

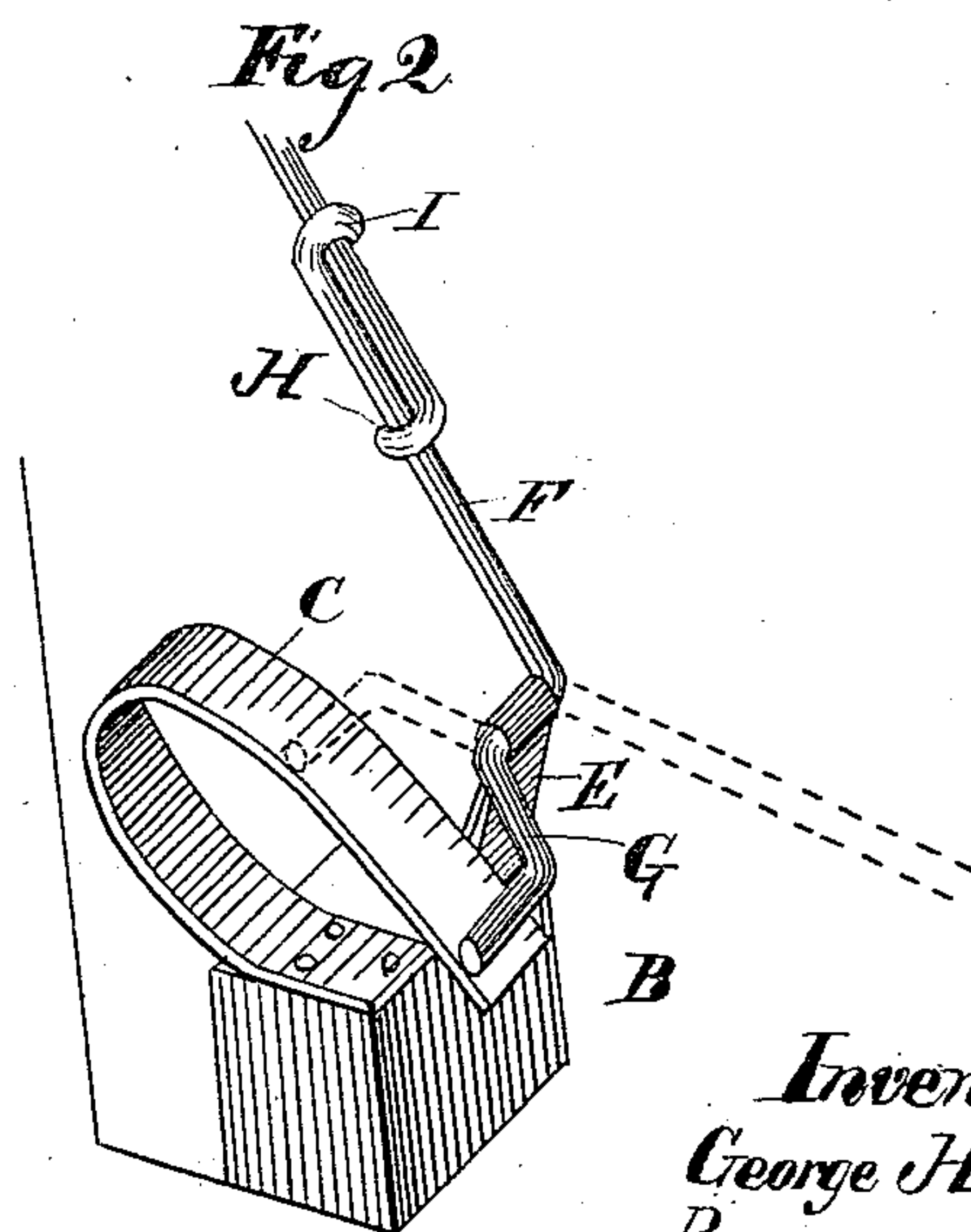
