

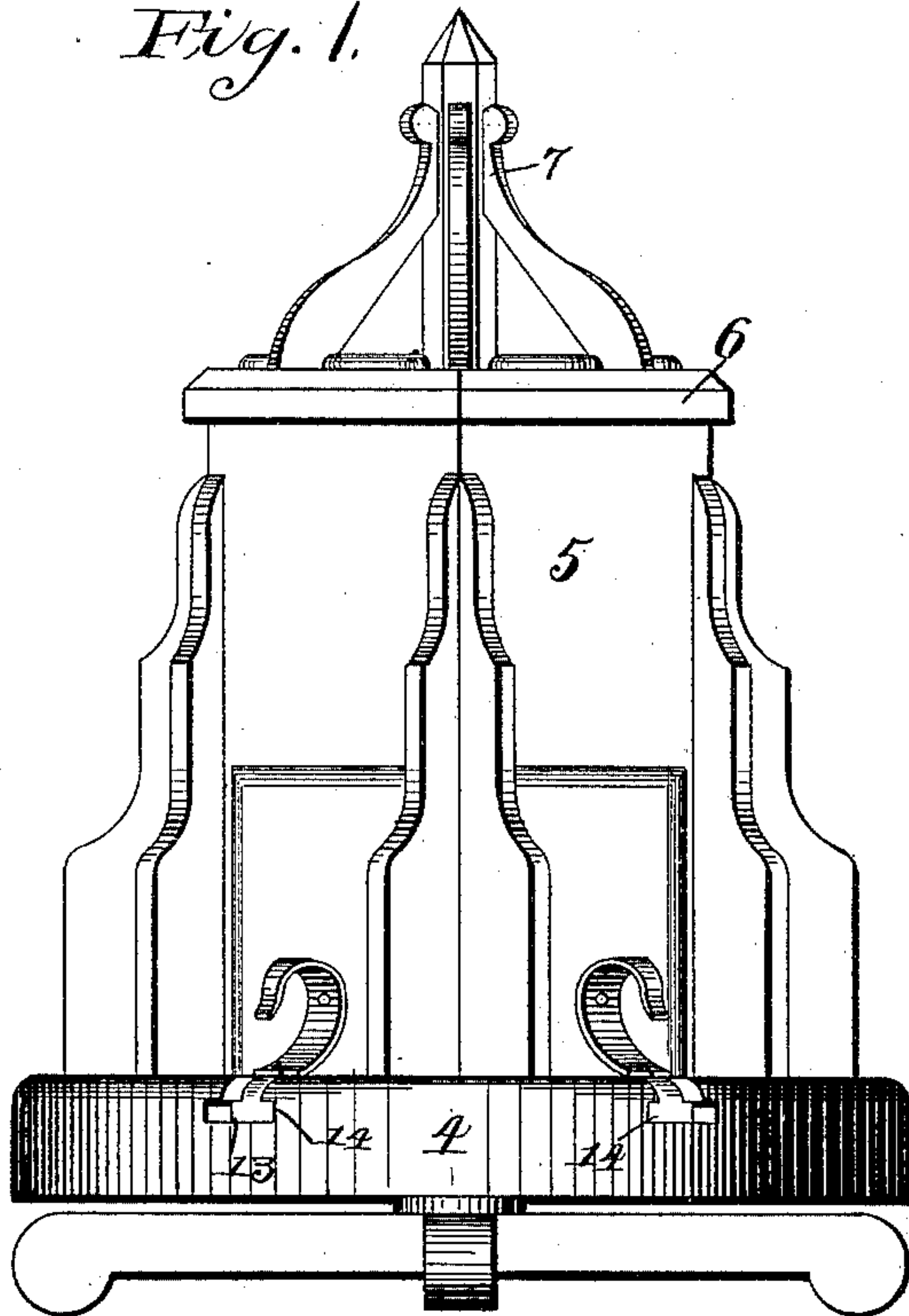
(No Model.)

