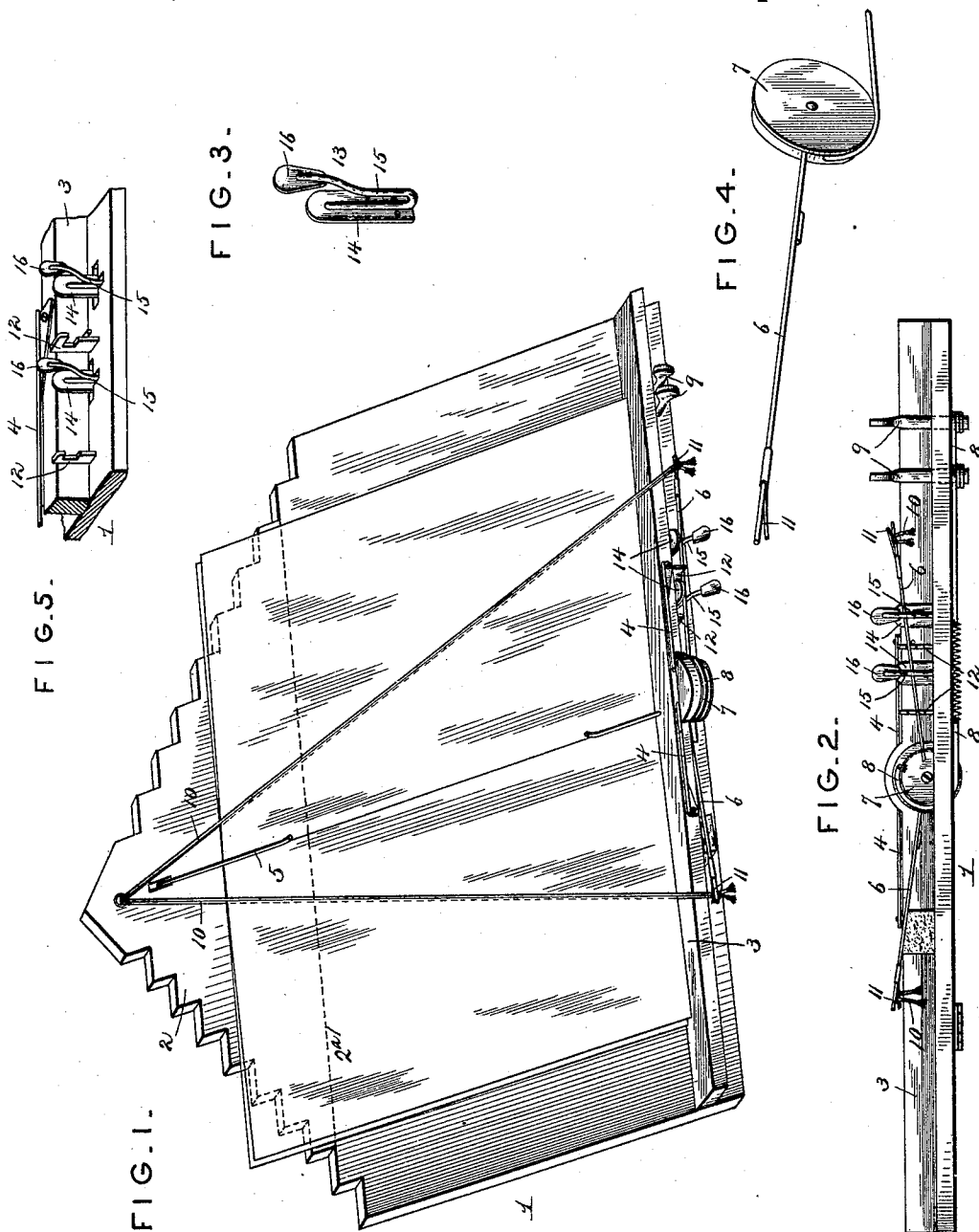


(No Model.)

W. B. PURDY.
MUSIC LEAF TURNER.

No. 545,659.

