

A. M. ERNSBERGER.  
Music-Leaf Turners.

No. 134,367.

Patented Dec. 31, 1872.

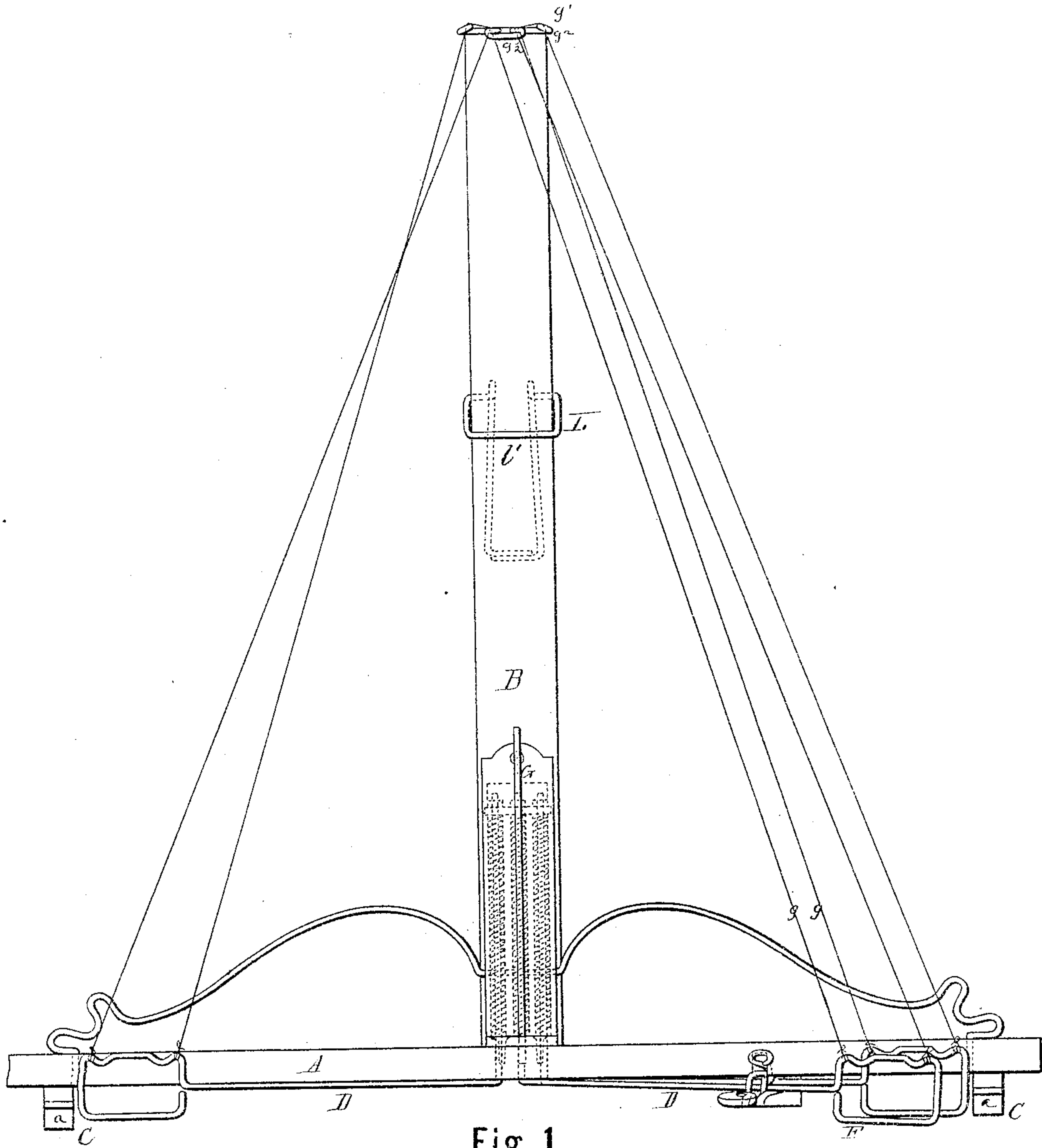


Fig. 1.

WITNESSES.

