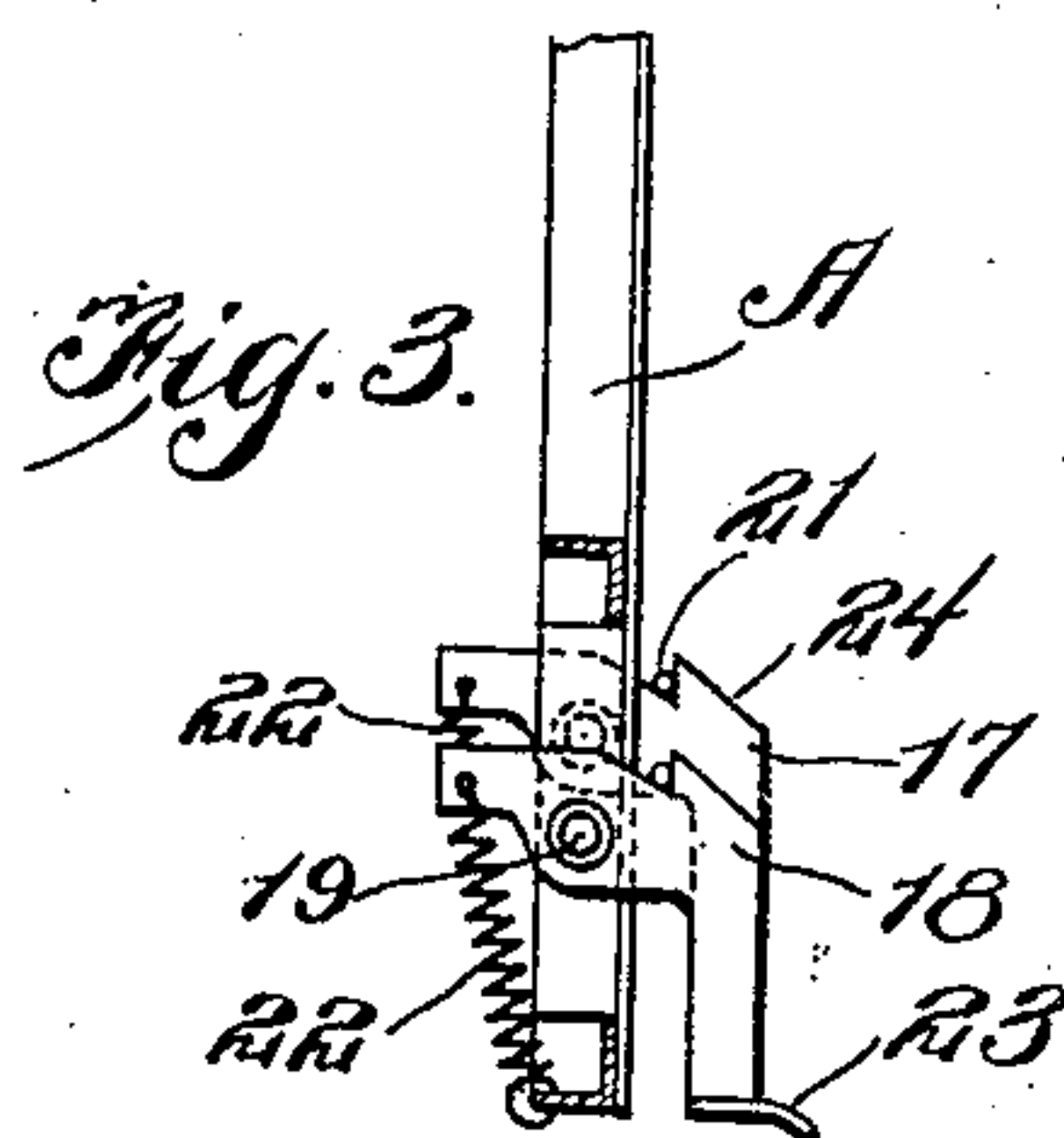
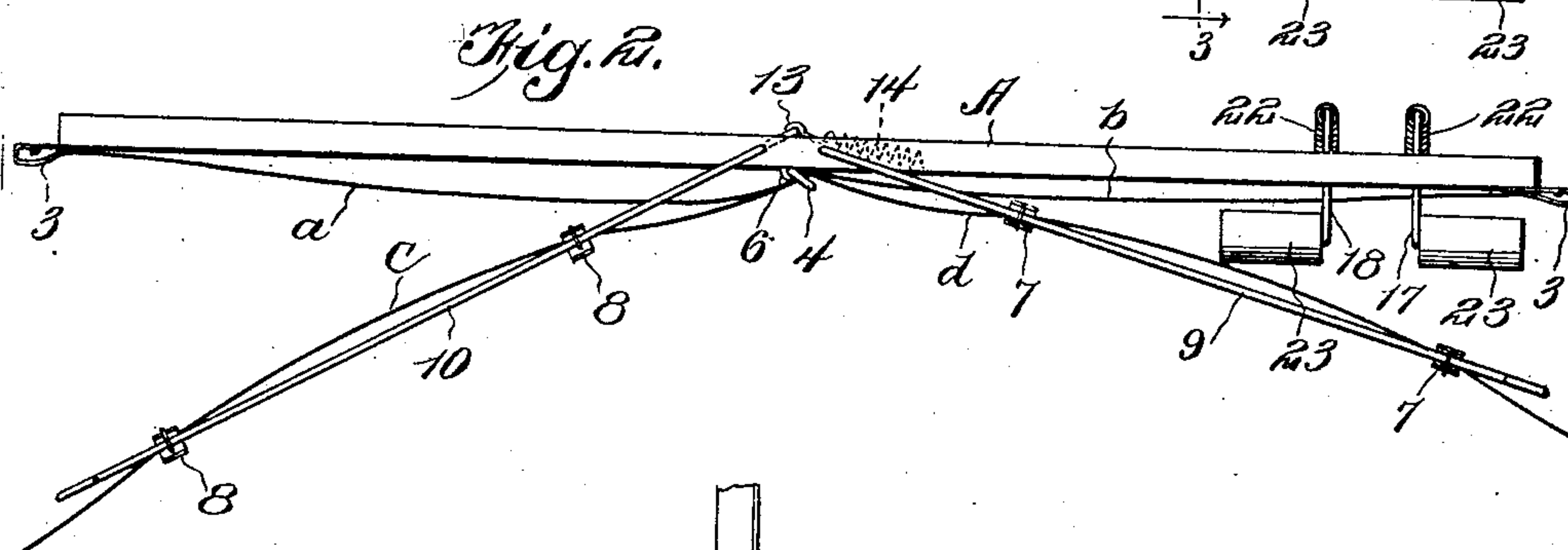
