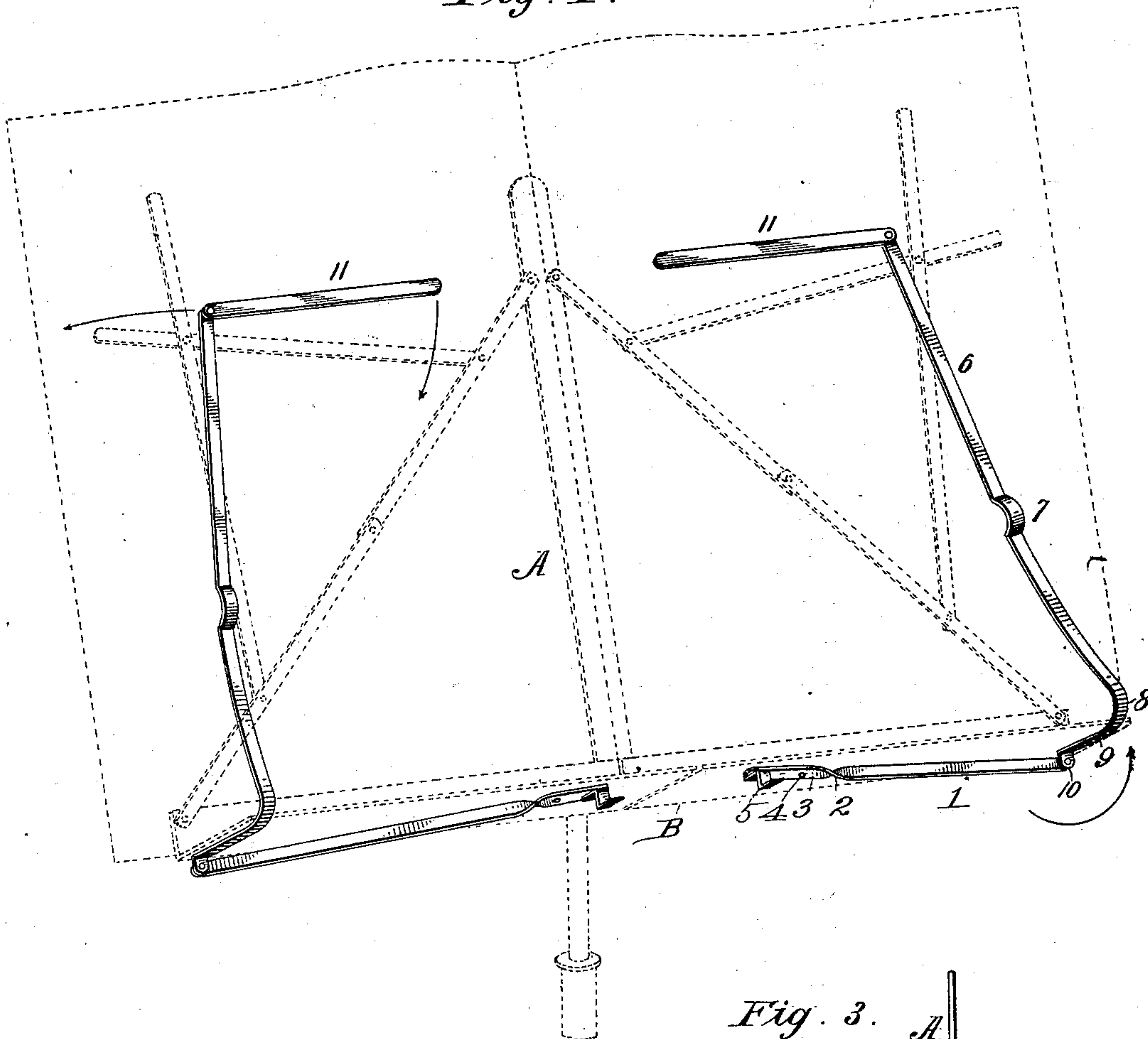
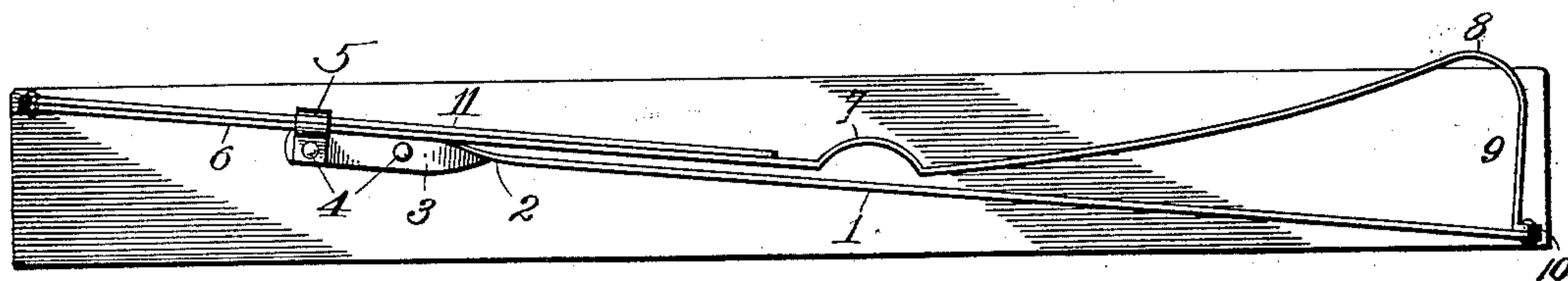
