

LUDWIG F. SCHWENKEL.

Improvement in Extension Chairs.

No. 120,780.

Patented Nov. 7, 1871.

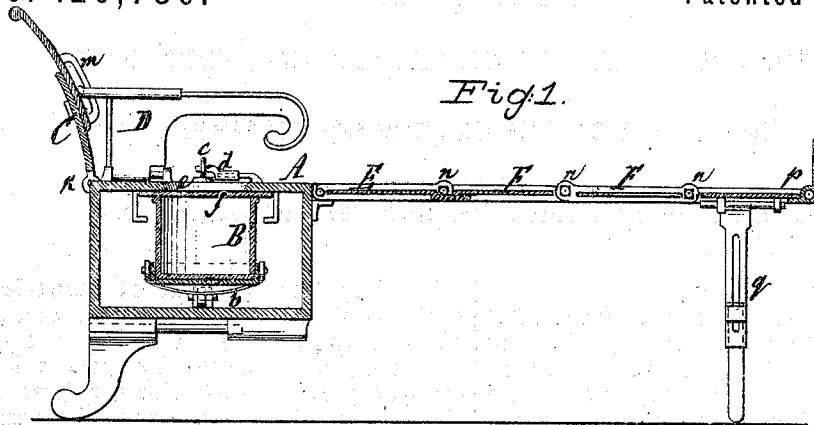


Fig. 1.

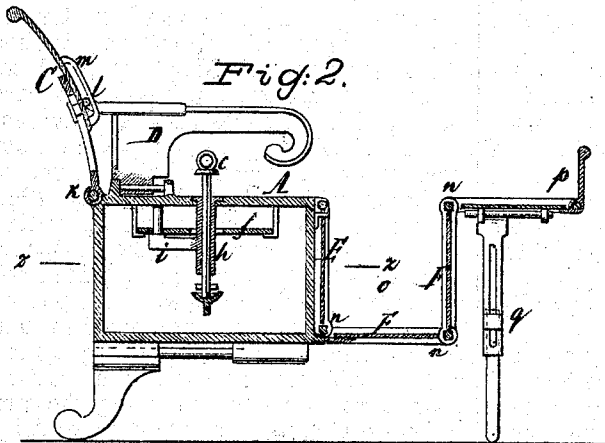


Fig. 2.

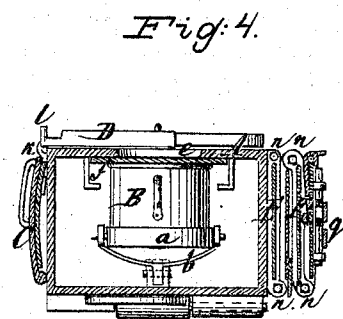


Fig. 4.

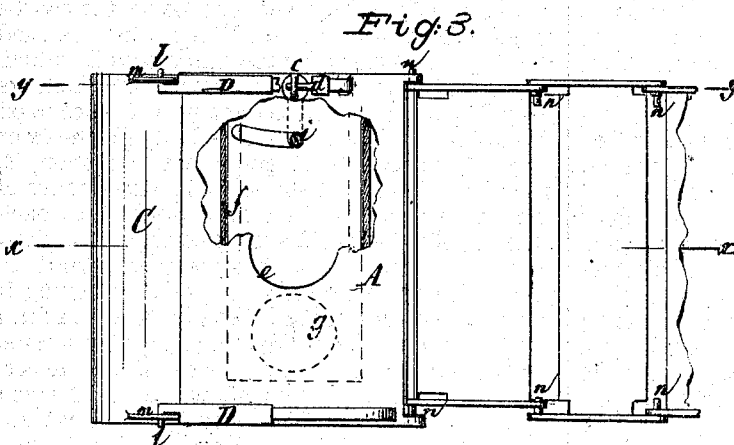


Fig. 3.

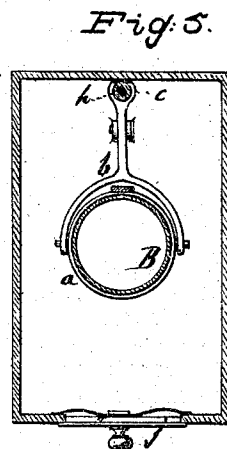


Fig. 5.

Witnesses.

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LUDWIG FRIEDRICH SCHWENKEL, OF NEW YORK, N. Y.

IMPROVEMENT IN EXTENSION CHAIRS.

Specification forming part of Letters Patent No. 120,780, dated November 7, 1871.

