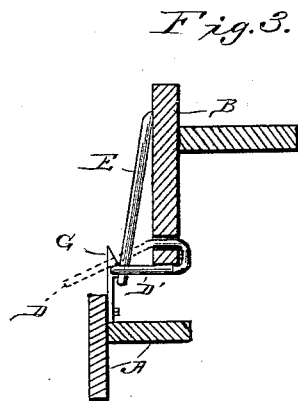
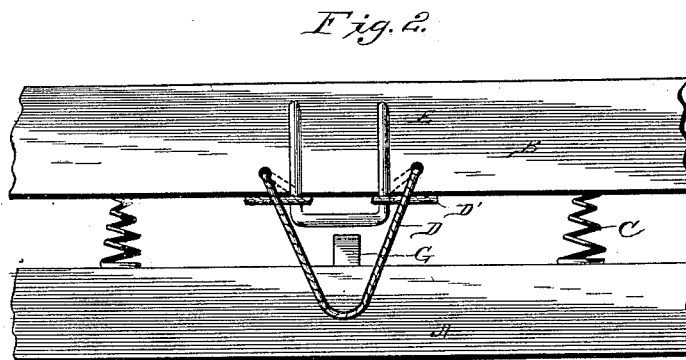
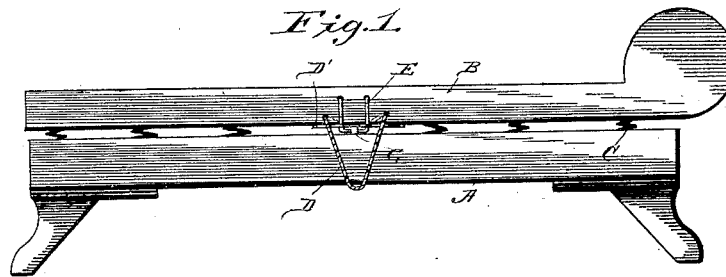


(No Model.)

W. E. BUSER.
BED LOUNGE.

No. 418,971.

Patented Jan. 7, 1890.



Witnesses
O. H. Dudley
Frank C. Roach

W. E. Buser Inventor

By his Attorneys
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UNITED STATES PATENT OFFICE.

WILLIAM E. BUSER, OF CHILLICOTHE, OHIO.

BED-LOUNGE.

SPECIFICATION forming part of Letters Patent No. 418,971, dated January 7, 1890.

Application filed July 29, 1889. Serial No. 319,068. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. BUSER, a citizen of the United States, residing at Chillicothe, in the county of Ross and State of Ohio, have invented certain new and useful Improvements in Bed-Lounges; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains 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.

My invention relates to bed-lounges; and its objects are, first, to assist in raising the cover thereof automatically; second, to hold the parts fixedly in normal condition; third, to diminish the weight of the load to be lifted by utilizing the resiliency of the springs; fourth, to release the holding device readily, and, fifth, to accomplish these ends with structural simplicity and economy. I accomplish these aims by the means illustrated in the accompanying drawings, in which—

Figure 1 represents a side elevation of the lounge having my improvements embodied therein. Fig. 2 is a similar view thereof, showing the holding device released; and Fig. 3 is a sectional detail showing the correlation of the parts.

The same designations indicate corresponding parts in all the views.

In the utilization of bed-lounges a material inconvenience is the force required to be exerted in order to raise the top vertically. This is in direct proportion to the weight of said top. My invention aims to minimize the requisite force to this end by assisting the vertical motion of the top through the resiliency of the intermediately-disposed springs.

To the base A of an ordinary bed-lounge mounted on suitable legs are secured the springs C, disposed between its upper surface and the lower surface of the adjustable top B, which is rearwardly hinged to the base A in the ordinary manner. The top B is perforated to permit the passage therethrough of the two ends of cord D, which are inwardly

attached to the sliding end D', which serves to release the spring-clasp E, depending from said top B, from contact with the catch G, projecting upwardly from inner surface of the base A. It will be apparent that in lowering said top B the spring-clasp E will automatically engage the catch G. In raising top it is only necessary to pull the cord D laterally outward, which serves to draw the end D of said cord backward, thus releasing by such motion the spring-clasp E from the catch G. Then the resiliency of the springs C, being unrestrained, will aid in the vertical ascent of said top B, which greatly assists its movement.

I am aware of the patent granted to C. Streit, No. 330,855, on the 17th day of November, 1885. While the purpose of that invention is doubtless analogous to that expressed in my specification, yet the structure, location, and operation of the spring-clasp therein shown differ radically from that shown on my drawings. I therefore expressly disclaim said patent.

Having thus fully described my improvements, what I claim is—

In combination with an ordinary bed-lounge, having the top B and the bottom A rearwardly hinged together, a series of conical coiled springs C, permanently secured to the bottom A, a catch G, also attached rigidly to the bottom, accessible in front thereof, a spring-clasp E, engaging said catch and secured fixedly to the top B, and the cord D, adjusted as shown, passing through the perforations in the top B, and whose ends D' are respectively fastened to the lower portion of the clasp E, so as to cause a horizontal vibration thereof that will release it from said catch when the opposite end of the cord is pulled laterally outward, for the purpose set forth.

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

WILLIAM E. BUSER.

Witnesses:

A. B. COLE,
ALFRED D. COLE.