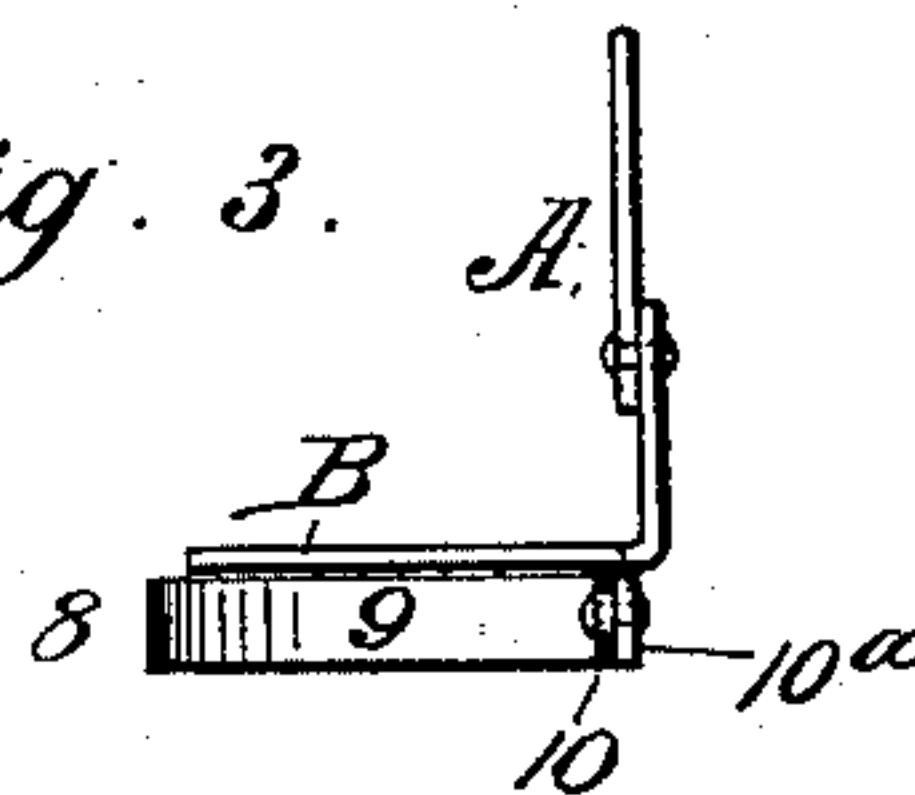


