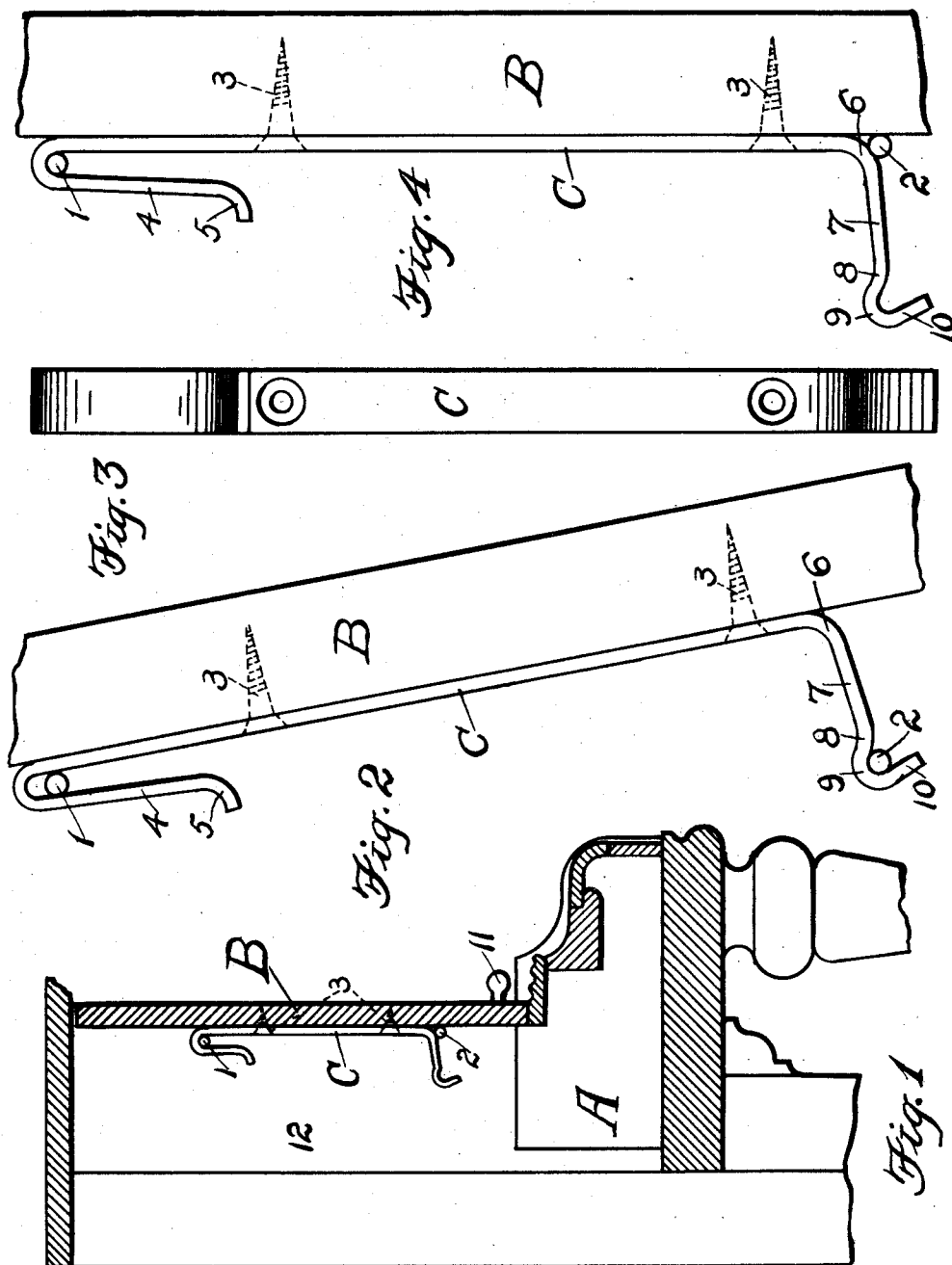


J. RAGONA.
SUPPORT FOR PIANO MUSIC DESKS.
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1,022,594.

Patented Apr. 9, 1912.



Witnesses:
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SUPPORT FOR PIANO MUSIC-DESKS.

1,022,594.

Specification of Letters Patent.

Patented Apr. 9, 1912.

Application filed September 16, 1911. Serial No. 649,632.

To all whom it may concern:

Be it known that I, JOHN RAGONA, a subject of the King of Italy, residing in the borough of Manhattan, in the city, county, and State of New York, have invented new and useful Improvements in Supports for Piano Music-Desks, of which the following is a specification, reference being had to the accompanying drawing, which forms a part thereof.

This invention relates to a support for the music-desks of upright pianos, and more particularly to one whereby the music-desk can be swung or tilted from a vertical to an inclined position and vice versa.

The main object of this invention is to adapt a one piece hook-member, preferably of metal, which can easily and quickly be attached or screwed to the music-desk; at the same time obtaining accuracy in locating said hook-member always at a constant and required position both in relation to the piano and on the music-desk upon which it is mounted. This object is very desirable where large quantities of such members are mounted.

A still further object is to provide a support of this character whereby the music-desk will lock positively both when in its vertical position and when in its inclined position.

A still further object is to provide a support of this character whereby the music-desk will swing or ride to a vertical or inclined position as smoothly as possible, with the least possibility of displacement, and with the least effort on the part of the operator.

