(No Model.)

C. H. NADIG.

MUSIC LEAF TURNER.

No. 526,633. Patented Sept. 25, 1894.

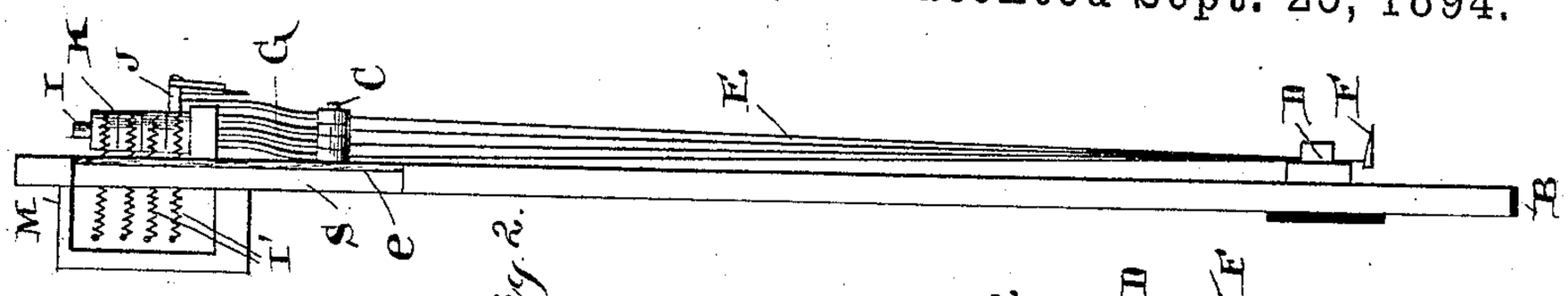

Fig. 2.

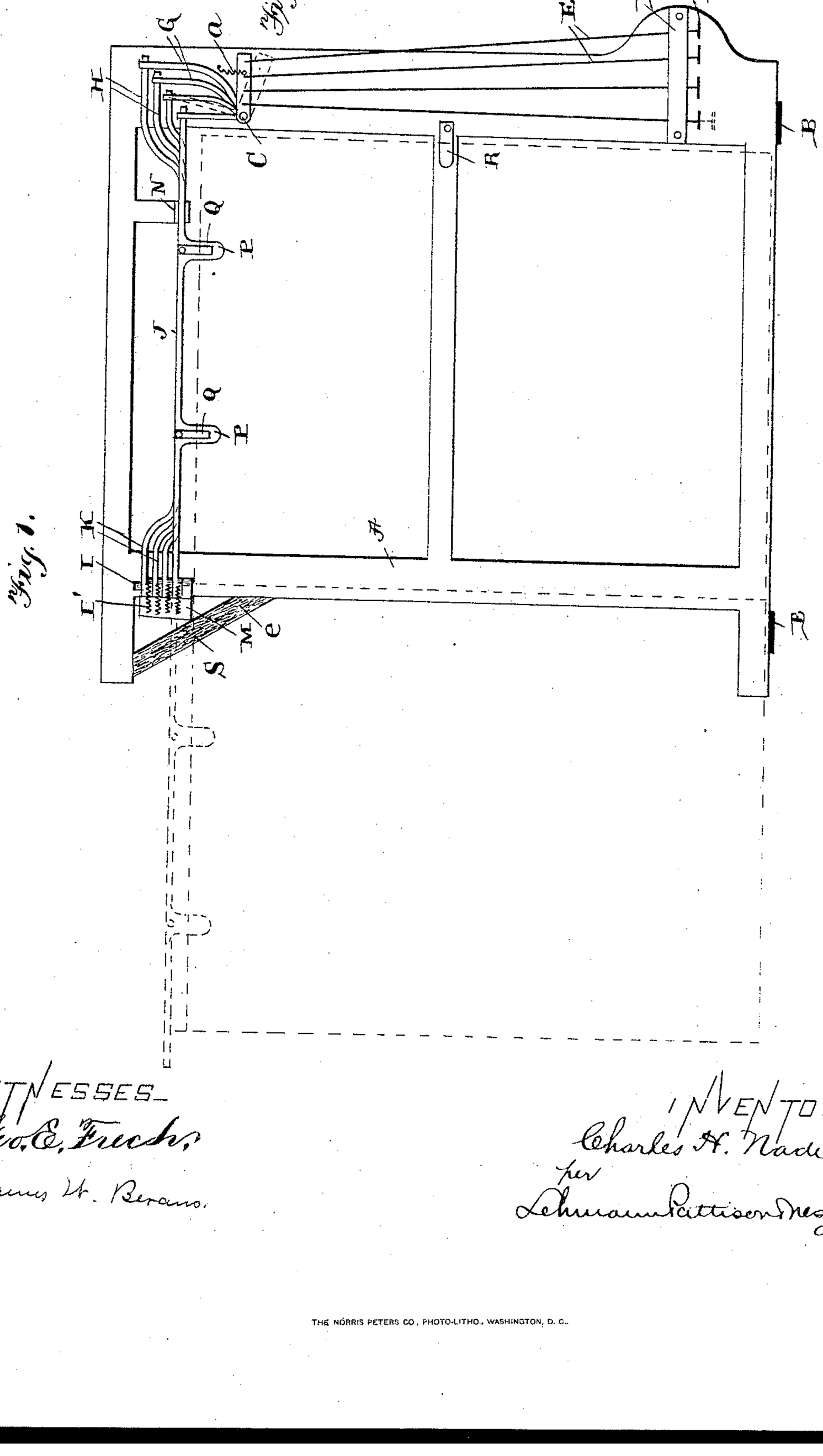

Fig. 1.

