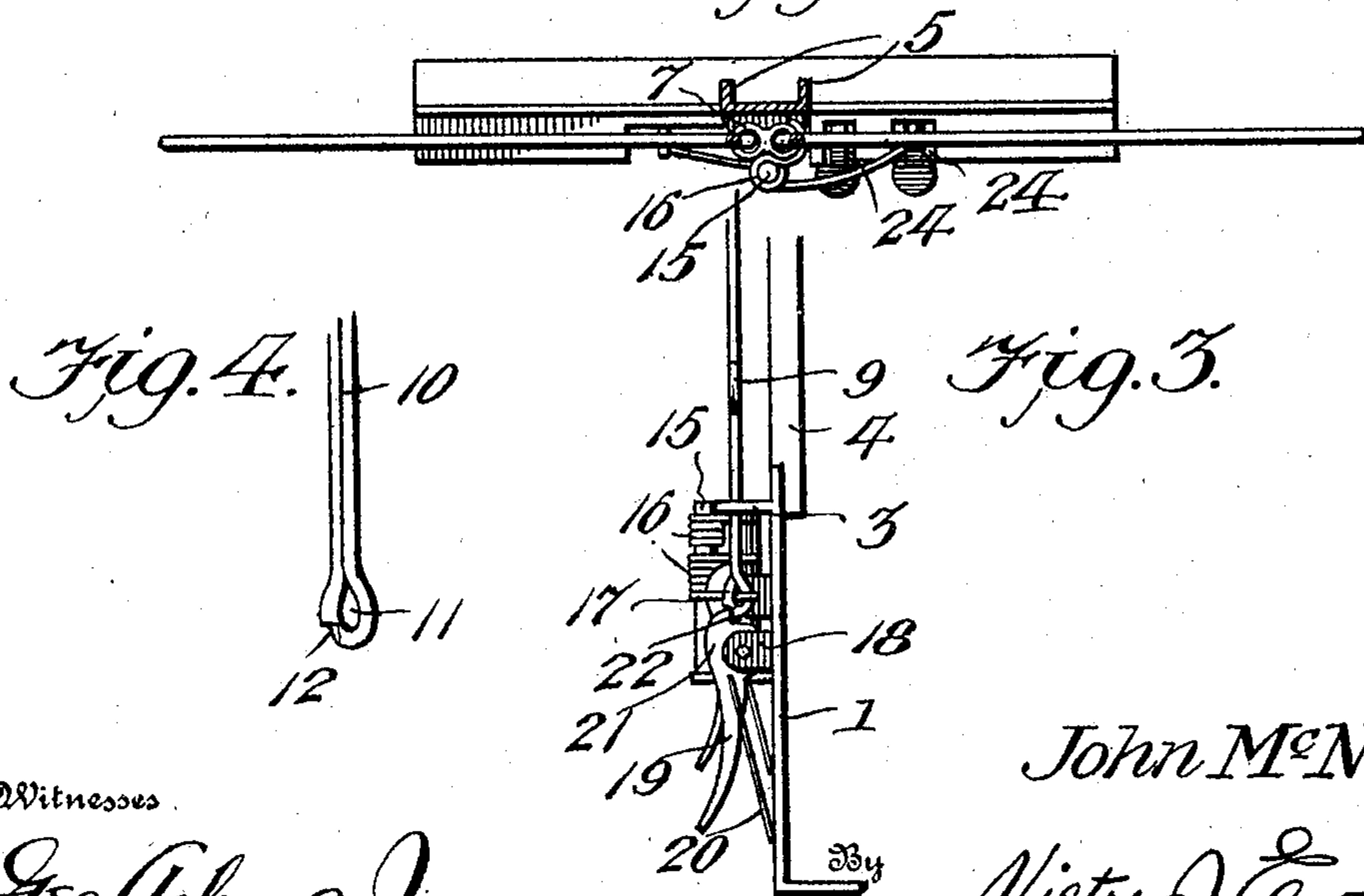
