

J. R. RICHARDSON.  
DESK.

No. 191,369.

Patented May 29, 1877.

Fig. 1.

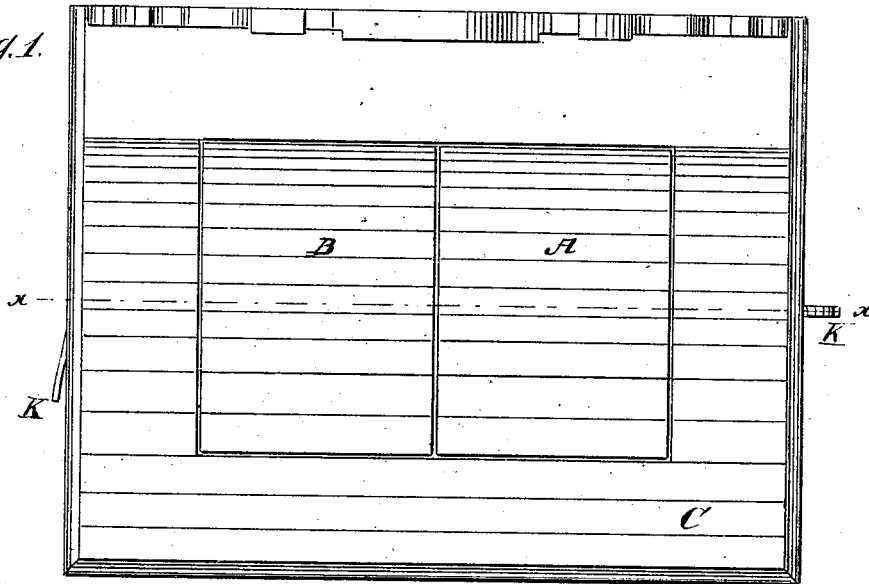
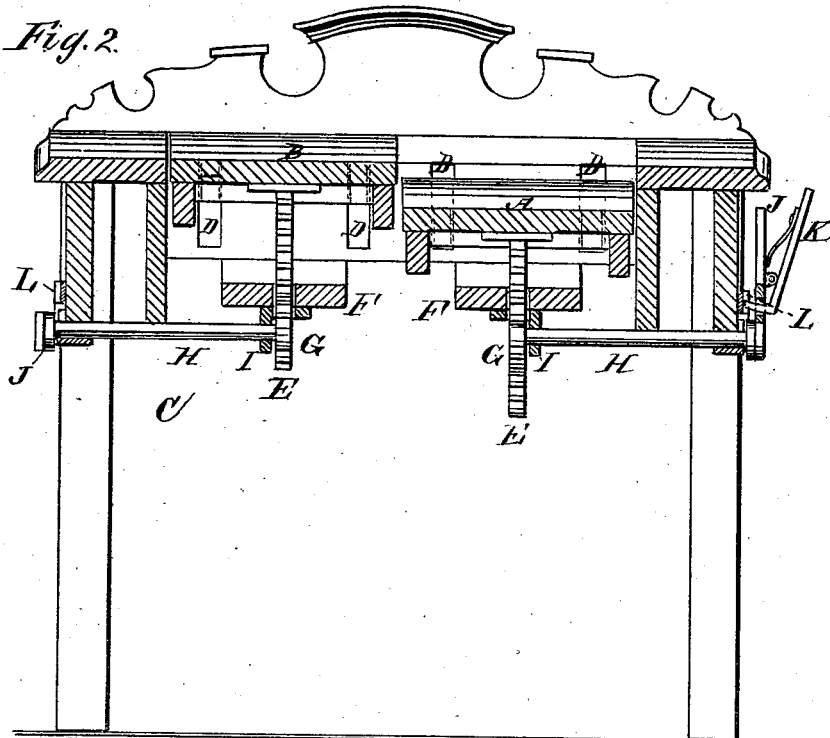


Fig. 2.



WITNESSES:

*E. Wolff.*  
*J. Scarborough.*

INVENTOR:

*J. R. Richardson*  
BY *Munnell*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JAMES R. RICHARDSON, OF MAJORITY POINT, ILLINOIS.

## IMPROVEMENT IN DESKS.

Specification forming part of Letters Patent No. **191,369**, dated May 29, 1877; application filed April 2, 1877.

*To all whom it may concern:*

Be it known that I, JAMES R. RICHARDSON, of Majority Point, in the county of Cumberland and State of Illinois, have invented a new and Improved Desk, of which the following is a specification:

Figure 1 is a plan view. Fig. 2 is a longitudinal section on line *x x* in Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention consists in the arrangement of movable sections in the top of the desk, which are raised or lowered by means of racks and toothed sectors, to accommodate the desk to books of different thicknesses, and to adjust it to different heights to suit different persons.

In the drawing, A B are movable portions of the top of the desk C, which are guided in slots D at the sides of the opening, in which they are placed.

Racks E are attached centrally to the movable portions of the desk-top, and are guided by cross-bars F, that extend across the under portion of the desk-top.

G G are toothed sectors that mesh into the racks E, and are secured to the inner ends of

shafts H, which are journaled in the end rails of the desk, and in hangers, I that are attached to the cross-bars F.

To the ends of the shafts H cranks J are attached, carrying lock-levers K, that engage the notched plates L at the ends of the desk.

By disengaging the lock-levers K and moving the cranks J, the parts A B of the desk-top may be adjusted so as to accommodate the covers of a book that is opened at one side of its center. The two sides of the book thus supported present a level surface, which may be upon the same plane as the top of the desk, or above it, as circumstances may require.

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

The cranks J, locking devices K, shaft H, toothed sectors G, rack-bars E, and guide-bars F, combined, substantially as described, with the movable portions A B of the desk-top, guided in slots D, for the purpose specified.

JAMES R. RICHARDSON.

Witnesses:

JOHN W. MILLER,

WESTERN R. HUMPHREY.