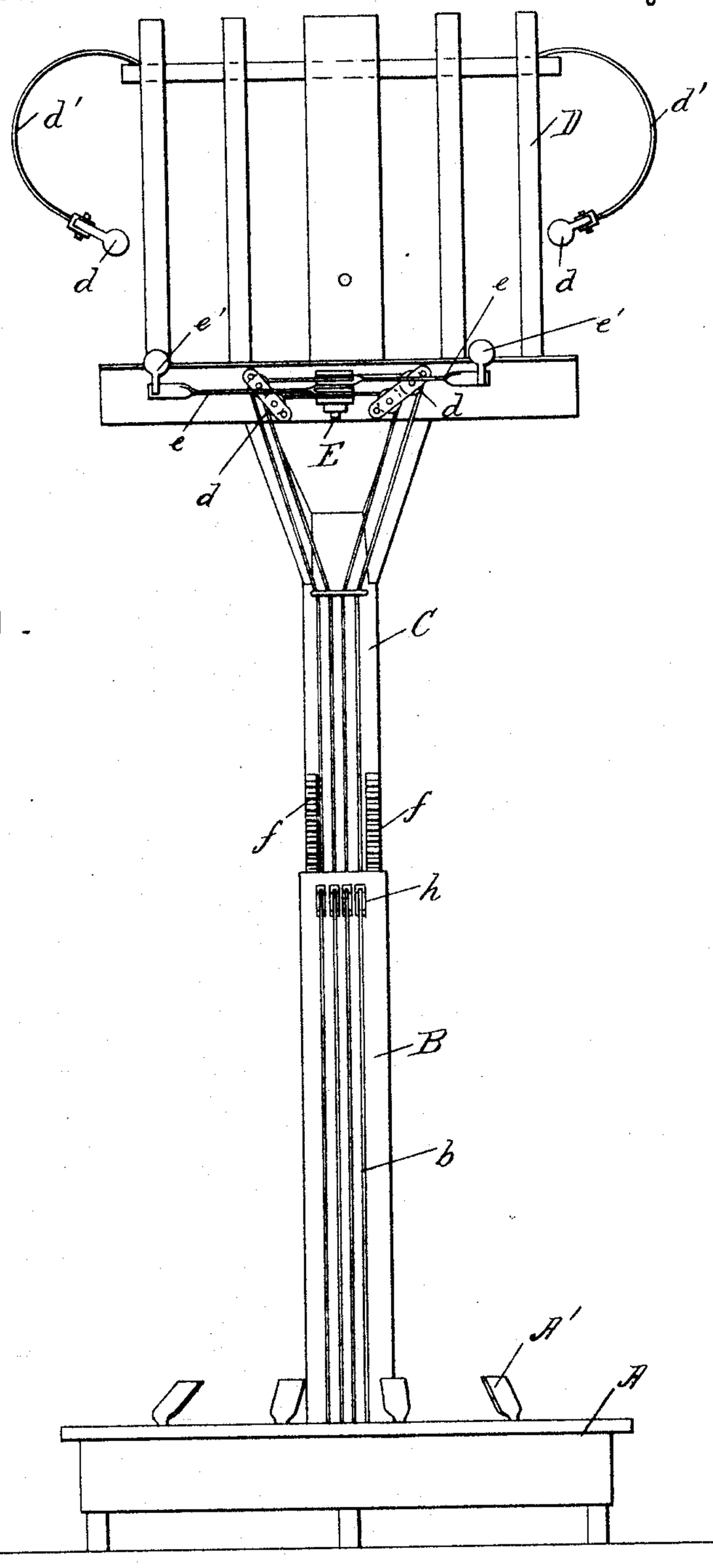
(No Model.) 3 Sheets—Sheet 1.

J. BERRON.

LEAF TURNER.

No. 587,053. Patented July 27, 1897.

FIG. 1.



Witnesses:
A. Page.
D. H. Bernard

Joseph Berron, Inventor
By J. A. Marion
Attorney

(No Model.)