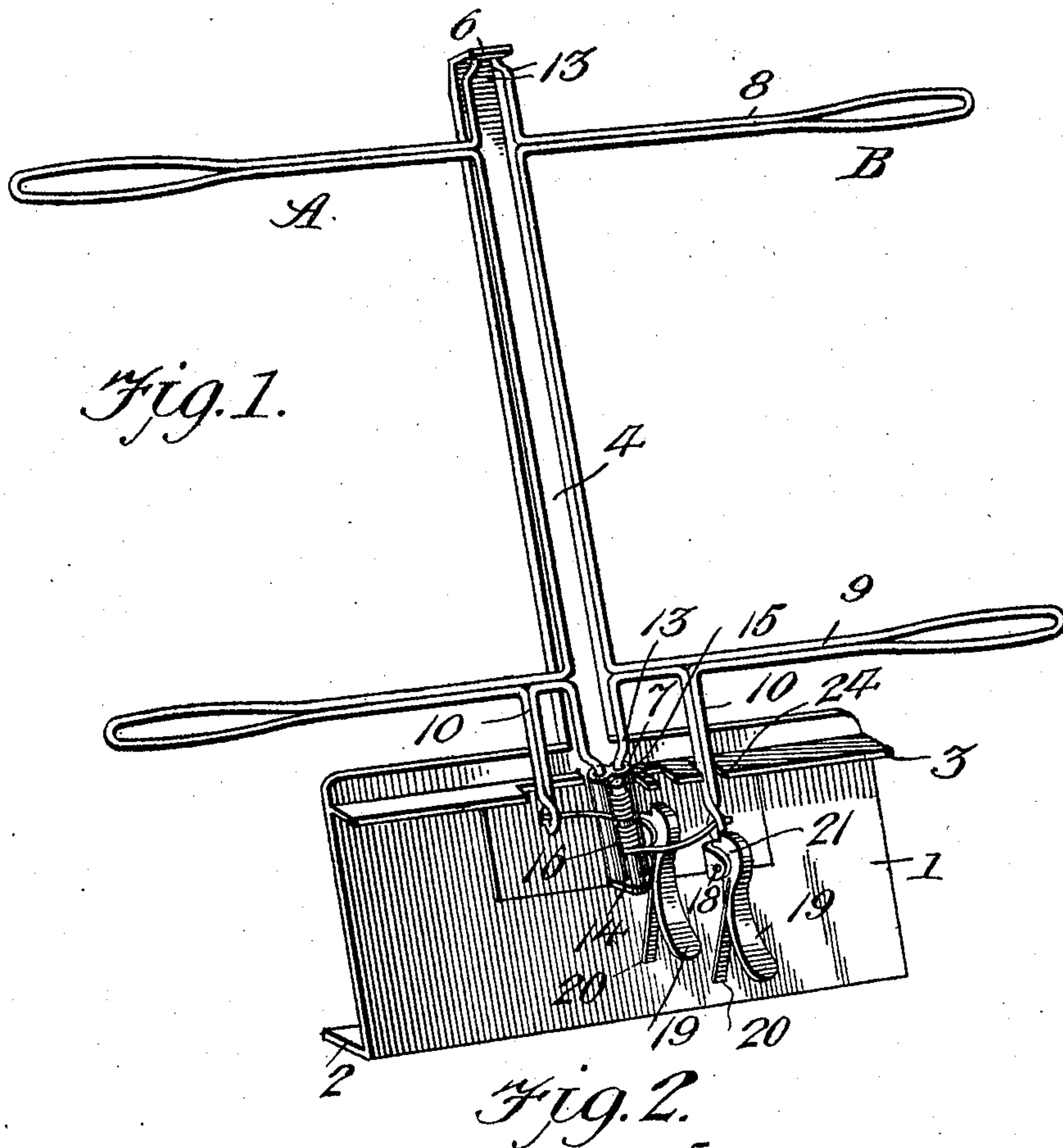


