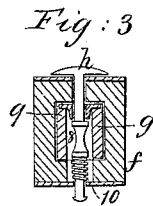
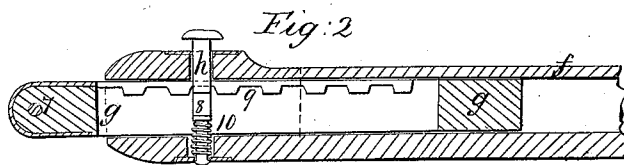
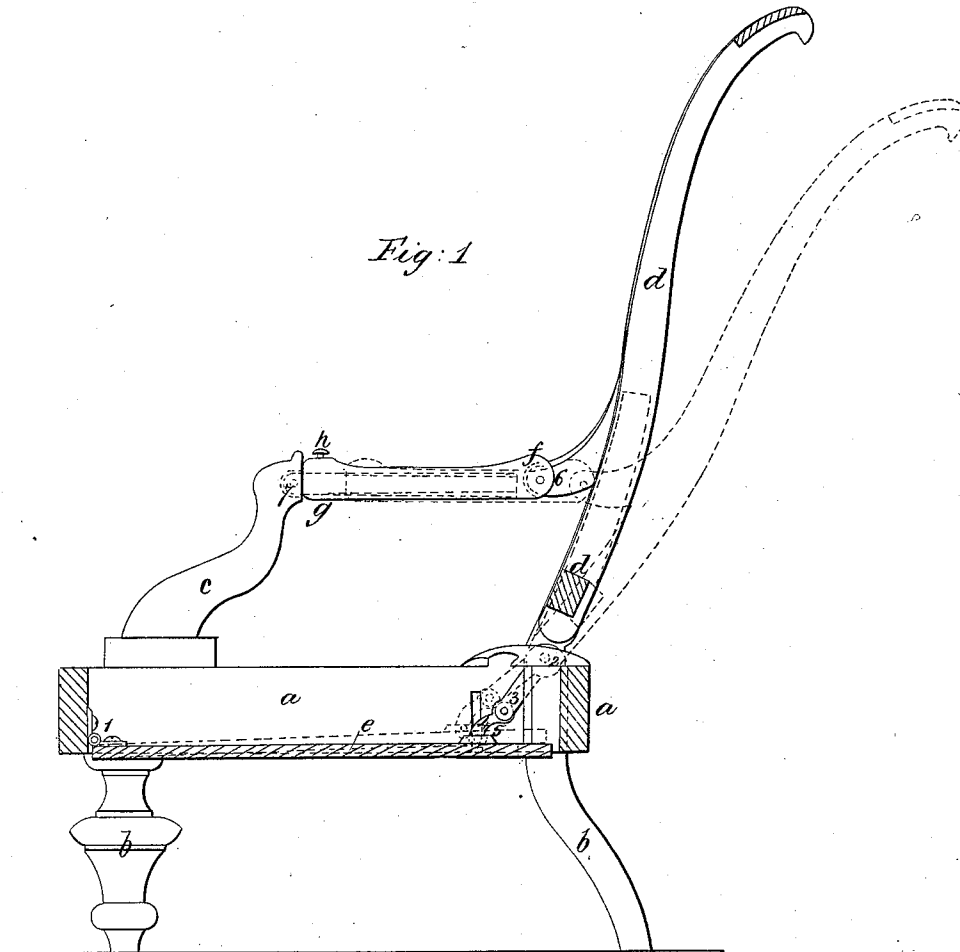


P. J. Hardy,
Reclining Chair.
N^o 30,877. Patented Dec. 11, 1860



Witnesses,
Linnell M. Serull
Chas H. Smith

Inventor,
P. J. Hardy

UNITED STATES PATENT OFFICE.

PETER J. HARDY, OF NEW YORK, N. Y.

RECUMBENT CHAIR.

Specification of Letters Patent No. 30,877, dated December 11, 1860.

To all whom it may concern:

Be it known that I, PETER J. HARDY, of the city and State of New York, have invented, made, and applied to use a certain
5 new and useful Improvement in Recumbent Chairs; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a vertical section of my said chair through the seat and back, Fig. 2 is a longitudinal section of my extension arm
15 and stop, and Fig. 3 is a cross section of the same.

Similar marks of reference indicate the same parts.

Several chairs have heretofore been fitted
20 so that the back would incline and a foot board extend, to form a recumbent chair when desired; and the arm pieces of such chairs have been fitted to extend as the back inclines and "vice versa."

25 The nature of my said invention consists in a reclining back combined with a hinged seat through a crank arm and link, in such a manner that the act of inclining the back raises up the rear part of the seat. The
30 back is sustained by sliding arms provided with stops constructed in a peculiar manner.

In the drawing *a*, is the frame or base of the chair on the legs *b*, *b*, and *c*, is the fixed part of the arms.

35 *d* is the chair back united to the base *a*, by metal straps forming hinges as at 2, and said metal straps are extended as at 3, in the form of crank arms, from which links (4) pass to studs (5) attached to the bottom
40 board *e*, one on each side thereof; and this seat board *e*, is attached to the frame *a*, by suitable hinges as at 1. As the chair back is reclined more or less, (see dotted lines,) the rear part of the board *e*, is raised by the
45 crank arms (3) and links (4) that renders the chair more comfortable for the occupant in a recumbent position.

The upholstering of the back is to be of

any desired character, and that of the seat should be upon springs that rise above and
50 rest upon the board *e*. The covering material for the seat may pass outside of, and be attached to the base or frame *a*, being left sufficiently loose to rise and fall with the bottom board *e*; or when upholstered as
55 usual the raising of the bottom board *e*, will compress the springs and sustain the weight with a less movement in the springs.

The extension arm passing from the part
60 *c*, to the back *d*, is made in two pieces. The outer part *f* is hollow and is attached to the back *d*, by the joint 6, and receives within it the slide *g* attached to *c*, at 7. This slide *g* has a slot vertically and lengthwise through it that passes the stop *h*, that goes
65 through the arm *f* near its end and said stop *h*, is provided with a spring 10, to throw it up, and cause the projections 8, to take notches 9, in the underside of a metallic bar
70 formed with, or attached to the slide *g*.

The occupant of the chair by putting his hands on the arms *f*, and depressing the stops *h*, is enabled to incline or elevate the back (*d*), and seat (*e*), at pleasure, and upon releasing the stops (*h*), the springs
75 (10,) cause them to take the notches 9, and retain the chair back in the given position.

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

1. The reclining back *d*, and hinged bottom *e*, connected by the crank arms (3) and links (4) in the manner and for the purposes specified.

2. The stop *h*, on the arm piece *f* passing through the slotted side *g*, and provided with
85 the spring 10, and projections 8, to take the notches 9 on the slide *g* as and for the purposes set forth.

In witness whereof I have hereunto set my signature this twenty-first day of November 1860.

P. J. HARDY.

Witnesses:

LEMUEL W. SERRELL,
CHAS. H. SMITH.