*Villette Anderson,*  
*Geo. Elpham.*

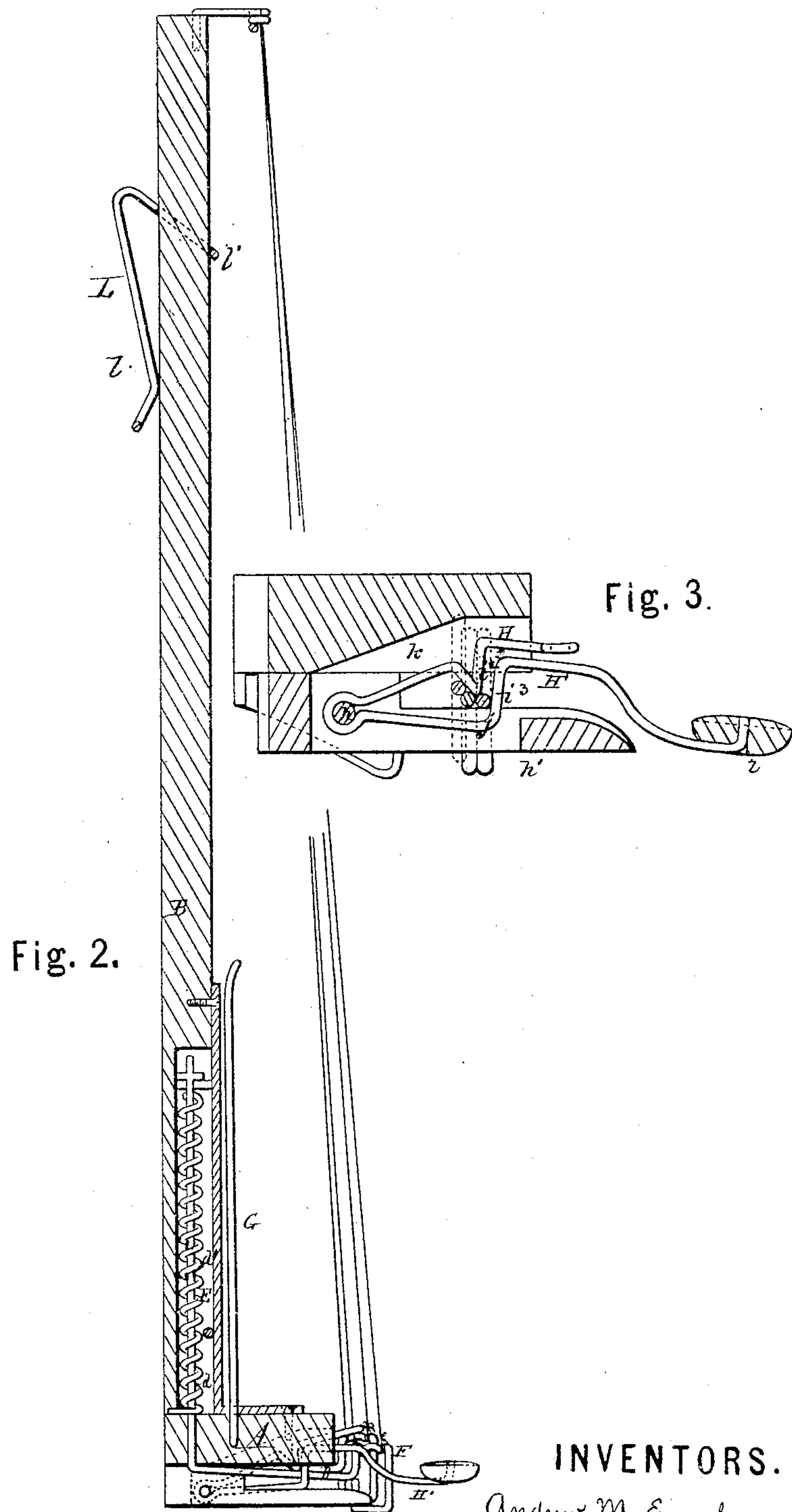
INVENTOR

*Andrew M. Ernsberger*  
*Chapman & Fosmire Co.,*  
*Attys.*

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# UNITED STATES PATENT OFFICE

ANDREW M. ERNSBERGER, OF INDIANAPOLIS, INDIANA, ASSIGNOR OF ONE-HALF OF HIS RIGHT TO HENRY SLUSHER, OF SAME PLACE.

## IMPROVEMENT IN MUSIC-LEAF TURNERS.

Specification forming part of Letters Patent No. **134,367**, dated December 31, 1872; antedated December 26, 1872.

*To all whom it may concern:*

Be it known that I, ANDREW M. ERNSBERGER, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and valuable Improvement in Music-Stands; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a front elevation of my invention; Fig. 2 is a vertical transverse section of the same; and Fig. 3 is a detail view.

This invention has relation to music-stands; and consists in the construction and novel arrangement of devices for turning the leaves of the music automatically, substantially as hereinafter described.

In the drawing, A represents the base-bar of the stand, B the central upright, and C the feet, which, when the apparatus is placed on an instrument or on an ordinary music-stand, elevates the bar A sufficiently to enable the leaf-turning mechanism to work freely. The feet are recessed at *a* to fit the ridge usually formed on music-stands to prevent the leaves from slipping. D designates horizontal wire arms having vertical extensions *d*, which are fitted into a chamber, *d'*, of the upright B, and encircled by springs E, arranged to throw the arms D from the right to the left of the stand B. On the outer end of each arm is formed a loop, F, to which are attached two fine wires or cords, *g*, which are thence carried up to the top of the upright in an oblique manner and connected to a wire frame or bracket, *g*<sup>1</sup>, having eyes *g*<sup>2</sup>. G designates a spring-rod arranged to hold the music on the stand. H H' indicate a pair of spring-catches, consisting of a piece of elastic wire bent around a pin, *h*, inserted in a recessed and slotted block, *h'*, secured to the under side of the bar A, near the right-hand end thereof. In the arrange-

ment of the music each of the leaves is inserted between the two cords or wires *g*. Afterward, the arms D are inserted between the catches and the leaves turned by a quick snap of the lower catch, which is provided with a thumb-piece, *i*. The catch H is constructed with an angular projection, *i*<sup>2</sup>, which extends down behind a shoulder, *i*<sup>3</sup>, of the catch H'. When the arms D are inserted between the catches all but the outermost arm fall behind the angular projection *i*<sup>2</sup>, while said outermost arm fills the space between the point of said angular projection and the elbow *j* of the catch H'. Whenever the catch H' is pressed down or snapped quickly the first arm D escapes, and one leaf of music is instantly turned. The space above the elbow *j* is at the same time filled by another arm, and so on. *k* represents a recess in the board A to enable the catch H to be raised. L designates a spring-clasp having an oblique arm, *l*, which may be adjusted on the upright B by means of a loop, *l'*, and is designed for attaching the apparatus to a music-stand.

This apparatus may be used for turning the leaves of any kind of pamphlets or small books.

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

1. The spring-catch H having the projection *i*<sup>2</sup>, and spring-catch H' having the shoulder *i*<sup>3</sup>, and elbow *j*, in combination with the spring-arms D, substantially as and for the purpose specified.

2. The adjustable spring-clasp L having the oblique arm *l* and loop *l'*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ANDREW M. ERNSBERGER.

Witnesses:

JOSEPH R. ROBERTS,  
W. W. JAMES.