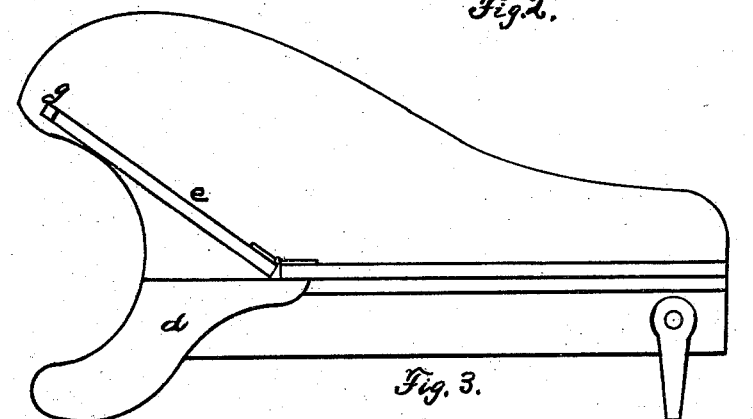
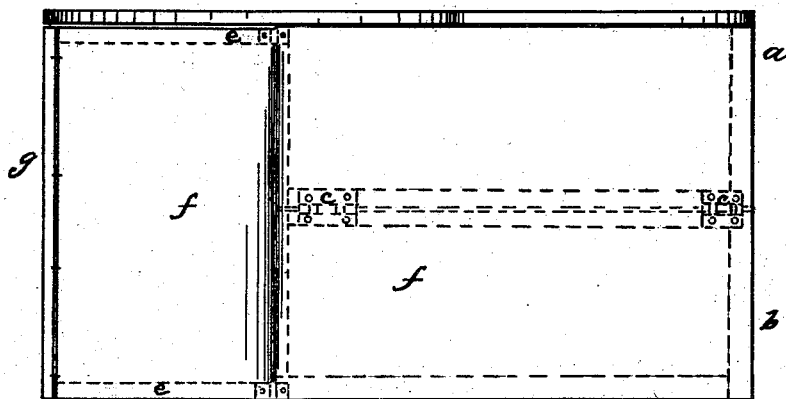
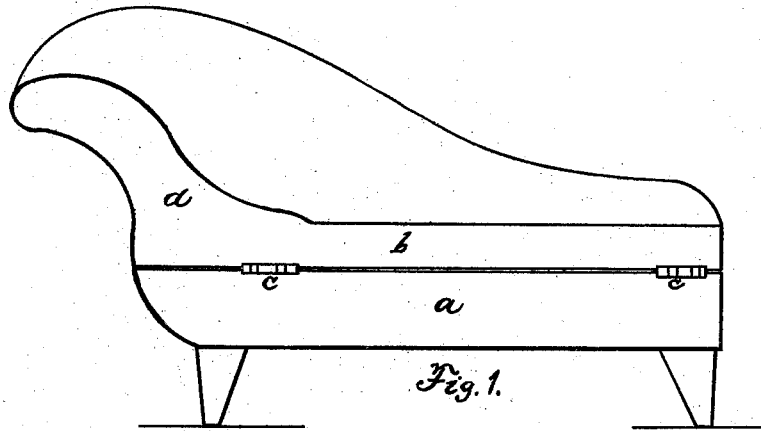


J. B. HARLOW.
Sofa-Bed.

No. 168,155.

Patented Sept. 28, 1875.



Witnesses:
Frank H. Jordan.
Charles E. Clifford.

Inventor:
Joseph B. Harlow.
Per Wm. Henry Clifford
att'y

UNITED STATES PATENT OFFICE.

JOSEPH B. HARLOW, OF PORTLAND, MAINE, ASSIGNOR OF ONE-HALF HIS
RIGHT TO WILLIAM A. JACKMAN, OF SAME PLACE.

IMPROVEMENT IN SOFA-BEDS.

Specification forming part of Letters Patent No. 168,155, dated September 23, 1875; application filed
March 3, 1875.

To all whom it may concern:

Be it known that I, JOSEPH B. HARLOW, of Portland, in the county of Cumberland and State of Maine, have invented certain new and useful Improvements in Sofa-Beds; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 is a side elevation of my invention when closed to form a sofa or lounge; Fig. 2 is a top-plan view of my invention with the parts opened out to form a bed. Fig. 3 is a side view of my invention when the same is in the position shown in Fig. 2.

Same letters show like parts.

The object of my invention is to produce a convenient article of furniture which may be used as a sofa or lounge, and by a change in the relative position of its parts may be used as a bed.

My invention may be thus described: *a* shows the fixed or rigid part of the lounge. *b* shows the hinged part, which, when the device is to be used as a sofa, is turned over upon the part *a* on the hinges *c*, as shown in Fig. 1. The arm-rest *d*, unlike those shown in most of the sofa-beds in use, is rigidly connected to, and forms a part of, the hinged part *b*. *e* shows two arms hinged to the heads of the parts *a* and *b*, as shown by the dotted lines in Fig. 2, and clearly shown in Fig. 3. Attached to the foot of the lounge, and extending up to the ends of the arms *e*, is the canvas or sack *f*. The upper end of the canvas is attached to a bar in any convenient manner (hooks and eyes being deemed preferable, however) to a bar, *g*, which fits over the

ends of the arms *e*, or it may, if desired, be provided with sockets into which the ends of the arms will fit. The clothing is then laid upon this canvas or sack *f*, and the article is ready for use as a bed. When desired to form a lounge the bar *g* is removed and placed upon the part *a*, the arms *e* turned over upon the parts *a b* of the device, and the part *b* turned up over and upon *a*, which operation leaves the different parts in the position shown in Fig. 1—that is to say, ready for use as a lounge.

A sofa-bed constructed as just described is cheap, durable, and convenient.

I do not claim the head-rest shown in patent to H. S. Carter, No. 156,131, March 5, 1874, which is detachable at one end from the bed, and is capable of being turned on a pivot, so as to lie flat on immovable part of the body of the bed. The head-rest in my invention, when the top cross-bar is in position, derives its inclined position from the draw of the canvas or sacking.

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

1. In a sofa-bed, constructed substantially as herein described, the canvas or sacking *f*, with its head-rest formed by the arms *e* and bar *g*, the said head-rest being held in position by the draw of the canvas, as herein set forth.

2. The combination, in a sofa-bed, of the fixed frame *a*, hinged frame *b*, having the rigid arm-rest *d*, arms *e*, canvas *f*, and bar *g*, as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOSEPH B. HARLOW.

Witnesses:

FRANK H. JORDAN,
CHARLES E. CLIFFORD.