

J. A. BENTZ.
MUSIC LEAF TURNER.
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1,015,127.

Patented Jan. 16, 1912.

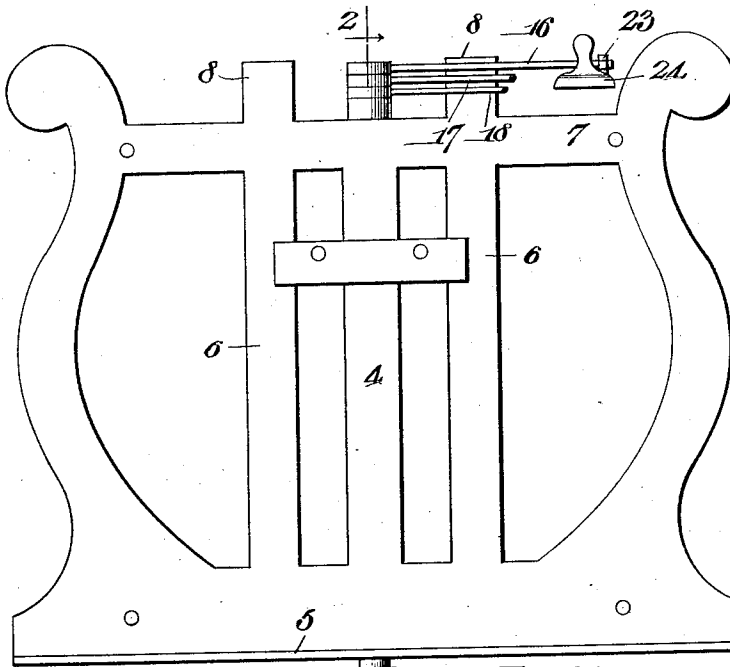


Fig. 1.

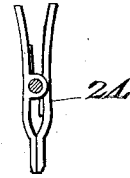


Fig. 4.

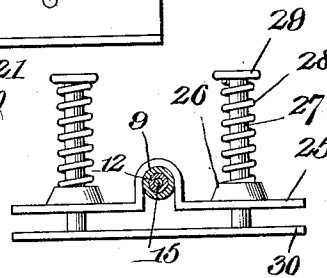


Fig. 3.

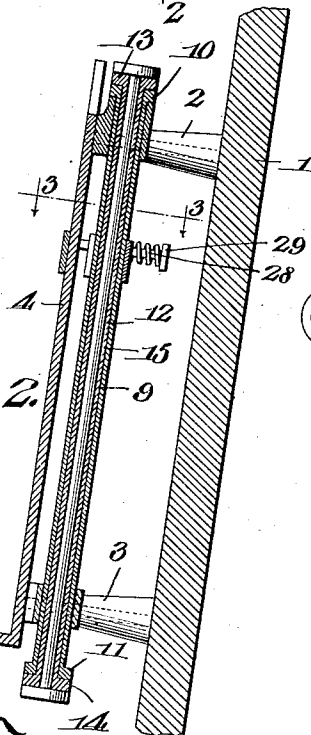


Fig. 2.

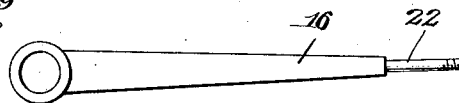


Fig. 5.

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MUSIC-LEAF TURNER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN A. BENTZ, a citizen of the United States, residing at Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented new and useful Improvements in Music-Leaf Turners, of which the following is a specification.

This invention relates to music leaf turners and one of the principal objects of the invention is the provision of a simple, cheaply constructed and efficient device of this character which is adapted to hold or support sheet music and which is provided with convenient means for turning the separate leaves.

Another object of the invention is the provision of a leaf turner having a plurality of turning elements and a book holder adjustably mounted thereon and adapted to hold a music book in open position and at the same time to prevent one of the elements from turning.

Further objects of the invention will appear as the following specific description is read in connection with the accompanying drawing, which forms a part of this application, and in which:—

Figure 1 is a front elevation. Fig. 2 is a vertical section taken on the line 2—2 of Fig. 1 looking in the direction of the arrows. Fig. 3 is a detail top plan view of the book holder with the turning sleeves shown in section. Fig. 4 is a detail end elevation of one of the sheet turners. Fig. 5 is a detail top plan view of one of the turning arms.

