

H. J. Hale,

Bed Bottom.

N^o 82,829.

Patented Oct. 6, 1868.

Fig. 1.

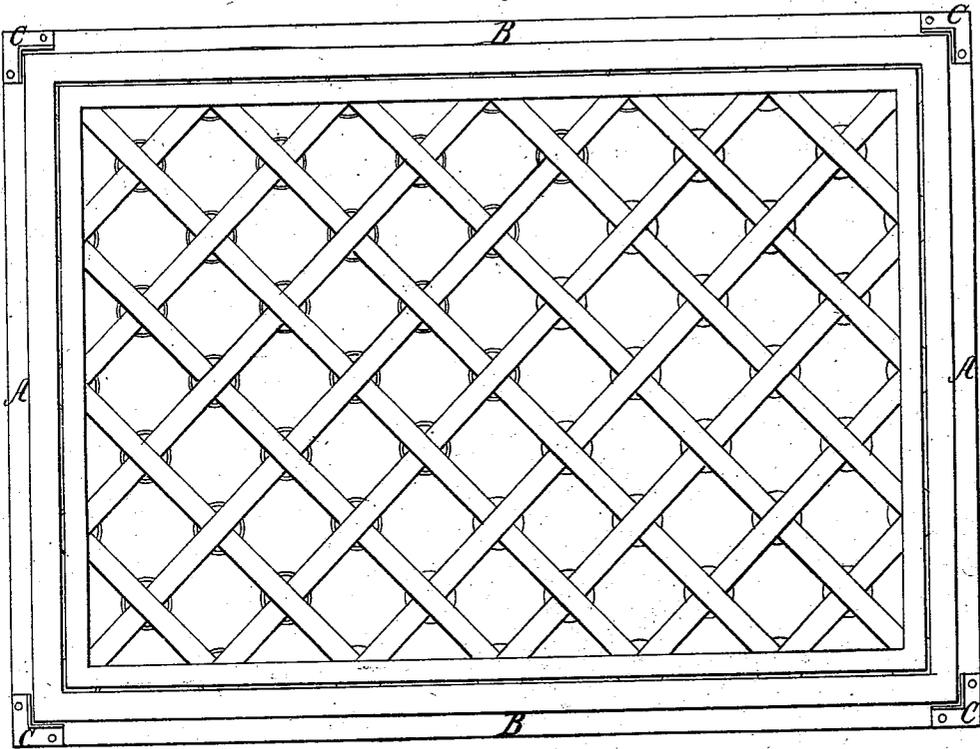


Fig. 2.

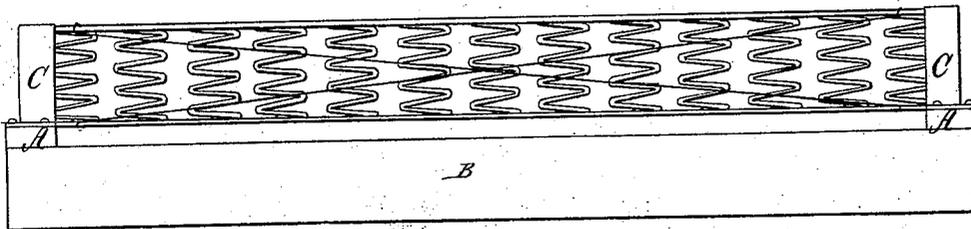
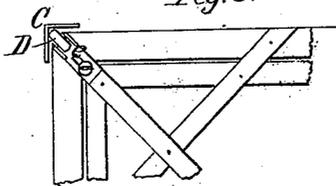


Fig. 3.



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UNITED STATES PATENT OFFICE.

HENRY J. HALE, OF INDIANAPOLIS, INDIANA.

IMPROVED BED-BOTTOM.

Specification forming part of Letters Patent No. 82,529, dated October 6, 1868.

To all whom it may concern:

Be it known that I, HENRY J. HALE, of Indianapolis, in the county of Marion, and State of Indiana, have invented new and useful Improvements in Spring-Bed Bottoms; and I do hereby declare that the following description thereof, referring to the accompanying drawing, is sufficiently full, clear, and exact, to enable skilled artisans to make and use the same.

This invention relates to preventing lateral motion in the upper frame of metal-framed spring-bed bottoms, and to improved construction of the frames of which it is composed; and it consists in attaching friction-rollers to the under side, and at the corners of the upper frames, arranged to run in vertical triangular guide-pieces, set at the corners, and placed so as to allow the bed-clothes to be tucked down around the corners, and which also prevent the frames from chafing and cutting the bed-clothes.

Figure 1 is a top or plan view of a metallic spring-bed bottom, with my improved device for preventing lateral motion of the upper frame attached thereto.

Figure 2 is a side view of the same.

Figure 3 is a view of one corner of the upper frame, inverted, to show the arrangement and relation of the friction-rollers attached thereto, and the corner guide-pieces.

Similar letters of reference indicate the same parts in the several figures.

The upper and lower frames enclosing the springs are constructed of hoop-iron slats, riveted together, as shown in fig. 1, and the springs are fastened by their ends to the slats in the usual manner.

The ends of the lower frame rest on wooden slats, A, that are supported by the rails, B, of the bedstead.

The corner guide-pieces C are fixed to the slats, A, by screws, as shown in figs. 1 and 2.

Friction-rollers, D, are hung in adjustable bearings, e, attached to the under side of the upper frame, at the corners, as shown in fig. 3, and are to be adjusted to the corner guide-pieces C, so as to allow the upper frame to move freely in a vertical direction, but to prevent its moving laterally. I also employ wires, as indicated in red lines, attached by their opposite ends to the upper frame at the right-hand corner, and to the lower frame at the left-hand corner, and *vice versa*, as shown, to aid in preventing lateral motion.

When arranged in this way, the spring-bed bottom can be made sufficiently smaller than the bedstead, to allow the bed-clothes to be tucked down around it in the modern manner, and the guide-pieces C will prevent the angles of the frames from chafing and cutting the bed-clothes.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The corner guide-pieces C, in combination with the friction-rollers D, hung in adjustable bearings, e, attached to the upper metallic frame, substantially as and for the purpose set forth.

HENRY J. HALE.

Witnesses:

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