

S. HAWKER.
Bed-Bottom.

No. 212,930.

Patented Mar. 4, 1879.

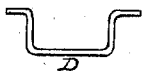
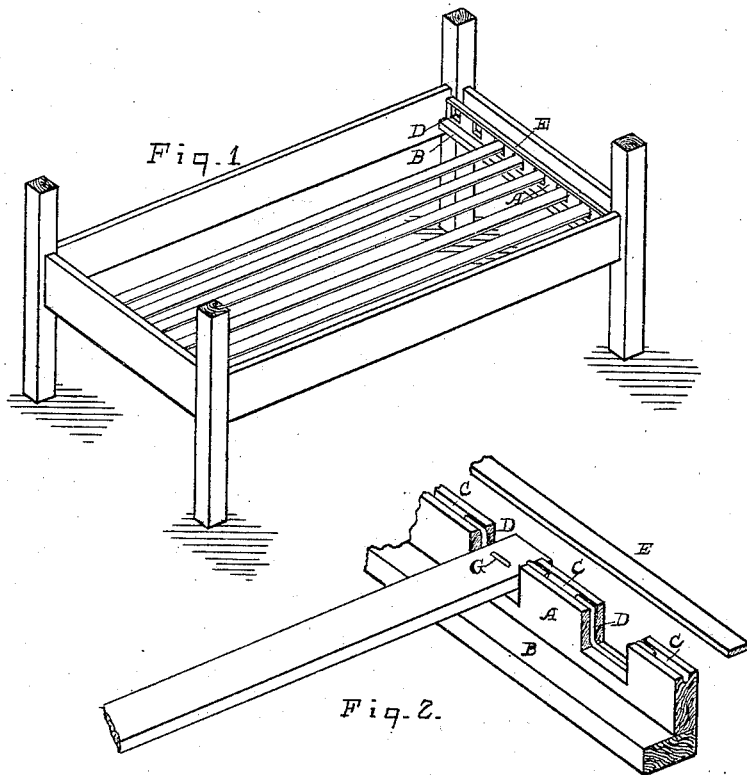


Fig. 3.

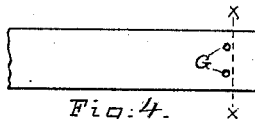


Fig. 4.



Fig. 5.

Witnesses:
John A. Hughes
O. J. Bailey

Inventor:
Simon Hawker
By J. S. Perbe
Atty.

UNITED STATES PATENT OFFICE.

SIMON HAWKER, OF CINCINNATI, OHIO.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **212,930**, dated March 4, 1879; application filed February 23, 1878.

To all whom it may concern:

Be it known that I, SIMON HAWKER, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Reversible Bed-Bottoms, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a perspective view of a bed supplied with my slats. Fig. 2 is an enlarged perspective view, showing the attachment of the slat. Fig. 3 is a detail drawing of the hanger for slat. Fig. 4 is a view of the lower side of the slat, and Fig. 5 is an end sectional view of Fig. 4 through the line *x*.

My invention relates to an improvement in reversible bed-bottoms, by means of which the slats can be easily taken out and replaced or reversed; and it consists of end pieces provided with notches, in which wire hangers are hung, upon which are adjusted the slats, as will hereinafter be more fully described.

In manufacturing my bed-bottom, I prepare pieces A, the edges of which are firmly screwed or otherwise fastened to the flat side of a similar piece, B, near one of its edges. In the vertical piece A, I cut notches, which are somewhat larger than the width of the slat. On the upper edge of the piece A, I run a three-sixteenth groove, or larger, and about one-fourth of an inch deep.

Fig. 3 represents a hanger made preferably of wire, three-sixteenths of an inch in thickness, having journals. This hanger is placed in the notches, the journals falling into the groove C. A cap, E, is then placed upon the piece A, to prevent the hangers from coming out.

The slat at each end is provided with a wire staple, G, the legs of which are of sufficient length to project a little beyond the under surface of the slat when driven through the same, the protruding legs of the wire forming the projections on the other side.

The slat, on being placed in the notch on the hanger D, engages with the staple G, preventing the slat from being withdrawn.

The piece A is fastened at the ends to the

posts directly, thereby relieving the head-piece from receiving the strain.

The slats can also be applied crosswise by putting the pieces A B along the side of the bed instead of the end, as shown in the drawings.

In all bed-bottoms where spring-slats are used no provision is made for the longitudinal contraction and expansion of the slats, and in many cases the movement laterally is too free, causing displacement of the mattress or bed.

I obviate this by my improvement, since the hangers prevent a lateral motion, while they allow of longitudinal contraction and expansion by pressure on the slats, and this also gives greater freedom to the spring in the slat.

I am aware that the slats of a bed-bottom have heretofore been swung by means of staples attached to the slats, and provided with hooked ends pivoted on end rods attached to the slat-supports, as shown in Letters Patent granted to B. Griffin, No. 67,647, dated August 13, 1867; and I am also aware that slats have heretofore been permanently secured to hangers playing in grooves, as shown in Letters Patent granted to Holden and Bocket, No. 90,171, dated May 18, 1869, and I therefore lay no claim to such inventions.

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

In a bed-bottom, the reversible longitudinal slats provided with the staples G, having their ends or legs projecting below the under face of the slats, in combination with the notched and grooved end slat-supports, having caps E and the hangers D, the whole constructed and arranged to operate in the manner and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 16th day of February, A. D. 1878, in the presence of witnesses.

SIMON HAWKER.

Witnesses:

J. S. ZERBE,
O. J. BAILEY.