F. B. BEINKAMP.

LEG OPERATED TEMPO LEVER ATTACHMENT FOR PLAYER PIANOS.

APPLICATION FILED AUG. 25, 1910.

1,067,962. Patented July 22, 1913.

Fig. 1

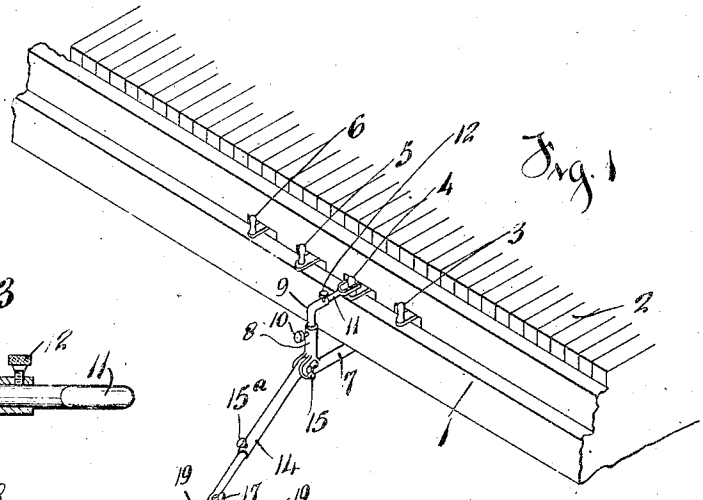


Fig. 3

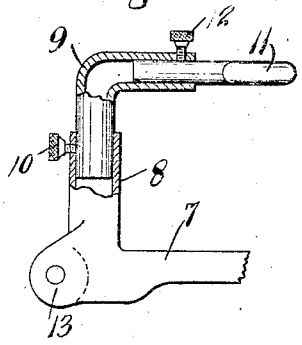


Fig. 4

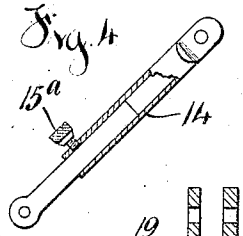


Fig. 5

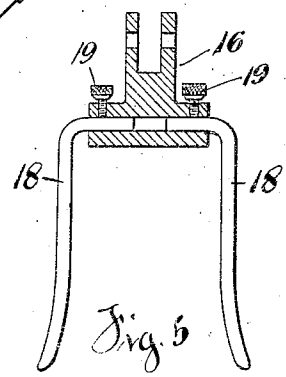
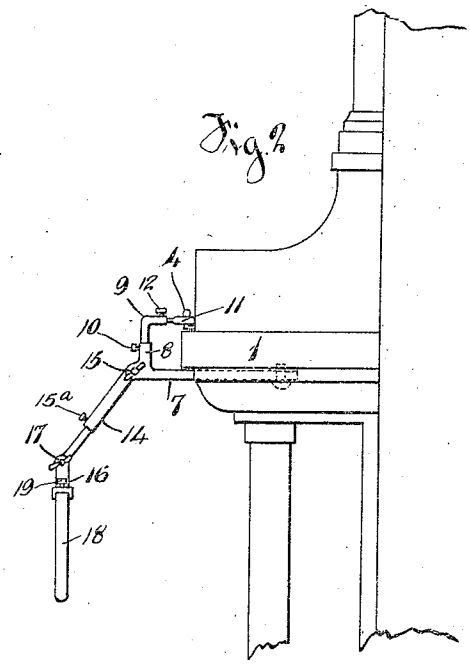


Fig. 2



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UNITED STATES PATENT OFFICE.

FRANK B. BEINKAMP, OF CINCINNATI, OHIO, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE VOCALSTYLE MUSIC COMPANY, OF CINCINNATI, OHIO, A CORPORATION OF OHIO.

LEG-OPERATED TEMPO-LEVER ATTACHMENT FOR PLAYER-PIANOS.

1,067,962. Specification of Letters Patent. Patented July 22, 1913.

Application filed August 25, 1910. Serial No. 578,832.

To all whom it may concern:

Be it known that I, FRANK B. BEINKAMP, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Leg-Operated Tempo-Lever Attachments for Player-Pianos, of which the following is a specification.

My invention relates to means for operating the tempo lever of a player piano with the leg of the operator.

The object of my invention is to construct a device which will enable a person to operate a player piano and control the tempo of same while his hands are occupied in playing another musical instrument such as a cornet, mandolin, violin, flute or any instrument which requires the use of the hands and arms to manipulate it.