W. A. LUBY.

## ATTACHMENT FOR BOOK OR MUSIC RACKS.

(Application filed Feb. 19, 1900.)

(No Model.)

*Fig. 1.**Fig. 2.**Fig. 3.*

Witnesses:

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# UNITED STATES PATENT OFFICE.

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## ATTACHMENT FOR BOOK OR MUSIC RACKS.

SPECIFICATION forming part of Letters Patent No. 664,419, dated December 25, 1900.

Application filed February 19, 1900. Serial No. 5,797. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM ARTHUR LUBY, a citizen of the United States, residing at Kansas City, Jackson county, Missouri, have  
5 invented a new and useful Attachment for Book or Music Racks, of which the following is a specification.

My invention relates to attachments for book or music racks; and it consists in certain novel features of construction and organization hereinafter described and claimed.

On January 23, 1900, Patent No. 641,784 was granted to me on "Attachments for book-supports," the same consisting, essentially, of  
15 a spring-rod secured to the shelf of the support and projecting beyond one end of the same, and an arm pivoted to the projecting end of said rod and adapted to assume an operative position above or an inoperative position below said shelf; and my present invention contemplates, primarily, a construction whereby the pivoted arm may be positioned operatively or inoperatively, as described, without the necessity of projecting  
25 the spring-arm beyond the end of the shelf, where, as practice has shown, it is somewhat in the way when the rack is folded.

A further object is to provide a construction of neater and more ornamental appearance without sacrificing any of the practical advantages of the patented structure.

Other and secondary objects of the invention hereinafter appear, and in order that it may be fully understood reference is to be had  
3 to the accompanying drawings, in which—

Figure 1 is a perspective view of a book or music rack provided with an attachment embodying my invention. Fig. 2 is an inverted plan view of the same with the attachment  
40 folded to inoperative position. Fig. 3 is a detail view showing the rack in end view and a modified form of the attachment in its inoperative position.

Referring now to the drawings in detail, wherein like reference-numerals designate corresponding parts, A designates a book or music rack of collapsible or folding type, and B the shelf projecting from the lower edge and forming a part of the rack.

50 The attachment, composed of flat spring metal, is constructed as follows:

1 designates a spring-arm twisted near one

end, as at 2, to provide the short arm 3, fitted flatwise against the under side of the shelf B near its inner end and secured rigidly thereto  
55 by rivets 4 or their equivalent, and formed integral with the arm 3 or riveted thereto, as shown, is a depending forwardly-disposed hook 5, for a purpose which hereinafter appears. The opposite end of the spring-arm  
60 terminates at the outer end of the shelf near its rear corner or edge, as shown clearly in Fig. 2.

6 designates the leaf-holding arm of the attachment, said arm being by preference of  
65 greater length than arm 1 and formed about its middle with a loop 7, projecting forwardly. At one side of said loop is provided a loop formed by the arm curving gradually and gracefully outward to a suitable distance and  
70 then bending inward abruptly, as at 8, and terminating in a short arm 9, extending about at right angles to the body of arm 6, said arm 9 terminating in a lug 10, frictionally pivoted or hinged in any suitable manner to the free  
75 or outer end of arm 1, the arrangement being such that the pivotal or hinge operation of the leaf-holding arm will take place in a plane about at right angles to the approximately horizontal shelf, as hereinafter explained. 80

Pivoted to the free end of the leaf-holding arm is a supplemental arm 11, which is adapted to operate pivotally in a parallel plane and to be folded snugly back against the leaf-holding arm, as shown clearly in Fig. 2. 85

By reason of the tendency of the free end of the spring-arm to move rearward and maintain itself when unresisted adjacent to the rear outer corner of the shelf it is obvious that the leaf-holding arm carried by and at  
90 the front side of arm 1 will when occupying its inoperative or folded position extend approximately parallel with arm 1 and be held by the latter upon and against the supporting-hook 5, said hook being designed to hold the  
95 attachment compactly folded when not in use and to relieve the friction-hinge of the weight of said arm at such time, it being obvious that said hinge would work loose in a comparatively short time if under the necessity  
100 of supporting arms 6 and 11 snugly up against the bottom of the shelf unassisted. Spring-arm 1 holds the arm 6 pressed back against the vertical portion of said hook, as herein-