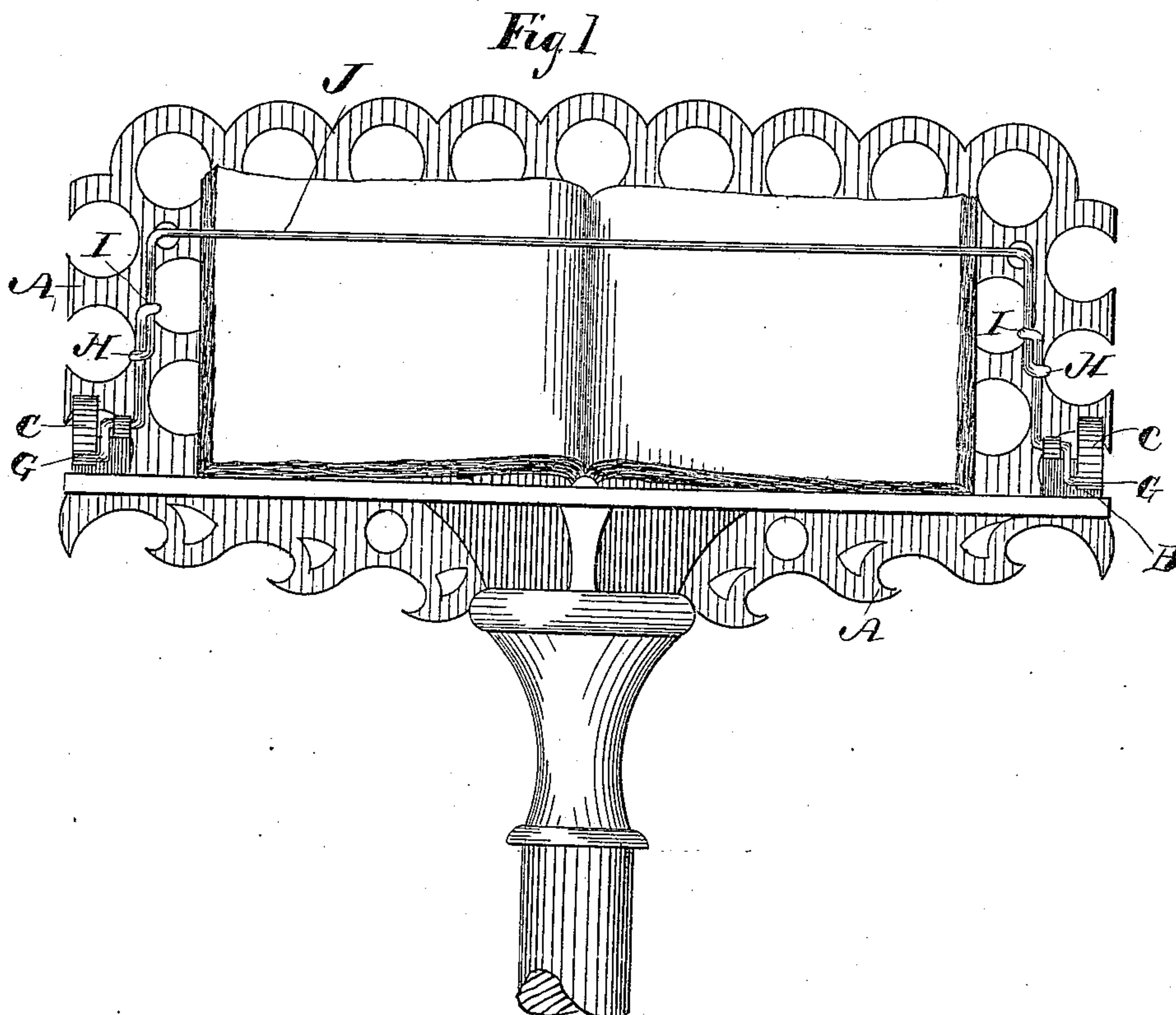
(No Model.)

