(No Model.)

W. F. HOLLOWAY.

FOLDING BOOK HOLDER.

No. 441,560. Patented Nov. 25, 1890.

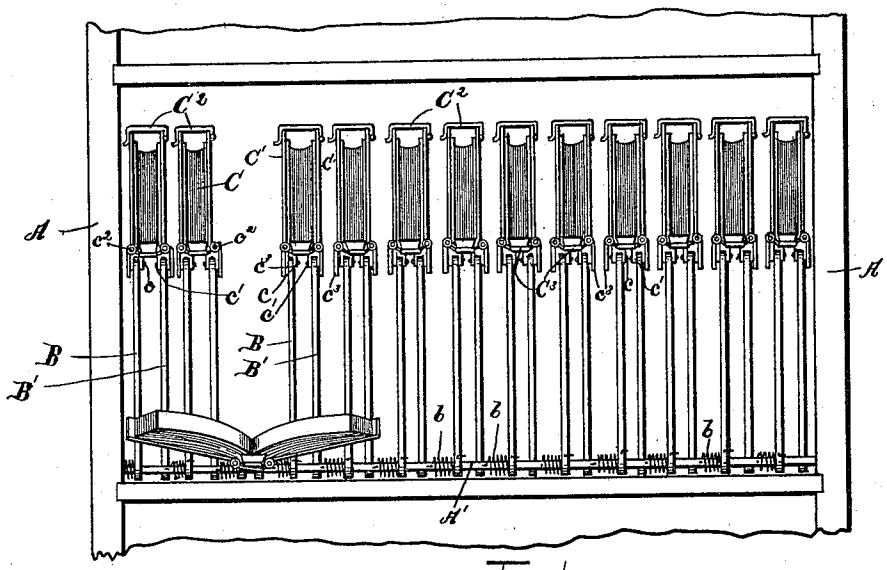


Fig. 1.

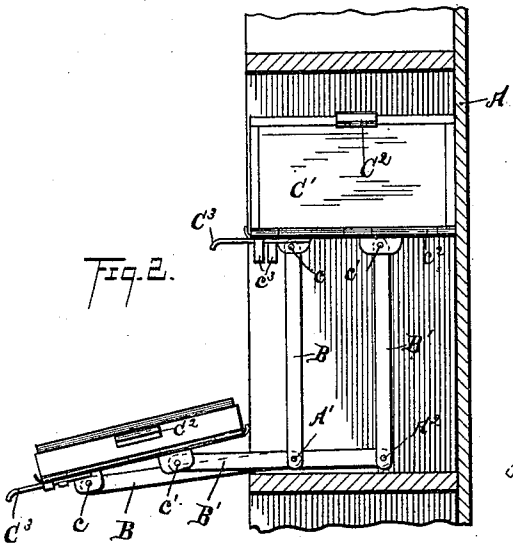


Fig. 2.

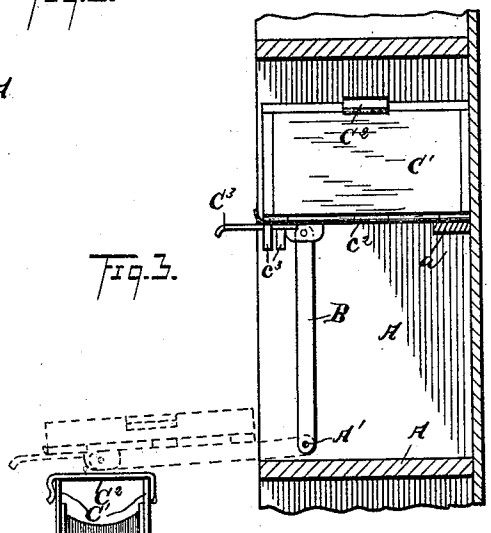


Fig. 3.

