

J. A. PAYNE.
Desks and Book-Cases.

No. 139,419.

Patented May 27, 1873.

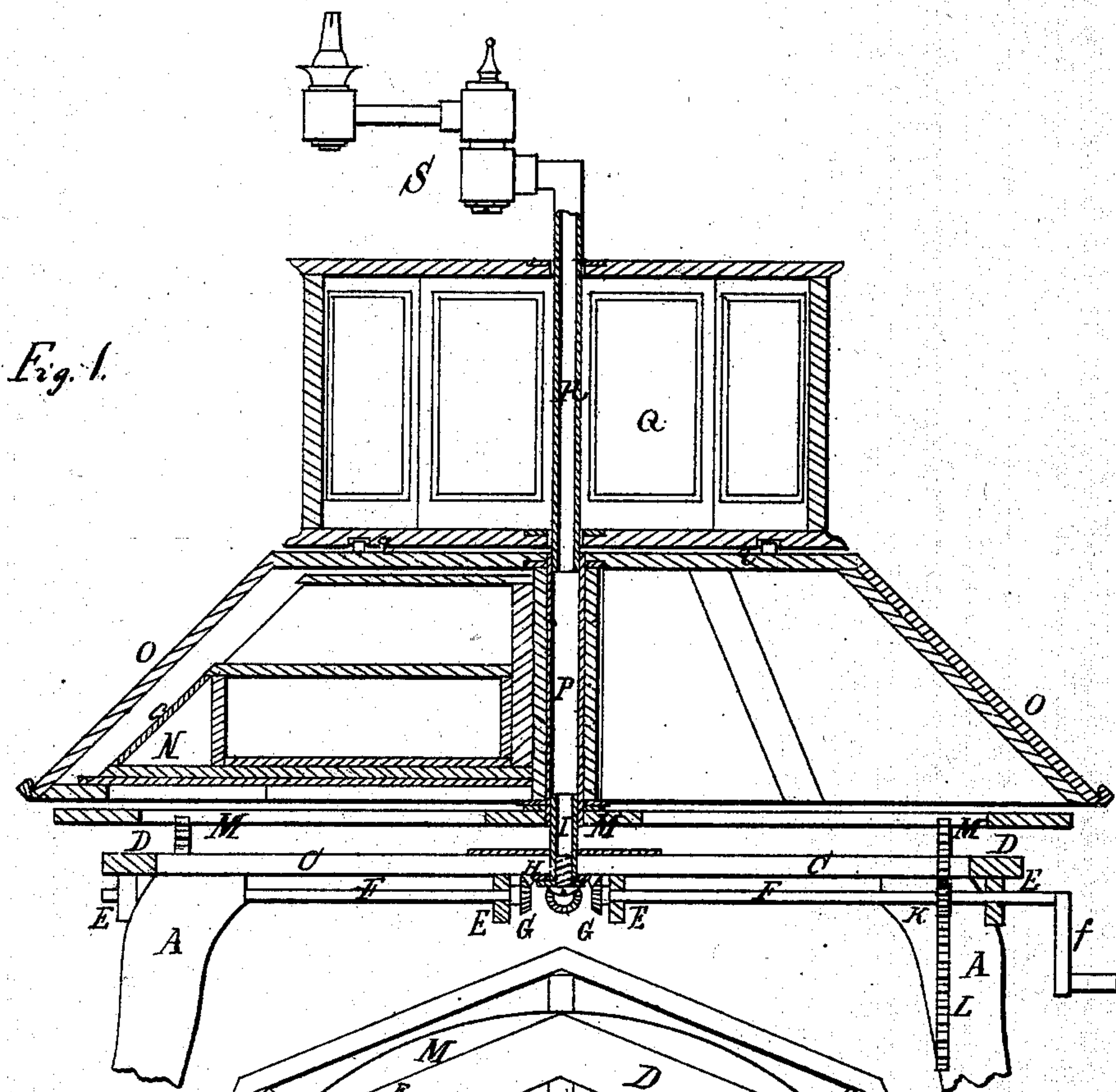
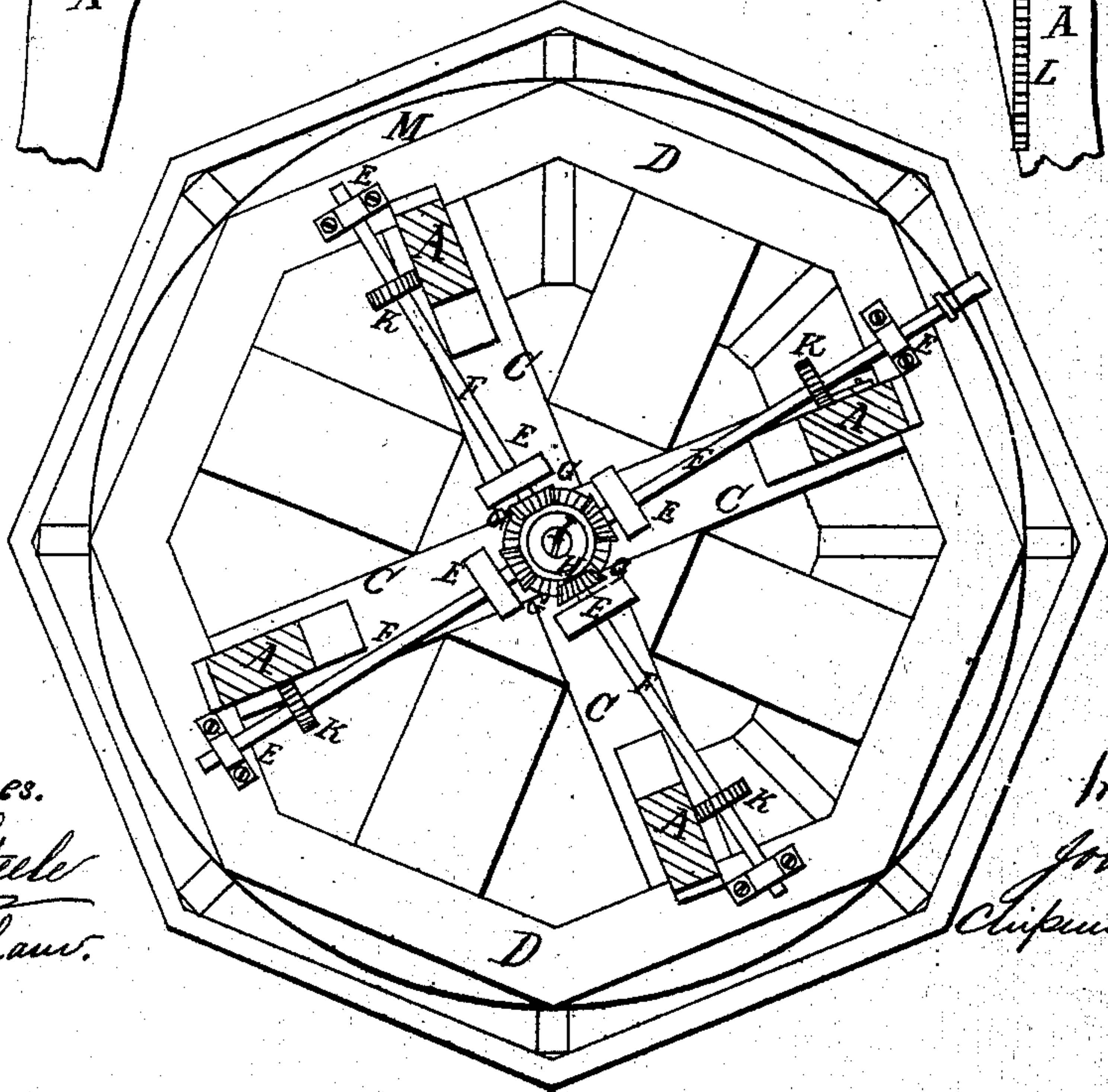