3 Sheets—Sheet 2.

J. BERRON.

LEAF TURNER.

No. 587,053.

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FIG. 2

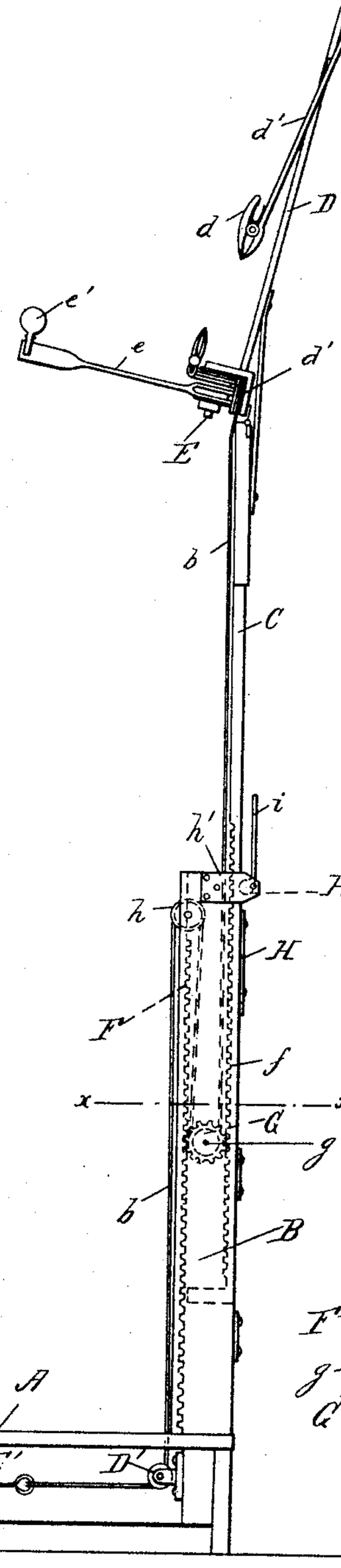
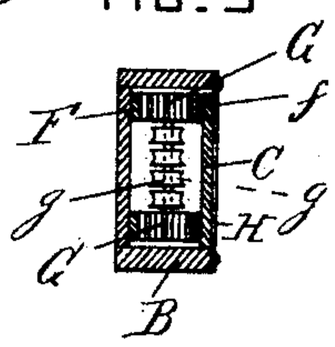


FIG. 3



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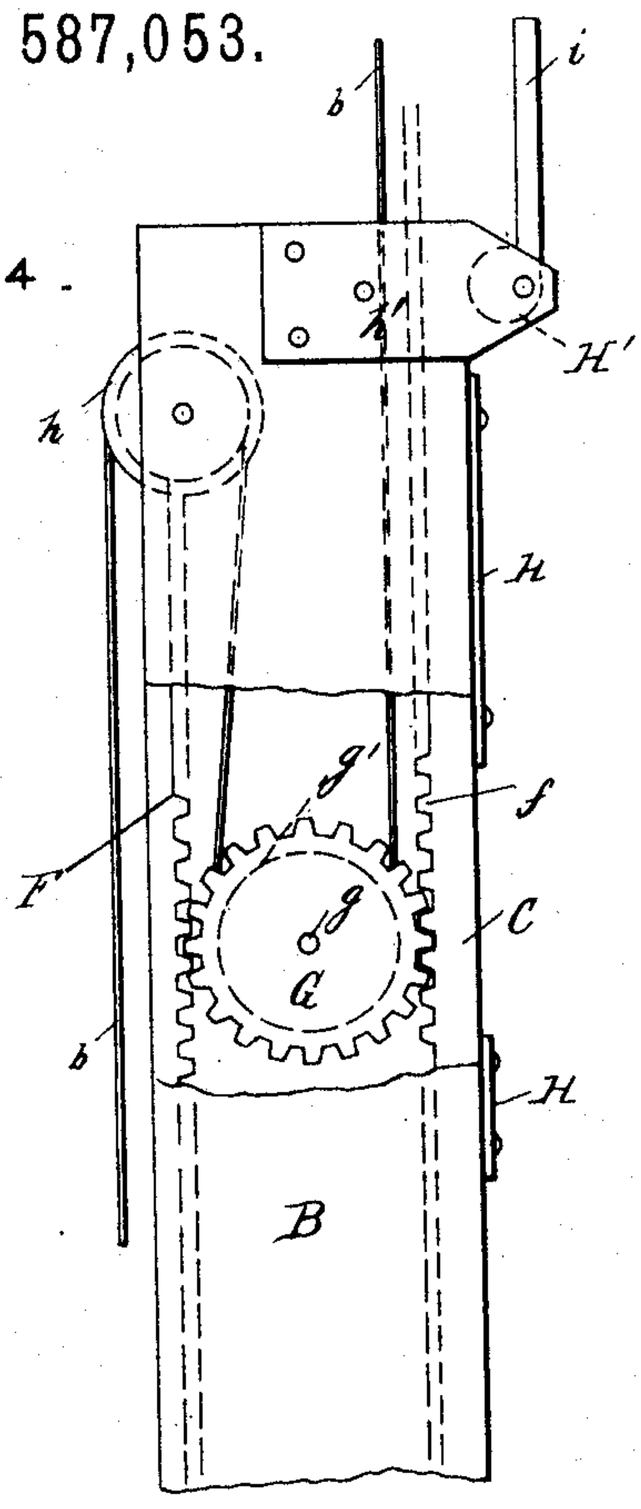
(No Model.) 3 Sheets—Sheet 3.

