L. Whitehead, Sr.,

Folding Bed.

No. 113,231. Patented Mar. 28, 1871.

Fig. 1.

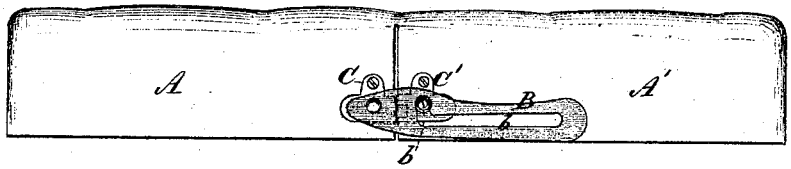


Fig. 2.

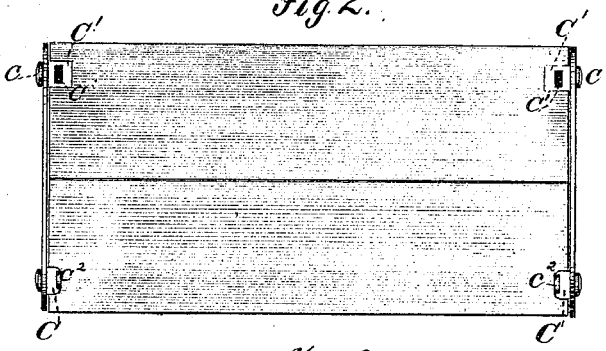
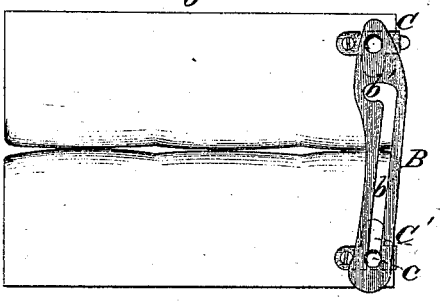


Fig. 3.



Witnesses.

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LEWIS WHITEHEAD, SR., OF BROOKLYN, NEW YORK.

Letters Patent No. 113,231, dated March 28, 1871.

IMPROVEMENT IN FOLDING-BEDS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, LEWIS WHITEHEAD, Sr., of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Folding-Beds; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing forming a part of the same, and in which—

Figure 1 represents a side view of my bed in an extended position;

Figure 2, a rear view thereof when folded; and

Figure 3, a side view of the same when folded.

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

This invention relates to an improved folding-bed; and

It consists of an ordinary spring-bed, so constituted as to be of sufficient stiffness or rigidity to form a base or resting-surface of itself when in use, so that it can be used with or without the bedstead, and constructed in such a manner as to permit of being folded, so that the parts of which it is composed shall rest flush with each other when brought together, without straining either the spiral springs or the stuffing out of shape; and of pivoted, slotted, and recessed braces, in combination with projections or lugs, the plates to which the latter are fastened, and by means of which they are attached to the rigid portion of the bed, being bent at right angles, and provided with projections or bolts which enter apertures cut in the bed; and the right-angular portions of the plates, to which are fastened or otherwise secured the pivots of the slotted braces, substantially as hereinafter shown and described.

To enable those skilled in the art to which my invention appertains to make and use the same, I will proceed to describe its construction and operation.

In the annexed drawing—

A A′ refer to the bed, which is composed of two or more parts or frames, constructed of wood or other suitable material, with spiral springs attached thereto and secured in the usual manner, and stuffed or upholstered with suitable material, the aforesaid parts being connected together at the top or surface in such a manner as to form a hinge therefor, whereby they may be folded together so as to permit of the lower surface of the upper one resting flush with the upper surface of the lower one of the said parts, as shown in fig. 3, thereby preventing either the spiral springs or the stuffing from being strained and forced out of their natural position and shape when the parts are folded together, an advantage only obtained by such hinging of the parts, as above stated.

B B refer to metal braces, which are pivoted to pivots formed upon or otherwise secured to the plates C C, fastened with one portion of their surfaces to the sides, and the other or right-angular portions to the rear or inner end of the part A of the bed, by any suitable means, as seen in figs. 1 and 2.

The braces B B are supplied with longitudinal slots b b, which terminate into recesses or depressions b' b'.

C′ C′ refer to plates, one portion of which is secured to the sides, and the other or right-angular portions thereof to the rear or inner end of the part A′ of the bed.

These plates are provided with projections c c, which are formed with heads, and pass through the slots b b of braces B B, and supplied on their right-angular portions with apertures c^1 c^1, which communicate with holes in the part A′ of the bed, and receive, when the parts A A′ of the bed are extended, as seen in fig. 1, pins or projections c^2 c^2, formed upon or otherwise secured to the right-angular portions of the plates C C, fastened to A; and hold the said parts, with the projections c^2 c^2 firmly in position when the same occupy the position above stated, and the headed projections c c are pushed into the recesses b' b' of the slots b b made in the braces B B.

When the two parts A A′ of the bed are to be folded, all that is necessary to accomplish this is to merely lift the free ends of the pivoted slotted braces B B until the headed projections c c are withdrawn from the recesses b' b', at which time they will be allowed to move of their own accord, and the bed alone grasped and brought together, folding the two parts thereof together.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent, is—

1. The slotted and recessed braces B B, pivoted to the part A, in combination with the headed projections c c, fastened to the part A′ of a bed, substantially as and for the purpose set forth.

2. The plates C C′, constructed as described, and supplied with the projections c^2 c^2, and apertures c^1 c^1, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention, I have hereunto set my hand this 7th day of March, A. D. 1871, in presence of two subscribing witnesses.

LEWIS WHITEHEAD, SR.

Witnesses:

NATHAN A. REYNOLDS,

FRANK I. STANLEY.