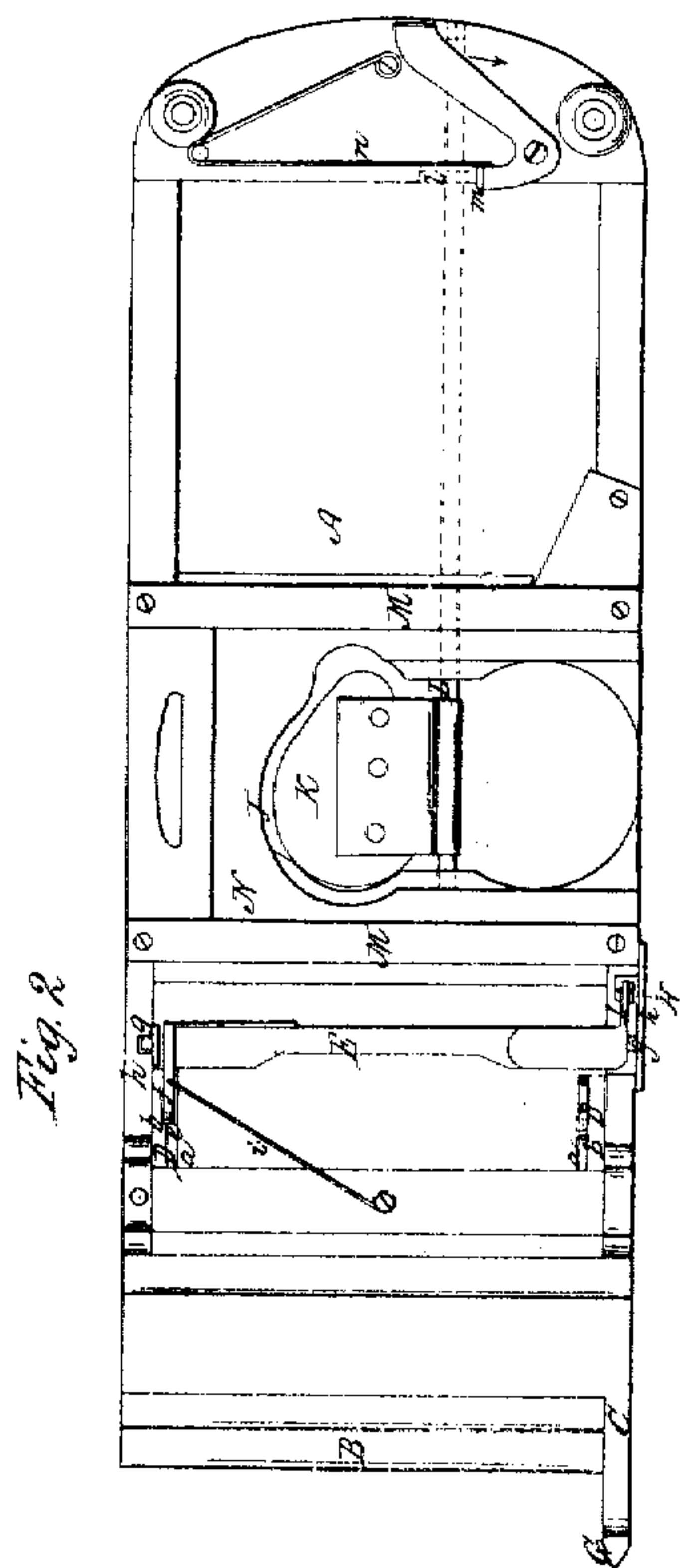
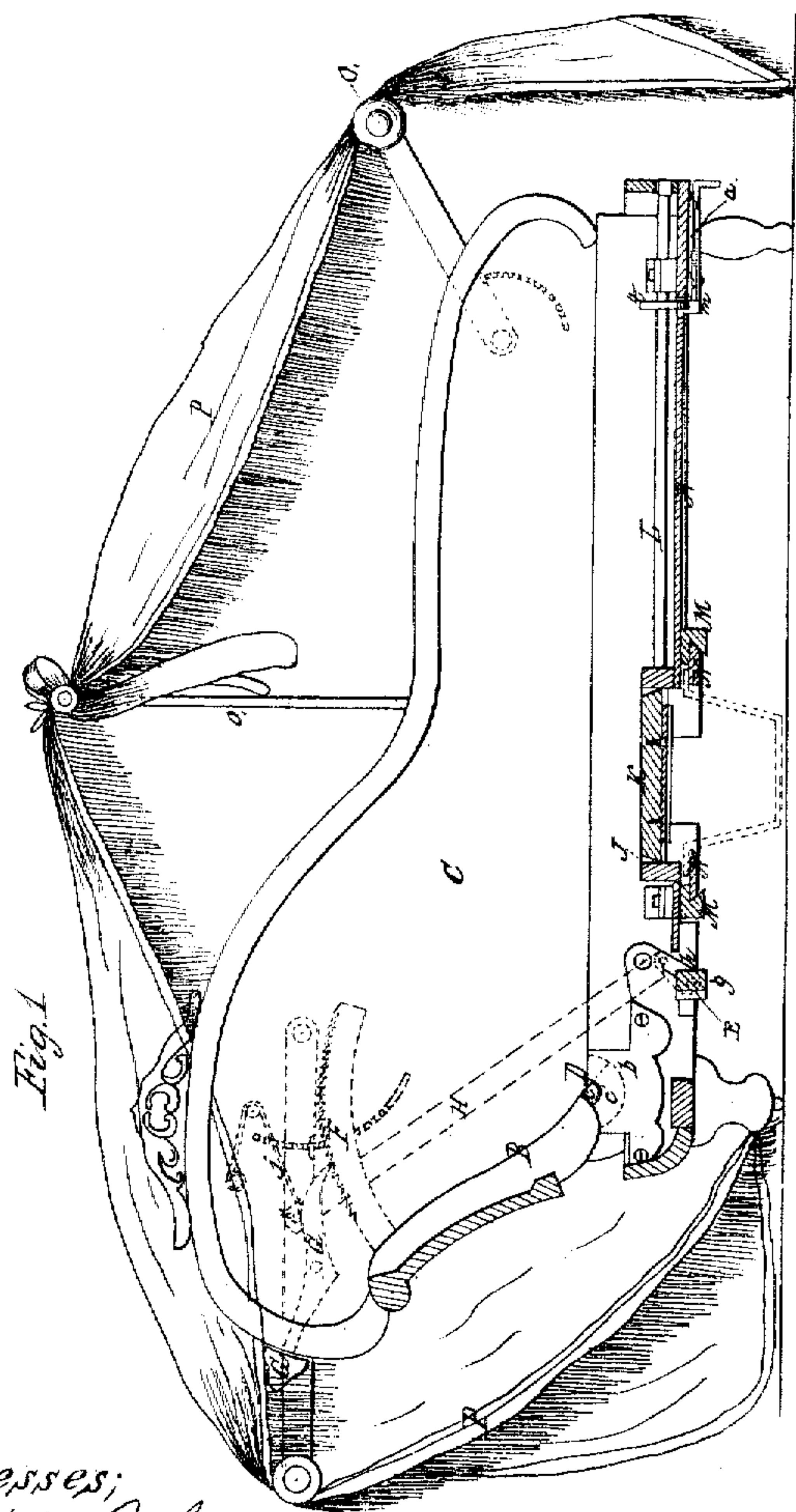