J. BERRON.

LEAF TURNER.

No. 587,053. Patented July 27, 1897.

FIG. 4.



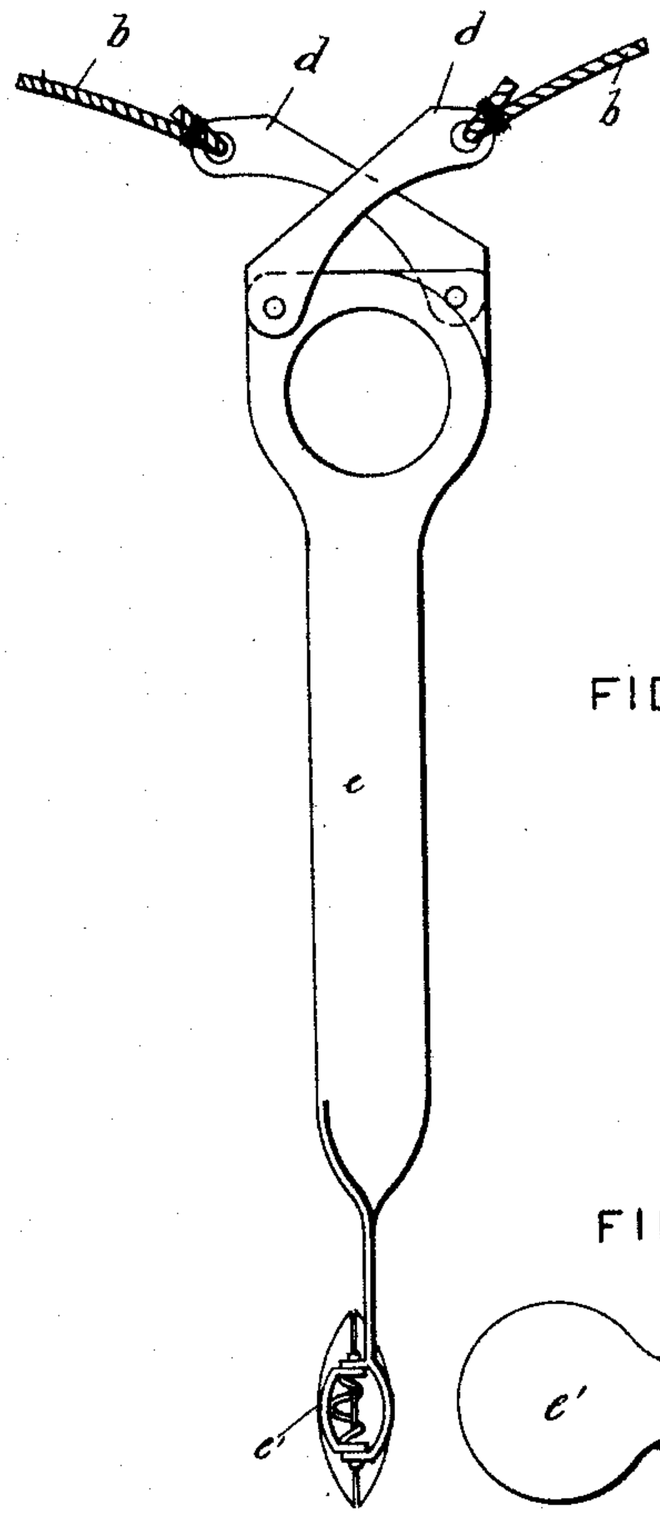


FIG. 5.

FIG. 6.

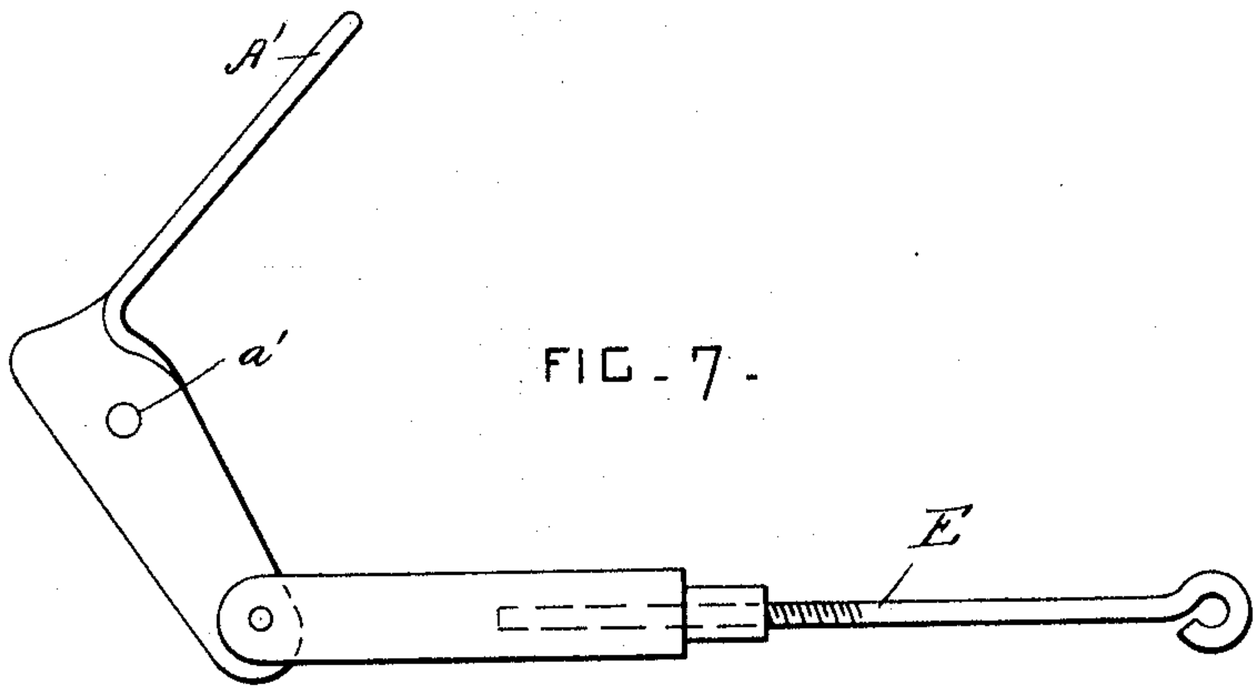


FIG. 7.

Witnesses:
A. Pagé
J. H. Bernard

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UNITED STATES PATENT OFFICE.

JOSEPH BERRON, OF JACKMAN, MAINE.

