(No Model.)

A. KEMPER.

MUSIC LEAF TURNER.

No. 351,604. Patented Oct. 26, 1886.

FIG. 1.

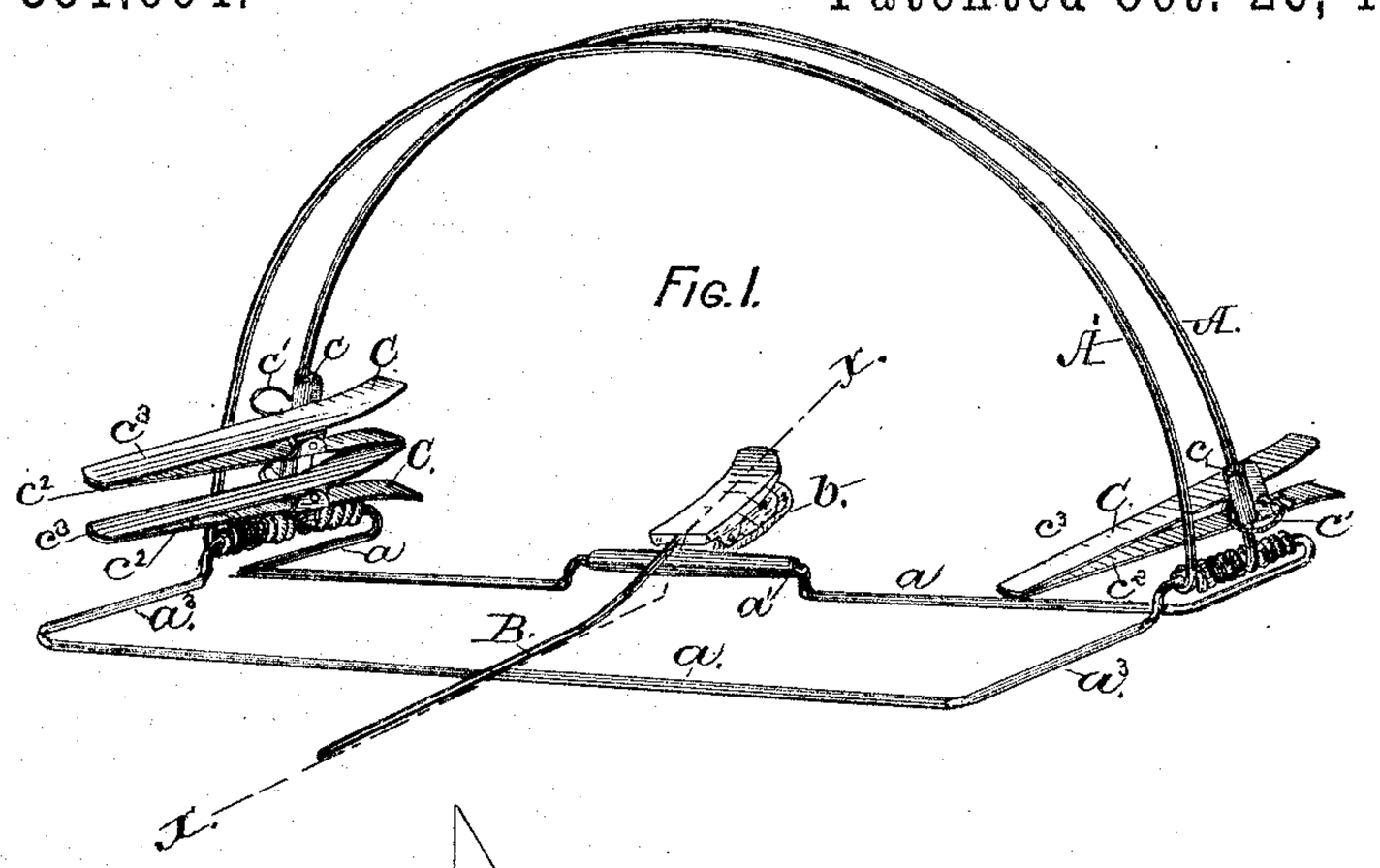

FIG. 2.

