

No. 695,814.

Patented Mar. 18, 1902.

T. A. KING.
BOOK FILE.

(Application filed Mar. 30, 1901.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

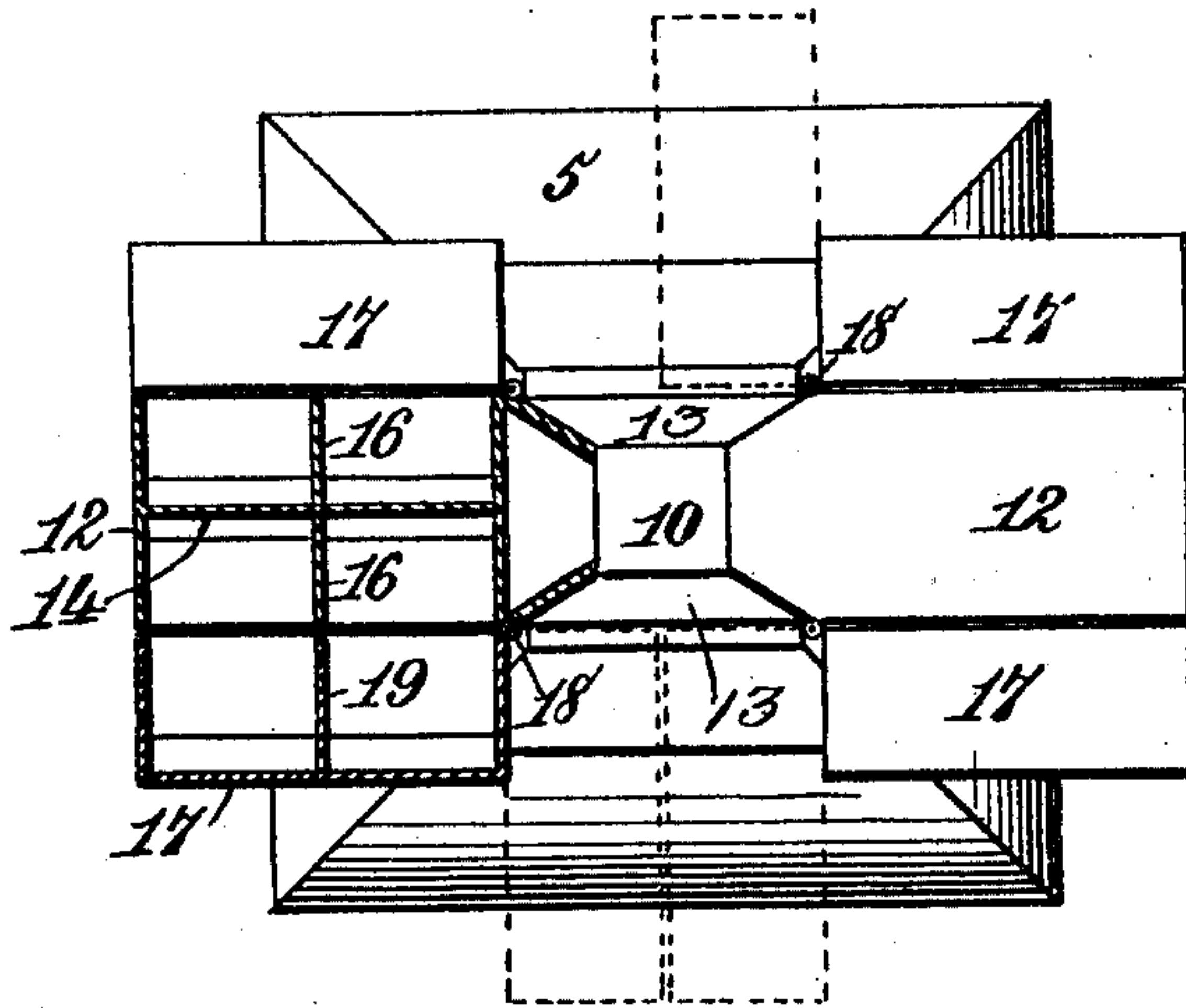
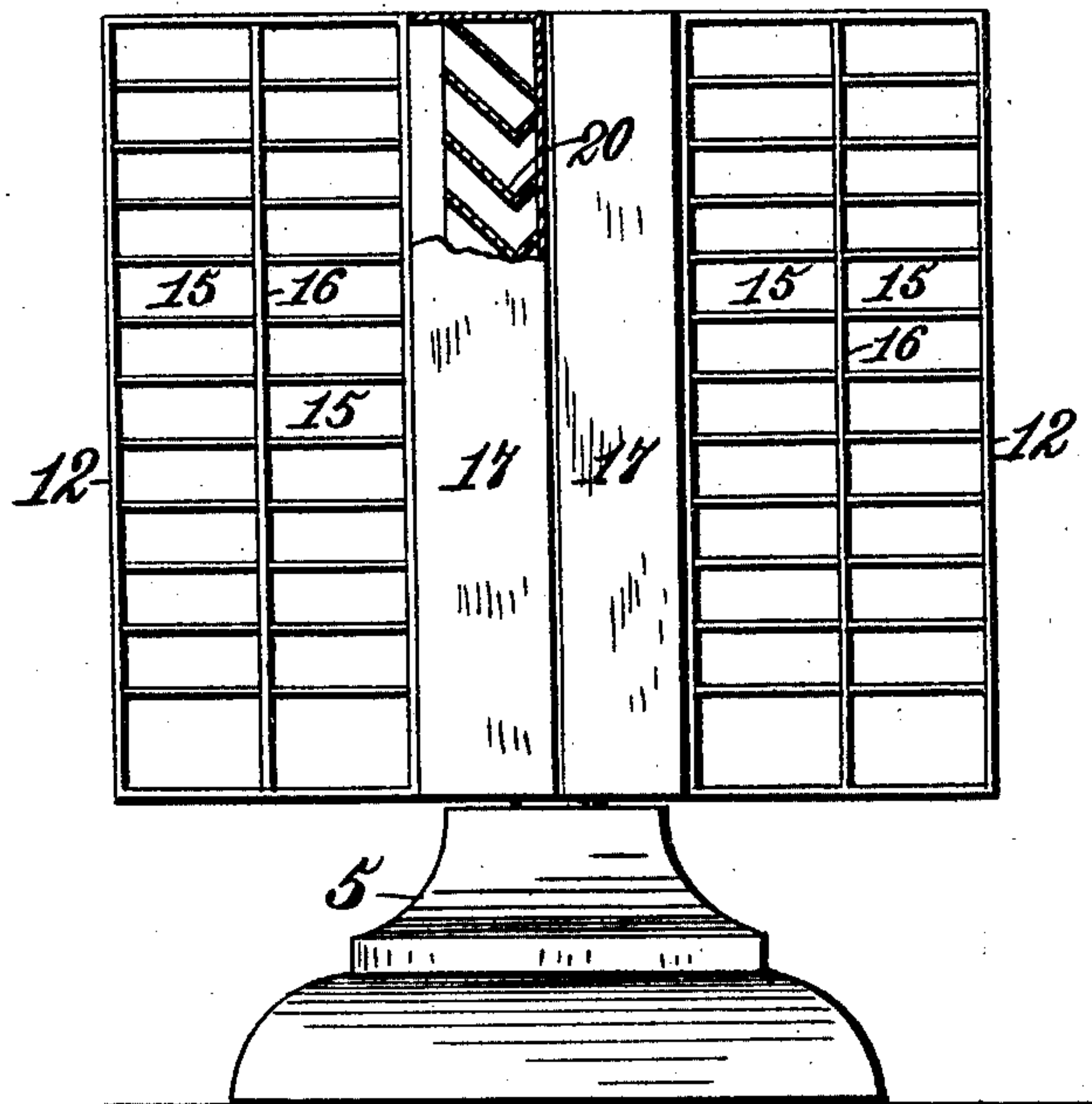


