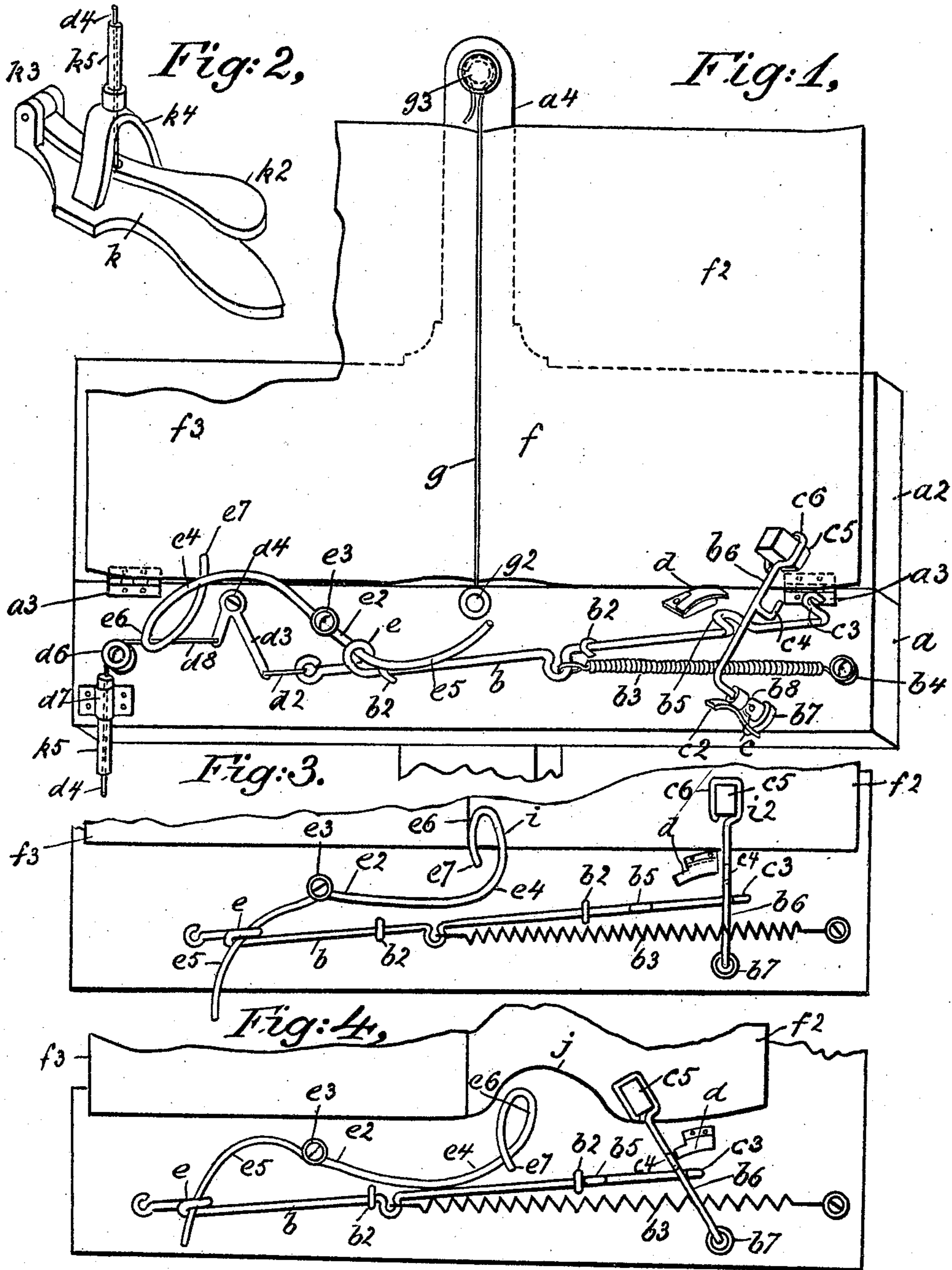


A. BISSIRI.
SHEET MUSIC TURNER.
APPLICATION FILED FEB. 7, 1906.



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UNITED STATES PATENT OFFICE.