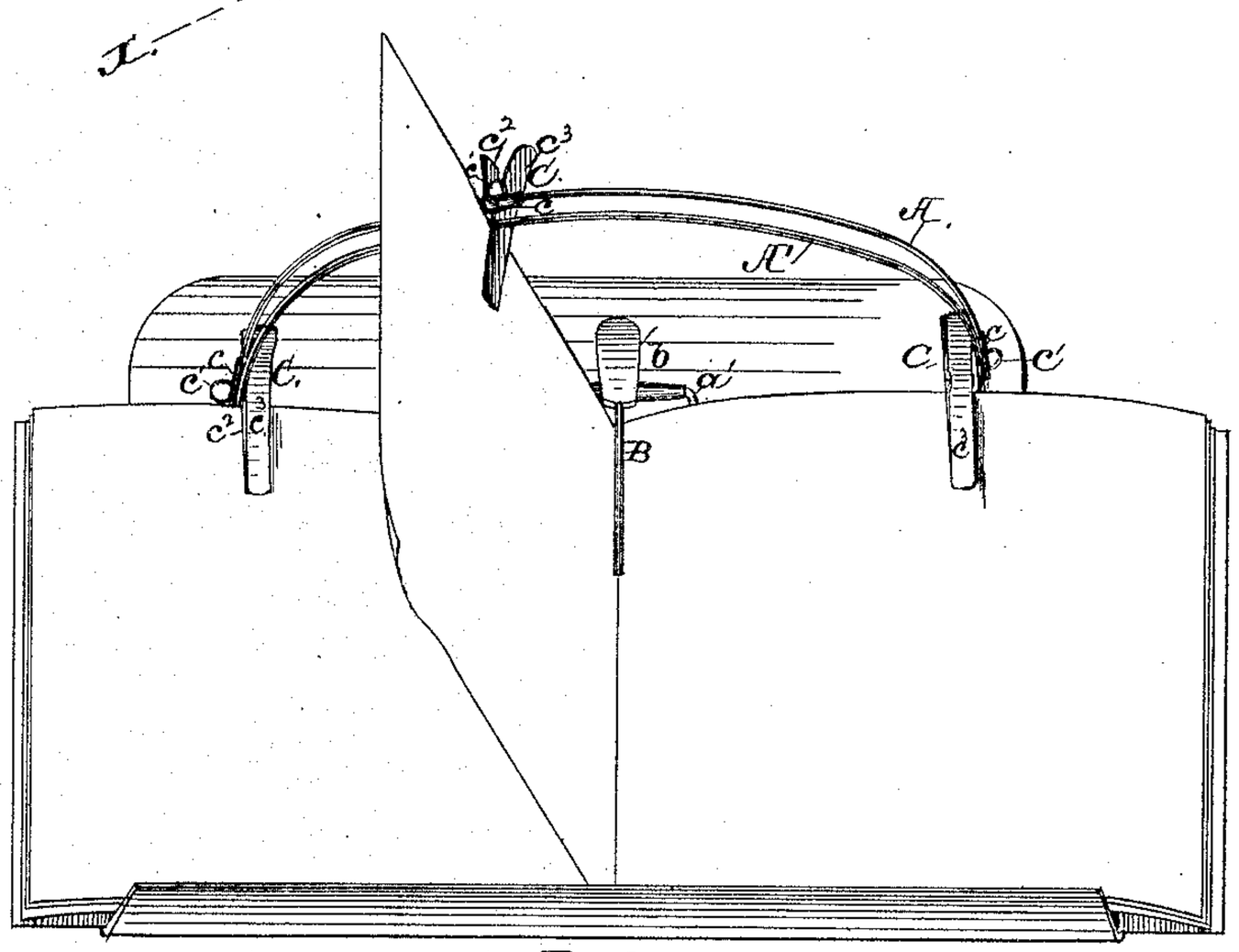

FIG. 4.

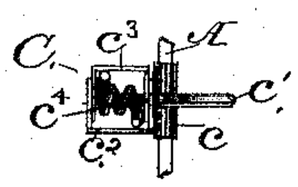

FIG. 3.