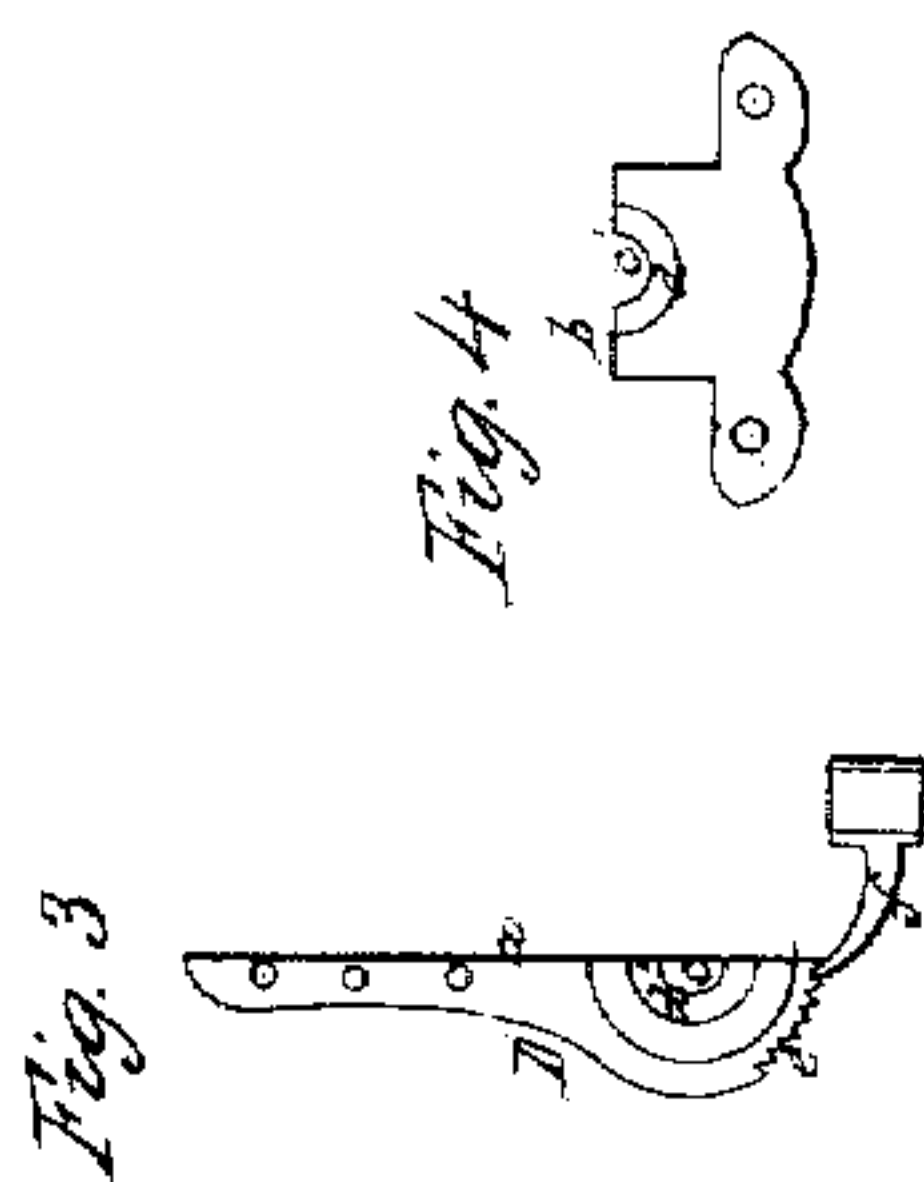


