

W. E. BUSER.

BED-LOUNGE.

No. 178,111.

Patented May 30, 1876.

Fig. 1.

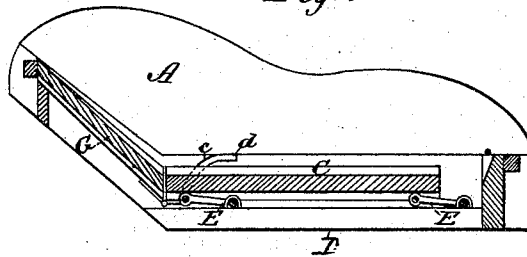


Fig. 2.

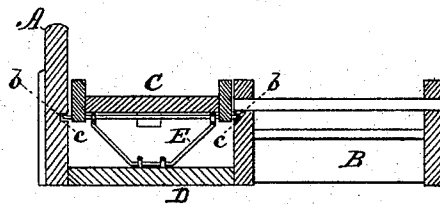
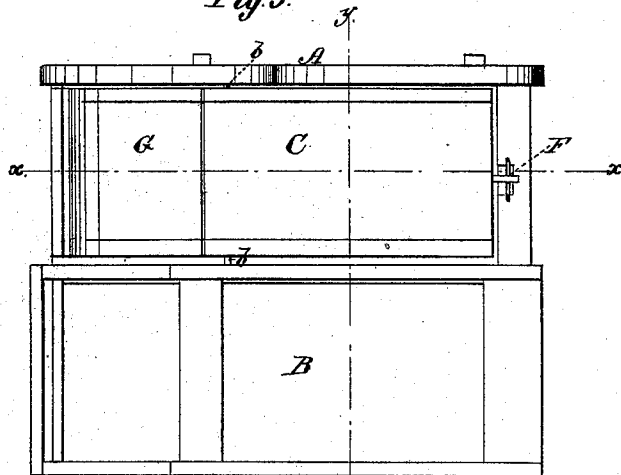


Fig. 3.



WITNESSES:

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WILLIAM E. BUSER, OF CHILlicothe, OHIO.

IMPROVEMENT IN BED-LOUNGES.

Specification forming part of Letters Patent No. **178,111**, dated May 30, 1876; application filed January 19, 1876.

To all whom it may concern:

Be it known that I, WILLIAM E. BUSER, of Chillicothe, in the county of Ross and State of Ohio, have invented a new and Improved Bed-Lounge; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention is an improvement in the class of bed-lounges or sofa-beds having a sliding top portion and a vertically-adjustable false bottom. The objects chiefly aimed at in the construction and arrangement of the devices for supporting such false bottom are, that the latter shall fit with accuracy within the hollow body of the lounge, that it may, notwithstanding, be raised and lowered with little obstruction or difficulty, either by reason of friction, or in respect to the force requisite to exert for the purpose.

The construction and arrangement of the different parts of the lounge are as follows:

In the accompanying drawing, forming part of this specification, Figure 1 is a sectional elevation of the lounge, showing the adjustable or false bottom; Fig. 2, a cross-section on line *yy* of Fig. 3. Fig. 3 is a plan view of the lounge with the sliding top and false bottom adjusted in the position required to adapt the lounge for use as a bed.

The body or main portion A of the lounge or sofa is constructed hollow, and provided with a top, B, which is arranged to be slid laterally on or off the part A, by connecting or interlocking devices applied to the respective ends thereof. The false bottom C of part A is connected to the true bottom D by means of curved or triangular-shaped hinges E, and also provided with laterally-projecting pins or lugs *b*, which work in inclined grooves *c* in the vertical sides of part A.

When the bottom C has been raised to the position shown in Fig. 2, in order to utilize the lounge as a bed, it is supported mainly by the hinges E, which will then stand vertical. The lugs *b* constitute further means of support, or for holding the bottom firm in such

elevated position, since they enter rabbets *d*, forming continuations of the inclined grooves *c* in the sides of part A.

To prevent the bottom falling, when elevated as above described, I employ a hook, F, which is attached to the end thereof, and catches over a lug or plate fixed in the end of the part A, as shown. Said hook also constitutes a convenient device by which to raise and lower the bottom. A head-piece, G, is hinged to said bottom, and is so arranged that its upper end rests on the head or arm of part A, and slides thereon as the bottom C is raised and lowered. It is, therefore, self-adjusting, and requires no attention or manipulation independently of the bottom C.

The form of the hinges, and the mode of connecting them with the false bottom and bottom proper of the sofa, allow the false bottom to be made the full width of the hollow body of the sofa, and at the same time permit it to be adjusted from one position to the other with the least possible friction, there being no portion of the hinge intruded between it and the sides of the hollow body A.

The lugs *b* serve to firmly support the false bottom when in the elevated position without in any way impeding its free movement.

What I claim is—

1. The hinges E, having the form shown, and connected to the under side of the false bottom C, and to the true bottom of the hollow body A, all as shown and described, whereby the said hinges work out of frictional contact with the contiguous sides of part A, as specified.

2. The combination, with bottom C and its supporting and folding hinges, of the hinged head-piece G, arranged to rest and slide on the head of part A as said bottom is raised and lowered, as set forth.

WILLIAM E. BUSER.

Witnesses:

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