Referring more particularly to the drawing, 1 represents a suitable support which has projecting therefrom the standards 2 and 3, upon which is mounted the music rack 4. The rack is provided as is usual with a book or sheet music supporting flange 5 and is also provided with a plurality of vertical bars 6 which are connected at their upper ends by a cross bar 7. The two outside vertical bars extend above the cross bar 7, as shown at 8, to form stops which will be hereinafter explained.

Journalled in the standards and arranged parallel with the vertical bar 6 is a sleeve 9 having headed ends 10 and 11, and journalled within the sleeve is a smaller sleeve 12 having headed ends 13 and 14. Mounted within the outer sleeve is a headed rod 15.

Secured to the headed rod and to the heads 10 and 13 of the sleeves 9 and 12 are leaf turning arms 16, 17 and 18 which are independently controlled by levers 19, 20 and 21 respectively which are secured to the headed rod and to the heads 14 and 11 of the sleeves 12 and 9. The outer end of each leaf turning arm is provided with a reduced extension 22 which is threaded at its end so as to receive a locking nut 23 for holding a clamping member 24 in position thereon. These clamping members are adapted to engage the sheets of music in the ordinary manner and are turned with the arms when the levers are operated.

Slidably or adjustably mounted upon the outer sleeve 9 is a yoke-shaped plate 25 having the centrally apertured bosses 26 formed thereon. These bosses are adapted to receive and guide the connecting pins 27 which pass therethrough and are surrounded by springs 28 which rest upon the bosses at one end and have their opposite end in engagement with the headed ends 29 of the pins 27. The ends of the pins which pass through the bosses are connected to a clamping plate 30 which is bridged across the vertical bar 6 in such a position as to engage the upper edge of a book. The plate 30 is normally maintained in engagement with the face of the bar 6 by means of springs 28 which also hold the yoke portion of the plate 25 in frictional engagement with the sleeve 9. The sleeve 12 is preferably snugly engaged with the sleeve 9 and the rod 15 is loosely mounted within the sleeve 12. When the rod is turned by the lever 19 it will move independently of the sleeve 12 and, as the friction of the yoke member on the sleeve 9 is greater than the friction of the sleeve 12 on the sleeve 9, when the sleeve 12 is moved the sleeve 9 will remain stationary until positively turned by the lever 21.

In practice the leaf turning elements are made sufficiently long to engage the leaves of the book when the clamping member 30 is engaged with the back of the same or, in other words, with the binding of the book. The clamping member 30 can, however, be used independently of the leaf turning elements for simply holding the book in open position upon the rack and the turning elements can be used independently of the clamp for turning the leaves of sheet music.

Having thus described the invention, what I claim as new is:—

1. In a leaf turner, a music rack, leaf turning elements rotatably mounted thereon, means connected with said elements for independently turning the same, a spring operated book clamp mounted upon the rack, and means forming a part of the clamp for holding certain of the leaf turning elements from rotating while others are being rotated by turning means.

2. In a leaf turner, a music rack, a plurality of leaf turning elements rotatably mounted in the rack, means connected with said elements for turning the same independently of one another, and a spring operated book clamp adjustably mounted upon the rack and having a yoke to hold certain of the elements from turning while others are rotated by said turning means.

3. In a leaf turner, a music rack, a plurality of leaf turning elements carried by the rack, a yoke surrounding certain of said elements, a clamping plate, and spring operated means coacting with the clamping plate and the yoke to hold a book upon the rack

and to hold certain of said elements from turning while others are rotated by said turning means.

4. In a device of the class described, the combination with a support, of standards mounted thereon, a music rack mounted thereon, a plurality of concentrically arranged leaf turning elements journaled in the standards, leaf supporting members carried thereby, means for independently turning said leaf supporting members, a yoke plate surrounding the outside element, a clamping plate bridged across a portion of the rack, resilient means for holding the clamping plate in clamping position and the yoke plate in frictional engagement with the outside element to prevent its turning until positively operated, said plates adjustable over the rack and element.

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

JOHN A. BENTZ.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."