J. G. Broemser,
Invalid Bedstead,

N^o 22,699,

Patented Jan. 25, 1859.



Witnesses;
A. H. H. Richards
B. J. H. Rogers

Inventor;
J. G. Broemser

UNITED STATES PATENT OFFICE.

J. G. BROEMSER, OF ST. LOUIS, MISSOURI.

LOUNGE.

Specification of Letters Patent No. 22,699, dated January 25, 1859.

To all whom it may concern:

Be it known that I, JOHN GOTTIER BROEMSER, of the city of St. Louis, in the State of Missouri, have invented a new and
5 Improved Lounge; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

10 Figure 1 represents a longitudinal vertical section of my improved lounge. Fig. 2 is an inverted plan of the same. Figs. 3 and 4 are detailed views of some of its parts.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in making the head piece of the lounge adjustable, by attaching the same to the seat by means of peculiarly constructed hinges, one of which
20 is provided with ratchet teeth into which a pawl gears, which is released by the operation of a spring catch at the top of the back of the lounge, and within reach of the person lying on the lounge, which serves to
25 steady the head-piece by means of a serrated arc which is attached to the same near its top; and the invention further consists in arranging an aperture in the seat which is closed by a valve, said valve to be so constructed that it may be opened and closed
30 without disturbing the person lying on the lounge, so that a sick person is not compelled (provided the mattress and the bed-clothing be made in accordance with the construction
35 of this lounge) to sit up, and incur the risk of taking cold.

To enable others skilled in the art to fully understand and construct my invention, I will proceed to describe it.