LEAF-TURNER.

SPECIFICATION forming part of Letters Patent No. 587,053, dated July 27, 1897.

Application filed April 12, 1897. Serial No. 631,769. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH BERRON, a citizen of the Dominion of Canada, residing at Jackman, in the county of Somerset and State of Maine, have invented certain new and useful Improvements in Leaf-Turners; 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.

This invention relates to leaf-turners; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a front view of the leaf-turner. Fig. 2 is a side view of the same. Fig. 3 is a cross-section taken on the line *x x* in Fig. 2. Fig. 4 is a detail side view of the means for keeping the cords taut. Fig. 5 is a detail plan view of one of the turning-arms. Fig. 6 is a front view of one of the clips. Fig. 7 is a side view of one of the pedals and its connections.

A is a base, and B is a hollow vertical post secured to the base.

C is a vertical post which is slidable inside the post B.

D is a desk for holding the music or book, and *d* are spring-actuated clips for holding the music in position. The clips *d* are attached to the desk by curved arms *d'*.

E is a pivot-pin secured to the middle of the lower part of the desk, and *e* are arms pivoted on the said pin and having spring-actuated clips *e'* at their ends for engaging with the leaves to be turned.

A' are pedals pivoted on pins *a'*, carried by the base A. Cords *b* or other equivalent flexible connections are attached to the pedals A' and to the opposite ends of the arms *e* from the clips *e'*. Each arm *e* is connected to two pedals. The cords *b* are connected to the arms *e* by pivoted links *d''* upon opposite sides of the arm, and the links *d''* are crossed and the cords *b* are led away in opposite directions and pass over guide-pulleys *d'''*, carried by the desk, so that the arms may be moved back and forth by depressing the two pedals alternately.

D' are guide-pulleys carried by the base. The cords pass over the pulleys D', and E' are adjusting-screws for connecting the lower ends of the cords to the pedals. When a non-extensible post is used, the cords may pass direct from the pulleys *d'''* to the pulleys D'.

In order that the height of the desk may be adjusted and the cords *b* be kept taut, toothed racks F are provided on the post B, and similar racks *f* are provided on the post C. G are toothed pinions which gear into each opposed pair of racks F and *f*.

The pinions G are mounted on a shaft *g*, and *g'* are guide-pulleys journaled on the shaft *g*. The cords *b* are looped under the pulleys *g'* and over guide-pulleys *h*, journaled at the upper part of the post B.

H are plates secured to the post B for the backs of the racks *f* to bear against.

The post C is moved up and down by hand, and the pinions G are moved up and down by the racks, so that the cords *b* are always kept taut.

A fastening device is provided for holding the post C after its position has been adjusted. This fastening device preferably consists of an eccentric H', journaled in brackets *h'*, which are secured to the top portion of the post B. The eccentric is arranged to bear against the post C, and it is provided with a lever *i* for operating it.

The leaves of the music on the desk are placed in engagement with the clips *e'* and are turned over by depressing the pedals.

What I claim is—

1. In a leaf-turner, the combination, with a base, a post secured thereto, a post slidable in the aforesaid post, and a desk secured to the said slidable post; of arms pivoted to the said desk, pedals pivoted to the said base, cords connected to the said arms and pedals, guide-pulleys for the cords supported by the said desk, post and base, and slidable guide-pulleys operating automatically to keep the said cords taut when the slidable post is moved vertically, substantially as set forth.

2. In a leaf-turner, the combination, with a stationary hollow post B provided with toothed racks, of a slidable post C also pro-

vided with toothed racks, plates guiding the post C in the post B, toothed pinions gearing into the racks on the posts B and C, a shaft carried by the said pinions, guide-pulleys g' journaled on the said shaft, guide-pulleys h carried by the upper part of the post B, leaf-turning arms supported by the post C, and operating-cords attached to the said arms and passing under the pulleys g' and over the pulleys h, substantially as set forth.

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

JOSEPH BERRON.

Witnesses:

J. W. MARION,

ARTHUR GOSSELIN.