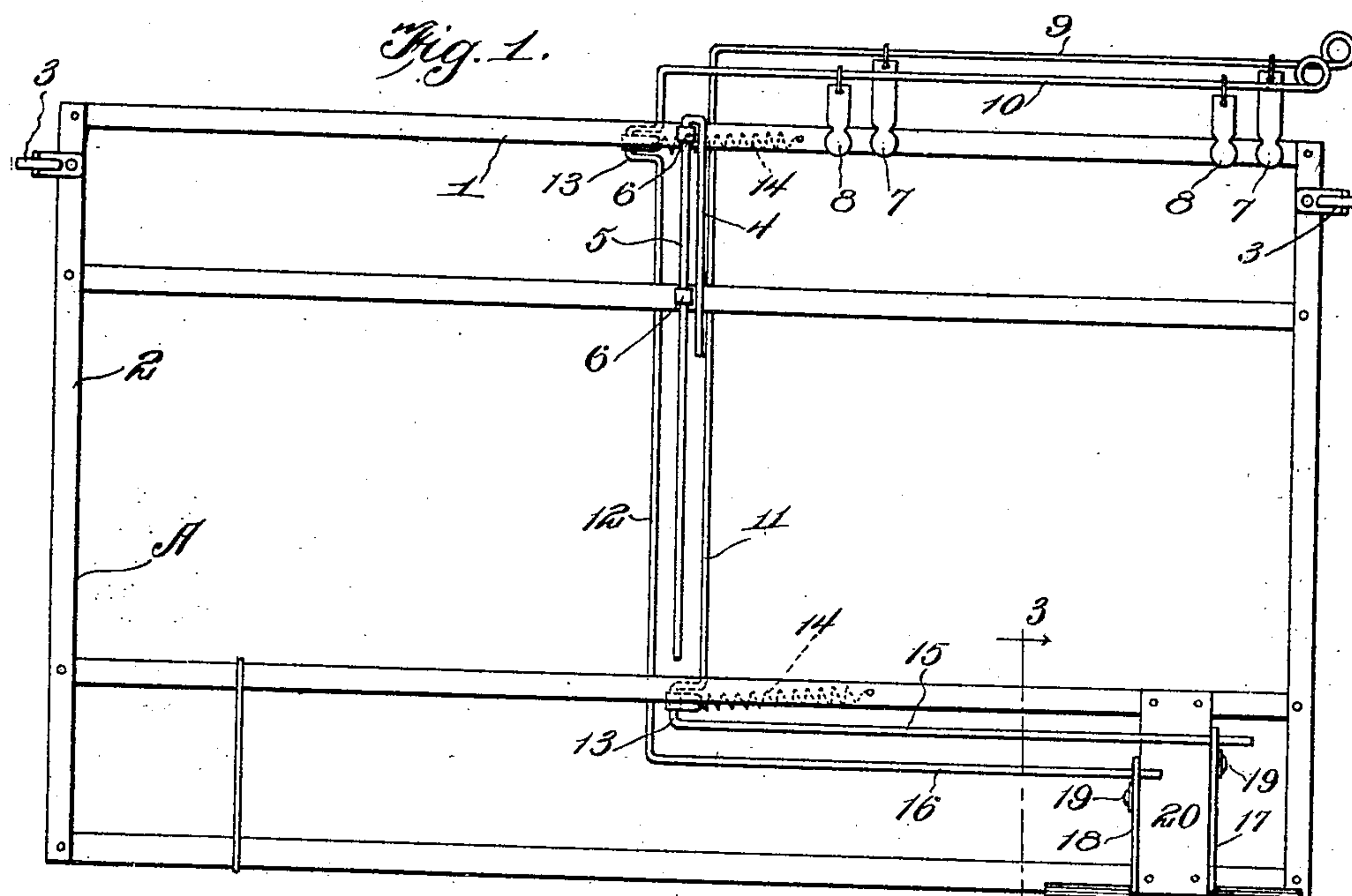


