

No. 888,754.

PATENTED MAY 26, 1908.

H. L. SCHUFF.
PIANO BENCH.

APPLICATION FILED APR. 11, 1907.

Fig. 1.

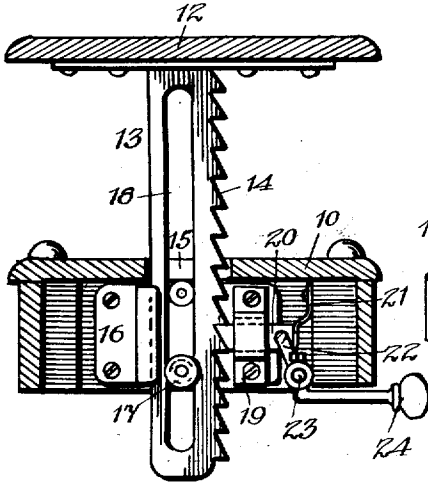
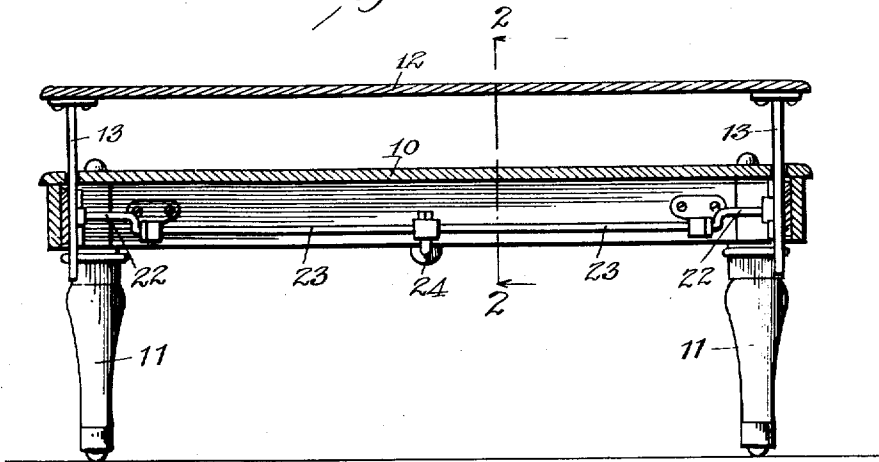


Fig. 2.

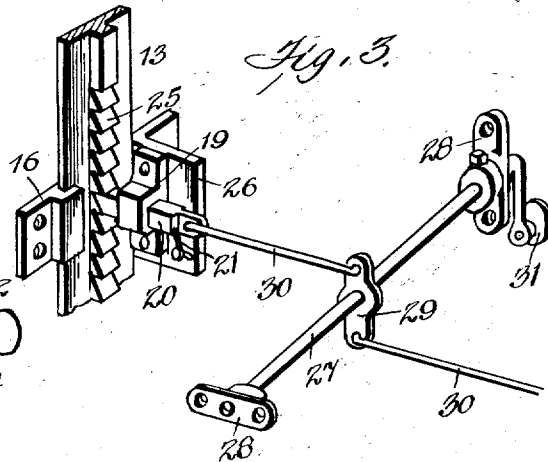


Fig. 3.

Witnesses

Chas. H. Davies.

Myron G. Clear.

Inventor

Harry L. Schuff,

C. L. Parker

Attorney

UNITED STATES PATENT OFFICE.

HARRY L. SCHUFF, OF MARIETTA, OHIO.

PIANO-BENCH.

No. 888,754.

Specification of Letters Patent.

Patented May 26, 1908.

Application filed April 11, 1907. Serial No. 387,547.

To all whom it may concern:

Be it known that I, HARRY L. SCHUFF, a citizen of the United States, residing at Marietta, in the county of Washington and State of Ohio, have invented certain new and useful Improvements in Piano-Benches, of which the following is a specification.

