

No. 833,887.

PATENTED OCT. 23, 1906.

J. MACCALLUM.
BOOK SUPPORT.

APPLICATION FILED NOV. 14, 1905.

FIG. 1.

2

FIG. 2.

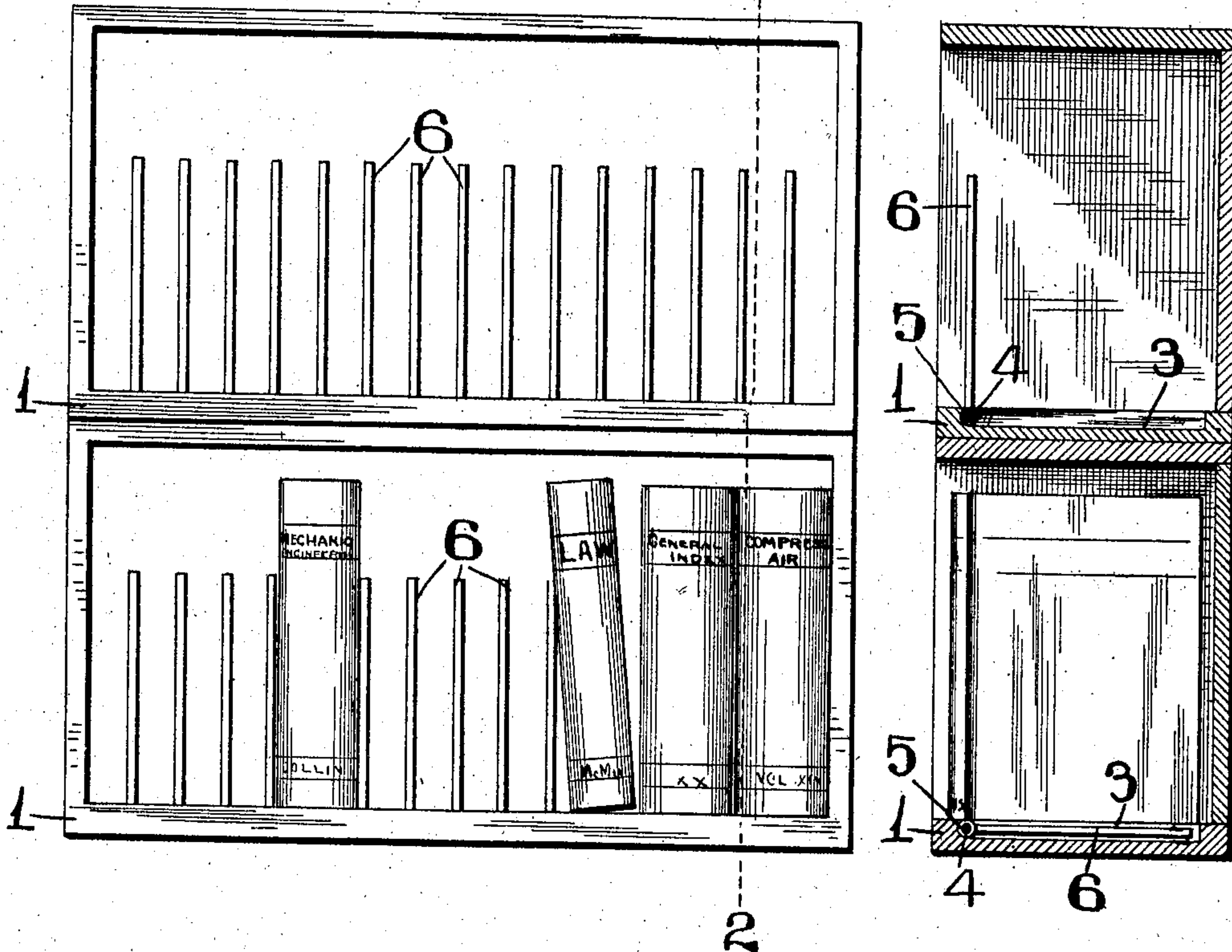
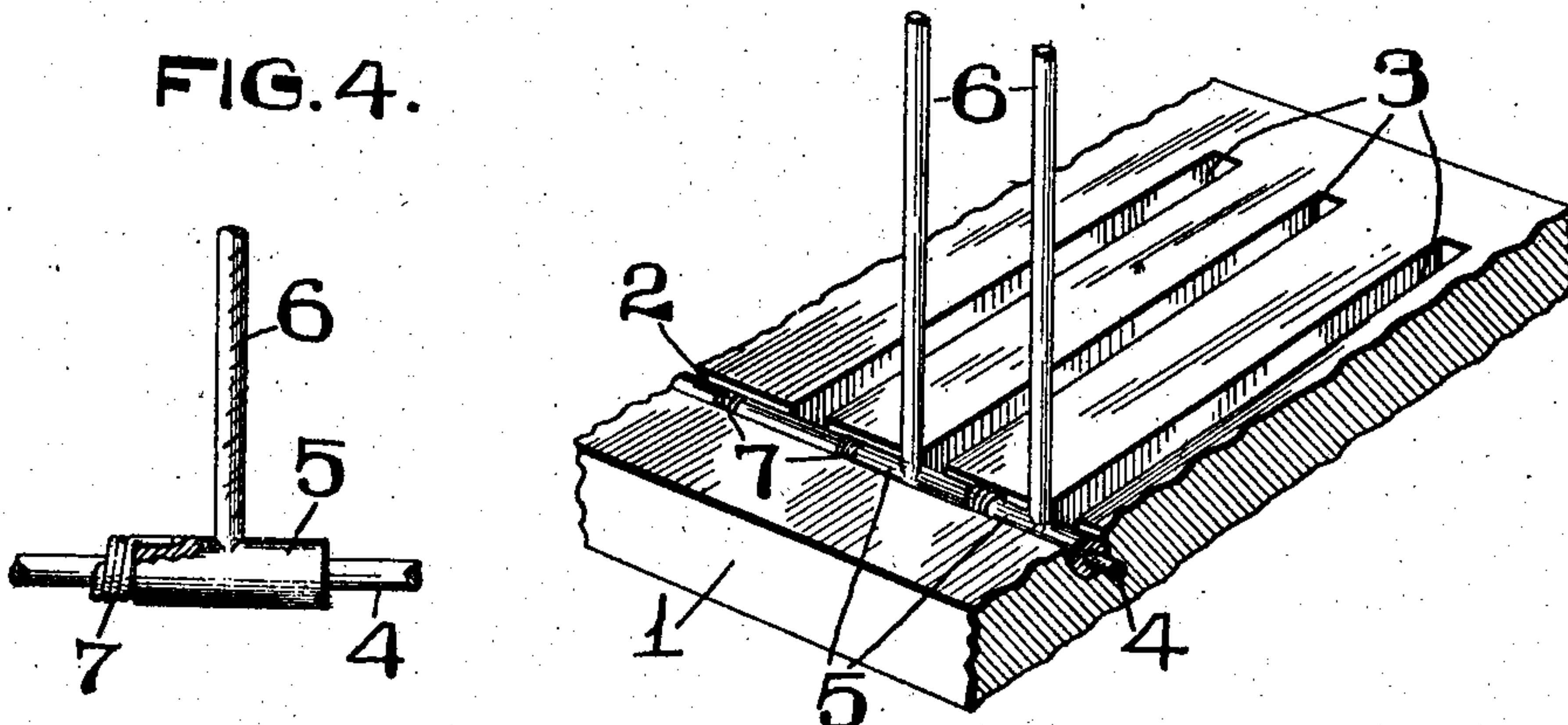