Fig. 2.



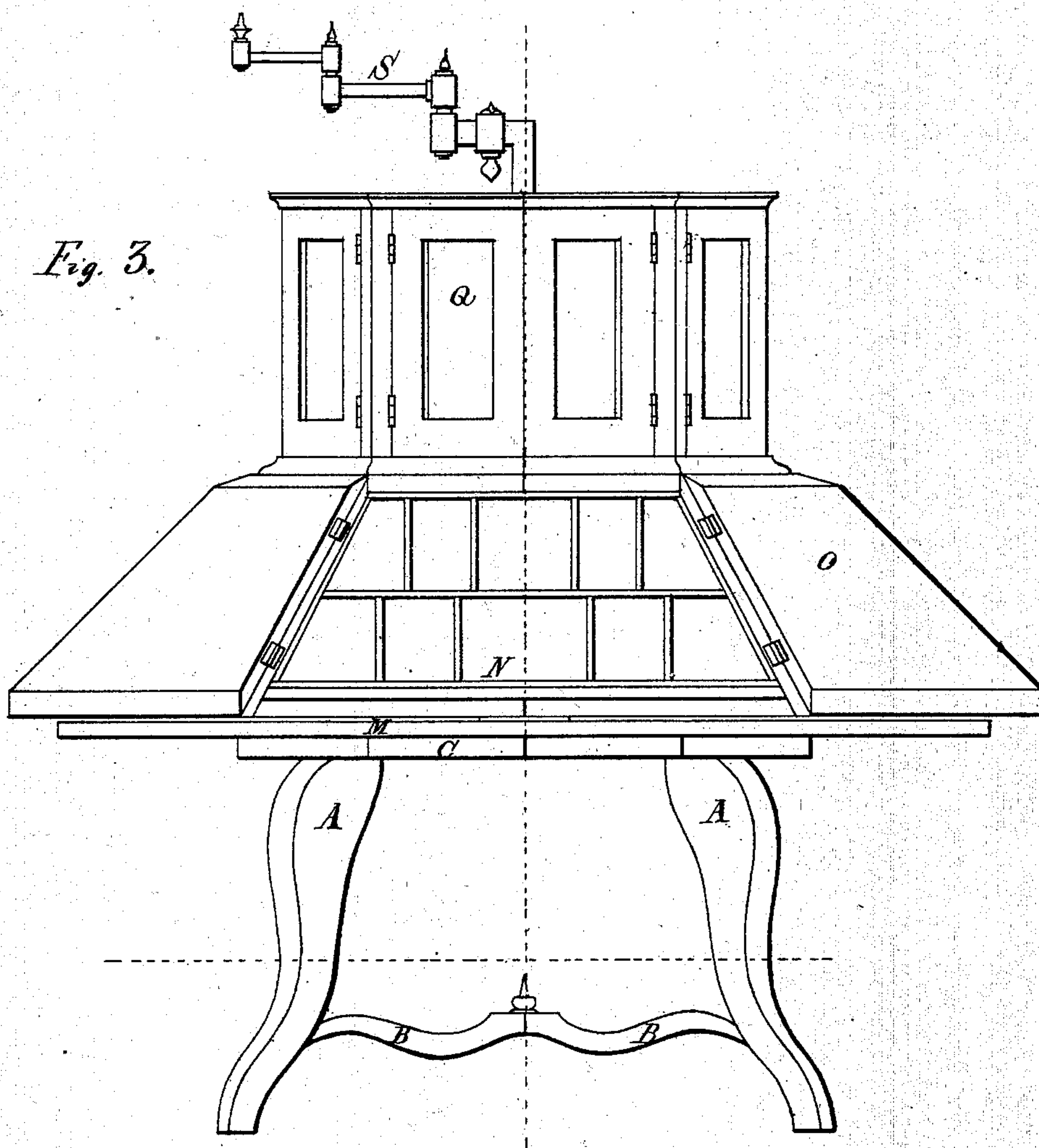
Witnesses.
Chas. B. Steele
H. E. Upham.

