

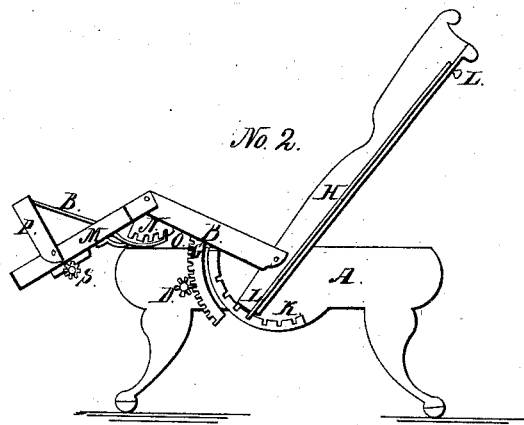
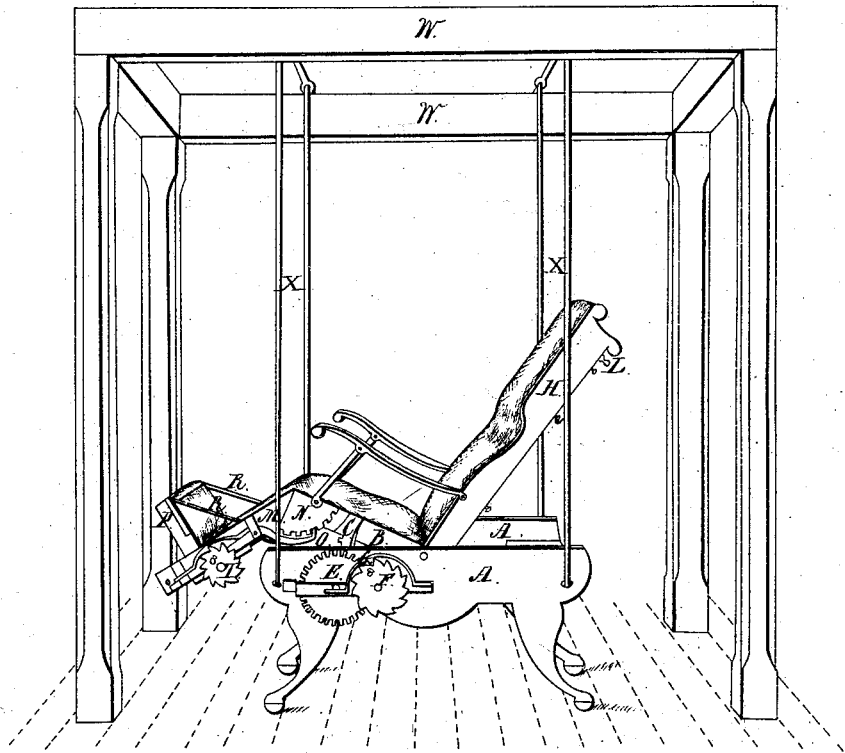
E. Carver,

Invalid Chair,

N^o 775,

Patented June 12, 1838.

No. 1



UNITED STATES PATENT OFFICE.

ELEAZER CARVER, OF BRIDGEWATER, MASSACHUSETTS.

IMPROVED VARIETY-COUCH.

Specification forming part of Letters Patent No. 775, dated June 12, 1838.

To all whom it may concern:

Be it known that I, ELEAZER CARVER, of Bridgewater, in the county of Plymouth and Commonwealth of Massachusetts, have invented an improved couch or easy-chair, for accommodation, health, and comfort, which I denominate a "variety-couch;" and I do hereby declare that the following is a full and exact description thereof.

Figure 1 in the accompanying drawings is a perspective view of the couch and of the frame in which it may be suspended when desired. Fig. 2 represents the couch with one side of the lower part or stool removed for the purpose of exhibiting the arrangement of some parts of the machinery which could not otherwise be brought into sight.

In each of these figures like parts are designated by the same letters of reference.

A A is what I denominate the "stool," which has four legs furnished with rollers or casters, and which serves as the basis by which the other parts of the couch are supported.

B is one side of the seat, which works upon a joint-pin at *b*, and to these side pieces are attached toothed segments C, into which a pinion, D, Fig. 2, gears, for the purpose of raising or lowering the seat.

E, Fig. 1, is a toothed wheel on the same shaft with the pinion D, and F is a ratchet-wheel furnished with a spring-pawl, G, and carrying a pinion gearing into E. A winch adapted to the shaft of F will give the desired movement to the seat B. The back of the couch H turns upon the same joint-pins *b* with the seat B. The arms *h h* also turn on joint-pins, as shown in Fig. 1, and in every position of the seat preserve their parallelism thereto.

The back of the couch may be placed at any degree of inclination which may be desired; or it may assume a vertical or horizontal position. To retain it in place I construct spring-bolts L L, which are affixed to the sides H of the back, the ends of which bolts drop into notches in metallic circular segments K, prepared to receive them. Other arrangements may be effected; but this I have found to answer the best.

M is one of the side pieces of the front or leg support of the couch, attached to B by joint-pins, and capable, like it, of having its inclination changed in any required degree.

For this purpose a notched segment-plate, N, is attached to the side pieces, B, of the seat, and into them a catch pawl or lever, G, is adapted, said catch being attached to M, and being borne up by a spring.

P is a foot stool or rest having hooked rods R R to support it, and which may also be used to alter its inclination. This footstool is made to slide along the pieces M, to adapt it perfectly to the length of the legs. This is effected by means of a rack-and-pinion movement fixed in the ordinary way, S being one of the pinions.

T represents a ratchet-wheel and spring-pawl for moving and holding the slide, and operating in a manner too well known to require description.

In Fig. 1, W W represent a suspending-frame, and X X rods of metal, the lower ends of which may be bent at right angles, and enter holes adapted to receive them in the sides of the stool; or they may be attached to the stool and to the top of the frame in any manner which will allow the couch to swing freely. The swinging motion may be given by an attendant, or by the person on the couch, exerting a very slight degree of force, by a line attached to either of the suspending-rods.

It is not necessary to describe the cushions to be adapted to this couch, or to speak of other known devices for the convenience of the person sitting or reclining thereon, as the means of employing them will be perfectly obvious.

I do not intend to claim as of my invention the individual parts of this apparatus which I have described above, as, taken alone, most of them are familiarly known to machinists; but

What I do claim is—

The particular manner in which the inclination of the back of the couch is governed by the spring-bolts and notched segments, as described, and the particular manner in which this is combined and connected with the other parts, so as to constitute a variety-couch, substantially like that set forth, taken in its combined character.

ELEAZER CARVER.

Witnesses:

B. K. MORSELL,
LINTON THORN.