before stated, and therefore utilizes the spring tendency of the leaf-holding arm to move rearward in the maintenance of such position. The supplemental arm 11, frictionally hinged or pivoted to the free end of arm 6 and folded back against the front side thereof, as in Fig. 2, is supported also upon said hook, as shown clearly, and it will be noticed that the loop formed at the hinged end of the leaf-holding arm is of sufficient width, measured between its portion 8 and the arm 1, to project slightly beyond the front edge of the shelf, when the spring-arm occupies the position shown clearly in Fig. 2, to enable the operator by grasping the opposite end of the leaf-holding arm and springing it out slightly to disengage it from the hook 5 to swing it in the direction indicated by the arrow, Fig. 1, from its position below the shelf to approximately the position shown in said figure, the forward corner of the shelf passing through the loop in this operation, as will be readily understood. After the arm 6 is thus operatively positioned with the shelf projecting into the loop at the lower end of the arm the supplemental arm 11 is swung inward to a substantially horizontal position if it be desired to use the same. Said arm is not indispensable; but the leaves can be held with greater satisfaction and convenience when it is used.

By reason of the spring tendency of arm 1 to move rearward it is obvious that this device is equally serviceable in holding open upon the rack a book or sheet of music.

When it is desired to turn the leaves of the book, it can be most easily accomplished by placing the thumb or finger against loop 7 and swinging arms 6 and 11 out beyond the edge of the book, and preliminary to the folding of the rack arm 11 is swung down upon arm 6 and the latter in a direction opposite to the arrow, Fig. 1, until it is disposed below the shelf and upon the hook 5, depending from the riveted end of spring-arm 1. In such position it is obvious that it practically adds nothing to the bulk of the rack and projects beyond the latter only at a single point—viz., at the point 8, where such projection is unimportant.

Although the preferred embodiment of my invention includes the spring-arm 1, it is obvious that said arm may be dispensed with and the spring-arm 6 be pivoted to a lug depending from the shelf, as indicated in Fig. 3, where it will be seen that the end of arm 9 is pivoted or hinged to the lug 10<sup>a</sup>, depending from the shelf.

From the above description it will be apparent that I have produced a simple, cheap, efficient, and ornamental attachment for book or music racks, which is easy of adjustment to permit or prevent turning of the leaves, possessing all of the advantageous features of the patented device and in addition thereto the desirable features of lying

wholly within the ends of the rack when folded and of preventing arms 6 and 11 from swinging down in the way when the rack is being moved from one position to another.

Having thus described the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of a book or music rack having a shelf, of an attachment, comprising an arm secured to the under side of the shelf and extending longitudinally thereof at all times and of resilient construction so that it shall be capable of movement at its outer end in a plane about parallel with and transversely of the under side of the shelf, and a second arm pivoted at its lower end below the shelf to the first-named arm and capable of swinging to an operative position above and an inoperative position below the shelf, and provided with a loop near its pivoted end, substantially as and for the purpose set forth.

2. The combination of a book or music rack having a shelf, a spring-arm secured to the rack at the under side of the shelf, and provided at its anchored end with a forwardly-disposed hook, and an arm pivoted to said spring-arm and adapted to occupy an operative position above or an inoperative position below the shelf and upon the hook, and provided with a loop near its pivoted end, substantially as described.

3. The combination of a book or music rack having a shelf, a spring-arm secured to the rack at the under side of the shelf, a leaf-holding arm pivoted or hinged to the free end of the spring-arm, and provided with a loop into which the shelf is adapted to project and with a finger or thumb loop, a supplemental arm pivoted or hinged to the leaf-holding arm, and a forwardly-disposed hook depending from the anchored end of said spring-arm, to receive and support the leaf-holding and supplemental arms when folded to inoperative position, substantially as described.

4. The combination of a book or music rack having a shelf, and an attachment, consisting of an arm pivotally supported at one end from said shelf so as to be capable of swinging only in a plane substantially parallel with said shelf and the face of the rack, and provided with a loop near said pivoted end having one side always underlying said shelf; said arm being of resilient construction so that the part at the side of the loop opposite to the pivotal point of the arm shall be capable of movement in a plane at right angles to the pivotal movement of the arm and thereby accommodate books of varying thickness on the rack, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM ARTHUR LUBY.

Witnesses:

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G. Y. THORPE.