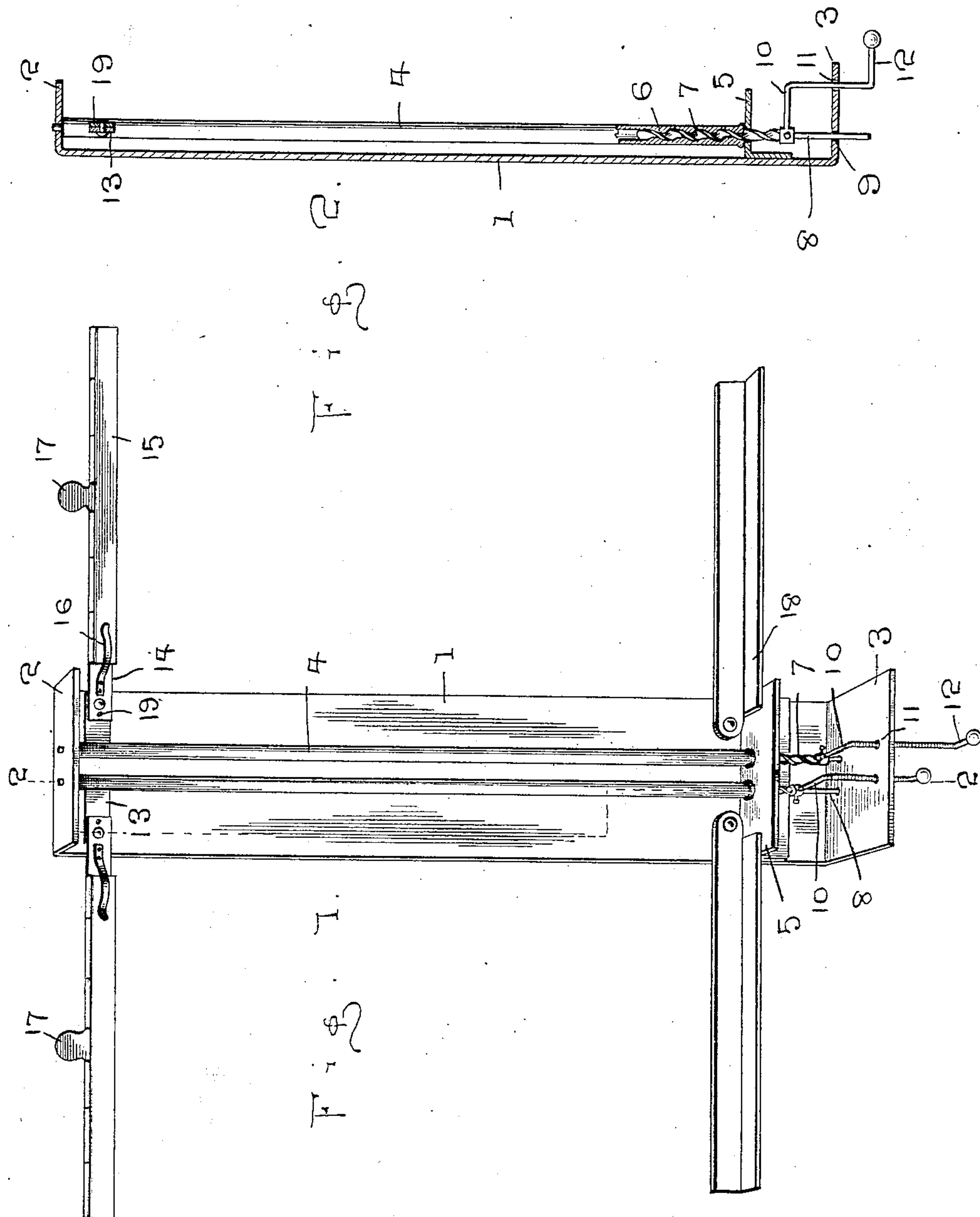


H. T. E. COVERT.
MUSIC LEAF TURNER.
APPLICATION FILED OCT. 27, 1908.

931,572.

Patented Aug. 17, 1909.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HAROLD T. E. COVERT, OF CALVIN, NORTH DAKOTA.

MUSIC-LEAF TURNER.

No. 931,572.

Specification of Letters Patent.

Patented Aug. 17, 1909.

Application filed October 27, 1902. Serial No. 459,718.

To all whom it may concern:

Be it known that I, HAROLD T. E. COVERT, a citizen of the United States, residing at Calvin, in the county of Cavalier and State of North Dakota, have invented certain new and useful Improvements in Music - 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.

My invention relates to new and useful improvements in music leaf turners and my object is to provide means for engaging the upper edges of the sheets of music.