FIG. 3.

FIG. 4.



ATTEST.

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JAMES MACCALLUM, OF ST. LOUIS, MISSOURI.

BOOK-SUPPORT.

No. 833,887.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES MACCALLUM, a citizen of the United States, and a resident of St. Louis, Missouri, have invented certain new and useful Improvements in Book-Supports, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to an improved book-support; and the object of my invention is to provide book cases and shelves with a simple inexpensive attachment which is adapted to maintain the books arranged in the cases or upon the shelves in upright positions.

To the above purposes my invention consists in certain novel features of construction and arrangement of parts, which will be hereinafter more fully set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of a portion of a bookcase, or two compartments thereof, provided with my improved book-support. Fig. 2 is a vertical section taken on the line 2 2 of Fig. 1. Fig. 3 is a perspective view of the bottom of a bookcase and showing my improved attachment in position thereon. Fig. 4 is an enlarged detail view showing the way the supporting-fingers are mounted on their supporting-rod.

Referring by numerals to the accompanying drawings, 1 1 indicate the shelves or bottoms of the bookcases, in the top surfaces of which, near the front edges, are formed the longitudinally-extending grooves 2. Communicating with each groove 2 and extending rearwardly in each shelf or bottom 1 is a series of grooves 3.

4 indicates a wire rod that is positioned in the groove 2, and the ends of said rod are suitably held at the ends of the book case or shelf. Mounted for rotation on this rod is a series of short tubes 5, which completely fill the grooves 2, and fixed to the center of each tube is a book-supporting finger 6 in the form of a short wire rod. Fixed to the rod 4 at one end of each of the tubes 5 is one end of a coil-spring 7, that is loosely wound upon the

rod 4, its opposite end being fixed to the tube 5. The normal tendency of these springs 7 is to maintain the retaining-fingers 6 in vertical positions. The tubes 5 are so arranged on the rods 4 as that when the fingers 6 swing rearwardly and downwardly they will enter the grooves 3, that are formed in the bottoms of the book cases or shelves.

When a book is placed upon a shelf equipped with my improved supports, one or more of said supports will be forced rearwardly and downwardly as the book is placed in position, and the next adjacent supporting-finger will engage the sides of the book to maintain it in a vertical position. As soon as the book is removed from the case or shelf the springs 7 will act to return the supporting-fingers 6 to their normal vertical positions.

A bookcase of my improved construction is simple, inexpensive, easily applied to the shelves of bookcases, and very efficiently maintains the books placed on said shelves in correct upright positions.

I claim—

1. The combination with a bookcase, of a rod horizontally positioned across the front edge of each shelf of the case, tubes arranged for rotation on said rod, coil-springs secured at one end to each tube and at the opposite end to the rod, and book-engaging fingers rigidly fixed to each tube; substantially as specified.

2. The combination with a bookcase-shelf, having a groove formed in its top surface adjacent its front edge and there being grooves formed in said shelf that extend rearwardly from the first-mentioned groove, of a rod arranged in the first-mentioned groove, tubes arranged for rotation on said rod, a book-engaging finger carried by each tube, and coil-springs secured to each tube for normally maintaining the book-engaging fingers in vertical positions; substantially as specified.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

JAMES MACCALLUM.

Witnesses:

M. P. SMITH,
JOHN C. HIGDON.