AUGUSTO BISSIRI, OF NEW YORK, N. Y.

SHEET-MUSIC TURNER.

No. 834,874.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, AUGUSTO BISSIRI, a subject of the King of Italy, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Sheet-Music Turners, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to devices for turning sheet-music; and the object thereof is to provide an improved device of this class which may be used on a piano or any other musical instrument of this class and also on a music-stand, a further object being to provide a device of this class by which sheet-music may be conveniently turned either by foot or by hand; and with these and other objects in view the invention consists in a device of the class specified constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a front perspective view of a sheet-music-turning device constructed according to my invention; Fig. 2, a perspective view of a part of the operating mechanism employed when the device is to be operated by the foot; Fig. 3, a front view of the bottom part of the device, but showing only a part of the operating device and showing said device in a position different from that shown in Fig. 1; and Fig. 4, a view similar to Fig. 3, but showing the parts thereof in a still different position.

In the practice of my invention I provide a support or holder comprising a plate or board *a*, which in the form of construction shown is composed of two parts, the upper part, *a*², thereof being hinged to the bottom part at *a*³, and the top part *a*² is provided centrally in the form of construction shown, with an upwardly-directed arm *a*⁴. Mounted on or connected with the bottom part of the plate or board *a* is a rod or bar *b*, which ranges longitudinally thereof and is movable longitudinally thereof and is passed through keepers *b*², by which it is held in proper position, and connected with said rod or bar centrally thereof is a spring *b*³, which is secured to the right end portion of said plate or support, as

shown at *b*⁴, and said spring normally holds the rod or bar *b* at the limit of its movement to the right. The right-end portion of the rod or bar *b* is provided at a predetermined distance from the end thereof with an outwardly-directed member *b*⁵, adapted to engage an angular arm *b*⁶, pivoted to the bottom portion of the plate or board *a* at *b*⁷, so as to rotate freely in said plate or board, and said arm is provided at *b*⁸ with a knuckle-joint, by means of which it is also capable of outward and inward movement, and secured at *c* is a spring *c*², which normally holds said arm in the position shown in Fig. 1. The right end of the rod or bar *b* is also provided with an outwardly-directed member *c*³, which in the operation of the device engages the arm *b*⁶ to move it to the left, and said arm *b*⁶ is provided at a predetermined distance from its free end with an angular device *c*⁴ and at the free end thereof with a friction-head *c*⁵, preferably composed of rubber and held in position by being inserted into a ring or eye *c*⁶ at the end of said arm.

Secured to the bottom portion of the plate or board *a* over the right-end portion of the rod or bar *b* is a curved guide-piece *d*, in connection with which the angular device *c*⁴ of the arm *b*⁶ operates, as hereinafter described. The left-end portion of the rod or bar *b* is connected by a link *d*² with one part of a crank-arm *d*³, pivoted at *d*⁴, and with the other part of which is connected a wire, cord, or similar device *d*⁸, which passes around a pulley and through a keeper *d*⁷ and by which the music-sheet-turning device is operated, as hereinafter described. The rod or bar *b* is provided adjacent to the left end thereof with an eye *e*, through which is passed an arm *e*², pivoted at *e*³, and said arm comprises a longer end *e*⁴ and a shorter end *e*⁵, and in the normal position of the parts the end *e*⁴ projects upwardly and to the left, while the end *e*⁵ projects downwardly and to the right, and said end *e*⁴ is provided with a loop member *e*⁶, forming a hook portion *e*⁷, while the end *e*⁵ is curved slightly, as shown.

In practice a sheet of music is placed on the portion *a*² of the support, as shown, and a cord or similar device *g* is connected with the bottom portion of the support *g*² and carried upwardly transversely of the sheet of music and secured to the arm *a*⁴ at *g*³. The cord *g* divides the sheet of music into separate leaves *f*² and *f*³, or said cord may be used for holding bound music or sin-

gle sheets or for any similar purposes, the separate leaves of which for the purpose of this description are designated by the reference characters f^2 and f^3 .