G. H. NORTHROP.

DEVICE FOR HOLDING MUSIC, BOOKS, &c.

No. 312,153.

Patented Feb. 10, 1885.



Witnesses
S. S. Williamson
F. J. Shelton

Inventor
George H. Northrop
By
Smith & Hubbard Attys

UNITED STATES PATENT OFFICE.

GEORGE H. NORTHROP, OF HUNTINGTON, CONNECTICUT.

DEVICE FOR HOLDING MUSIC, BOOKS, &c.

SPECIFICATION forming part of Letters Patent No. 312,153, dated February 10, 1885.

Application filed January 11, 1884. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. NORTHROP, a citizen of the United States, residing at Huntington, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Devices for Holding Music, Books, and the like; 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 appertains to make and use the same.

My invention relates to certain novel and useful improvements in devices for holding books, music, and the like, and has for its object to provide a simple device readily attachable to a piano or organ for holding the leaves of music flat against the music-rack; or it may be used upon any rack to hold music or a book or manuscript for reading or copying; and with these ends in view my invention consists in the details of construction and combination of elements hereinafter fully and in detail described, and then specifically designated by the claim.

In order that those skilled in the art to which my invention appertains may more fully understand how to make and use the same, I will proceed to describe my improvement, referring by letter to the accompanying drawings, in which—

Figure 1 shows a front elevation of my improvement attached to a music-stand and operating upon a music-book; Fig. 2, a perspective, showing the means for attaching my improvement and the mechanism for operating the binding-wire against the book desired to be held.

Similar letters denote like parts in both figures of the drawings.

A is any desired stand or rest for holding music.

B are blocks constructed from any suitable material and attached to the stand by screws or other suitable means.

C are plate-springs secured at one end to the blocks B and bent into the form shown at Fig. 2, for the purpose presently explained.

E are lugs extending upward from the blocks B, and may be made from the same material as said blocks; but I preferably construct them from metal by casting or other desirable means

and then attach them in any suitable way to the blocks.

F are wires passing through holes in the upper portion of the lugs, and bent at their lower ends to form short cranks G, upon which the springs C may operate. These wires are at their upper ends provided with loops I, bent at right angles to said wires, and adapted to encircle the lower perpendicular portions of the binding-wire J, whose lower extremities are also provided with similar loops, H, adapted to inclose the wires F.

The operation of my improvement is as follows: The resiliency of the springs C, acting upon the short ends of the upright wires, which are provided with cranks G, forces the binding-wire J against the music or book desired to be held open. The attachment of the binding-wire to the side wires by means of the loops H I enables the binding-wire to be raised or lowered, so that a book of any desired height may be confined and at any desired point.

An important feature of my improvement is the ease with which the binding-wire may be taken out of contact with the rack and held in that position until again required for use. This is effected by simply pulling the binding-wire forward until, by the sliding of the cranks G upon the face of the springs C, the springs are enabled to act upon the reverse sides of the crank ends, thus throwing the binding-wire and side wires forward and away from the rack, as shown by the dotted lines at Fig. 2. The pressure of the springs serves to retain the wires in that position until again swung backward, when the springs, acting as at first upon the cranks, will force the binding-wire once more against the rack.

In my invention I do not wish to be understood as claiming the exact construction shown, or any particular material, the gist of my invention resting in the broad idea of constructing a device for holding books, music, and the like which shall be easy of adjustment, and which may be held in or out of contact with the book or manuscript at the will of the operator.

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

The combination of the stand A, having at-

tached thereto blocks B, lugs E, attached to
said blocks, wires F, passed through said lugs,
and having short crank-arms G formed at their
lower ends, flat springs C, secured to the blocks
5 B at one extremity, and near the other extrem-
ity bearing upon the crank-arms, and binding-
wire J, attached to said wires F by loop-con-
nections, substantially as set forth and de-
scribed.

In testimony whereof I affix my signature in 10
presence of two witnesses.

GEORGE H. NORTHROP.

Witnesses:

S. S. WILLIAMSON,
W. J. HAVILAND.