A further object is to provide means for quickly swinging said engaging means on their pivots whereby opposite sides of the sheets will be exposed and a still further object is to provide a rest for the lower edges of the sheets.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings which are made a part of this application, Figure 1 is a perspective view of my improved music leaf turner complete, and, Fig. 2 is a sectional view thereof, as seen on line 2—2, Fig. 1.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates the frame of my improved music leaf turner, which preferably consists of a flat piece of metal having angular extensions 2 and 3 at its upper and lower ends, respectively, the extension 2 forming a bearing for rods 4, while the lower ends of said rods rest upon a shelf 5 secured to the frame 1 adjacent its lower end. The rods 4 are preferably hollow and are provided adjacent their ends with interiorly disposed threads 6, with which are adapted to cooperate worms 7, the lower ends of said worms terminating in shanks 8, which extend through openings 9 in the extension 3 and by holding said worms against rotation and moving the same vertically, the rods 4 will be caused to rotate. The shanks 8 of the worms have fixed thereto arms 10, which arms extend outwardly and downwardly from the shanks and through openings 11 in the extension 3, the extreme lower ends of said arms terminating in horizontally disposed handles 12, whereby the arms may be readily grasped and raised or lowered to rotate the rods, the handles being

extended to a point adjacent the keys of the piano, whereby the arms may be readily and quickly operated without moving the hands any great distance from the key board.

Fixed to the rods 4 adjacent their upper ends, are arms 13, to the ends of which are pivotally secured bars 14, which bars may be extended to a horizontal position or folded downwardly in alinement with the rods 4 and in view of the fact that the combined length of said arms 13 is less than the width of the frame 1, the bars 14 will be folded over the frame 1 when said bars are in their lowered positions.

Hingedly secured to the upper edges of the bars 14 are clamping plates 15, which plates are adapted to engage the sheets of music and cause said sheets to swing with the bars when the rods 4 are rotated, the lower edges of said plates being forced into engagement with the bars 14 in any preferred manner as by means of springs 16 and in order to readily swing the clamping plates away from the bars to introduce the sheets of music, thumb pieces 17 are extended upwardly from the central portion of the clamping plates and are in position to be readily grasped to operate the clamping plates.

Pivotally secured to the frame 1 adjacent the shelf 5 are supports 18, upon which the lower edges of the sheets of music are adapted to rest, said supports being so arranged that they may be swung upwardly and over the frame 1 or extended outwardly to receive the sheets of music, the shelf 5 forming a stop for the supports and holding the same in a horizontal position.

In applying my improved device to use, the frame 1 is placed at a suitable point upon the piano and the bars 14 and supports 18 swung outwardly from over the frame and into a horizontal position, the bars 14 being held extended by introducing pins 19 or the like through the pivoted ends of the bars and the arms to which they are secured. The sheets of music are then introduced between the clamping plates and bars to which they are secured and both of the bars turned to one side of the frame, the lower edges of the sheets resting upon one of the supports 18. As soon as the first page of the first sheet of music has been played, the operator grasps the arm nearest the left edge of the frame and moves the same upwardly and through the medium of the worm and the threads in the shaft will rotate said shaft and swing the

bar carried thereby to the left and expose the opposite side of the sheet of music and should the music cover both sides of the next sheet, the opposite side of the second sheet may be exposed by raising the next succeeding arm upwardly and rotating the rod cooperating therewith.

While I have shown and described the invention as being employed for turning sheet music, it will be readily understood that it may be employed for turning the leaves of books as well as for sheet music and it will further be seen that more than two of the rods may be employed if so desired. It will likewise be seen that in view of the simplicity of the turning device the same may be very cheaply constructed and can be folded into compact form when not in use.

What I claim is:

1. In a music leaf turner, the combination with a frame having angular extensions at each end thereof and a shelf adjacent the lower end of said frame; of hollow rods rotatably mounted between the shelf and upper extension, the lower ends of said rods having threads therein, worms entering said rods and engaging said threads, arms adapted to

hold said worms against rotation and move the same vertically when the arms are operated, means on said rods adapted to engage sheets of music and additional means to support the lower edges of the sheets of music.

2. In a music leaf turner, the combination with a frame having an angular extension at the upper and lower ends thereof and a shelf adjacent the lower end of the frame of hollow rods rotatably mounted between said shelf and the upper extension, means entering the lower ends of said rods adapted to move vertically and rotate the rods, arms fixed to said rods, bars pivotally secured to the arms, means carried by the bars adapted to engage sheets and clamp the same against the bars and supports pivotally secured to the frame adjacent said shelf.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HAROLD T. E. COVERT.

Witnesses:

C. A. FISH,
WM. KYLE.