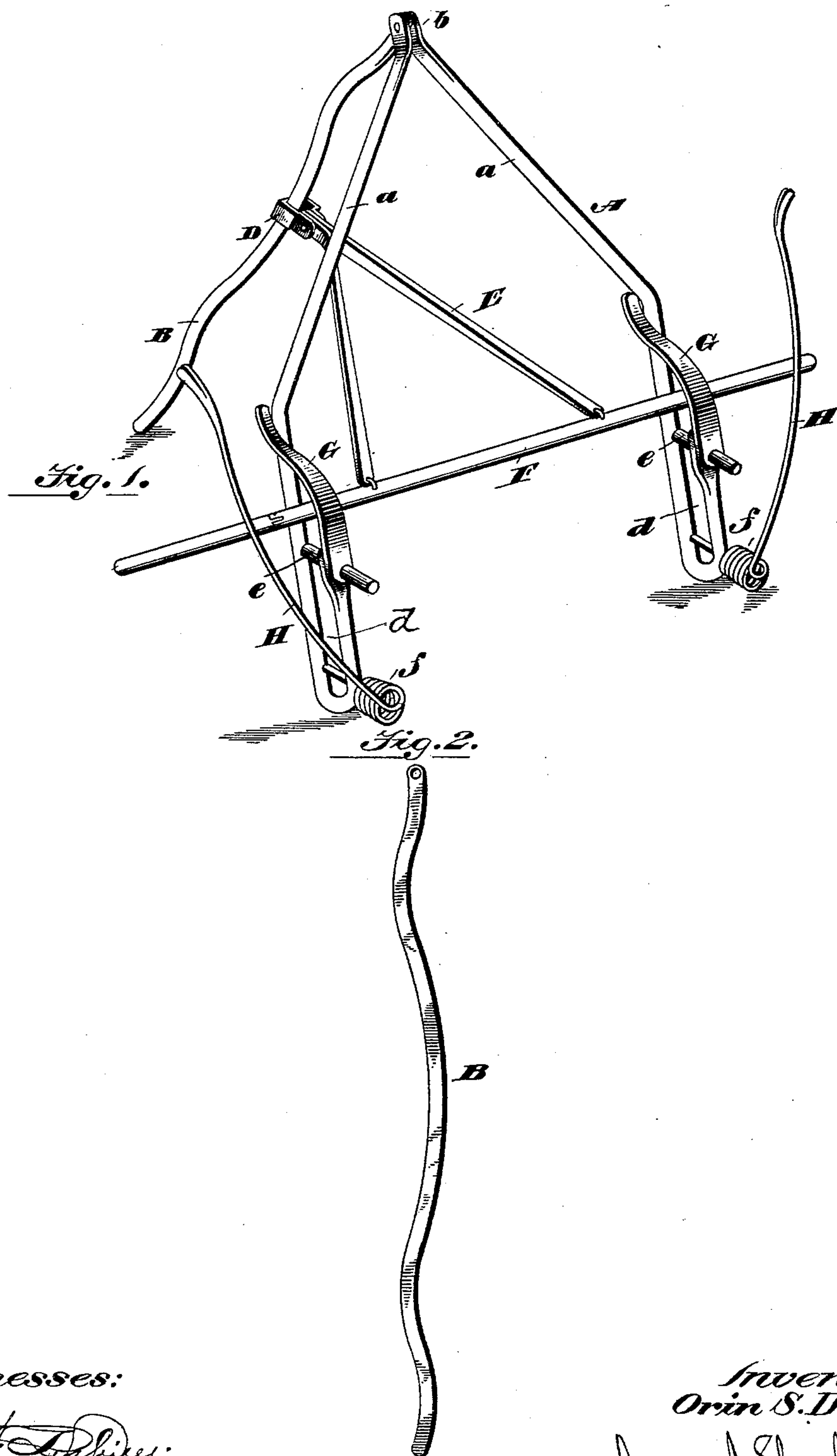


(No Model.)

O. S. DONNELL.
MUSIC HOLDER.

No. 411,280.

Patented Sept. 17, 1889.



Witnesses:

J. E. Tinsley
J. E. Tinsley

Inventor:
Orin S. Donnell

By *James J. Shiehy*
Attorney.

UNITED STATES PATENT OFFICE.

ORIN S. DONNELL, OF FRANKLIN, MAINE.

MUSIC-HOLDER.

SPECIFICATION forming part of Letters Patent No. 411,280, dated September 17, 1889.

Application filed March 5, 1889. Serial No. 301,941. (No model.)

To all whom it may concern:

Be it known that I, ORIN S. DONNELL, a citizen of the United States, residing at Franklin, in the county of Hancock and State of Maine, have invented certain new and useful Improvements in Music-Holders; and I do 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 appertains to make and use the same.

