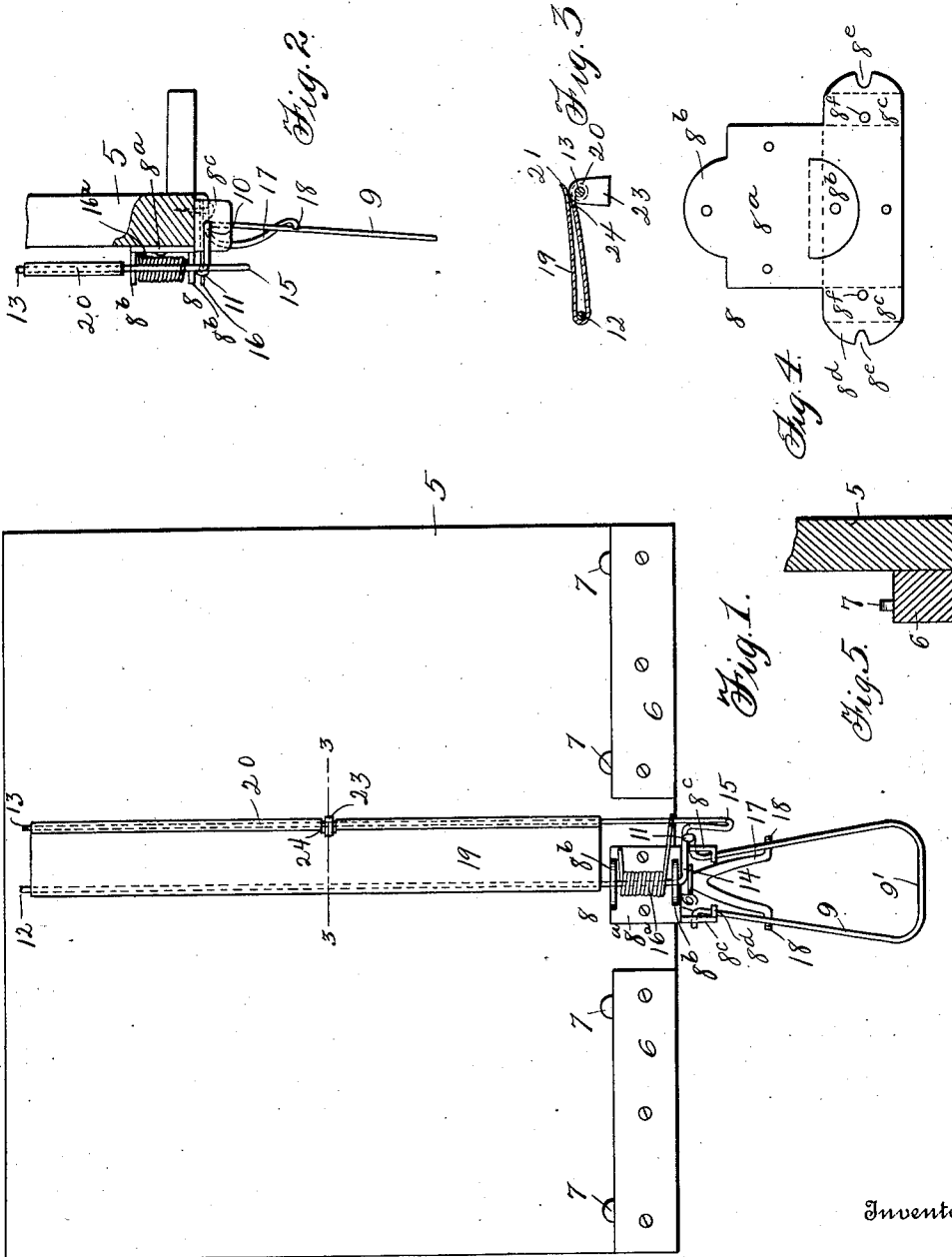


E. R. SMITH.
MUSIC LEAF TURNER.
APPLICATION FILED APR. 3, 1911.

1,012,732.

Patented Dec. 26, 1911.



Witnesses
A. Murray.
J. B. Conway

Inventor
Eugene R. Smith
By Shepherd & Campbell
Attorneys

UNITED STATES PATENT OFFICE.

EUGENE R. SMITH, OF MENLO, KANSAS.

MUSIC-LEAF TURNER.

1,012,732.

Specification of Letters Patent.

Patented Dec. 26, 1911.

Application filed April 3, 1911. Serial No. 618,585.

To all whom it may concern:

Be it known that I, EUGENE R. SMITH, a citizen of the United States of America, residing at Menlo, in the county of Sheridan and State of Kansas, have invented certain new and useful Improvements in Music-Leaf Turners, of which the following is a specification.

This invention relates to a music leaf turner adapted to hold and at the proper time to turn the central leaf of a piece of sheet music.

In the accompanying drawing, Figure 1 is a front view of a music leaf turner constructed in accordance with the invention, Fig. 2 is a side elevation of a portion thereof, partly in section, Fig. 3 is a horizontal section upon line 3—3 of Fig. 1, and Fig. 4 is a detail view of a blank from which the supporting bracket, hereinafter described, is formed.

Like numerals designate corresponding parts in all of the figures of the drawing.

Referring to the drawing, the numeral 5 designates a back or base board having a forwardly projecting strip 6 secured thereto which carries upturned extensions or lugs 7 to retain the back or outer leaves of a piece of sheet music. A bracket 8 is bent from the blank shown in Fig. 4. This bracket comprises a back portion 8^a from which the forwardly extending ears 8^b project. Downwardly extending ears 8^c have their lower ends intumed at 8^d, these inwardly extending portions 8^d having notches 8^e formed therein and the ears 8^c having openings 8^f formed therethrough.