40 The lounge is composed of three chief parts, the seat A, the head piece B, and the back C. The head piece is attached to the seat by means of hinges D, which consist of two parts *a*, and *b*, one of the parts *a*, which
45 are fastened to the sides of the head piece, being represented in Fig. 3, and one of the parts, *b*, which are attached to the seat in the proper places, being represented in Fig. 4. A half-round pin *e*, which projects from
50 the center of the piece *a*, works in a corresponding recess *e'*, in the piece *b*, and this recess is surrounded by a half round projection *d*, which fits in a corresponding groove *d'*, in the piece *a*, which is formed by a
55 half-round strip of sheet metal which corre-

sponds in thickness to the projection *d*, and which is riveted to the piece *a*, at the proper distance from the pin *e*. One or both of the parts *a*, of these hinges are provided with ratchet teeth *e*, into which a pawl *f* gears, 60 which is attached to a rocking cross bar E, which turns on pivots *g*, *g*, in ears *h*, *h*, which are attached to the sides of the seat. (See Fig. 2.) A spring *i*, serves to keep the pawl in contact with the ratchet teeth. By 65 releasing this pawl the head piece may be turned down to any desired inclination. In order to steady and guide the head piece, in its motion, an arc F, is attached to the same near its top, which works in a corresponding 70 ing cavity in the back C, of the lounge. The upper edge of this arc is serrated, and a catch G, is pressed against the edge by means of a spring *j*. This spring is placed 75 into the interior of the back, and the catch G, works entirely in a cavity formed in the back, but it projects far enough beyond the same to enable it to be operated by the person lying on the lounge.

A rod H, from which a pin *k*, projects, 80 resting on the upper side of the catch G, is connected to an arm I, which is attached to the rocking cross bar E, so that by raising the catch G, the cross-bar E, is turned and the pawl *f*, is released from the ratchet 85 teeth *e*, at the under side of the hinges D. By these means the head piece may be brought to any desired inclination, by merely raising the catch G, and by releasing 90 the catch it falls back into the serrated arc F, and the pawl *f*, catches into the ratchet teeth *e*, and the head piece is thereby firmly secured in the position into which it has been brought.

The seat A, is provided with an aperture 95 J, which is closed by a valve K, which is attached to an arbor L, which extends to the end of the lounge and a cam *l*, is attached to this arbor which projects through the seat and which serves as a stop as it strikes 100 against a hook *m*, which is pivoted to the under side of the seat, and which is kept in its position by the action of a spring *n*. The outer edge of the hook *m*, is turned down so as to form a sort of handle and by moving 105 the same in the direction of the arrow, (Fig. 2) the hook *m*, is released from the cam *l*, and the valve K, may be turned down by means of a key which is inserted in the square end of the arbor L. Attached to the 110

under side of the seat, one on each side of the aperture J, are the dovetailed cross bars M, between which a frame N, slides in and out, and this frame is so arranged that a
5 pot may be hung into it, as represented in red outlines (Fig. 1). All these arrangements can be made without disturbing the person lying on the lounge and it is obvious that a sick person is thus enabled to obviate
10 the risks which, under ordinary circumstances, always originate from setting up in the bed. It will be, however, necessary to construct the mattress and the bed clothing in accordance with my lounge, so that by
15 turning down the valve K, the pot placed in the sliding frame N, is freely presented to the person lying on the lounge. In order to insure privacy, in cases where it is desired, I attach adjustable rods O, to the back of
20 my lounge, over which a netting or other curtain P, may be arranged, so that the person lying on the lounge is not exposed when the curtain is closed. These rods serve also

to adjust a mosquito netting around the lounge, when desired.

25

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is—

1. The within described arrangement of the spring catch G, and the serrated arc F, 30 in combination with the pawl f, which gears into ratchet teeth e, at the lower edge of the hinges D, and which is attached to a rocking cross-bar E, and connected to the catch G, substantially as and for the purpose set
35 forth.

2. And I also claim the valve K, in the seat A, which is operated by an arbor L, and by means of a cam l, and a hook m, in combination with the sliding frame N, con- 40 structed substantially as and for the purpose specified.

JOHN GOTTLIEB BROEMSER.

Witnesses:

H. H. RICHARDS,

P. H. KEGLER.