

H. S. CARTER.
Bed-Lounge.

No. 209,019.

Patented Oct. 15, 1878.

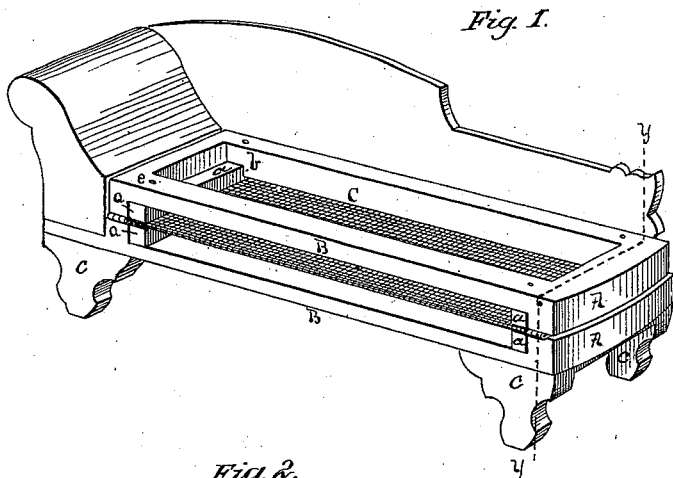


Fig. 2.

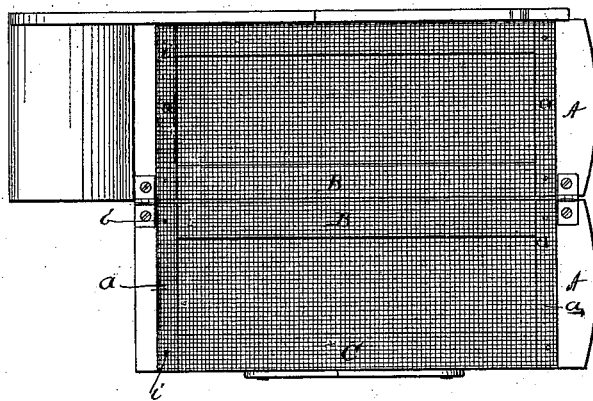


Fig. 3.

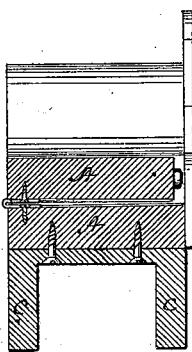
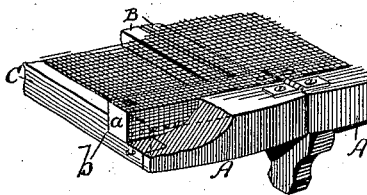


Fig. 4.



WITNESSE

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IMPROVEMENT IN BED-LOUNGES.

Specification forming part of Letters Patent No. **209,019**, dated October 15, 1878; application filed February 12, 1878.

To all whom it may concern:

Be it known that I, HENRY S. CARTER, of Chicago, Cook county, Illinois, have invented a new and useful Improvement in Bed-Lounges, of which the following is a clear, full, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of a lounge with my improvement attached. Fig. 2 is a plan view of the same unfolded. Fig. 3 is a cross-section through *yy* of Fig. 1; and Fig. 4 is a perspective view of the juncture of the end and side pieces, a portion being cut away.

My invention relates particularly to bed-lounges provided with wire mattresses. The difficulty heretofore existing in the manufacture of this description of lounge has been in overcoming the effects upon the frame of heavy strain upon the wire fabric.

The object of my invention is to overcome this difficulty and to make a successful wire-mattress lounge for general use; and it consists in attaching the wire fabric to blocks independently of the end rails of the lounge, so that the fabric, when in use, will not strain the end rails, and when to be cleaned can be readily removed from the frame and be again replaced without disturbing the end rails of the frame.

To enable others skilled in the art to make and use my invention, I will proceed to describe the exact manner in which I have carried it out.

In the drawings, *A A* represent the folding portions of the lounge-frame, provided with the middle or central supporting-rails, *B B*. These central rails are so located that they catch and sustain the strain thrown upon the frame from the wire fabric when in use, but at the same time do not come in contact with the fabric itself. By this means I am enabled to obtain a successful resistance to the strain

in the construction of wire bed-lounges, and at the same time not to interfere with the entire elasticity of the fabric.

Heretofore the wire fabric has been attached at its ends directly to the end rails of the lounge, and without central longitudinal rails under the fabric. This construction threw the entire strain upon the hinged end rails, and these rails, being in two parts and hinged together, were liable to give way at the point of juncture.

By my construction I entirely overcome this serious difficulty. I secure the wire fabric at its ends to the blocks *a a*, and these blocks, resting in the notches *b*, formed in the rails *C C*, are bolted to the rails *C C* and to the central longitudinal rails, *B B*, by bolts *i*, as shown in Fig. 2. By removing these blocks the mattress is readily taken from the lounge-frame.

The legs *C C* are formed in pairs, as shown in Fig. 3, and are secured to the under side of the frame by means of screws and without the use of glue, thus enabling the legs of a lounge to be easily removed for packing and shipping, and as readily replaced, thereby reducing the cost of transportation and necessarily cheapening the article to the customer.

I do not confine myself to wire fabric in the manufacture of my improved bed-lounges, but may use other suitable material.

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

The folding frame *A A*, provided with the central supporting-rails, *B B*, in combination with the detachable blocks *a a*, for securing the wire or other fabric within the frame, substantially as set forth.

HENRY S. CARTER.

Witnesses:

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H. F. GREEN.