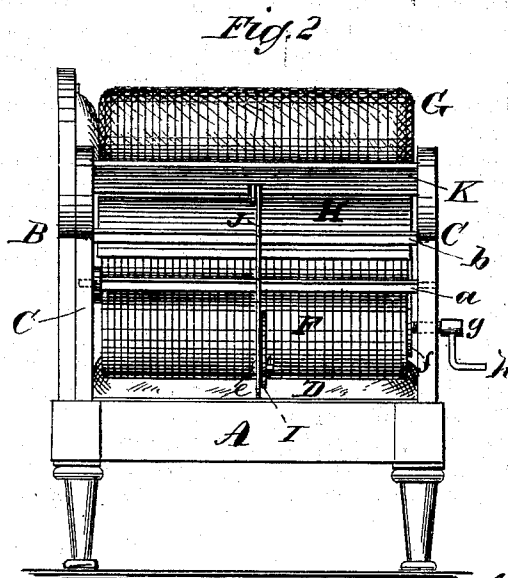
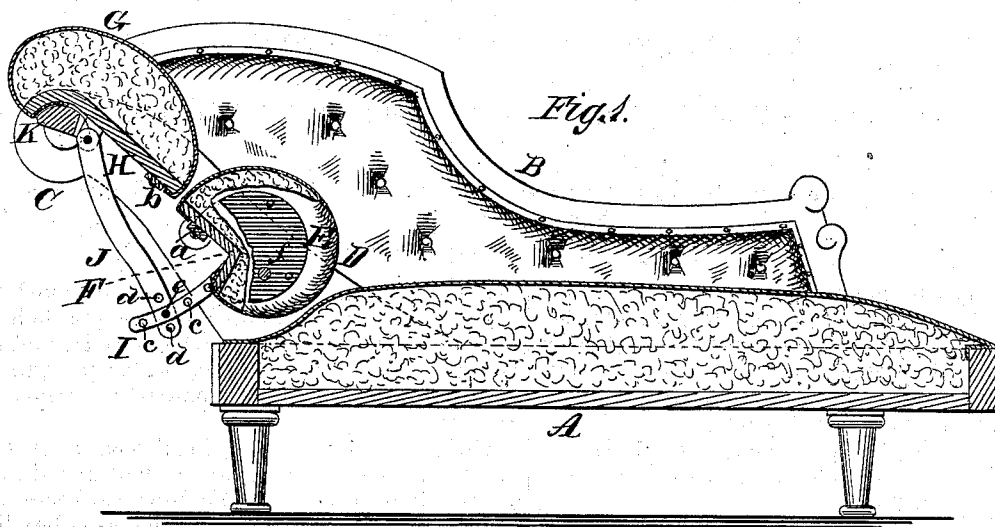


C. RAABE.
Head-Section for Couches.

No. 198,681.

Patented Dec. 25, 1877.



WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

CLAUS RAABE, OF CLIFTON, NEW YORK.

IMPROVEMENT IN HEAD-SECTIONS FOR COUCHES.

Specification forming part of Letters Patent No. **198,681**, dated December 25, 1877; application filed August 24, 1877.

To all whom it may concern:

Be it known that I, CLAUS RAABE, of Clifton, county of Richmond, and State of New York, have invented a new and Improved Self-Adjusting Head-Section for Couches, of which the following is a specification:

Figure 1 is a vertical longitudinal section of my improved couch. Fig. 2 is an end elevation.

Similar letters of reference indicate corresponding parts.

My invention consists of two movable head-sections, attached to pivot-bars journaled in the couch-frame, said sections being connected together so as to move in opposite directions; the object being to provide a head-section the parts of which are adjustable and counterbalance each other, so that they will maintain any position in which they may be placed.

In the drawings, A is the body of the couch, having the usual back B and arms C for supporting the head-section. D is the lower portion of the head-section, which consists of a round bolster, E, attached to a frame, F, made by fastening two boards together at an angle. This portion of the head-section is secured to a bar, *a*, which is round at its ends, which project beyond the ends of the bolster, and are received by holes in the arms C.

The upper portion G of the head-section consists of a convex bolster secured to a rigid back, H. The back H is secured to a bar, *b*, having round ends, that project into holes in

the arms C. A curved arm, I, is attached to the part F, and is provided with several holes, *c*. A bar, J, is jointed to the part H, and is provided with several holes, *d*, for the pin *e*, that also passes through one of the holes in the arm I.

The two parts of the head-section swing easily on their pivot-bars, and will remain in any desired position. The downward motion of the part G is limited by the cross-bar K, which connects the arms C. The adjustment of the two parts may be altered by changing the pin *e* in the holes *c d*.

A plate, *f*, is attached to the end of the part D, and a screw, *g*, passes through the outer arm C, and is provided with a handle, *h*, by which it may be turned so as to bear against the plate *f*, and clamp the part D in any desired position.

The bolster E, being separate from the part G, forms a convenient and comfortable support for the head of a person lying upon the couch.

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

The combination, in a couch, of the parts D G, having pivot-bars *a b*, the arm I, and bar J, substantially as herein shown and described.

CLAUS RAABE.

Witnesses:

GEO. M. HOPKINS,
ALFRED LURCOTT.