My invention relates to piano benches, and has particular reference to a duet bench which may be raised and lowered to suit the players, and the object thereof is to provide a mechanism which will retain its rigidity and appearance when in the raised position.

My invention specifically resides in the following features of construction and arrangement as hereinafter described and pointed out in the accompanying drawings, in which,

Figure 1 is a longitudinal sectional view through a piano bench constructed in accordance with my invention. Fig. 2 is a cross section on the line 2—2 of Fig. 1, looking in the direction indicated by the arrows, and Fig. 3 is a perspective view of a modified arrangement to be hereinafter specifically referred to.

In the practical embodiment of my invention I provide the bench body 10, supported by the legs 11, and provided with an adjustable seat board 12. Depending from the seat board 12 at either end thereof are the rack bars 13, provided with a rack 14 thereon, and arranged through openings 15 in the bench body 10. Arranged within the body 10 below the openings 15 are guide frames 16, through which the rack bars 13 are slidably arranged, said guide frames being provided with rollers 17, projecting through a longitudinal slot or opening 18 in the rack bar 13. Slidably mounted through a bracket 19, attached to the guide frames 16, are the locking dogs 20, normally pressed into engagement by means of a leaf spring 21, and adapted to be withdrawn from engagement therewith by means of the angular arms 22, mounted on the ends of the operating rod or shaft 23. A handle 24 rigidly connected to the rod 23 intermediate its ends is adapted to be moved downwardly to rock said rod 23, and move the angular extension 22 thereof to withdraw the dog 20 from engagement with the rack 14 to allow the seat 12 to be lowered. The seat 12 may thus be easily raised without operating the mechanism.

In the modified form shown in Fig. 3 the rack bars 13 are provided with faced racks

25, and are mounted through guide frames 16, provided with an angular extension plate 26, on which is mounted the bracket 19 which carries the locking dog 20. In this form I provide a transverse operating rod 27 mounted through the bench body 10 in brackets 28, and provided with an operating plate 29 keyed or otherwise rigidly secured to move therewith and having connecting rods 30 secured in its upper and lower extensions on a plane transverse to the plane of the rod 27. The connecting rods 30 are secured at their other ends to the locking dogs 20 at opposite ends of the bench, and are adapted to withdraw said dogs from engagement with their respective racks 25 on a partial rotation of the operating rod 27 by means of its handle 31. Thus it will be seen that I provide a simple and inexpensive arrangement whereby the bench in all its adjustments will maintain a desired rigidity and appearance.

Having thus fully described my invention I claim:

1. In an adjustable piano-bench, the combination with a stationary body, of a seat board provided with depending rack bars slidably mounted through said body and having central longitudinal slots therein, plates secured within said body and having guides formed thereon through which said rack bar works, and having rollers mounted thereon for engagement within said slots, locking dogs arranged for engagement with said rack bars, guides formed on said plates for the reception of said dogs, leaf springs secured within said body and bearing against said dogs to hold the same in engagement with said rack bars, and a rock shaft suitably journaled within said body and provided with angular extensions secured to said dogs to withdraw the same upon the rotation of said shaft, and a handle for rotating said shaft having adjustable connection therewith, substantially as described.

2. In an adjustable piano-bench, the combination with a stationary body, of a seat board provided with depending rack bars slidably mounted through said body having central longitudinal slots therein, plates secured within said body having guides formed thereon through which said rack bars work and rollers mounted thereon for engagement within said slots, locking dogs arranged for engagement with said rack bars, guides formed on said plates for the reception of

said dogs, leaf springs secured within said body and bearing against said dogs to hold the same in engagement with said rack bars, a rock shaft suitably journaled in brackets
5 within said body and provided with angular extensions secured to said dogs to withdraw the same upon the rotation of said shaft, and a handle for rotating said shaft having movement in a vertical plane and having adjust-

able connection with said shaft, substantially 10 as described.

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

HARRY L. SCHUFF.

Witnesses:

HENRY SCHUFF,
CLARENCE A. PERKINS.