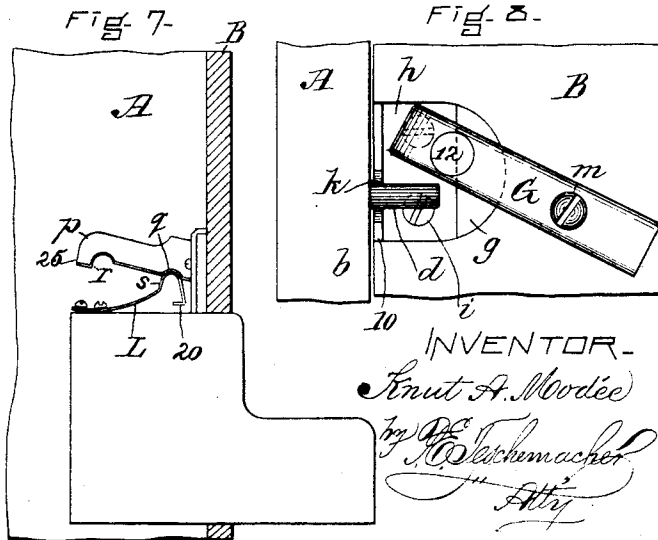
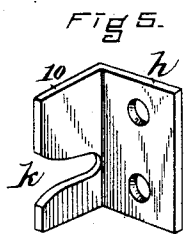
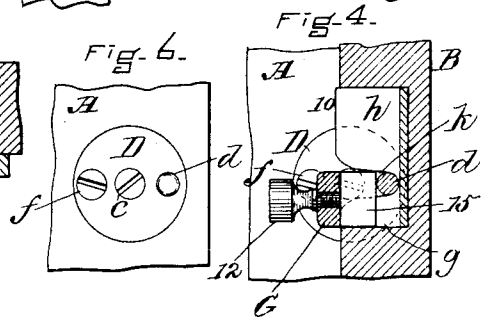
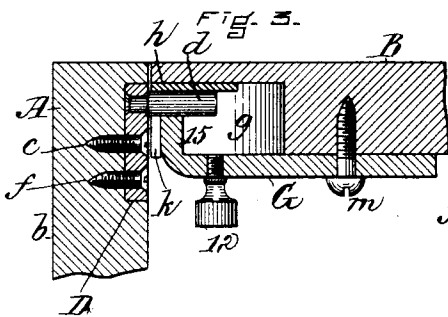
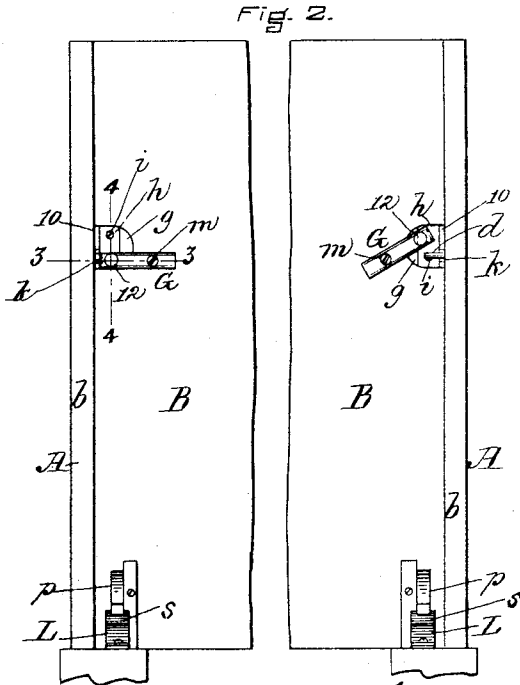
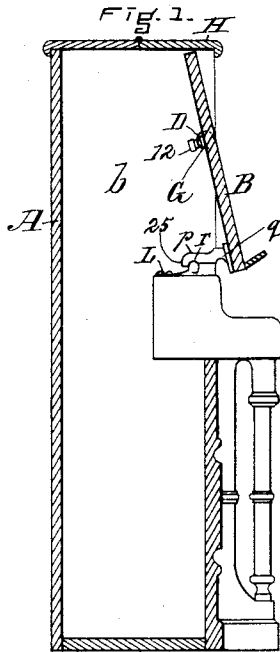


(No Model.)

