

W. R. HAMILTON.

SOFA-BEDSTEAD.

No. 170,258.

Patented Nov. 23, 1875.

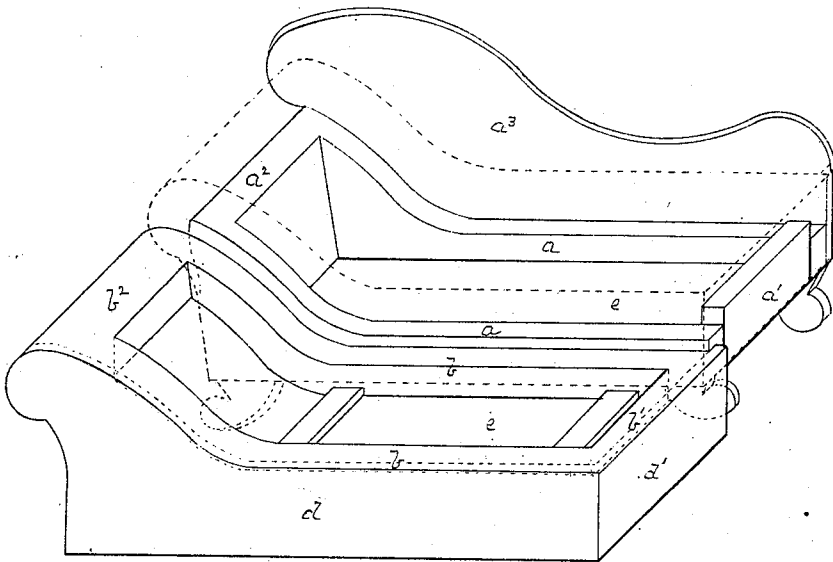


Fig. 1.

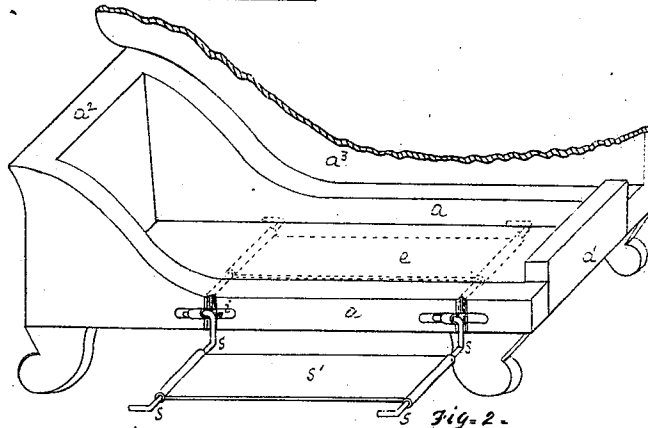


Fig. 2.

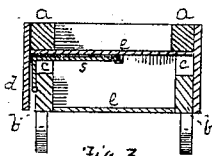


Fig. 3.

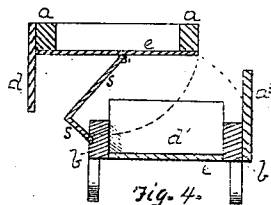


Fig. 4.

WITNESSES.

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WILLIAM R. HAMILTON, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN SOFA-BEDSTEADS.

Specification forming part of Letters Patent No. **170,258**, dated November 23, 1875; application filed May 5, 1875.

To all whom it may concern:

Be it known that I, WILLIAM R. HAMILTON, of Pittsburg, county of Allegheny, State of Pennsylvania, have invented or discovered a new and useful Improvement in Folding Bed Lounge or Sofa; and I do hereby declare the following to be a full, clear, concise, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, in which—like letters indicating like parts—

Figure 1 is a perspective view in outline of the frame-work of my improved folding lounge or sofa in an unfolded position. Fig. 2 is a like view of the stationary half of the frame, with the hinge that connects the other or folding half. Fig. 3 is a reduced cross-section of the same with the two halves folded together; and Fig. 4 is a like section, illustrating the motion of the movable half in unfolding.

The main frame of the stationary part of the lounge or sofa is made with side rails *a*, foot-rail *a'*, and raised head-piece *a''*, the side rails sloping, in a lounge-frame, up at the head end in the usual way, and with or without the raised back *a'''*. The folding part has like side rails *b*, foot-rail *b'*, the head end of the side rails rising to the head-rail *b''*. Front and foot face-boards *d d'* are added for the usual purposes; and, for better protection against dust, vermin, &c., a close unjointed wooden bottom, *e*, is made to each half, on which and the side and end rails the upholstery is built up. The two halves are connected together by a bent hinge, *s*, the two ends of which are braced by a plate, *s'*. The shorter arm of the hinge is pivoted to the front rail *a* of the stationary part of the frame, the arm extending therefrom downward when the lounge or sofa is unfolded or open, and the outer end of the longer arm is pivoted to the bottom of the other or folding half midway, or about midway, between its opposite side rails, so that, from either position, when folded or unfolded, the folding half may be carried up and over in the arc of a circle without being inverted, as illustrated in Fig. 4, to the other position. But, to make better provision for upholstery, I raise the foot and head rails *a'* *a''*,

whereby, when the folding half is laid over onto the other, a space, *c*, of about one inch vertical height, more or less, shall be left between the two frames for the bed or upholstery on the stationary frame; and I also make the shorter arm of the hinge *s* of such length that it will fold up over this upholstery, as shown in Fig. 3, and, when unfolded, as shown in Fig. 1, will let the top of the folding frame come below the top of the stationary frame, whereby I make room for a like amount of upholstery as a bed, and also a finished cushion on top of that, which adapts it for sitting purposes.

For convenience in cleaning, repairing, &c., I make the two parts separable, which I do by the use of a hook-hinge, as shown, but with a removable stop, *i*, inserted at the base of such hook, to keep it from coming out when not desired, and with a like stop at the base of one of the hooks at the other end of the hinge.

I claim as my invention—

1. The herein-described two halves of a folding sofa, connected together by a bent hook-hinge constructed as described, and rendered separable from each other by means of the adjustable connection of said hinge with one of the said halves, substantially as shown, and for the purpose set forth.

2. In combination with the herein-described two halves of a folding sofa-bed, the connecting-hinge, constructed with bent arms *s* and brace-plate *s'*, the shorter arms of said hinge being removably connected with frame *a*, and kept in place by removable stop *i*, substantially as and for the purpose specified.

3. The combination of the herein-described folding frame with the stationary frame, having its foot and head boards *a'* *a''* raised somewhat above the side rails *a*, whereby the space *c* is left between said frames when folded together, for the purpose of holding bedding, &c., substantially as shown and described.

In testimony whereof I have hereunto set my hand.

WILLIAM R. HAMILTON.

Witnesses:

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