Fig. 2.



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2 Sheets—Sheet 2.

Fig. 3.

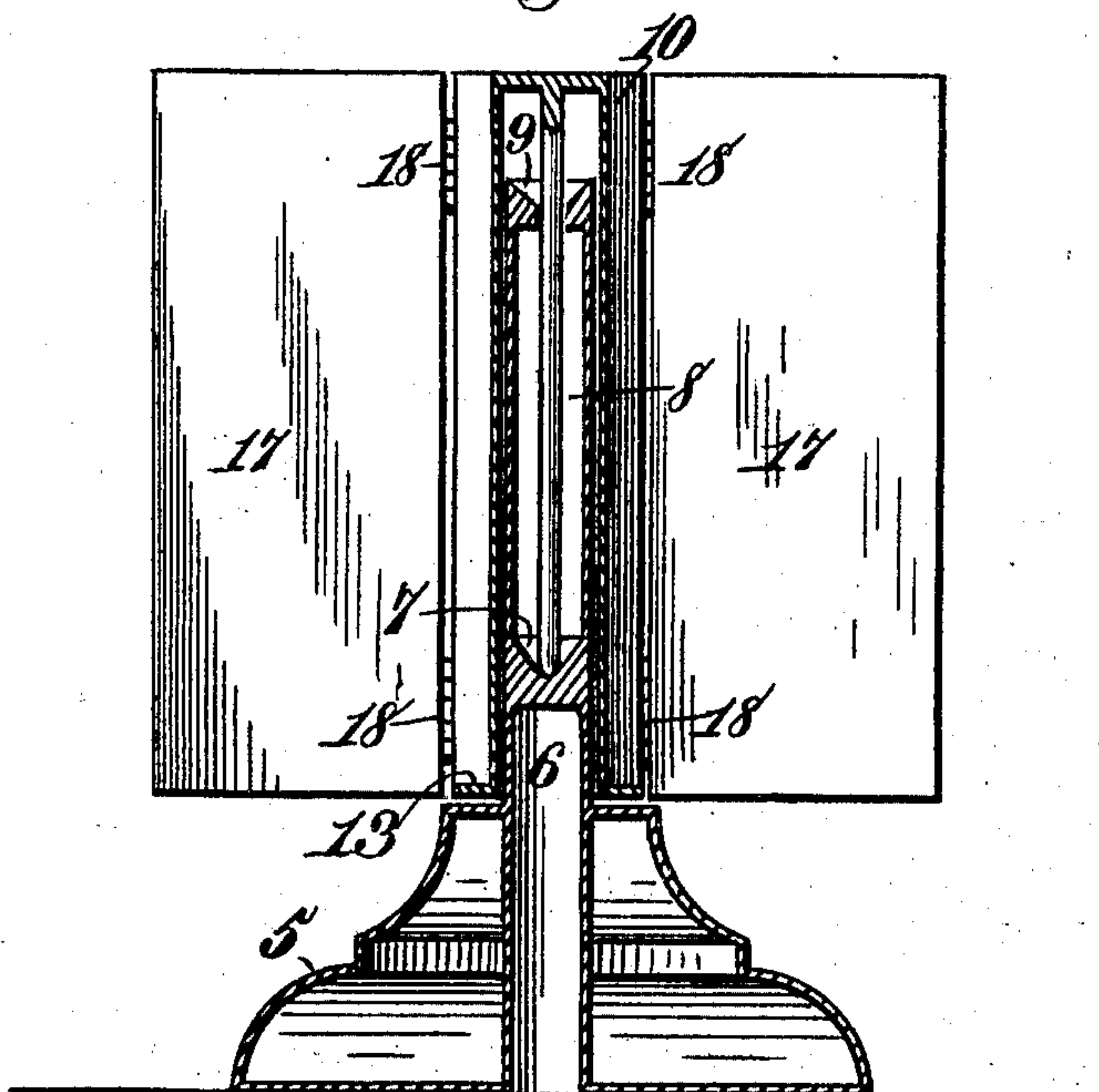
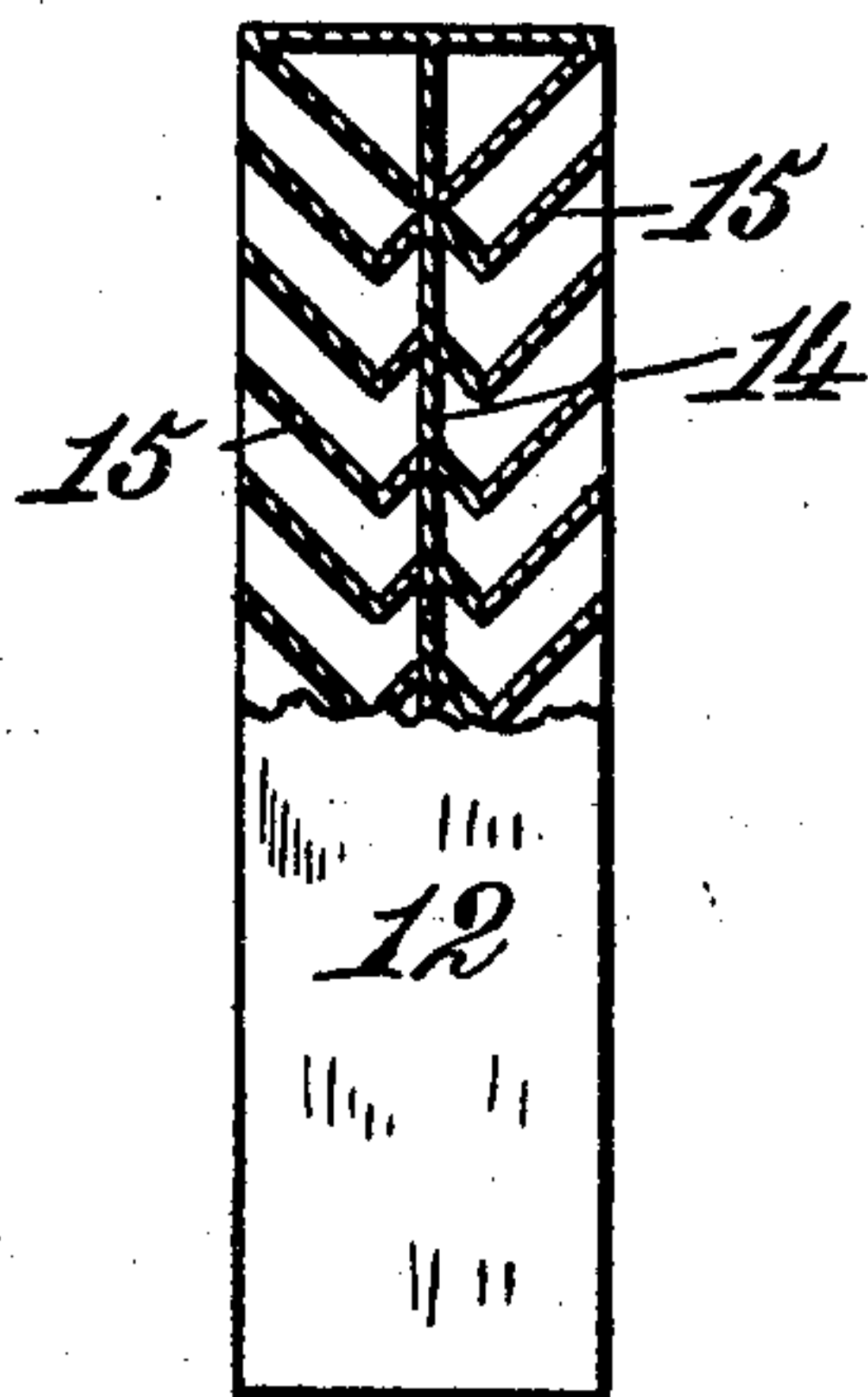


