

UNITED STATES PATENT OFFICE.

ALFRED O. TOWER, OF LINCOLN, MASSACHUSETTS.

ROTARY STUDY-TABLE OR BOOK-CASE.

SPECIFICATION forming part of Letters Patent No. 255,127, dated March 21, 1882.

Application filed October 8, 1881. (No model.)

To all whom it may concern:

Be it known that I, ALFRED O. TOWER, of Lincoln, of the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Rotary Study-Tables or Book-Cases; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a horizontal section, and Fig. 2 a vertical and transverse section, of an article containing my invention, the nature of which is defined in the claims hereinafter set forth.

In such drawings, A denotes a column or stand, and B a case adapted to revolve on and be supported by such stand. The case is hexagonal or prismatic on its lower portion, and frusto-pyramidal in its upper part, there being a chamber, C, in the lowest portion, and another chamber, D, in the upper one. These chambers encompass two tubular posts, E F, arranged within the case in manner as shown. The lower chamber is open on each side for reception of books, and there is at each corner of it a prismatic post, G, such post G being arranged in manner as represented in Fig. 1, which is a section of the lower chamber. The upper chamber is closed at its sides, except that one or more of the closing-covers H I hinge at its lower part (as shown at *a*) to the case, in order that the said cover may be turned downward into the position represented at H' by dotted lines. Each cover has a flange or ledge, *b*, extended from it at its lower edge, in manner as represented.

If desirable, one or more of the covers H may be hinged at its upper edge to the case, so as to be capable of being turned upward relatively thereto.

Within the lower chamber is a movable shelf, I, and its carrier K, they being hinged together, in order for the said carrier to be turned down into a position with reference to the shelf, as shown in Fig. 2. The shelf is adapted to slide into and out of the case B between two of the posts G and under a stationary cross-bar, *d*, arranged as shown. A tripper or cord or chain, *e*, extends from one of the posts to the carrier K, such carrier having a stop or ledge, *f*, projecting from it, as shown.

Pivoted to the post is an arm or strut, L, and underneath the shelf I is a cross-bar, *g*.

On pulling the shelf out of its chamber the carrier will be drawn against the bar *g*, and be turned up thereby into a horizontal position. On reaching the front of the chamber the carrier will be stopped by its ledge *f* bringing up against the bar *d*. The shelf may next be turned down into the inclined position, as shown by dotted lines at I', and be supported in such position by the arm or strut L when turned into the position as shown at L' by dotted lines. The shelf, when in the position represented at I', answers to support the cover H when turned down into the position as shown at H', it, when therein, serving as a desk or means of supporting paper while being written upon. On forcing the shelf I back within the case the tripper *e* will be caused to draw the carrier down into a vertical position in order for the entire shelf to be introduced within the case.

While the lower chamber of the rotary case answers as a means of holding books, the upper chamber may be used for receiving stationery or various other articles.

I do not claim a rotary case and its supporting-stand, such being old; but

What I claim in the rotary study-table or book-case as of my invention is as follows, viz:

1. The combination of the movable shelf I, its carrier K, having the ledge *f*, and tripper *e*, with the rotary case B, applied to the standard A, and provided with the cross-bars *d* and *g*, arranged as set forth.

2. The combination of the pivoted arm L with the case B, provided with the bars *d* and *g*, and with the movable shelf I and its carrier K, all being arranged and adapted to operate substantially as described.

3. The combination of the turn-down leaf or cover H, applied, as described, to the rotary case B, with such case, and with the movable shelf I, its carrier K, and arm or strut L, arranged in and adapted to such case, substantially as specified.

4. The rotary case B, having the two separate chambers C D, the tubular parts E F, prismatic posts G, and the covers H, arranged substantially as set forth.

ALFRED O. TOWER.

Witnesses:

R. H. EDDY,
S. N. PIPER.