

*M. H. Hill,*

*Lounge.*

*No. 107,494.*

*Patented Sept. 20. 1870.*

Fig. 1.

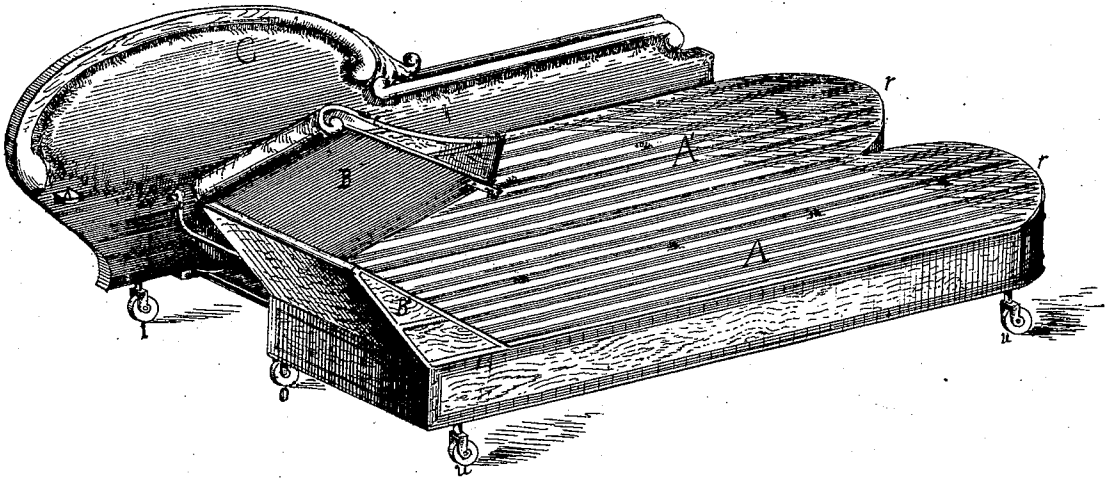
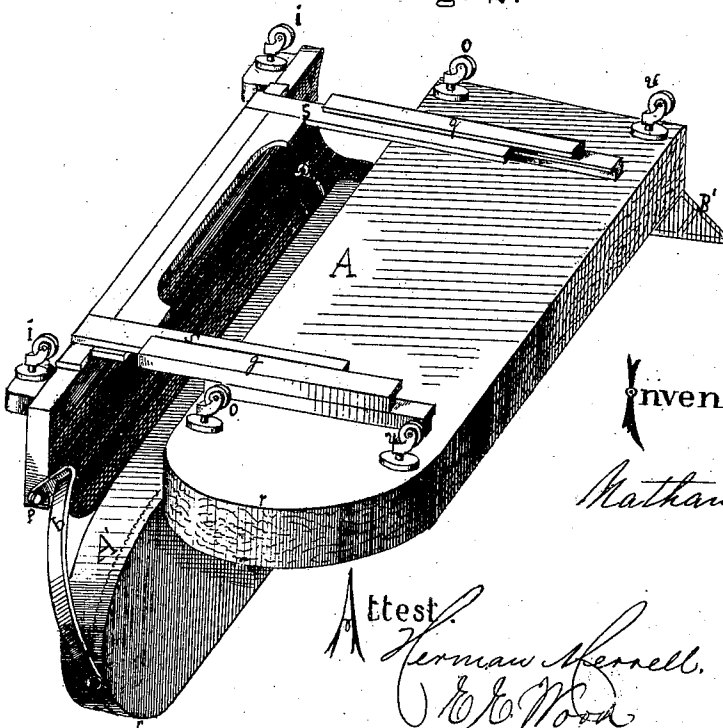


Fig. 2.



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Letters Patent No. 107,494, dated September 20, 1870.

## IMPROVEMENT IN EXTENSION LOUNGES.

The Schedule referred to in these Letters Patent and making part of the same.