My invention consists in a connection attached to a player piano adapted to be operated by the leg of the operator to actuate the tempo lever of the player piano.

My invention also consists in the details of construction and in the parts and combination and arrangements of parts as herein set forth and claimed.

In the accompanying drawing, which serves to illustrate the construction and use of my invention; Figure 1 is a perspective view of a portion of the key-board of a player piano equipped with my invention. Fig. 2 is an end elevation of a portion of a player piano showing the position and manner of mounting my attachment. Fig. 3 is an enlarged detail view of that portion of the attachment which engages the tempo lever of the player piano. Fig. 4 is a detail view of the connecting rod which connects the leg engaging yoke with the tempo lever engaging arm. Fig. 5 is a detail view of the leg engaging yoke.

In the embodiment of my invention as illustrated and which shows a preferred construction, 1 represents the key-board casing of a player piano showing the piano keys 2, a rewinding lever 3, the tempo lever 4, loud pedal lever 5 and soft pedal lever 6 which are commonly found in this style of player piano.

My leg operated tempo lever attachment comprises a pivotally mounted supporting arm having a hollow extension 8 adapted to receive the adjustable tempo lever engaging member 9, said engaging member being fastened to the hollow extension 8 by means of a set screw 10. The tempo lever engaging member 9 is also adjustable and is provided with a bifurcated engaging piece 11 which extends into the hollow member 9 and has telescopic engagement therewith, it being fastened therein by means of a set screw 12. The supporting arm 7 is also provided with ears 13 to which a telescopic connecting bar 14 is pivotally connected and held thereto by means of a thumb screw 15 and the telescopic bar 14 may be lengthened and shortened as desired and is held at any desired length by means of a set screw 15ª. At the other end of the telescopic connecting member 14 the leg engaging yoke 16 is pivoted and held by means of the thumb screw 17 and having prongs 18 adjustably mounted therein and held in position by means of set screws 19.

By means of the construction shown it is evident that the device may be readily adjusted to accommodate itself to any size person as well as any style or size of player piano, the tempo lever 4 being placed in different positions on different styles of player pianos.

My device will be found of inestimable value to singers who wish to play their own accompaniments upon player pianos, inasmuch as they are enabled to remain in a natural singing position and are not compelled to lean forward to operate the tempo lever with their hand.

It will thus be seen that this device enables a person to obtain any variation or gradation of time in the operation of the player piano.

It will be apparent that my invention is capable of considerable modification without departing from its scope and spirit, and I do not therefore wish to be confined to the exact construction shown.

What I claim as new and desire to secure by Letters Patent is:

1. In combination with a player piano having a tempo lever, a supporting arm mounted on the body of said piano, an adjustable connection between said tempo-lever and said supporting arm, and an adjustable leg yoke pivotally mounted on said adjustable arm, substantially as set forth and for the purposes specified.

2. In combination with a player piano having a tempo-lever, a supporting arm mounted on the body of said piano, a connection adjustably secured to said tempo-lever, and pivotally and adjustably secured to said supporting arm, an adjustable arm pivoted to said supporting arm, and an adjustable leg yoke pivotally mounted on said adjustable arm, substantially as and for the purposes specified.

3. In combination with a player piano having a tempo lever, a suitably mounted attachment pivoted to the body of said piano and having an adjustable extension engaging said tempo lever, and a yoke whereby said attachment may be operated and controlled by the leg of the operator, substantially as and for the purposes set forth.

4. In combination with a player piano having a tempo-lever, a supporting arm movably mounted on the body of said piano, an adjustable connection mounted on and engaging said tempo lever, an adjustable arm pivoted to said supporting arm and an adjustable leg yoke mounted on said adjustable arm, substantially as and for the purposes specified.

5. In combination with a piano having a tempo lever located at the front thereof, an attachment mounted on the body of the piano, said attachment comprising a connection engaging said tempo lever and having an arm extending downwardly therefrom and provided with a forked end.

6. A tempo lever attachment comprising a supporting arm having means for attachment to a piano and to a tempo lever, respectively, an adjustable arm carried and pivotally supported by said supporting arm, and a leg yoke mounted on said adjustable arm.

7. A tempo lever attachment comprising a supporting arm having means for pivotal attachment to the key bed of a piano and provided with means to engage the tempo lever when in position on the piano, and means pivotally and adjustably connected to said supporting arm to normally extend downwardly and outwardly for engagement with the leg of the performer when the attachment is applied to a piano.

FRANK B. BEINKAMP.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C.".