K. A. MODÉE. MUSIC DESK FOR PIANOS.

No. 541,375.

Patented June 18, 1895.



WITNESSES.
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UNITED STATES PATENT OFFICE.

KNUT A. MODÉE, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO THE VOSE & SONS PIANO COMPANY, OF SAME PLACE.

MUSIC-DESK FOR PIANOS.

SPECIFICATION forming part of Letters Patent No. 541,375, dated June 18, 1895.

Application filed April 17, 1895. Serial No. 546,110. (No model.)

To all whom it may concern:

Be it known that I, KNUT A. MODÉE, a subject of the King of Sweden and Norway, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Music-Desks for Pianos, Organs, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a vertical section through an upright-piano case and its music-desk having my improvements applied thereto. Fig. 2 is an enlarged elevation of the inner side of the music-desk and the portion of the piano-case to which it is applied. Fig. 3 is a horizontal section on the line 3 3 of Fig. 2. Fig. 4 is a vertical section on the line 4 4 of Fig. 2. Figs. 5 and 6 are details to be referred to. Fig. 7 is an enlarged sectional detail of the spring retaining device by which the music-desk is held in an open or closed position. Fig. 8 is an enlarged elevation of one of the desk-supporting devices shown in Fig. 2.

My invention relates to music-desks for pianos, organs, and other similar musical instruments, and has for its object to simplify and improve the method of hanging the same within the front of the case, whereby the necessity of employing an auxiliary removable frame to hold the desk in place, as has heretofore been customary, is avoided.

To this end my invention consists in a device of novel construction for hanging or pivoting the music-desk to the case of the instrument in such manner as to enable it to be easily removed and replaced as hereinafter more fully set forth; and my invention also consists in an improved spring retaining-catch for securely holding the music-desk in an open or closed position and preventing the same from being swung outward beyond the proper limit, as hereinafter set forth and specifically claimed.

In the said drawings, A represents an upright piano case, to the upper portion of the front of which is fitted the swinging music-desk B, for supporting the sheet music, book, or other article. This music-desk B, which is adapted to be swung outward at the bottom, is

pivoted at or near the center of each end directly to the adjoining end *b*, of the case A, without the interposition of an auxiliary frame, in the following manner: To each end *b*, of the case A, is secured by means of a screw *c*, Figs. 3 and 6, passing through its center, an adjustable disk D, which is provided near its periphery with an inwardly projecting stud *d*, the two studs forming pivot-pins or pintles on which the music-desk B, is swung in and out as required; each disk D, being held immovably in place when adjusted by a screw *f*, Figs. 3 and 6, passing through the same near its periphery, whereby any rotary movement of the disk on its center screw *c*, is prevented.

The music-desk B, is provided on its inner side at each end with a recess *g*, within which is fitted a metallic angle-plate *h*, Fig. 5, secured in place by screws *i*, the outer portion 10, of said plate, which lies flush with the edge of the desk, being provided with an open flaring-mouthed slot *k*, for the reception of the stud in line therewith, which fits snugly therein, as shown in Figs. 3 and 4, when the desk is applied to the front of the piano-case A, said stud *d*, being locked in place within the slot *k*, which forms a bearing therefor, by a latch or lever G, pivoted at *m*, to the inner side of the music-desk B, and provided with a knob or handle 12, the outer end 15, of said latch being bent inward at a right angle so that when it is forced down as shown in Figs. 3 and 4, it will fit snugly against the pin *d*, the desk being thus held within the case A, in such manner that it will be free to swing on the studs or pivot-pins *d*, but cannot be removed until the latches G, are swung upward as shown at the right hand side of Fig. 2, to enable the slotted plates *h*, to be withdrawn from the said pivot-pins. The recesses *g*, within which project the ends 15, of the latches G, as shown in Fig. 3, are of sufficient size to permit of the necessary movement of said latches, which movement is limited in either direction by the contact of the bent ends 15, with the tops and bottoms of the recesses *g*.