I, NATHAN H. HILL, of Cincinnati, Hamilton county and State of Ohio, have invented a new and useful Improvement in an Extension Lounge with folding seat, of which the following is a specification.

### *Nature and Object of the Invention.*

The object of my invention is to make a folding lounge which extends and opens or unfolds to form a bed, preserving the ornamental finish of the lounge, and providing an easy mode of change from the sofa to the bed-form.

My invention consists—

First, in so attaching the back to the seat or body of the lounge that by one movement the back is extended as the seat is opened into position.

Second, in providing brace-levers to securely brace the back and hold it firmly to the seat, both in the open and folded positions.

### *Description of the Accompanying Drawing.*

Figure 1 is a perspective view of the seat of the lounge unfolded, with the pillow end partially open.

Figure 2 is a perspective view of the bottom of the lounge, with the seat partially open.

A A' is the seat of the lounge, shown in fig. 1 as open in bed-form, and is covered and stuffed in the usual manner.

B, fig. 1, is the pillow, or raised end, shown partially open. It is connected with the seat A' by a strap, *n n*, forming a loose attachment to allow the elevation to be reversed as it is opened or unfolded.

B' is the pillow, or raised end, attached to the seat A, which, with the movable part B, forms the pillow, or end elevation of the bed.

The body or seat A is supported on legs, *o u*, provided with casters.

C is the back, supported on the legs *i i*, provided with casters, and is attached to the seat or body A by slats, *S S*, sliding in grooves, *g g*.

Various methods of attachment of similar nature may be provided in lieu of the slats and grooves.

The unfolding seat A' is attached to the body or seat A, by hinges, in the usual manner employed in trunks and box-covers or lids.

*e* is a plate of brass upon the molding of the unfolding pillow B, to rest on the lug or bracket *d* when open.

Similar lugs are provided on the back C for the seat A' to rest upon, brass strips being placed on the molding of the seat A', to prevent wear of the molding or corners.

*b* is a brace-lever, of circular form, corresponding to the circular end or foot of the lounge.

*p p* are pivots, on which the brace *b* turns.

*t* is another brace-lever attached to the seat A', on a pivot similar to *p*, and to the back by a hinge-joint, as shown in the drawing.

The pillow end B is attached to the raised end B', by hinges, in the same manner as the seat A' is attached to A.

As the seat A is raised the strap *n*, by which the pillow end B is attached, raises the end B with the seat A'.

The brace-levers *b t*, turning on their pivots and joints, extend or open the back C, which is carried back easily, rolling on the casters sufficiently far to form a recess for the seat A' to fold in.

The levers should be of the length to form the proper extension or separation of the back C from the seat A, and, when thus arranged, holds the back firmly to the seat A A', either in the open or closed position, and are made with the jog on the arm to keep them at all times about midway between the top and bottom of the seat A A'.

The pillow end B is attached to the seat A' at *n*, near the lever *t*, by a strap of sufficient length to allow this flexible joint, between the pillow and the seat, to assume the reverse elevation, necessary in opening backward, as herein provided.

The method herein shown, for opening the seat by extending the back, allows the front rails of the bed or lounge to be finished in any manner, either by molding or otherwise. At the same time the back firmly supports the opening seat A' and pillow end B, and conceals the lever *t* from view.

By the brace-lever *b* being made circular, as shown in fig. 2, the round foot *r* can be made, and the part *b* performs its office of lever and brace.

This arrangement enables the lounge to be opened and closed by moving the seat A', which operates all other parts.

Having described my improvement,

What I claim as my invention is—

1. The brace-levers *t b*, with the pivots *p p*, for bracing and operating the opening and folding of the parts A' B, all substantially as herein set forth:

2. The combination of the parts A A', B B', and C, with the pivot-levers *b t*, to open and fold the lounge by the raising of the seat A', as herein set forth.

Witnesses: NATHAN H. HILL.

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