To all whom it may concern:

Be it known that I, LUDWIG FRIEDRICH SCHWENKEL, of the city, county, and State of New York, have invented a new and Improved Extension Chair; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a longitudinal vertical section of my chair when the same is extended to form a lounge, the line *x x*, Fig. 3, indicating the plane of section. Fig. 2 is a similar section of the same when partly extended to form a seat, the line *y y*, Fig. 3, indicating the plane of section. Fig. 3 is a plan or top view of the same. Fig. 4 is a longitudinal vertical section of the same when completely folded up. Fig. 5 is a horizontal section of the seat, the line *z z*, Fig. 2, indicating the plane of section.

Similar letters indicate corresponding parts.

This invention relates to a chair, the seat of which is provided with a series of hinged sections connected by slip-joints, so that the same can be brought in a plane with the seat when it is desired to convert the chair into a lounge; or that they can be brought in an angular position, forming a well for the feet and also a foot-rest when the chair is to be used as a seat or reclining-chair. The back-rest is made in sections, so that it can be lengthened or shortened, and all the parts are connected to the seat or body of the chair by hinge-joints, so that the whole chair can be folded up in a comparatively small compass. In the interior of the seat is placed a chamber-pot, which is supported by a lever, so that it can be raised or depressed. In the seat is an opening, which can be opened or closed by a valve placed underneath, and operated by the same finger piece or handle that serves to operate the pot.

In the drawing, A designates the seat of my chair, which is made hollow, as shown in Figs. 1, 2, 4, and 5, so as to receive a chamber-pot, B. This pot is supported by a dish, *a*, hung between the forked end of a lever, *b*. (See Fig. 5.) This lever has its fulcrum in lugs secured in the bottom part of the seat, and it is subjected to the action of a finger piece, *c*, which extends up on the side of the seat, and which, when depressed,

raises the pot close under the inner surface of the seat. A slide or latch, *d*, Figs. 1 and 3, serves to lock down the finger piece. In the seat is an aperture, *e*, and beneath this aperture is placed a valve, *f*, provided with a hole, *g*, (seen in dotted lines in Fig. 3,) which can be made to correspond with the aperture in the seat when it is desired to use the pot B; or which can be moved away from under the aperture *e* when it is desired to close this aperture. The valve *f* is operated by the finger piece, the shank of which is square, and passes through a swivel-box, *h*, carrying an arm, *i*, which engages with the valve, so that by turning the finger piece the valve is made to slide back and forth, and the hole *g* in the valve can be brought in the desired position. (See Fig. 2.) When the pot is raised it presses the valve *f* close up to the under surface of the seat, and the aperture *e* is firmly closed, provided the hole *g* is in the proper position; and when the pot is lowered the valve can be readily adjusted so that the pot can be used. A door, *j*, (see Fig. 5,) in the side of the seat, gives access to the pot for the purpose of removing or reinserting the same. The back-rest C is connected to the seat A by a joint, *k*, and it is made in sections, so that it can be lengthened or shortened. When it is to be used it is held in position by the arm pieces D, which are hinged to the sides of the seat, and which are provided with hooks *l* to engage with eyes *m* on the back-rest. (See Figs. 1 and 2.) To the front edge of the seat is hinged a leaf or section, E, which connects by a slip-joint, *n*, with a series of similar sections, F, that are attached to each other by slip-joints of such a construction that, by moving one of the sections in a lateral direction it can be turned down, and by moving it back it becomes locked, the pivots which form the joints being partly round and partly square. By these means I am enabled to adjust the sections E F in the position shown in Fig. 1 when my chair is to be used as a lounge; or I can adjust them in the position shown in Fig. 2 when the chair is to be used as a seat. In this last case I form a well, *o*, for the reception of the feet when the person occupying the seat desires to sit up, and also a foot-rest, *p*, when the person occupying the chair desires to adopt a reclining position. The foot-rest *p* is supported by legs *q*, which can be lengthened or shortened, and which can be folded in if they are not to be used. When

the chair is to be put up for transportation, or to be stored away in a small compass, the back-rest is contracted and turned down to the position shown in Fig. 4, and the sections E F, together with the legs *g*, are folded up, as shown in said figure.

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

1. The sections E F, and foot-rest *p*, connected to each other by slip-joints *n*, and attached to the seat A, substantially in the manner herein shown and described.

2. The combination of the extension back-rest C, hinged arm pieces D, seat A, hinged sections

E F, foot-rest *p*, and folding-legs *g*, substantially in the manner herein set forth.

3. The chamber-pot B, situated in the interior of the seat A, and supported by a lever, *b*, in combination with the finger piece *c* and valve *f*, all constructed and operating substantially in the manner and for the purposes herein shown and described.

This specification signed by me this 18th day of September, 1871.

LUDWIG FR. SCHWENKEL.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.

(62)