,706, dated October 10, 1882.

Application filed July 26, 1882. (No model.)

To all whom it may concern:

Be it known that I, ENOCH A. SAWYER, of Chester, in the county of Middlesex and State of Connecticut, have invented certain new and useful Improvements in Bed-Bottoms, of which the following is a description, reference being had to the accompanying drawings, where—

Figure 1 is a top view of the frame. Fig. 2 is a top view of the wire-web fabric. Fig. 3 is a side view of the bed-bottom.

My improvements relate to the class of bed-bottoms especially adapted for holding a mattress of wire-web or woven-wire fabric; and it consists in the end rails, formed of a continuous piece, preferably of wood, and the peculiar shape of the mattress, which is secured to the end rails only, and holds them in form, and in certain other features hereinafter more fully described.

In the accompanying drawings, the letter *a* denotes the side rails, preferably of wood; *b*, the end rails, also of wood, formed of a continuous piece, with rounded corners b^2, and tangents *b'*, which extend a short distance along the sides of the bed-bottom, and are secured upon the upper edge of the side rails by bolts or similar means.

The wire-web mattress denoted by *c* is woven in rectangular form, slightly longer than the completed bed-bottom, and has outside of the strengthening-cord *c'*, at its edges, several (usually four) wings of webbing like the center fabric.

To assemble the structure the fabric is placed upon the end rail, turned over its top edge and outer side, nailed to it, and a curved ribbon of wood conforming in outline and width to the end rail fastened outside of the fabric, thus holding it between the two pieces. The wings *d* are in the proper position to fit over the tangential parts *b'* of the end rails, and are firmly fastened to them, the surplus webbing being trimmed off in line with the bottom edge of the end rail. The fabric, having been thus fastened to an end rail at each end, is subjected to a pull or strain in the direction of its length of about one thousand pounds, and the side rails are then firmly bolted to the parts *b'* of the end rails. The wire web is thus held firmly stretched between the end rails, which it serves to hold in shape under any usual weight which may be placed upon the mattress, and it is also elevated above the side rails a distance equal to the thickness or height of the end rails.

By hinging or pivoting legs to the side rails a very light compact cot-bed is formed, and to this class of beds my invention is especially adapted.

I claim as my invention—

1. In a bed-bottom, in combination, side rails, *a*, continuous curved end rails, *b*, and wire-web mattress *c*, having wings *d*, adapted to be secured to the tangential portions of the end rails, all substantially as described.

2. In a bed-bottom, a wire-web mattress, *c*, having wings woven outside of the side cord, *c'*, and adapted to be fastened to a curved and continuous end rail, whereby the latter is held in shape, all substantially as described.

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