Patented Sept. 3, 1895.



Inventor

William B. Purdy.

Witnesses

Harry L. Amer.

By his Attorneys,

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UNITED STATES PATENT OFFICE.

WILLIAM B. PURDY, OF CORSICA, PENNSYLVANIA.

MUSIC-LEAF TURNER.

SPECIFICATION forming part of Letters Patent No. 545,659, dated September 3, 1895.

Application filed August 31, 1894. Serial No. 521,846. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. PURDY, a citizen of the United States, residing at Corsica, in the county of Jefferson and State of Pennsylvania, have invented a new and useful Music-Leaf Turner, of which the following is a specification.

My invention relates to leaf-turning devices, and has for its object to provide a simple, inexpensive, and efficient device adapted to be operated with facility and rapidity and capable of turning a plurality of leaves in succession without readjustment.

Further objects and advantages of the invention will appear in the following description, and the novel features of the invention will be particularly pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of a device embodying my invention. Fig. 2 is a bottom plan view of the same. Fig. 3 is a detail view in perspective of one of the releasing-keys. Fig. 4 is a detail view of one of the turning-arms. Fig. 5 is a detail view of the catches and release-keys.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a desk having a folding leaf 2, which is hinged to the body portion of the desk and is adapted for use under conditions when it is necessary to fold the desk into a small space, as when the instrument with which it is connected is closed. The line of folding is shown at 2^a. Attached to the ledge 3 upon which the book or sheet of music is adapted to rest are the pivotal holding-springs 4, and attached to the desk near the top is a similar center holding-spring 5, adapted to engage the center or crease of a book or music-sheet.

Coaxially mounted upon the ledge at the bottom of the desk are the turning-arms 6, of different lengths and any desired number, two being illustrated in the drawings. These arms are provided concentric with their pivotal points with drums 7, to which are connected the ends of the contractile springs 8, arranged, preferably, in rear of the desk and attached at their outer ends to the tension keys or pins 9. Attached at their upper ends to the desk, near the top thereof, are pairs of

10, one pair for each turning-arm, and the lower ends of these cords are provided with knots for engagement with bifurcations 11 in the free ends of the turning-arms. Inasmuch as these cords are detachably secured to the ends of the turning-arms they may be disengaged therefrom when arranging the device upon a book or music-sheet, in order that the several leaves to be turned may be arranged, respectively, between the members of pairs of cords, after which they are re-engaged with the arms.

Located at suitable points upon the ledge of the desk are shouldered catches 12 for engagement, respectively, with the turning-arms when they are moved to the positions shown in Fig. 1, and located, respectively, adjacent to said catches are the releasing-keys 13 to disengage the arms from the catches successively as it is desired to turn the leaves of the book. The releasing-keys consist of flat or leaf springs 14, secured at their lower ends firmly to the desk, and shanks 15, attached to said springs near their free ends and terminating in flat finger-holds 16.

To adjust the apparatus for operation, the book is opened to the proper page and the leaves which are to be turned successively are engaged, respectively, between the cords of the several turning-arms, each pair of cords being engaged with its arm as the adjustment is completed, and each arm being at once swung over to its operative position and engaged with its respective catch. During the progress of the performance, as the several pages should be turned, the performer presses the several releasing-keys in succession, thus disengaging the turning-arms from their catches and allowing them to be turned to the opposite position by means of the actuating-springs provided for that purpose.

It will be understood that in practice various changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having described my invention, I claim—

The combination with a desk, of turning arms provided with partially rotatable co-axially mounted drums, rotatable tension pins spaced from said drums, springs attached at one end to the drums and at the other end to

the tension pins, catches 12 to engage said turning-arms, respectively, and releasing keys having leaf-springs 14 arranged at their free ends in operative relation with the turning-arms when the latter are engaged by said catches, and shanks connected to said leaf-springs and terminating in finger-holds, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM B. PURDY.

Witnesses:

W. C. PURDY,
E. C. PURDY.