This invention relates to an improvement in devices for supporting books, music, and the like in an open and convenient position, and the novelty will be fully understood from the following description and claims, when taken in connection with the accompanying drawings, in which—

Figure 1 is a perspective view of my improved holder, showing the same in an operative position; and Fig. 2 is a view of the curved brace-bar removed.

Referring by letter to the said drawings, A indicates the main frame, which is composed of two similar bars *a a*. These bars may be of any suitable material, but preferably of half-round iron or stout rods, and are brought adjacent to each other at their upper ends, as shown at *b*, where they are pivotally connected with the upper end of the curved brace-bar B. The lower ends of these bars *a*, which form legs, may be curved, as shown at *d*, or bent into any suitable shape. I prefer, however, to form the loops or bends at *d*, so as to furnish a convenient means between them to sustain and receive the lower edges of the book-cover or other matter to be supported. When the lower ends of these bars *a* are bent, as shown, I provide a stud *e* at the upper ends of the short branches, which serves as a support for the cover of the book, or rather a bearing therefor. It is obvious, however, that the bend or loop may be dispensed with and a stud or other bearing provided at the proper point on the legs to support the book.

The brace-bar B is of a double compound curve form and receives thereon a slide-loop D. This slide-loop is connected, preferably by a hinge-joint, with the outer end of a brace E, the opposite end of which latter is connected by a pivot or hinge-joint with the cross-bar of the main frame. I have illustrated

this brace as having two diverging branches, and such a form of brace is preferred; but it is obvious that a single branch may be employed to connect the main frame with the curved brace-bar.

F indicates the cross bar, which is secured to the branches *a* of the main frame and is designed to serve as a support for the back of the book or music. This cross-bar is provided at a suitable point from its opposite ends with hinges, as shown, whereby the said ends may be folded upon each other or upon the body of the cross-bar when the frame has been closed.

G indicates spring arms or fingers, which are pivoted at their lower ends to the bars *a* or the loop-branches thereof, and these arms are suitably curved to bear upon the covers of a book when it has been placed upon the frame and its lower edges resting upon the studs or bearings *e*. It will thus be seen that when a book has been placed in position upon the bearing *e*, and resting against the main frame, by moving the slide-loop on the curved bar B the book may be moved into any desired angle of inclination. The book may be held almost perpendicularly by sliding the loop to the fullest extent upwardly on the bar B, while by sliding the loop downwardly into either of the curved portions the inclination will be changed and a lock effected by frictional contact.

H indicates leaf-holders, which are composed of spring-branches, so that they may adapt themselves to the thickness or volume of leaves to be held. These holders are preferably composed of a strip of wire having sufficient resiliency or spring, and are coiled or whirled a sufficient number of times, as shown at *f*, to afford a spring-bearing to the said arms. These wires are connected at their lower ends to the front legs of the frame, and their upper ends are adapted to bear upon the leaves and hold the same in proper position.

This device may be manufactured at a minimum expense and occupy but very little space for transportation, as the parts fold so compactly as to form a parcel of approximately flat contour. It is obvious that the leaf-holders H should be allowed a slight play in their bearings, so that they may be turned in either

direction and bear upon books of various sizes.

Instead of securing the cross-bar to the main frame, as I have illustrated, it may, if desired, be secured by means of screws or the like, so that the said bar may be detached to more compactly fold the parts.

Having described my invention, what I claim is—

1. In a book-holder, the combination, with a supporting-frame, of laterally hinged or pivoted yielding arms adapted to engage the covers of a book, and hinged or pivoted yielding arms adapted to engage the leaves of a book, substantially as specified.

2. In a book-holder, the combination, with a supporting-frame, of the yielding cover-holders secured thereto and movable laterally thereon, the bearings for the lower edges of the cover serving the additional function of pivot-bolts for the cover-holders, and the pivoted spring-arms adapted to press upon the leaves and hold the same against the cover, substantially as specified.

3. The combination, in a book-holder, of a supporting-frame, the curved brace-bar piv-

oted thereto, and a pivoted or hinged arm carrying at its outer end a hinged slide-loop, which receives the said curved bar and connects the same with the frame, substantially as specified.

4. The combination, with a supporting-frame, of the hinged brace-bar, the arm carrying a slide-loop and receiving the said brace-bar and having its opposite end connected with the cross-bar of the main frame, and the cross-bar having hinged extensions, substantially as specified.

5. The combination, with the main frame having its branches bent into looped legs, of the bearing *e* at the upper end of the loops, the spring-arms *G*, and the spring-wire leaf-holders *H*, also connected with the legs and adapted to have a play thereon, substantially as specified.

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

ORIN S. DONNELL.

Witnesses:

FRED A. PATTEN,
RALPH F. GERRISH.