Inventor
John A. Payne
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UNITED STATES PATENT OFFICE.

JOHN A. PAYNE, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN DESKS AND BOOK-CASES.

Specification forming part of Letters Patent No. **139,419**, dated May 27, 1873; application filed May 3, 1873.

To all whom it may concern:

Be it known that I, JOHN A. PAYNE, of New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and valuable improvement in a combination reading-table, writing-desk, and book-case; 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 drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical section of my combination desk. Fig. 2 is a horizontal section of the same. Fig. 3 is a side elevation of the same.

My invention relates to desks and it consists in the construction and novel arrangement of a writing-desk, a revolving reading-desk, and a revolving book-case, mounted on an upright pivot and on a horizontal frame or plate which rest on vertical racks with gear-wheels, by which the desks and book-case may be elevated or lowered at pleasure. The object of my invention is to furnish a piece of furniture which combines the conveniences of the three above-mentioned articles in such proximity that a person may make use of either desk and the book-case without changing his position, and that he also may be able to change the elevation so as to suit him in any attitude he may choose for writing or reading. The advantages of my invention may be enhanced by the application of an adjustable chandelier to the same upright pivot around which the desk and book-case revolve.

In the drawings, A A A A represent the legs of a table, which may be braced near the lower ends by the braces B B and which are braced above by diagonal braces C C and an octagonal or round rim, D. Below the said rim are fastened the bearings E E, which support the shafts F F F F, one of which is provided with a hand-crank, *f*. At the end of each shaft is a bevel-gear, G, gearing into a central bevel-gear, H, which turns on an upright pin or tube, I, and serves to communicate motion from one shaft to the remaining

three shafts. The shafts F F F F are provided with stern-wheels K K K K, gearing into racks L, which slide in grooves on the legs A A A A, and on the tops of which a plate or frame, M, rests, which supports the desks and the book-case. The writing-desk N is inclosed by the reading-desk O, and it is fastened to a tube, P, which is fastened to the plate or frame M in an upright position and serves as a guide to the pin or tube I by inclosing it, and also forms the central bearing for the reading-desk O. The reading-desk is a combination of several inclined plates connected on top with a horizontal plate, *o*, through which the tube P passes, and another plate or frame, *o'*, which connects the lower parts of the desk-plates O O, and is also pivoted to the tube P. The writing-desk is fastened to the tube P between the plate *o* and the frame *o'*, and is accessible through the reading-desk by swinging two hinged inclined desk-doors open. The book-case Q revolves on a tube, R, fastened in the tube P, and travels on the top-plate *o* of the reading-desk O. The tube R extends above the book-case and carries an arm, S, with a burner or chandelier for the application of gaslight. To avoid inconvenience in turning the book-case when it is heavily loaded with books, the bottom of the book-case should be provided with friction-rollers *q q*. Friction-rollers should also be fastened to the bottom of the reading-desk O to travel on the frame M.

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

The combination of the standard frame D, shafts F, wheels G H and K, racks L, extensible pivot-tube I P R, and frame M with the reading-desk O, writing-desk N, and book-case Q, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JNO. A. PAYNE.

Witnesses:

ANDREW HERO, Jr.,
GEO. GRENE.