Witnesses:

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MUSIC-LEAF TURNER.

SPECIFICATION forming part of Letters Patent No. 351,604, dated October 26, 1886.

Application filed November 27, 1885. Serial No. 184,036. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR KEMPER, of Bath-on-the-Hudson, in the county of Rensselaer and State of New York, have invented new and useful Improvements in Music-Leaf Turners, of which the following is a specification.

My invention relates to an apparatus for turning the leaves of music-books, and for retaining the book in an open condition at any required place; and it consists of a device herein shown and described, which is adapted to be fixed to a music-book in such manner that a leaf or leaves of the book can be turned over with precision and without the usual delay and confusion which occurs when the leaves are turned without such aid.

In the accompanying drawings, which are herein referred to, and form part of this specification, Figure 1 is a perspective view of my apparatus when lying down and detached from a music-book; Fig. 2, a perspective view of the apparatus attached to a music-book fixed on an inclined music-desk; Fig. 3, a vertical section at the line *x x* of Fig. 1, and Fig. 4 a detached rear end view of one of the grippers.

As shown in the drawings, the metallic frame-work of the apparatus consists of two arch-pieces, A and A′, which are connected together by means of a cross-bar, *a*, having a raised offset, *a′*, formed therein, for the purpose of forming a seat, to which the hinge-plate *b* is secured. A second cross-bar, a^2, is fixed in advance of the cross-bar *a* by means of the side bars, a^3; but both of said cross-bars lie on about the same plane.

A centering-bar, B, is jointed to the hinge-plate *b*, and when the apparatus is detached from a book said centering-bar is pressed against the foremost cross-bar, a^2, by a spring, *b′*. (Shown in Fig. 3.) The centering-bar B is adapted to lie in the crease-joint of an open book, for the purpose of correctly centering the apparatus to the book, and said centering-bar is pressed into the crease of the book by the force of the spring *b′*.

The grippers C, of which there may be any desired number, are fitted to slide on the arch-piece A, and for this purpose each of said grippers is provided with a sleeve, *c*, which is fitted to slide freely on said arch-piece, except when the gripper is pressed downward to retain the leaves in an open position, and then the sleeve *c* will become cramped on the arch-piece A′ sufficiently to prevent the gripper from sliding until a lifting pressure is applied to the handle *c′*, when the sleeve *c* will be released, so as to permit it to slide on the arch-piece A′, as before described. An eye or handle, *c′*, projects from said sleeve, and affords the means for sliding the gripper along on the arch-piece. Each gripper is composed of a fixed jaw, c^2, and a movable jaw, c^3, hinged to said fixed jaw. The inner ends of said jaws are forced together by means of the spring c^4, (shown in Fig. 4,) which is fixed between the rearmost parts of the gripper. When the apparatus is in the position shown in Fig. 2, the inner jaws of the grippers will bear against the arch-piece A′, so as to retain said grippers vertically, so that they will be in the required positions to perform their functions most effectually.

In attaching this apparatus to a book the latter is opened at the required place, the cross-bar a^2 being placed against the outside of the opened covers of the book, and the centering-bar B being placed in the crease formed between the leaves when the book is open. One of the grippers C is clasped to the leaf to be turned, and two others are fixed to bear upon the leaves at opposite sides of the book, where the latter is to remain open, as shown in Fig. 2. After the gripper is fixed to the leaf to be turned the latter is thrown back so as to expose the page containing the music to be first played, and then by means of the attached gripper the leaf can be turned at the required moment without confusion or loss of time.

While I have only shown my apparatus as arranged for turning a single leaf, it is obvious that by increasing the number of grippers it can be adapted to turn successively any number of required leaves.

I claim as my invention—

In a music-leaf turner, the combination, with arch-pieces A and A′, a cross-bar adapted to bear against the back of a book, and a spring centering-bar, B, of the grippers C, fitted to slide freely on the arch-piece A′ and to engage with the leaves of said book, as and for the purpose specified.

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Witnesses:
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