No. 795,723.

PATENTED JULY 25, 1905.

J. McNEIL.
MUSIC LEAF TURNER.
APPLICATION FILED NOV. 1, 1904.



Witnesses
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UNITED STATES PATENT OFFICE.

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MUSIC-LEAF TURNER.

No. 795,723.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN McNEIL, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented new and useful Improvements in Music-Leaf Turners, of which the following is a specification.

This invention relates to music-leaf turners.

The objects of the invention are to improve and simplify the construction of such devices; furthermore, to increase their efficiency in operation.

With the foregoing and other minor objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed as a practical embodiment thereof.

In the accompanying drawings, Figure 1 is a perspective view of a music-leaf turner constructed in accordance with the invention. Fig. 2 is a horizontal section thereof. Fig. 3 is a side elevation of the lower portion of the device. Fig. 4 is a detail view showing one of the depending arms which are formed on the turning devices.

Like reference characters indicate corresponding parts in the different views.

The reference-numeral 1 indicates a support which is formed of sheet metal or other suitable material. At the lower end of the support 1 an integral flange, such as 2, is formed, preferably, by bending the material of said support. In addition to the flange 2, which is designed to be used in holding the device in upright position or in securing it to a music-stand, the support 1 is also provided in any suitable manner with a flange 3. Connected integrally with the upper portion of the support 1 is an upright 4, the side edges of which are bent rearwardly to form bracing-flanges 5. At its upper end the upright 4 is bent to form a perforated top flange 6. Secured in any suitable manner to the support 1 is a plurality of tubular journal-bearings 7, in which are journaled the lower ends of suitable leaf-turning devices A B, the upper ends of said leaf-turning devices being journaled in the top flange 6 of the upright 4. As shown in the drawings, each of the turning devices A B is formed, preferably, of a single piece of wire, which is bent intermediate its ends to form lateral arms 8 and 9 and a depending arm 10, which is formed, preferably, upon the lower lateral arm 9. The depending arm 10, as indicated in Fig. 4, is formed at

its lower end with an eye 11 and a notched portion 12. Adjacent to its upper and lower ends each of the leaf-turning devices A B is bent, as shown at 13, so as to provide a space between each of the leaf-turning devices and the upright 4 to accommodate the music-sheets which are inserted through said space. Secured in any suitable manner upon a plate 14, which serves to support the journal-bearing 7 and to close the lower ends thereof, is an upwardly-projecting pin 15, around which is coiled a plurality of springs 16, each having a free end 17, which extends through the eye 11 in the depending arm 10 of one of the leaf-turning devices A B. Pivotaly mounted between ears or lugs 18 upon the support 1 is a plurality of catches 19, having springs 20 connected therewith. Each of the spring-catches 19 has a rounded end 21, which is formed with a shouldered portion 22, adapted to engage the notch 12 in the depending arm 10 of one of the leaf-turning devices A B.

Constructed as above described the operation of the improved device is as follows: The music-leaves are inserted between the leaf-turning devices A B and the support 4 in such manner that each of the turning devices A and B lies between two adjacent leaves. The leaf-turning devices are then swung against the tension of the springs 16 until the depending arms 10 are caught and held by the spring-catches 19. When it is desired to turn a sheet of music, the spring-catch 19, upon the left in Fig. 1, is pressed to release the leaf-turning device A. The spring 16 then acts to swing said device A into position shown in Fig. 1.

In order to prevent the depending arms 10 from slipping sidewise, and thus losing their engagement of the spring-catches 19, the flange 3 on the support 1 is formed with a plurality of notches 24, into which said depending arms fit when engaged by the spring-catches.

It will be understood that any desired number of leaf-turning devices A B may be used without departing from the spirit of the invention. Furthermore, it will be apparent that the spring-catches 19 may be adapted in any suitable manner to be operated by the foot in case the musician is forced to use both hands in the manipulation of his instrument.

The music-leaf turner of this invention is strong, simple, durable, and inexpensive in construction, as well as thoroughly efficient in operation.

Changes in the precise embodiment of invention illustrated and described may be made within the scope of the following claims without departing from the spirit of the invention or sacrificing any of its advantages.

Having thus described the invention, what is claimed as new is—

1. In a music-leaf turner, the combination of a support, a turning device pivoted thereon, said turning device being formed of a single piece of wire bent intermediate its ends to form a plurality of lateral arms, and a depending arm connected with one of said lateral arms and having an eye, a coil-spring upon said support having a free end extending through the eye of the depending arm, and a spring-catch pivoted upon the support and arranged to engage the depending arm.

2. In a music-leaf turner, the combination of a support having an upright connected therewith, said upright being formed with integral longitudinal bracing-flanges and a perforated top flange, journal-bearings on said

support, turning devices, each made of a single piece of wire journaled at its upper end in the perforated top flange and at its lower end in one of the journal-bearings, the intermediate portions of each wire being bent to form two lateral arms, and a depending arm connected with the lower lateral arm, said depending arm having an eye and a notch therein, a plurality of coil-springs on the support, each having a free end extending through the eye of one of the depending arms, a plurality of pivotally-mounted spring-catches connected with said support and each having a shouldered portion to engage one of the notched depending arms, and a flange on said support having notches therein to receive the depending arms.

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

JOHN McNEIL.

Witnesses:

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