Fig. 4.



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UNITED STATES PATENT OFFICE.

THOMAS A. KING, OF SIOUX CITY, IOWA.

BOOK-FILE.

SPECIFICATION forming part of Letters Patent No. 695,814, dated March 18, 1902.

Application filed March 30, 1901. Serial No. 53,696. (No model.)

To all whom it may concern:

Be it known that I, THOMAS A. KING, a citizen of the United States, residing at Sioux City, in the county of Woodbury and State of Iowa, have invented new and useful Improvements in Book-Files, of which the following is a specification.

This invention relates to what I shall for convenience term a "book-file," though it will be evident from the following description that it may be employed with equal advantage for containing other articles, such as official records, papers, music, and other things which a file is capable of containing; and the improved device is simple in construction and when closed effectually prevents the entrance of dust and the like to the books inclosed therein.

The improved file includes as one of its features a rotary upright or post, two main sections rigidly connected at their inner ends to said upright or bearing, and a plurality of auxiliary sections hinged at their inner ends to the inner ends of the main sections. In the present case each main section carries two auxiliary sections open on the side next the main sections, but closed on the other side, and the main sections are open on both sides, so as to provide access to books. When the auxiliary sections are closed against the main sections, they serve to positively prevent the entrance of dirt to the contents of the file.

The invention includes other advantageous features, which, with the foregoing, will be set forth at length in the following description, and the novelty will form the basis of the appended claim.

The invention is clearly represented in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a plan view of the file, showing the auxiliary sections thereof as closed and with one of the main sections in horizontal section. Fig. 2 is a side elevation, partly in section, of the same with the auxiliary sections open. Fig. 3 is a central section through the upright and inclosed parts, and Fig. 4 is a sectional elevation of one of the main sections.