S. B. THOMPSON.  
MUSIC LEAF TURNER.  
APPLICATION FILED MAY 20, 1908.

919,978.

Patented Apr. 27, 1909.



Witnesses

Louis R. Heinrichs.  
C. Bradway.

Inventor  
Samuel B. Thompson

By Victor J. Evans  
Attorney



# UNITED STATES PATENT OFFICE.

SAMUEL B. THOMPSON, OF ROSSMOYNE, OHIO.

## MUSIC-LEAF TURNER.

No. 919,978.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed May 20, 1908. Serial No. 433,837.

*To all whom it may concern:*

Be it known that I, SAMUEL B. THOMPSON, a citizen of the United States, residing at Rossinoyne, in the county of Hamilton and State of Ohio, have invented new and useful Improvements in Music-Leaf Turners, of which the following is a specification.

This invention relates to a music leaf turner of that type in which the leaves to be turned are connected by means of clasps to swinging arms that are successively released by pedals or keys so located that the performer can easily and conveniently turn the leaves without stopping the playing.

The invention has for one of its objects to improve and simplify the construction and operation of apparatus of this character so as to be comparatively easy and inexpensive to manufacture, reliable and efficient in use, and of durable and substantial design.

Another object of the invention is the provision of a plurality of swinging leaf-turning frames or arms that are actuated by springs and are adapted to be independently released by key-operated triggers for permitting the leaves to be turned without perceptibly interfering with the playing.

With these objects in view and others, as will appear as the description proceeds, the invention comprises the various novel features of construction and arrangement of parts which will be more fully described hereinafter and set forth with particularity in the claim appended hereto.

In the accompanying drawing, which illustrates one embodiment of the invention, Figure 1 is a front view of the apparatus showing the leaf-turning elements in set position. Fig. 2 is a plan view showing the leaf-turning elements or arms in different positions after being released to illustrate the details of construction more clearly. Fig. 3 is a section on line 3—3, Fig. 1.

Similar reference characters are employed to designate corresponding parts throughout the several views.