R. S. RICH.  
DOCUMENT FILE.

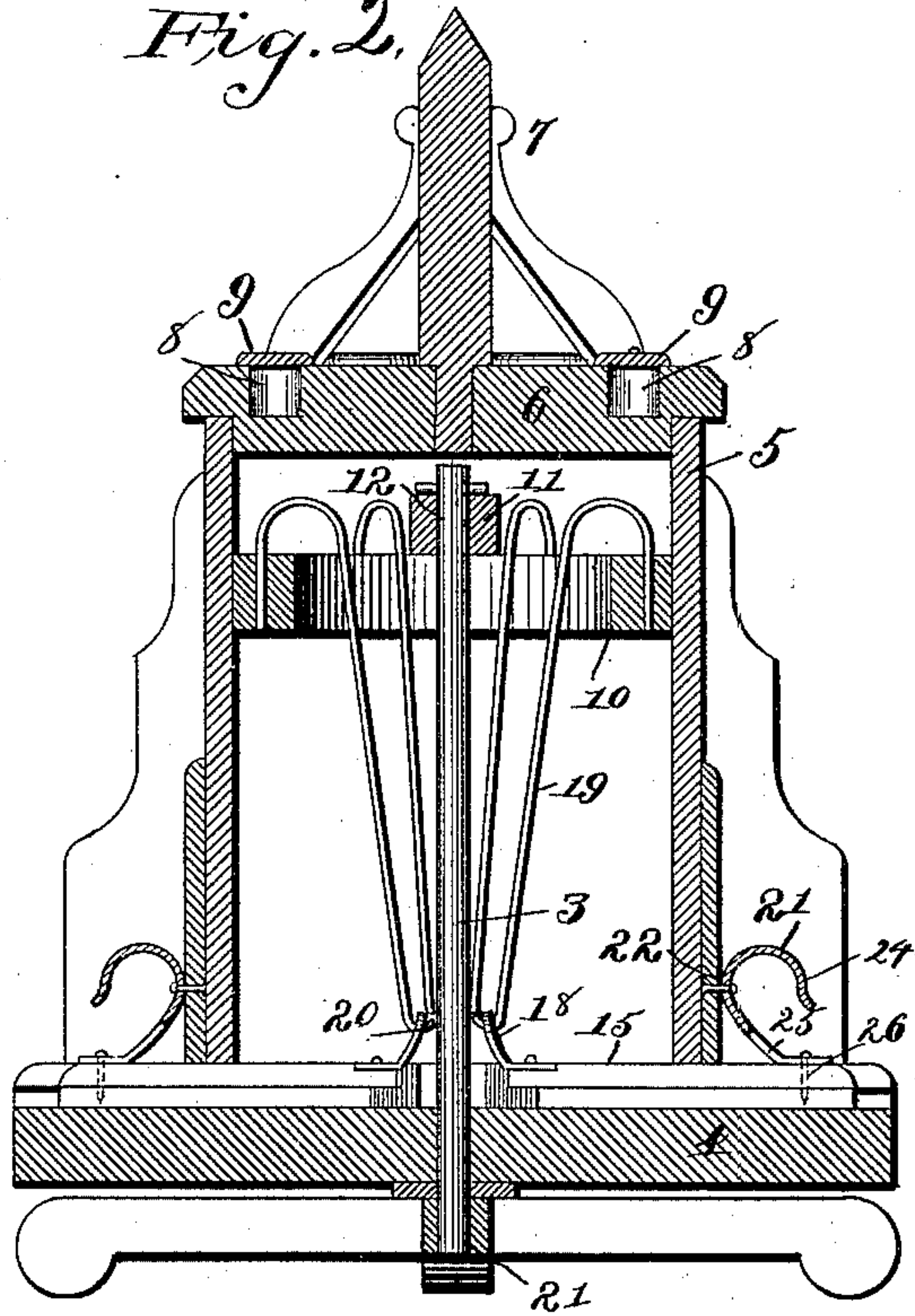
No. 409,236.

Patented Aug. 20, 1889.