When the music desk is to be removed from the case A, it is simply necessary to lift its cover or top H, and reach down and raise the

latches G, with the hand, thus releasing the desk which can then be easily taken out of the case, and when replaced the latches are swung down in the same manner, the operation being performed with great facility; and by the employment of the above described device the removable auxiliary frame within which the music-desk has hitherto been hung by means of ordinary mirror-hinges, is entirely dispensed with; thus simplifying and cheapening the construction. It will be seen that by turning the rotary disks D, upon their center screws *c*, the height of the pivot-pins *d*, can be independently varied to nicely adjust the music-desk to the opening in the case within which it fits, and when properly adjusted said disks are prevented from turning on their center screws by means of the screws *f*, as previously described, a considerable saving in time and labor being thus effected, as less care and skill are required in applying the pivot-pins to the case than would be necessary if they were not made adjustable as described.

To the inner side of the music-desk B, near its bottom are rigidly secured two inwardly projecting arms *p, p*, Figs. 1 and 7, each of which is provided with two concave notches *q, r*, for the reception of a rounded projection *s*, at the free end of a flat spring L, which exerts an upward pressure against said arm *p*, and engages the inner notch *q*, when the desk is closed in, and the outer notch *r*, when the desk is swung out into position for use, as shown in Fig. 1; the spring thus forming a friction retaining-catch for holding the desk securely either in an open or closed position, while owing to the concavity of the notches *q, r*, and the shape of the end *s*, of the retaining spring, a very slight pull or push on the desk according to its position will disengage the notch from the spring as described.

In order to prevent the music-desk from being swung outward at its bottom beyond its proper limit, the end 20, of the spring L, is preferably turned under, as shown in Fig. 7, so that it will, when depressed, strike the portion of the casing beneath it, which thus forms a stop to prevent the end of the spring from being depressed sufficiently to allow of the passage thereover of the outer downwardly projecting hook-shaped end 25, of the arm *p*, connected with the desk, the further outward movement of which is thus prevented.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination with a piano or organ case having its sides provided with inwardly projecting pivot-pins or pintles, of a music-desk having recesses at its opposite ends provided with plates having open slots for the reception of said pivot-pins and forming bearings therefor, and pivoted latches adapted to be swung over the said pivot-pins to lock the same within their slotted bearings, substantially as set forth.

2. In a piano or organ case, the combination with the swinging music-desk and its bearings, of a pair of rotary disks each provided on one side of its center with a pivot-pin or pintle for supporting said desk, said pivot-pins projecting inwardly from the sides of the case and being adjustable in height by rotating said disks on their centers, and means for securing said disks when adjusted, substantially as described.

3. The combination with a piano or organ case provided at its ends with rotary disks D, turning on center pins or screws *c*, and each having a pivot-pin or pintle *d*, on one side of the center, whereby it is made adjustable in height by turning said disk, and the fastening screws *f*, for holding the disks when adjusted, of the swinging music-desk B, having recesses *g*, at its opposite ends provided with plates *h*, having open slots *k*, for the reception of the said pivot-pins, and the latches G, adapted to be swung over the pivot-pins to lock the same within the slots *k*, all operating substantially as and for the purpose set forth.

4. In a piano or organ, the combination with the swinging music-desk provided with an inwardly projecting arm *p*, having notches *q, r*, of the friction-spring L, having its outer end curved to engage said notches and adapted to hold the desk either in an open or closed position, said spring having its downward movement limited by contact with the case beneath and forming a stop to engage the projecting end 25, of the arm *p*, and thereby limit the outward swing of the music-desk, substantially as described.

Witness my hand this 15th day of April, A. D. 1895.

KNUT A. MODÉE.

In presence of—

P. E. TESCHEMACHER,
JULIEN W. VOSE.