The side arms of a latch member 9 pass through the notches 8^e and are then bent outwardly to pass through the openings 8^f. One of these out-turned portions terminates in a forwardly extending arm 10 having a catch 11 upon its outer end.

The holding and turning member comprises two parallel rods 12 and 13 connected at their lower ends by a horizontal connecting member 14 and a downwardly extending finger engaging loop 15. A spring 16^a surrounds that portion of the rod 12 between the extensions 8^b, in which the rod 12 is journaled and normally tends to throw the holding and turning rods toward the left. Such action is, however, normally prevented by the catch 11 engaging with the horizontal connecting member 14. The rod 12 and the parts connected thereto are sup-

ported against downward movement by a leaf spring 16, while the catch 11 is normally maintained in an elevated position by a bifurcated leaf spring 17 secured to the underside of the bracket 8 and the legs of which engage the latch 9 at 18. The holding and turning member further comprises a metallic plate 19, one edge of which is bent to tubular form and slips over rod 13 as at 20. This plate is then continued to and bent about rod 12, terminating at 21 in a free edge. The sheet of music is slipped in between the two portions of the plate and a dog 23 of rubber which engages rod 13 and lies within a cut-out portion 24 of plate 19, aids in retaining the sheet of music in place. The dog 23 is preferably formed of rubber and that portion that projects through plate 19 frictionally binds the sheet between itself and the free edge 21 of the plate. This dog being of rubber, also acts as a buffer by striking against the base 5 when the turning member flies over under the influence of spring 16.

The holding and turning member is released by a slight downward and inward pressure upon the part 9' of the latch 9. This throws portion 10 downwardly as will be readily understood and moves the catch 11 out of engagement with the horizontal connecting member 14, whereupon the spring 16 acts to throw the holding and turning member over toward the left, carrying with it the sheet of music. The free end of the dog 23 strikes against the base member 5 and acts as a buffer at the limit of movement of the holding and turning member.

It will be noted that the holding and turning member comprising rods 12 and 13 and plate 19, is supported entirely from its lower end. In other words, it has no journaled connection with the support at its upper end. This permits the ready slipping of the back portion of the sheet music into position behind this holding and turning member so that this back portion of the sheet music will lie in proper position with relation to the holding and turning member when the loose leaf of the sheet music is engaging with said holding and turning member.

From the foregoing description, it will be seen that simple and efficient means are here-in provided for accomplishing the objects of the invention, but while the elements shown

and described are well adapted to serve the purposes for which they are intended, it is to be understood that the invention is not limited to the precise construction set forth, but includes within its purview such changes as may be made within the scope of the appended claims.

Having described my invention, what I claim is:

10 1. A music leaf turner comprising a support, a pair of spaced rods, a bracket mounted at the bottom of said support, one of said spaced rods being journaled in said bracket, the other of said rods being spaced from
15 said support throughout its length, a spring normally tending to bodily swing one of said rods about the other, and a manually operable latch member for holding said rods against movement.

20 2. In a device of the character described, the combination with a base board, of a bracket secured thereto, said bracket comprising a pair of outstanding ears and a pair of downturned ears, a holding and turning
25 member comprising a pair of substantially parallel spaced rods, a connecting member connecting said rods, said connecting member comprising a horizontal portion and a downwardly extending finger engaging loop,
30 a detent member pivoted in the downwardly extending ears of the bracket and comprising a portion adapted to engage and hold the horizontal portion of said connecting member, a spring encircling one of said rods
35 and terminating in an arm which engages the other of said rods, a music leaf engaging member extending substantially the full length of said rods, and means for holding said detent in an elevated position to engage
40 said horizontal connecting member.

3. In a device of the character described, the combination with a base board, of a bracket secured thereto, said bracket comprising a pair of outstanding ears and a
45 pair of downturned ears, a holding and turning member comprising a pair of substantially parallel spaced rods, a connecting member connecting said rods, said connect-

ing member comprising a horizontal portion and a downwardly extending finger engaging loop, a detent member pivoted in the downwardly extending ears of the bracket and comprising a portion adapted to engage and hold the horizontal portion of said connecting member, a spring encircling
55 one of said rods and terminating in an arm which engages the other of said rods, a music leaf engaging member extending substantially the full length of said rods, and means for holding said detent in an elevated position to engage said horizontal connecting member, said means comprising a Y-shaped leaf spring connected to said bracket, the legs of said spring engaging said detent member at their terminal portions.
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4. A music leaf turner, comprising a support comprising a pair of spaced rods, a connecting member connecting said rods at their lower ends, said connecting member comprising a horizontal portion and a downwardly extending loop, a plate bent into engagement with one of said rods at one of its edges, and being extended to and about the other of said rods and terminating in a free edge.
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5. A music leaf turner comprising a support, a pair of spaced rods, a connecting member connecting said rods at their lower ends, said connecting member comprising a horizontal portion and a downwardly extending loop, a plate bent into engagement with one of said rods at one of its edges, and being extended to and about the other of said rods and terminating in a free edge, and a music leaf engaging dog pivoted upon
85 one of said rods and extending through one side of said plate and co-acting with the opposite side of said plate to hold a sheet of music in position.

In testimony whereof I affix my signature 90 in presence of two witnesses.

EUGENE R. SMITH.

Witnesses:

LEE R. CUMMINS,
O. E. CHANEY.