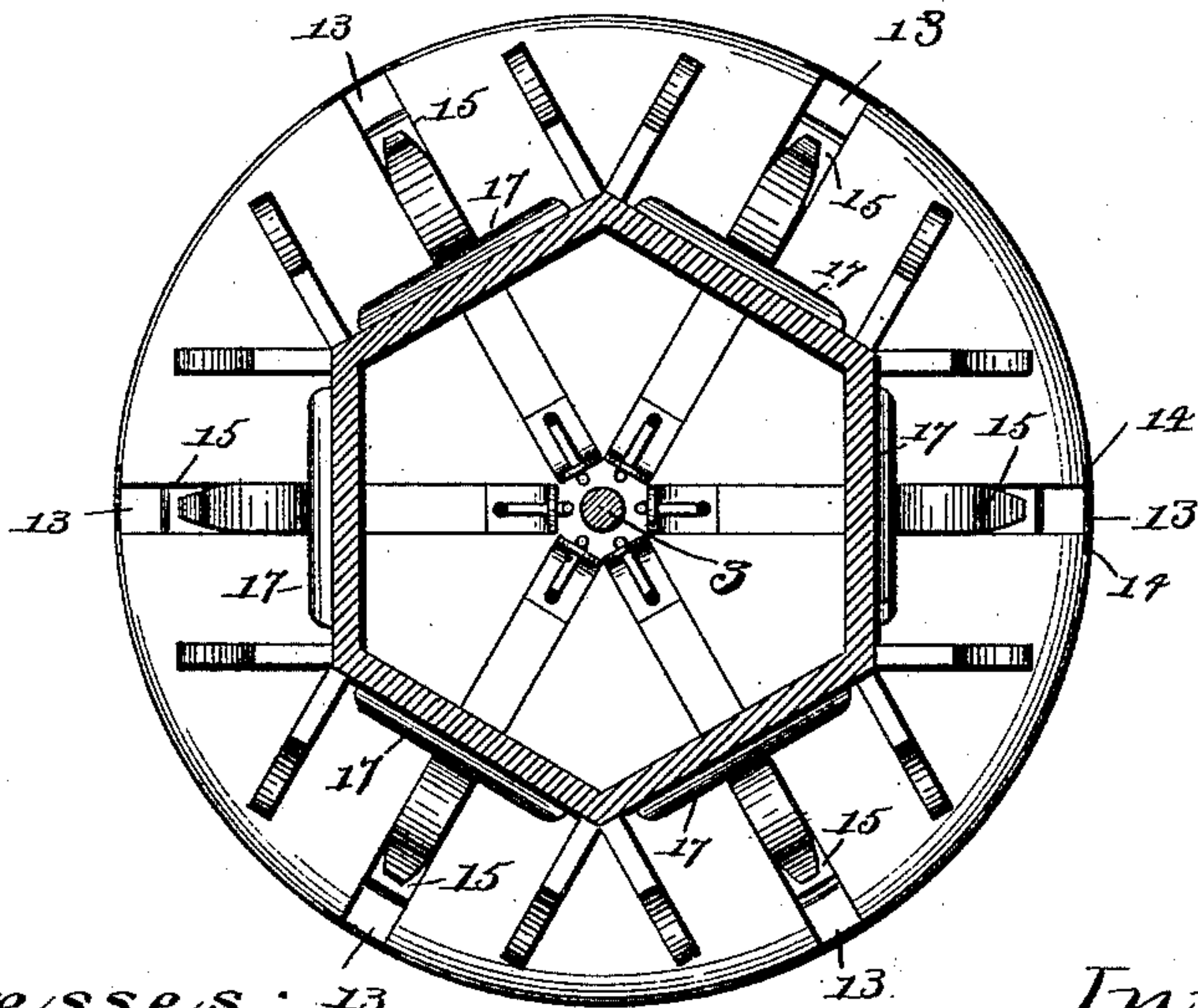
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:  
E. C. Douglass  
J. A. Deeks

Inventor:  
R. S. Rich



# UNITED STATES PATENT OFFICE.

ROBERT S. RICH, OF KAUFMAN, TEXAS.

## DOCUMENT-FILE.

SPECIFICATION forming part of Letters Patent No. 409,236, dated August 20, 1889.

Application filed January 24, 1889. Serial No. 297,465. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT S. RICH, a citizen of the United States, residing at Kaufman, in the county of Kaufman and State of Texas, have invented certain new and useful Improvements in Document-Files, of which the following is a description.

This invention has relation to document-files, and among the objects in view are to provide a simple, inexpensive self-adjusting file, subdivide the same, and mount it revolvably upon a suitable base, whereby the several subdivisions may be successively brought within access to the operator.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a side elevation of a file constructed in accordance with my invention. Fig. 2 is a central vertical section, and Fig. 3 is a transverse section of Fig. 1.

Like numerals of reference indicate like parts.

1 represents an ordinary flared base, in this instance comprising two cross-bars terminating in feet and perforated at their intersection, as at 2, for the reception of a vertical shaft 3.

