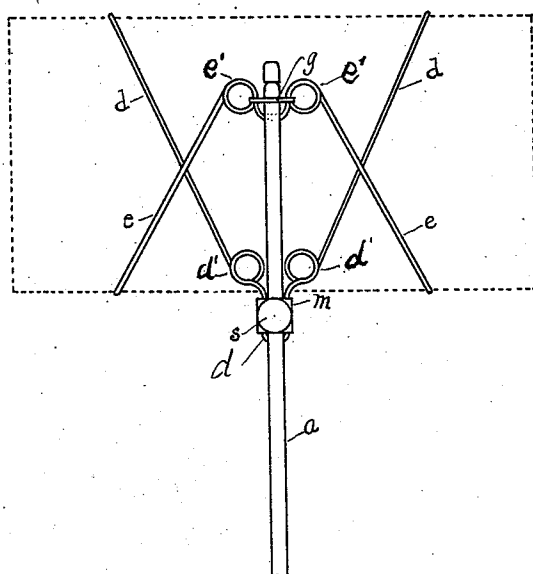


(No Model.)

R. ALDEN.
MUSIC BOOK HOLDER.

No. 574,869.

Patented Jan. 12, 1897.



*Witness
W. C. Upm
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UNITED STATES PATENT OFFICE.

RINALDO ALDEN, OF WAUKEGAN, ILLINOIS.

MUSIC-BOOK HOLDER.

SPECIFICATION forming part of Letters Patent No. 574,869, dated January 12, 1897.

Application filed November 29, 1895. Serial No. 570,566. (No model.)

To all whom it may concern:

Be it known that I, RINALDO ALDEN, a citizen of the United States, residing at Waukegan, in the county of Lake and State of Illinois, have invented a new and useful Music-Book Holder, of which the following is a specification.

My invention relates to music-book holders which are to be attached to the portable musical instruments used in bands, and the object of my invention is to provide a music-book holder which is an improvement on the one patented in Letters Patent No. 244,512, dated July 19, 1881, to R. Alden, consisting of a device to prevent the weakening or breaking of the spring-arms when the music-book holder is in use. I attain this object by the mechanism illustrated in the accompanying drawing, in which the figure is a rear view of the music-book holder.

Through the block *m*, which moves vertically upon the rod *a* and which is provided with the set-screw *s*, is passed the spring-arm wire *d d*. This arm-wire after leaving the block *m* is bent into the springs *d' d'*, as shown in the drawing. Passed through the upper end of the rod *a* is the spring-arm wire *e e*. The ends of the said wire pass upward through the link *g*, the said link *g* being at-

tached to the upper end of the rod *a*, and the arm-wires are then bent into the springs *e' e'*, as shown in the drawing.

It has been found in practice that the spring-arms *d d* and *e e* are apt to weaken and break off unless provided with the link and spring coils shown.

The use of the link *g* for the upper arm and passing the wire through the block *m*, as shown in the drawing, for the lower, and not through the block in a line perpendicular to the standard, prevent the arms from turning after they become worn from use.

I am aware that prior to my invention music-book holders have been made with fixed and sliding arms upon a vertical rod, as shown in the Alden patent of July 19, 1881. Hence I do not claim these features broadly.

What I do claim as my invention, and desire to secure by Letters Patent, is—

In a music-book holder in combination with the rod *a*, and sliding block *m*, the bent arms *d, d*, and *e, e*, provided with the springs *d', d'*, *e', e'*, and link *g*, substantially as shown.

RINALDO ALDEN.

Witnesses:

W. C. UPTON,
CHAS. WHITNEY.