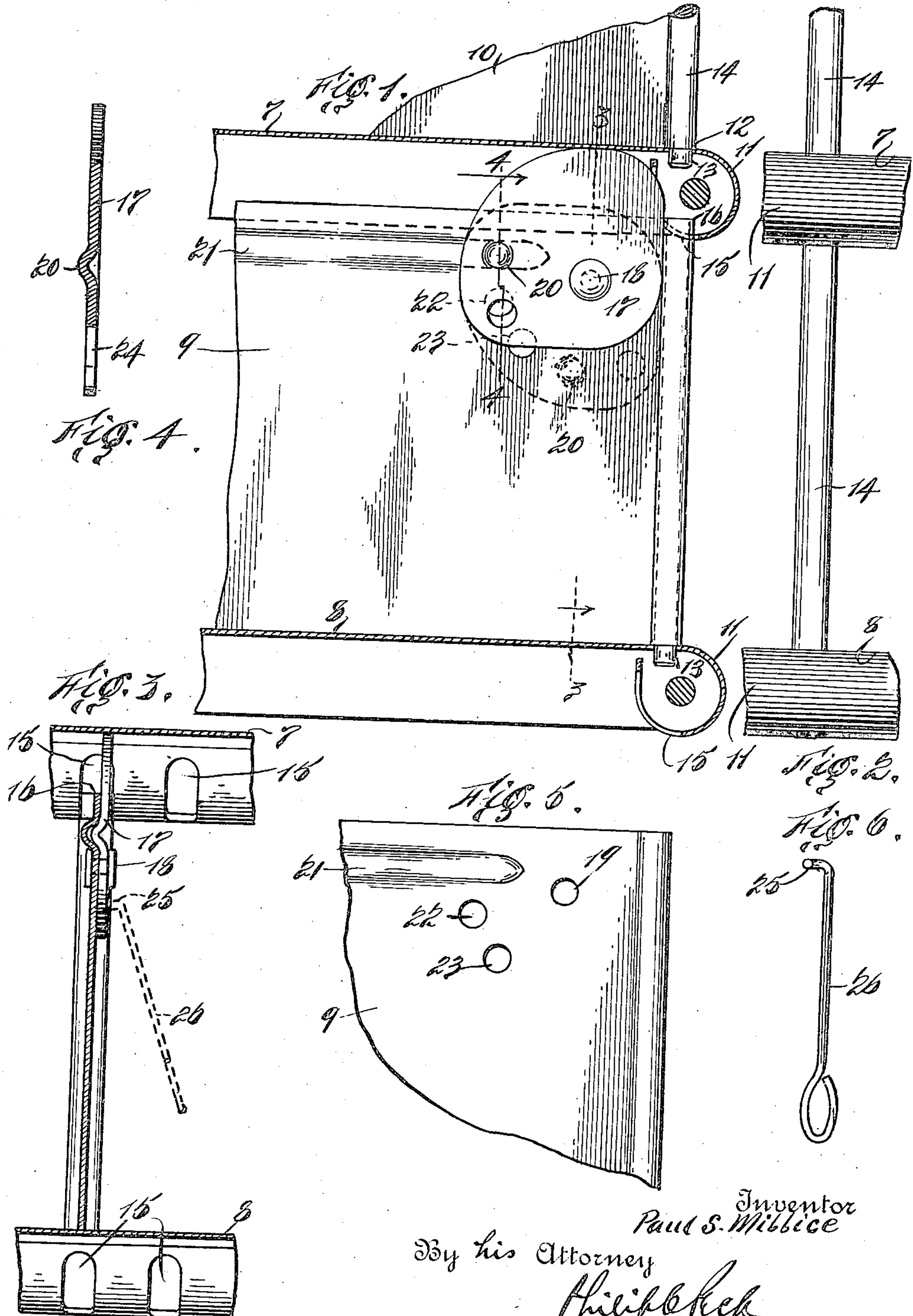


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P. S. MILLICE.
FILE CONTAINER.
FILED AUG. 17, 1920.

1,440,883



Inventor
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UNITED STATES PATENT OFFICE.

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FILE CONTAINER.

Application filed August 17, 1920. Serial No. 404,250.

To all whom it may concern:

Be it known that I, PAUL S. MILLICE, a citizen of the United States, and a resident of the city of Hamilton, in the county of Butler and State of Ohio, have invented certain new and useful Improvements in File Containers, of which the following is a specification, reference being made to the accompanying drawings, forming a part thereof.

My invention relates more particularly to that type of file-containers having the usual adjustable interiors, for example, as shown in my U. S. Letters Patent No. 1,207,066, dated December 5, 1916, in which there is embodied a series of removable and adjustable shelves and partitions of various sizes and shapes within the outer casing of the file-container. As such shelves have no support except at their ends, they are likely to bend or sag when the loaded drawer is partially withdrawn, thereby causing the partition members to loosen, or disengage, themselves entirely from the coacting apertures formed in the upper shelf and subsequently fall out if the file-container is placed in any other position except an upright position. Such sagging also causes the coacting parts of the shelves and partitions to bind.

