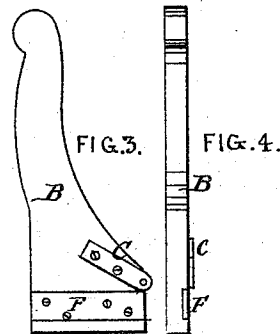
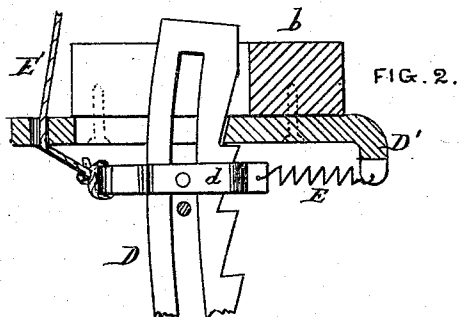
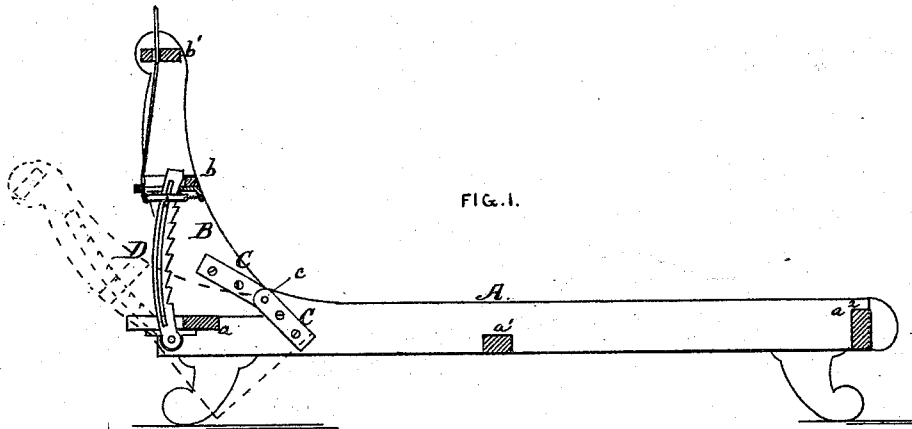


W. SENG.
LOUNGE.

No. 172,281.

Patented Jan. 18, 1876.



WITNESSES:

Ford R. Smith
Henry L. Smith

INVENTOR:

Wendelin Seng
by *Munday & Evans*
his atty.

UNITED STATES PATENT OFFICE.

WENDELIN SENG, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN LOUNGES.

Specification forming part of Letters Patent No. 172,281, dated January 18, 1876; application filed November 12, 1875.

To all whom it may concern:

Be it known that I, WENDELIN SENG, of Chicago, in the county of Cook and State of Illinois, have invented certain Improvements in Lounges, of which the following is a specification:

This invention relates to the novel construction of the folding head-pieces of lounges, and the device by which such pieces are raised, lowered, and held in position. Its nature will be fully understood from the following description and the accompanying drawing, to which reference is hereby made, and in which—

Figure 1 is a vertical longitudinal section of a lounge embodying my invention. Fig. 2 is a side view of the mechanism by which the head-piece is locked in position and unlocked, upon a somewhat enlarged scale. Fig. 3 is an inside view of the arm of the head-piece, and Fig. 4 an edge view of the same.

Like letters of reference made use of in the several figures indicate like parts wherever used.

In said drawing, A represents the body of the lounge, and B the arm of the head-piece, a a' a'' being the cross-pieces in the body, and b b' those in the head. The head is hinged to the body by a hinge composed of the metal strips C C joined by the pivot c . This pivot c , which is the center of the circle upon which the head swings, is located, as shown, at a point where the inner line of the arm B meets the upper line of the body-frame, though, of course, this precise location is not essential. Pivoted to the cross-tie a , at the center thereof between its ends, is a segmental ratchet-bar D, the teeth being upon the inner edge thereof. The ratchet-bar works through an opening in a metal plate, D', inserted in the cross-tie b , such metal plate acting as the stop which engages the ratchet, and thereby locking the head in the desired position. The segmental bar is provided with a longitudinal slot, and is inclosed by a strap, d . The latter carries a guide-pin, d' , which is passed through said slot. A spring, E, draws this strap inwardly, so that the bar engages the plate D', the spring being attached to the inner end of

said plate. The bar is forced outward by means of a cord, E', attached to said strap at the outer side thereof, and passing thence through an opening in the outer end of said plate D', and upward through the cross-tie b' , tension upon such cord tending, of course, to pull the strap outwardly, and so disengage the bar from its stop in said plate. When disengaged the spring exerts a constant influence upon the bar, and the moment the contrary force of the cord is released, forces it back against the stop, and locks the head in the position it may be at such time. This locking only prevents the further downward movement of the head, it being unnecessary in raising it to touch the cord, which is the only exposed part of the device. The arm B I make to project down over the frame in such manner as to cover a portion of the same. In this way the hinge is placed entirely out of view. The form of this part of the arm will be better understood from Fig. 3 and from the dotted lines in Fig. 1, where it is shown in an inclined position. To prevent breaking and splitting of the arm at this point where it is peculiarly liable thereto, I strengthen the same by a metal strip, F, inserted in its inner side and across its width, as shown in Figs. 3 and 4.

It will be noticed that by my invention none of the working parts are outside the upholstery of the lounge, and do not become so at any part of the movement of which the head-piece may be capable, and hence form no eyesore to mar the beauty of the lounge.

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

The combination, with the lounge-frame and head-piece, hinged together, as specified, of the device described for locking the head-piece in position, consisting of the segmental ratchet-bar pivoted to the lounge-frame, and provided with a longitudinal slot, as shown, the metal plate D', the strap d , guide-pin d' , and spring E, as and for the purpose specified.

WENDELIN SENG.

Witnesses:

JOHN W. MUNDAY,
FORD R. SMITH.