Like characters refer to like parts in all the figures of the drawings.

The improved file hereinafter described

may be made from any suitable material and may be made in different sizes, and in the form thereof represented it includes a base, as 5, which may be hollow and from the upper side of which the post or column 6 centrally rises, said post being shown as tubular, and said parts constitute a suitable and light framing for carrying the movable members of the file. The tubular post 6 incloses near its lower end the substantially cup-shaped bearing 7, which receives the spindle or pivot 8, said spindle passing through a central hole or aperture in the inverted substantially cone-shaped guide 9, fitting into the upper end of the tubular post 6. The spindle 8 is located centrally within the tubular upright or bearing 10, by which the several book-carrying sections of the file are supported, though it will be evident from the following description that all the said sections are not directly mounted on this upright or bearing. The spindle 8 depends from and is secured to the upper closed side of the tubular upright or bearing 10 and, as previously indicated, is sustained by the bearing 7, whereby the upright 10 may turn, the tubular parts 6 and 10 being separated a distance as to permit the free rotation of the part 10.

The book-holding portion of the file involves in the present case two duplicate main sections, as 12, rigidly united at their inner ends to the tubular upright 10 and projecting oppositely therefrom, and these parts may be connected together in any suitable manner, they being united at their lower ends by strengthening-webs, as 13. Said main sections are vertically divided by walls, as 14, forming two compartments, which in turn are subdivided into a multiplicity of smaller compartments by the inclined shelves 15; connected at their outer ends to the outer and inner ends of the sections 12 and at their inner ends to partitions, as 16, set at right angles to the main walls 14 and extending vertically of the sections 12 between their outer and inner walls. The inclined shelves receive the books on their sides and being at any angle prevent the books from being thrown out when the rotary portion of the file is rapidly turned. The main sections therefore are of substantially box-like form, open on both sides, and each of them is shown

as carrying a pair of auxiliary sections, as 17. Said auxiliary sections 17 are hinged at their inner corners, as at 18, to the main sections 12, and are adapted when closed to fit
 5 edgewise against the latter, so as to form a thoroughly-closed receptacle, and they consist of box-like members open on their sides next the main sections, but closed on their opposite sides. These auxiliary sections 17
 10 are divided first by the vertical partitions 19 midway between their outer and inner walls and then into a plurality of small book-receiving compartments by the inclined shelves 20, like those previously described.

15 In Fig. 1 the file is shown as closed, the auxiliary sections 17 in this case fitting edgewise against the main sections 12. The open sides, therefore, of the parts 17 are next the parts 12; but the closed sides of the parts 17 are pre-
 20 sented outward, so as to effectually preclude the admission of any dust to the interior of the several sections.

The upright 10 may be easily turned, so as to bring any portion of the file opposite the
 25 user, and any one or more of the sections 17 may be readily swung out to reach the books contained therein, or all the sections 17 may be opened out, so as to expose all the books, in which event the flat outer sides of the
 30 same would fit back to back. When one of the auxiliary sections 17 is opened, it is adapted to abut against a web 13, which thereby prevents its being swung out too far.

35 The improved device is exceedingly simple and easy of operation, strong, yet light and thoroughly stable, and when closed the books are thoroughly protected, and, besides this, the tubular members 6 and 10, surrounding

the pivot 8, prevent dirt reaching the bearing of the same. 40

The invention is not limited to the precise construction previously described, for many changes may be made within the scope of the appended claim.

Having described the invention, I claim— 45

In a file of the class described, a support, central portion on said support having a pair of main book-carrying sections extending oppositely therefrom and each open upon opposite sides and of box-like form, the opposite faces of the said central portion being depressed, a pair of auxiliary book-carrying sections hinged at their inner ends to the opposite sides of each main book-carrying section and of box-like form, said auxiliary book-carrying sections being open upon their inner sides and being arranged to fit edgewise against the opposite edges of the main book-carrying sections and being open upon their inner sides and closed upon their opposite
 50 sides, webs connecting the main book-carrying sections and against which the auxiliary book-carrying sections are adapted to abut when swung open, said webs extending outward from the faces of the said central depressed portion and a base or standard provided with means for rotatively sustaining said support. 55 60 65

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses. 70

THOMAS A. KING.

Witnesses:

PAUL H. SCHNETZ,
 LAWRENCE W. RICHTER.