(No Model.) 2 Sheets—Sheet 1

L. R. VAN SLYKE.

FOLDING BED.

No. 269,748. Patented Dec. 26, 1882.

Fig. 1.

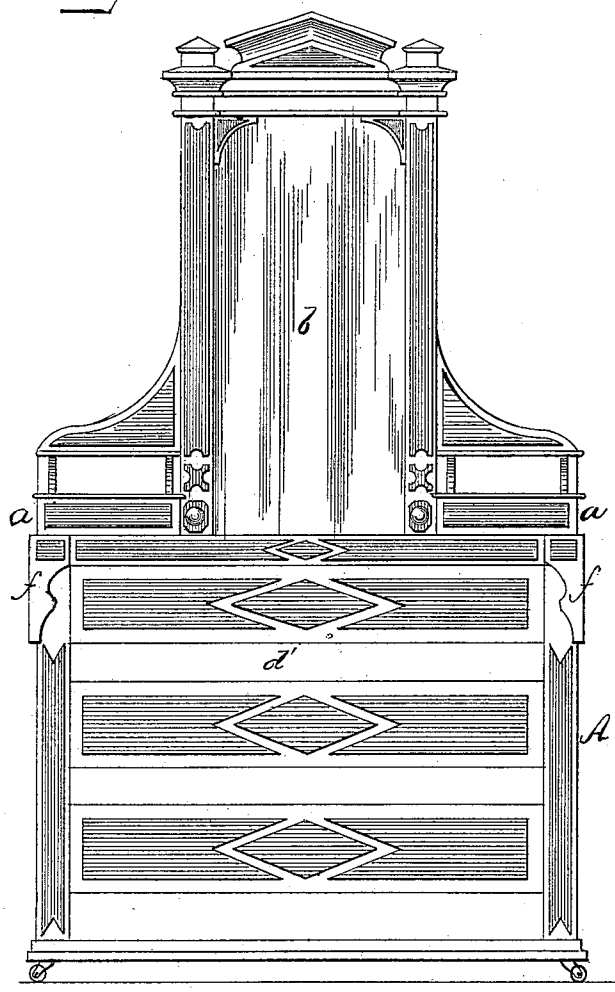
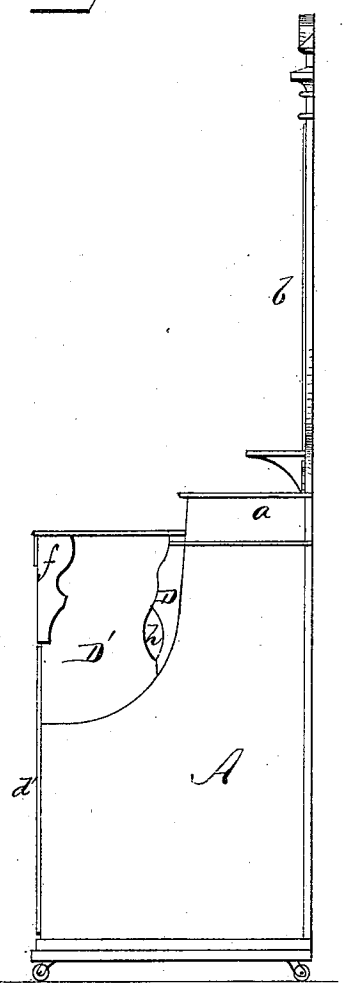


Fig. 2.



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(No Model.) 2 Sheets—Sheet 2

I. R. VAN SLYKE.

FOLDING BED.

No. 269,748. Patented Dec. 26, 1882.

Fig. 3.

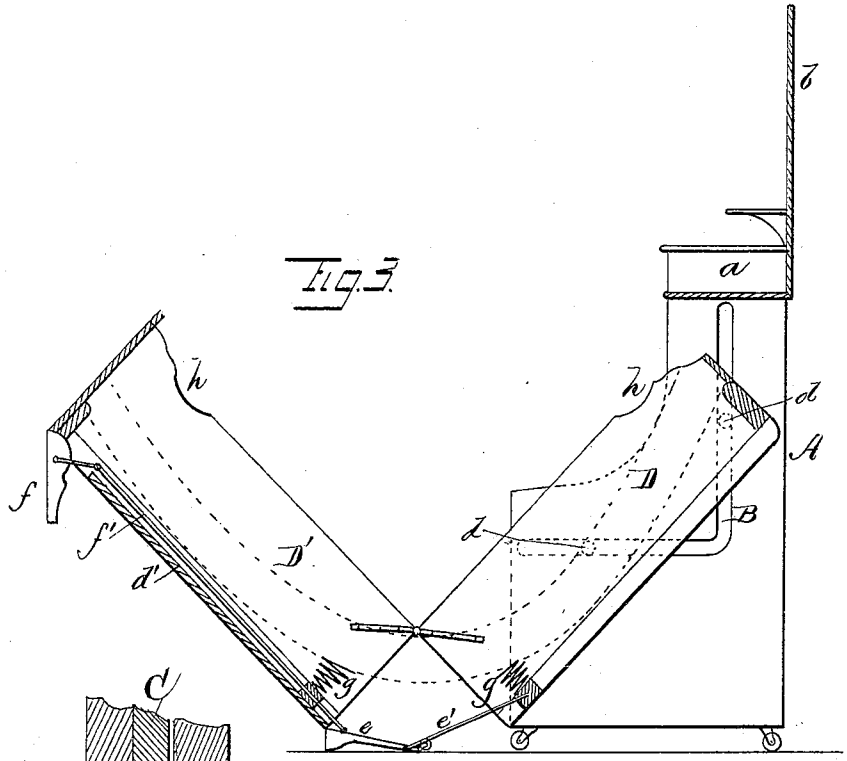


Fig. 5.