4 represents a bottom disk mounted concentrically upon the shaft 3 and adapted to revolve freely, from which rises a hollow polygonal, or, in this instance, a hexagonal faced cylinder 5, upon the top of which is fitted a cover or top 6, having a suitable ornamentation, as 7. For the purpose of adapting the cover for retaining stamps, pens, pins, and other small loose articles, I form in the top a series of two or more pockets 8, having removable covers 9.

Secured to the interior of the cylinder 5 is an annular ring or frame 10, over which extends a cross-bar 11, having a central perforation 12 to receive and form an upper support for the shaft 3.

Radiating from the center of the disk 4 and agreeing in number and location with the polygonal faces of the cylinder is a series of recesses 13, provided with undercut opposite edges or shoulders 14, and mounted for longi-

tudinal movement in the recesses are sliding blocks 15, having opposite shoulders 16, adapted to take under the undercut shoulders 14 of the recesses.

Upon each of the blocks 15 is mounted a clamp-board 17, the face of which is parallel with the polygonal faces of the cylinder, against which the clamp-boards are adapted to be normally held. At the inner end of each of the sliding blocks is secured an upwardly-projecting perforated lip 18, and from the ring-bracket 10 there projects downwardly a series of spring-wire rods 19, the lower ends of which are bent to form eyes 20, adapted to engage with the perforations in the tongue 18. By reason of the construction described it will be seen that the clamp-boards are spring-pressed inwardly and against the faces of the cylinder, and that the device as constructed is adapted for holding documents inserted between the clamp-boards and the faces of the cylinder.

21 represents a flat hook-shaped spring, the lower end of which is slotted longitudinally, as at 25, for a portion of its length and through the same, and into the block 15, upon which it is mounted, passes a pin 26. Intermediate this point and its upper terminal, which is bent to form a pull 24, the spring is connected by a pin 22 to the outer face of the clamp-board 17, and thus serves to support the clamp-board in a pivotal or hinged manner, so that the same may be swung outwardly, permitting an inspection of the documents without wholly withdrawing them.

For the purpose of suitably bracing the cylinder upon the disk 4, I provide the disk with divergent upwardly-projecting brackets 23, the vertical edges of which bear against the angles formed by the adjacent faces of the cylinder. I do not limit my invention to the exact form of spring-connection herein shown, nor to other details, but hold that I may vary the same in these matters, if desired.

Having described my invention, what I claim is—

1. In a file, the combination, with a lower disk or base having a series of radiating ways each provided with a sliding block and clamp-board, of a polygonal cylinder mounted on the disk and having its faces parallel with the



clamp-boards, and of springs for drawing the boards against the faces of the cylinder, substantially as described.

2. In a file, the combination, with a lower disk or base provided with a series of radiating grooves, of a centrally-arranged polygonal-faced cylinder having springs, and of a series of sliding blocks mounted for movement in the grooves and connected each to one of the springs, and each provided with a clamping-board adapted for closing against the adjacent faces of the cylinder, substantially as specified.

3. In a file, the combination, with a base or disk having a series of radiating grooves provided with sliding blocks, and with a cylinder mounted on the disk, of a clamping-board extending vertically from each of the blocks, and a flat spring serving as a pull connected to the block and to the board, substantially as specified.

4. The combination, with the disk 4, having the grooves 13 and blocks 15, and the cylinder, of the clamping-boards 17, terminating in the pulls 24, secured to the clamp-boards, as at 22,

and slotted at their lower ends, as at 25, and loosely secured to the blocks by pins 26, substantially as specified.

5. The disk 4, in combination with the polygonal-faced cylinder 5 and the radial braces 23, arranged to embrace each of the angles of the cylinder, substantially as specified.

6. The disk 4, having the recesses 13, shouldered, as at 14, in combination with the cylinder 5, having the internal rings 10, carrying the depending series of springs 19, terminating in hooks 20, and with the sliding blocks 15, shouldered, as at 16, to ride in the recesses 13, and provided with tongues 18, connected with the hooks 20 and the clamp-boards 17, and the spring-draw 21, slotted, as at 25, and connected to the block by pins 26 and to the board by pin 22, and terminating in the curved pull 24, substantially as specified.

ROBERT S. RICH.

Attest:

GEORGE ROBERT WILLIAMS,  
WALTON HENRY SLACK.