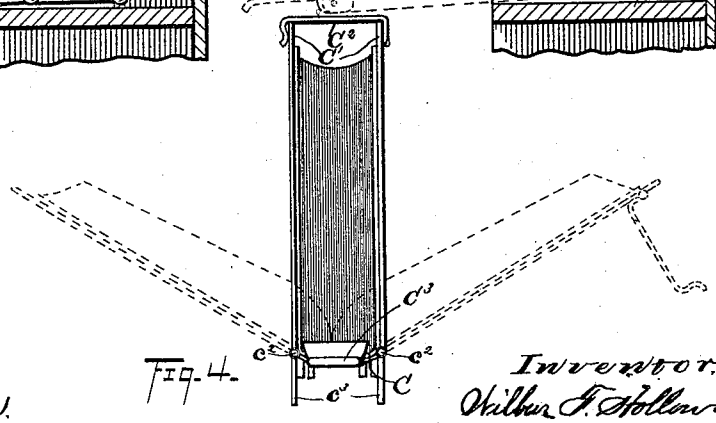


Fig. 4.

Witnesses.
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

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FOLDING BOOK-HOLDER.

SPECIFICATION forming part of Letters Patent No. 441,560, dated November 25, 1890.

Application filed June 14, 1890. Serial No. 355,427. (No model.)

To all whom it may concern:

Be it known that I, WILBUR F. HOLLOWAY, of Cuyahoga Falls, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Folding Book-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to improvements in folding book-holders adapted to support, for instance, heavy books of reference, the arrangement being such that the book, while occupying its position in the holder, may be brought forward of the book-case for reference and afterward returned to its position in the book-case, the book-holder being pivoted to one or more levers that in turn are pivoted to suitable supports connected with the book-case.

Reference may be made in this connection to another application, Serial No. 355,428, concurrently pending, in which the means for supporting the book-holder is broadly claimed.

In the accompanying drawings, Figure 1 is a front elevation. Fig. 2 is an end elevation with the one end wall of the book-case removed. Fig. 3 is an elevation corresponding with Fig. 2, but showing a modification. Fig. 4 is an enlarged end elevation of the book-holder detached.

A represents a book-case, and A′ A^2 are horizontal rods extending lengthwise of the book-case and connecting for support with the end walls of the book-case. Upon rods A′ A^2 are respectively mounted arms B B′, known as "parallel bars," any number thereof being employed, according to the number of book-holders, these bars in turn being pivoted, respectively, at *c c′* to the respective book-holders C. These holders have folding leaves C′ C′, hinged at c^2, these leaves having arms c^3, that when the leaves are distended, as shown in Fig. 4, engage member C and thereby hold the leaves in their distended position for supporting the open book. Leaves C′ are provided with a clasp C^2 or other suitable device for holding the leaves and book closed. The outer or upper end of member C terminates, preferably, in a handle C^3 for convenience in operating the device. Spiral springs *b* are preferably provided for partially supporting the weight of the book and book-holder, rendering the device easier to manipulate, these springs being coiled around and fastened to the respective rods A′ A^2, and the other ends of the springs engaging the respective arms B B′, these springs being strained in turning the arms forward and downward. The operator has only to grasp handle C^3 and draw it forward and downward to bring the book from the book-case in position for use, and a reverse motion of the handle returns the book to the book-case, in which latter position the center of gravity is rearward of rods A′ A^2, and hence the device will maintain its position in the book-case, and in folding or unfolding the device the parallel bars keep the book and book-holder right side up.

A modification is shown in Fig. 3, wherein arm B′ is omitted. In such case the operator has to hold the device from tilting in distending or folding the same. The back wall of the book-case is in such case provided with a small shelf *a*, upon which the inner end of the book-holder rests when the book is returned to the book-case. As arm B is pivoted to the book-holder some distance forward from the center of gravity, the device, when unfolded, will maintain its proper position without other fastening.

What I claim is—

1. The combination, with a book-case and a book-rest, of one or more bars pivotally supported at one end on the case and having pivotal connection at the opposite ends with the book-rest and adapted to carry the book-rest into or out of the book-case.

2. The combination, with a book-case and a book-rest having arms thereon for holding the book open, of one or more bars pivotally connected at one end with the case and having pivotal connection at the opposite end with the book-rest and adapted to carry the book-rest into and out of the book-case, substantially as set forth.

3. The combination, with a book-case and a book-rest, of bar or bars pivotally connected at one end with the book-rest, rocking rod or rods to which the opposite ends of the bar or bars are connected, and springs on the rod or rods for facilitating the movement of the books, substantially as set forth.

In testimony whereof I sign this specification, in the presence of two witnesses, this 27th day of May, 1890.

WILBUR F. HOLLOWAY.

Witnesses:
CHAS. H. DORER,
WARD HOOVER.