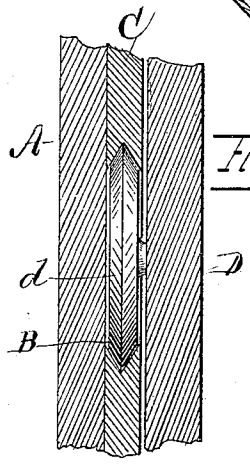


Fig. 4.

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UNITED STATES PATENT OFFICE.

ISAAC R. VAN SLYKE, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO ISAAC R. VAN SLYKE, JR., OF SAME PLACE.

FOLDING BED.

SPECIFICATION forming part of Letters Patent No. 269,748, dated December 26, 1882.

Application filed August 25, 1882. (No model.)

To all whom it may concern:

Be it known that I, ISAAC R. VAN SLYKE, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented an Improvement in Folding Beds, of which the following is a specification.

This invention relates to that class of beds which when folded resemble different articles of furniture; and it consists in certain details of construction, whereby the bed is more readily folded and less weight required to be lifted during the folding or unfolding, substantially as will be hereinafter more fully described and claimed.

To enable others skilled in the art to avail themselves of the benefits of my invention, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a front elevation of my bed folded and made to represent a dressing-case. Fig. 2 is a side elevation of the same. Fig. 3 is a central longitudinal section, showing the bed in the process of unfolding; Fig. 4, a similar view, showing it extended and ready for use, and Fig. 5 is a detail view of part of the same.

Similar letters of reference denote similar parts throughout the several views.

A represents a case, shaped to represent a dressing-case, and provided with small drawers *a a* and glass *b*. The interior of this case A is on each end provided with an L-shaped groove, B, either formed in the side pieces of the frame or casing, or in a separate piece, C, secured to them, as shown in Fig. 5. This groove B is preferably V-shaped on its edges, as shown, although any other form could be successfully used.

In the interior of the case A is placed the head-section D of the bed-frame, the side pieces of which are provided with two rollers or wheels, *d d*, which run in the grooves B, and are of a form on their edges to fit said groove—in this instance being double-beveled or V-shaped. The bottom of the section D is open for the purposes of ventilation, and hinged to its lower end by a long strap-hinge is the foot-section D′. This foot-section is provided with a paneled or ornamented bottom, *d′*, which, when folded, forms the front of the dressing-case.

Hinged to the section D′, at the end adjoining the head-section D, are the legs *e e* for supporting the center of the bed, and they are automatically opened or closed as the bed is operated by a brace, *e′*, pivoted at one end to the leg *e* and at the other to the side piece of the section D. The lower end of the bed is supported by a pair of legs, *f f*, hinged to the foot of the section D′, and operated by means of the jointed rod *f′*, sliding lengthwise through the section D′ behind the bottom *d′*.

The bed-bottom used with this device may be of any of the well-known forms; but I have shown in the drawings a webbing or woven-wire bottom, G, secured to opposite ends of the sections D D′, and supported in the center by spiral springs *g g*, resting on cross-bars of the bed-frame.

In operation, when it is desired to unfold the bed the upper end of the section D′ (which forms the top of the dressing-case when folded) is pulled forward. This pulls forward the lower end of the section D, the lower rollers or pulleys of which run out in the horizontal arm of the L-shaped groove B, while the upper one of these pulleys falls in the perpendicular arm of said groove, and the section D gradually assumes a horizontal position, at which point one of the pulleys *d* is at the outer extremity of the groove B and the other at the angle of the two arms of said groove. At the same time this operation occurs the legs *e* are thrown down by the pivoted brace *e′* and the legs *f* forced out and held firmly by the contact of the inner end of the jointed rod *f′* with the frame of the head-section D, causing said rod to slide in its frame and carrying the legs *f* with it. The folding of the bed is just the reverse of this operation, and it will be observed that the entire weight of the head-section, as well as part of that of the foot-section, is supported in the case A, leaving very little to be lifted by the operator. The springs *g g*, being secured to the bed-bottom, not only support it when down, but cause it, when folded, to form a large bend at the middle, as seen in Fig. 3, holding the parts away from each other for better ventilation.

The bottom and back of the case A, as well as bottom of section D, being entirely open, allows a free circulation of air, and the side

pieces of the sections D D′, I cut away, as seen at *h*, in order to admit the entrance of air at the sides.

The casing A may be supported on casters, as usual, and all parts exposed when folded may be paneled or ornamented in any manner suggested by good taste or the article of furniture desired to be imitated. By making the edges of the groove B of V form and using a corresponding-shaped pulley, I am enabled to prevent the spreading of the frame A and insure the pulleys always remaining in the groove.

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

1. In a folding bedstead, the combination, with the case A, provided on the interior of each side with an angular groove, B, of the movable head-section D, having rollers *d d*, adapted to move in said groove, and the foot-section D′, hinged to the head-section and provided with pivoted legs *e f*, arranged to be automatically operated by means of rods or braces *e′ f′* as the sections are folded or unfolded, all substantially as shown and described.

2. In a folding bedstead, the combination, with the hinged sections D D′, the latter having folding legs *e e* and *f f*, of the rods or braces *e′ e′*, connecting the legs *e* with the head-section, and the jointed rods *f′ f′*, connecting the front and rear legs of the foot-section, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

ISAAC R. VAN SLYKE.

Witnesses:
CHAS. KRESSMANN,
FRANK JOHNSON.