5 The operation of this device will be readily understood from the foregoing description when taken in connection with the accom-
panying drawings and the following state-
ment thereof: The music being connected
10 with the support, as herein described, if it is desired to turn the sheet or leaf f^2 to the left the wire or cord d^4 is pulled downwardly slightly, and this operation throws the vari-
ous parts of the device into the position
15 shown in Fig. 3, in which position the loop member e^6 of the arm e^2 bears on the sheet or leaf f^2 at i , and at this time the rubber head c^5 has begun to bear on said sheet or leaf at i^2 .
A continued pull on the wire or cord d^4 will
20 now throw the arm d^6 into the position shown in Fig. 4, and this operation moves the sheet or leaf f^2 into the position shown in Fig. 4 and forms a loop or bend j in said sheet or leaf, and at the same time the end e^4 of the
25 arm e^2 has continued its movement and passes off of the sheet or leaf f^2 and places itself directly in front of the loop or bend j , formed in said sheet or leaf. If now the pull on the cord or wire d^4 be released, the spring
30 b^3 will at once throw the parts back into the position shown in Fig. 1, and in this operation the arm b^6 passes to the right and the angular member c^4 passes over the guard d , thereby raising the rubber head c^5 off of the
35 sheet or leaf f^2 , and at the same time the loop member e^6 of the arm e^2 passes under the loop or bend j , and in the return movement of said arm into the position shown in Fig. 1 the sheet or leaf f^2 is turned to the left.

40 In the movement of the arm b^6 from the position shown in Fig. 1 to the position shown in Fig. 4 the angular member c^4 of said arm passes under the guide d ; but in the re-
turn movement of said arm into the position
45 shown in Fig. 1 said angular member c^4 passes over said guide.

As herein described, the wire or cord d^4 may be operated by hand, or it may be oper-
ated by a pedal placed on the floor, and in
50 Fig. 2 I have shown a device of this kind comprising a base-plate k , having a pedal k^2 , pivoted to one end thereof at k^3 , and the base plate k is provided with a transverse yoke k^4 , and in practice I secure to the yoke k^4 a flexi-

ble tube k^5 , which is also secured in the
keeper d^7 , and the wire or cord d^4 is passed
therethrough. The flexible tube k^5 is not,
however, necessary in any case, but may be
employed when required.

This device is simple in construction and
operation and perfectly adapted to accom-
plish the result for which it is intended, and
said device may also be used, as hereinbefore
described, in any position or relation in which
such devices are required.

Having fully described my invention, what
I claim as new, and desire to secure by Let-
ters Patent, is—

1. A music-sheet-turning device, compris-
ing a support, a rod movable longitudinally
thereof, means for moving said rod in oppo-
site directions, an angular arm pivoted below
one end portion of and crossing said rod and
capable of different movements, said arm be-
ing provided with a head adapted to bear
75 on a sheet of music placed on said support, and another arm pivoted above the other end
portion of said rod and in operative connec-
tion therewith and adapted to be moved in
two directions thereby, said arm being adapt-
80 ed at one end to engage a sheet of music in one position thereof, substantially as shown and described.

2. In a sheet-music-turning device, a sup-
port, a rod movable longitudinally thereof,
means for moving said rod in opposite direc-
tions, an angular arm pivoted below one end
portion of said rod and adapted to be moved
thereby in opposite directions and provided
with a rubber head adapted to bear on a
90 sheet of music placed on said support, an-
other arm pivoted adjacent to the other end
portion of said rod and comprising a longer
and shorter end, the shorter end portion be-
ing in operative connection with said rod,
95 and the longer end portion thereof being provided with a device adapted to engage a sheet of music in one position thereof, substantially as shown and described.

In testimony that I claim the foregoing as
my invention I have signed my name, in
presence of the subscribing witnesses, this
6th day of February, 1906.

AUGUSTO BISSIRI.

Witnesses:

C. E. MULREANY,
F. A. STEWART.