I attain these objects by the elements illustrated in the drawing, in which—

Figure 1 shows a vertical section of an upright piano case, together with an embodiment of the invention; Fig. 2 shows a side view of a support of this character, the hook-member being screwed on to the music-desk and in the inclined position; Fig. 3 shows the front view of the hook-member; and Fig. 4 shows a similar view as Fig. 2, and with the music-desk in a vertical position.

Similar letters refer to similar parts throughout the several views.

A denotes the main casing of an upright piano, and B the music-desk thereof. When not in use, the music-desk normally lies in a

vertical position, as shown in Figs. 1 and 4; when in use, said music-desk is tilted or swung to an inclined position, as shown in Fig. 2. This is attained by forwardly pulling the lower portion of the music-desk, generally by means of knobs, as 11; after which movement, music sheets or books can be placed on the shelf provided for that purpose at the bottom of the music-desk, and said sheets will lie against the face of the inclined music-desk.

The members 1 and 2 are screws (wooden pins may be used) fixed to the inner face of the upright side, 12, of the piano case; they project from said face a suitable length. Screw 1 is used for the pivotal support whereon the hook-member C with the music-desk B swings; screw 2 is used for the locking support which locks the hook-member C with the music-desk, both when in the vertical position and when in the inclined position. The hook-member C has a straight back with two or more perforations for the insertion of screws 3, when said member is to be fixed to the music desk. The upper portion of the member C is bent in the form of a hook to be used as a bearing upon the screw 1. The end of the short arm 4 is curved as at 5; the purpose of this being to aid the hooking of the member C on the screw 1 whenever the music-desk, after having been removed from the piano, is again placed in position on the piano. The length of the short arm 4 permits sufficient vertical movement of the bearing, of the member C, in relation to the screw 1, when the music-desk is tilted. The lower portion of said hook-member is bent at 6, at a slightly obtuse angle, projecting as a straight arm 7 the end of which slightly turns up at 8 and then is bent at 9 forming a small hook with the finger 10. The curve 6 is so bent that when the music-desk is in a vertical position, the screw 2 will snugly fit in the space left by said curve and the music-desk, thereby locking the music-desk in that position. (See Fig. 4.)

The operation of the hook-member C on the supports 1 and 2, when swinging or tilting the music-desk B, can be readily understood from the drawing. When the music-desk is tilted from a vertical to an inclined position, the curve 6 slides over the screw 2, then the straight portion 7 and curve 8 smoothly ride over said screw until the

curve 9 hooks and locks thereon; the end 10 being used for limiting the outward travel of the music-desk. It can be seen that during the above movement the music-desk is slightly and vertically raised, as shown in Fig. 2. It is understood that two of such hook-members, one at each end of the music-desk, are used, and likewise two pairs of supporting screws as 1 and 2.

10 I am aware of the fact that other devices, somewhat similar to the above have been used or employed, also aiming at the same previously mentioned objects; and the main feature of this invention is, therefore, to approach perfection in the said mentioned objects.

What I claim is:

1. In a piano, in combination, the music-desk, the fixed pivotal support 1, the fixed locking support 2, and a one piece hook-member mounted on said music-desk and having its upper portion bent and bearing on said fixed pivotal support and permitting a vertical movement of said music-desk in addition to its swinging movement, the lower portion of said hook-member being bent and adapted to slide over said fixed locking support and lock thereon said music-desk, both, when in a vertical position and when in an inclined position, and to limit the outward travel of said music-desk, substantially as described.

2. In a piano, in combination, the music-desk, a fixed pivotal support, a fixed locking support, and a one piece hook-member mounted on said music-desk and having its upper portion bent into a vertically elongated hook bearing on said fixed pivotal support and permitting a vertical movement of said music-desk in addition to its swinging movement, the lower portion of said hook-member being bent and adapted to lock with the fixed locking support said music-desk when in a vertical position, to slide over said fixed locking support and cause said music-desk to rise vertically while moving to an inclined position, and to lock

same in said raised and inclined position, substantially as described.

3. In a piano, in combination, the music-desk, the fixed pivotal support 1, the fixed locking support 2, and a one piece hook-member mounted on said music-desk and having its upper portion bent and bearing on said fixed pivotal support and permitting a vertical movement to said music-desk in addition to its swinging movement, the lower portion of said hook-member being shaped to have a curved bend, as at 6, for locking with the fixed locking support said music-desk when in a vertical position, said curved bend being prolonged into an arm, as at 7, having its end bent into a hook, as at 8, 9 and 10, for the purpose of sliding over said fixed locking support and causing said music-desk to rise vertically while moving to an inclined position, for limiting the outward travel thereof, and for locking same in said raised and inclined position, substantially as described.

4. In a piano, in combination, the music-desk, the fixed pivotal support 1, the fixed locking support 2, and a one piece hook-member mounted on said music-desk and having its upper portion bent into a vertically elongated hook, as at 4, bearing on said fixed pivotal support and for permitting a vertical movement of said music-desk in addition to its swinging movement, the end of said bearing being curved, as at 5, to aid the hooking of same on the fixed pivotal support, the lower portion of said hook-member being bent and adapted to slide over said fixed locking support and lock thereon said music-desk both when in a vertical position and when in an inclined position.

In witness whereof I have hereunto affixed my signature in the presence of two witnesses.

JOHN RAGONA.

Witnesses:

WILLIAM RAGONA,
SALVATORE CHISARI.