Referring to the drawing, A designates the frame of the apparatus which may be of any approved construction and is composed, in the present instance, of a skeleton framework of horizontal bars 1 connected to end bars 2. This frame, which constitutes a rest for the music, may be mounted on a stand or may be placed on the music holder of a piano or organ. On the end bars 2 are clasps 3 for fastening the first and last leaves of the sheet

music to the frame, and the music is held in place at the center of the frame by a depending finger 4 that is connected at its upper end to the upper end of the vertical rod 5 which is slidably mounted in eyes 6, the sheet music being opened and slipped under the finger 4 in the act of placing the music in position on the frame A.

The intermediate leaves of the music are attached by clasps 7 and 8 to swinging leaf-turning elements or arms 9 and 10 that are disposed at such a point that the clasps can grip the leaves adjacent the upper edges thereof. The arms 9 and 10 are attached to the upper ends of vertical shafts 11 and 12 journaled in openings in the upper and two intermediate cross bars 1 of the frame A and each having a crank 13 to which is connected a spring 14. On the lower ends of the shafts are horizontal arms 15 and 16 that are engaged by triggers 17 and 18, respectively. These triggers are pivoted at 19 to side flanges on a supporting plate 20 attached to the frame A at the right hand lower corner thereof, and each trigger has a notch 21 for receiving the extremity of the lower arm of each shaft. The triggers or catches 17 and 18 are held in normal position by springs 22 each connected at one end to a trigger and at the opposite end to a suitable part of the frame A. On the lower ends of the triggers are keys 23 whereby the player can conveniently depress the triggers independently so as to permit a leaf of music to be turned.

In practice, the sheet music is applied to the apparatus by first securing the first and last sheets or leaves *a* and *b* to the frame by the clasps 3, after which the finger 4 is adjusted to engage between the second and third sheets *c* and *d*. The leaf *d* is next attached to the arm 9 by the clasps 7, while the arm is at the left. This arm, together with the leaf, is turned to the right to set position and during this movement, the free end of the arm 15 engages the inclined surface 24 of the catch or trigger 17, whereby the latter is depressed to permit the said arm to engage in the recess 21 of such trigger. The leaf *c* is next attached to the leaf-turning element 10 and the latter swung to the right and automatically set by means of its trigger 18 engaging the lower arm 16. With the parts in this position, the music turner is set so that the first two pages can be played, and when the end of the second page is reached, the player depresses the key of trigger 18 so as to



release the latter from the arm 16 for permitting the leaf-turning element 10 to be swung to the left by the contraction of the spring connected with the crank of the shaft 12. It  
5 will be noted that when the leaf-turning elements are swung to the right for setting the same, the springs 14 will be extended or placed under tension. When the end of the fourth page is reached, the player depresses  
10 the other key for releasing trigger 17, whereupon the third page is turned. In the present instance, only two leaf-turning elements are shown, but it is to be understood that any other desired number may be employed.

15 From the foregoing description, taken in connection with the accompanying drawing, the advantages of the construction and of the method of operation will be readily apparent to those skilled in the art to which the invention appertains, and while I have described  
20 the principle of operation of the invention, together with the device which I now consider to be the best embodiment thereof, I desire to have it understood that the device  
25 shown is merely illustrative, and that such changes may be made when desired as are within the scope of the appended claim.

Having thus described the invention, what I claim is:—

30 The combination of a frame consisting of spaced horizontal cross-bars connected at their ends by vertical bars, a plurality of ver-

tically-disposed shafts mounted on certain of the horizontal bars, arms on the upper ends of the shafts, leaf-engaging clips loosely  
35 mounted on the said arms, cranks connected with the shafts, springs connected with the cranks and with the supporting structure, horizontally-disposed arms connected with  
40 the lower ends of the shafts and arranged one above another, a plate secured to the supporting structure adjacent the lower right hand corner, triggers pivoted at opposite  
45 edges of the plate and disposed one higher than another for engaging the lower arms respectively, said triggers extending rearwardly from their pivots, springs connected  
50 with the rear ends of the triggers and connected with the supporting structure for holding the forward ends of the triggers raised, said triggers having notches for receiving the lower arms and each beveled in  
front of the notches for readily guiding the arms into the latter, and a key connected  
55 with each trigger for depressing the same when releasing one of the lower arms to turn a leaf of the music.

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

SAMUEL B. THOMPSON.

Witnesses:

OSCAR W. KUHN,

MARY A. MANN.