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UNITED STATES PATENT OFFICE.

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MUSIC-LEAF TURNER.

SPECIFICATION forming part of Letters Patent No. 526,633, dated September 25, 1894.

Application filed June 16, 1894. Serial No. 514,775. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. NADIG, of Allentown, in the county of Lehigh and State of Pennsylvania, 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to improvements in sheet music holders and leaf turners and it consists in the construction and combination of parts which will be fully described hereinafter and particularly pointed out in the claims.

The object of my invention is to provide a leaf turner for sheet music, the same being adapted to hold the music and by means of spring actuated arms connected with the separate sheets, turn them one at a time by the operation of a key which forms a trip or release for any desired lever, all of which will be fully described hereinafter and shown in the drawings.

In the accompanying drawings:—Figure 1 is a front elevation of a music holder which embodies my invention, the sheet of music being shown in dotted lines and one of the arms thrown back in dotted lines. Fig. 2 is an enlarged edge view of the same.

A indicates a rectangular frame made of any desired material, having at its bottom felt or rubber pieces B adapted to rest on the piano or organ, and the said frame A to be secured to the music holder of the instrument by means of a piece of ribbon or cord as may be desired. A series of bell crank levers G is pivoted at the point C, their upper arms being of varying lengths and each being curved outward as clearly illustrated, each successive one being curved beyond the preceding one for the purpose of preventing interference as clearly shown in the drawings. Connected to the horizontal portion of the bell crank levers G is a series of wires, cords or chains E which pass at their lower ends through a guide plate D and have attached thereto the keys or buttons F. A series of springs *a* has one end connected to each of the bell crank levers G, and its opposite ends connected with the frame A, so that the said levers are normally held in engagement with the free ends H of the arms J which operate the sheet of music as will appear farther on. The opposite ends of these arms J from the levers G are pivoted upon a pivotal pin or rod I, and their pivotal ends are bent or curved upward one above the other as shown in the drawings so that they may all be pivoted upon the same pivotal point without interfering with each other. A series of springs I′ is provided, one end of each spring being connected with one of the bars J, and the opposite ends of the springs being attached to a bracket M the said springs being normally contracting so that the bars J are normally drawn to the left, and normally assume the position shown in dotted lines when released by the bell crank levers G. Depending from the arms J intermediate their ends, are the ears P carrying the small springs Q by means of which the single sheets of music are attached to the respective arms as will be clearly understood. The arms J are bent downward intermediate their ends, as shown for the purpose of bringing them all in the same parallel horizontal plane to be attached to the sheets of music. If this were not so it would be very inconvenient, difficult and in many cases impossible to attach the arms to the sheets as will be readily seen. Depending from the upper end of the frame A is an arm N having guiding lips for guiding the said arms J and holding them in position when set for operation.

A spring R is secured to the frame A intermediate its ends and at the right hand side thereof for holding the back of a sheet of music to prevent it from moving over with the last sheet as would otherwise be the case.

In operation the music is placed against the frame A and each sheet secured to the respective arms J which arms are constructed of thin sheet metal and they are then held in position by means of the bell crank levers G as before described. When it is desired to release a sheet, it is only necessary to operate the key or button F at the left of the series, when the lower arm J will be instantly drawn over by its spring I and the sheet carried into the position shown by dotted lines at the left of Fig. 1. In this way each successive sheet

is turned by simply operating one of the keys F which is quickly and readily done by the operator without any interruption in the performance. A stay or brace S extends outward from the upper left hand corner of the frame A and is provided with a covering of felt or rubber *c* to prevent the arms J from making any noise when they are drawn over by the springs I which would be the case were a cushion or other similar device not provided.

From the above description it will be seen that I have fitted all of my arms J upon a single pivotal rod, and have them in the same horizontal plane intermediate their ends, while their opposite ends are bent upward and of varying lengths as shown and it will be also noticed that all of the bell crank levers G are pivoted upon a single pivotal point while their ends are also made of varying lengths and are curved outward away from each other for the purpose of preventing interference. By this arrangement I have a very simple yet effective construction of parts, which would not be the case were the arms and levers G made straight.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A music leaf holder and turner comprising a frame, a series of arms pivoted at one side of the frame with their free ends of varying heights, a series of bell crank levers pivoted at the other side, and of varying lengths, springs for the said arms and levers, depending operating ligaments or connections, and keys or buttons connected with lower ends of the said operating ligaments, substantially as shown.

2. A music leaf holder and turner comprising a frame, a series of arms having their pivotal ends bent upward one above the other and all supported upon a single pivotal point, and their free ends bent upward and of varying lengths, a series of bell crank levers having one of their arms of varying lengths and bent outward beyond each other and engaging the said arms respectively, springs for operating the said arms, and an operating connection with the said bell crank levers substantially as shown.

3. A music leaf holder and turner comprising a frame, a series of arms having their free ends pivoted upon a single pivotal axis and bent downward intermediate their ends in the same horizontal plane and their free ends bent upward one above the other and of varying lengths, a guide for the free ends of the said arms, and a series of bell crank levers of varying lengths engaging the free ends of the said arms, substantially as specified.

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

CHAS. H. NADIG.

Witnesses:
R. C. PETERS,
Mrs. K. J. PETERS.