The objects of my invention are, among other things, to provide a simple and effective attachment to be secured to the partition members within such form of file-containers whereby the several partition members are not only locked in position, but also serve as a positive support to the shelf above wherever the partition may be placed; further to provide an improved device which securely locks all the adjustable parts within the file-container into a firm and rigid structure, yet such parts may be readily released and adjusted when it is desired to readjust the shelves and partitions within the file-container.

With the above, and other, objects in view, my improved file-container comprises the construction and arrangement of parts which will more fully and definitely appear in this specification, and be hereinafter set forth in the appended claims.

In the drawings, Figure 1 is a sectional fragmentary view of a partition and shelves

as equipped in my file-container and showing the supporting cam-plate;

Figure 2 is an end view looking from the right in Figure 1;

Figure 3 is a sectional elevation taken on the line 3—3 of Figure 1, the supporting cam-plate being illustrated in elevation;

Figure 4 is a sectional detail view of the cam-plate, the section being taken on the line 4—4 of Figure 1;

Figure 5 is a fragmentary detail view of a vertical partition; and

Figure 6 is a perspective detail view of the hook to operate the cam-plate.

Similar numerals refer to similar parts throughout the several figures.

Referring to the drawings, the interior of the file-container comprises a plurality of adjustable shelves and partitions, preferably formed of sheet metal, the separate shelves and partitions having the same general form and construction respectively. In Figure 1, the upper shelf, 7, encloses between it and the lower shelf, 8, the vertical partition, 9; the upper partition, 10, is shown in fragmentary elevation resting on the upper shelf, 7. The shelf is preferably formed with a curved flange, 11, bent over the front edge, as shown in Figure 1. The top of the shelf at the base of the flange, 11, has a transverse series of apertures, or holes, 12, within which the lower ends, 13, of the vertical posts, 14, arranged along the front edges of the partitions, rest to support the partitions in vertical position. The lower ends of the flanges, 11, have a series of transverse slots, 15, as shown in Figures 1 and 3, within which the upper front ends, 16, of the partition posts 14 are inserted to maintain the partition members in upright position. The height of the partitions, 9, and 10, are somewhat less than the vertical distance between the shelves 7 and 8, as shown in Figure 1, to enable same to be detached and adjusted relatively to one another.

The cam-plate, 17, is pivotally secured to the partition, 9, by the rivet, 18, passing through the hole, 19, at the upper edge of the partition, 9, such cam-plate, 17, being adapted to oscillate, or swing, in a vertical plane on the rivet 18 along either side of the partition 9. The cam-plate 17 is so

shaped that when raised as shown in full lines in Figures 1 and 3, the upper periphery, or high part, of the cam-plate will bear against the under side of the upper shelf, 7.

5 The dotted line position in Figure 1 shows the cam-plate, 17, in its lower and inoperative position, and out of contact with the upper shelf 7. To lock the cam-plate, 17, in its upper vertical position whereby the

10 subjacent partition will support the overhead shelf, the projecting lug, 20, is preferably integrally formed therein as more particularly shown in Figures 3 and 4, which lug 20 is adapted to engage with the

15 horizontal corrugated groove, 21, formed along the upper margin of the partition 9, as shown in Figure 3. When the lug 20 engages with the groove 21, the cam-plate 17 is held and locked against the under side of

20 the shelf 7, and supports same against bending or sagging when a loaded drawer is withdrawn thereon. Should it prove desirable, or advantageous, at any time to lock the cam-plate 17 at intermediate stages between the dotted and full line positions

25 shown in Figure 1, I have provided the holes 22 and 23 in the partition 9 so arranged that they may be engaged by the lug 20 in its upward movement to lock the cam-plate 17 in an intermediate stage, which will support the immediate shelf against which the cam-plate bears.

To raise and lower the cam-plate 17, I have provided a suitable hole 24 punched

35 therein, which may be engaged by the point 25 of the hook 26, as shown in Figure 3 to actuate the cam-plate 17 in either direction. One or a plurality of these locking attachments may be placed on each partition member to suit the requirements.

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By my invention the different shelves within the file-container are supported by the subjacent partition members and both adjustable shelves and partitions are locked

45 into a rigid structure which effectively pre-

vents the detachable interiors from being disengaged when the file-container is moved out of its normal vertical position.

I claim as my invention:

1. In a file-container having coacting shelves and partitions adjustable within the container, of means movably mounted on a partition to swing upwardly to bear on any of said shelves to support the latter against sagging.

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2. In a file-container having coacting shelves and partitions, of means movably mounted on a partition to bear upwardly on any of said shelves to support the latter against sagging, and means to lock said supporting means in any predetermined position.

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3. In a file-container having coacting shelves and partitions adjustable within the container, of an oscillating cam-plate carried by a partition to swing upwardly to bear on the under side of any of said shelves to support the latter against sagging, and means to lock said cam-plate in any predetermined vertical position against said shelf.

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4. In a file-container having coacting shelves and partitions, of an oscillating cam-plate carried by a partition to swing upwardly to bear on the under side of any of said shelves to support the latter against sagging.

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5. In a file-container having coacting shelves and partitions, of means pivoted on a partition to move upwardly in a substantially vertical plane against any of said shelves to support the latter against sagging.

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6. In a file-container having coacting shelves and partitions, of means pivoted on a partition to move upwardly in a substantially vertical plane against any of said shelves to support the latter against sagging, and means to lock said supporting means in any predetermined position.

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