R. W. SCOTT.

FOOT POWER MECHANISM.

APPLICATION FILED MAY 14, 1909. RENEWED NOV. 22, 1911.

1,031,591. Patented July 2, 1912.

Fig. 1.

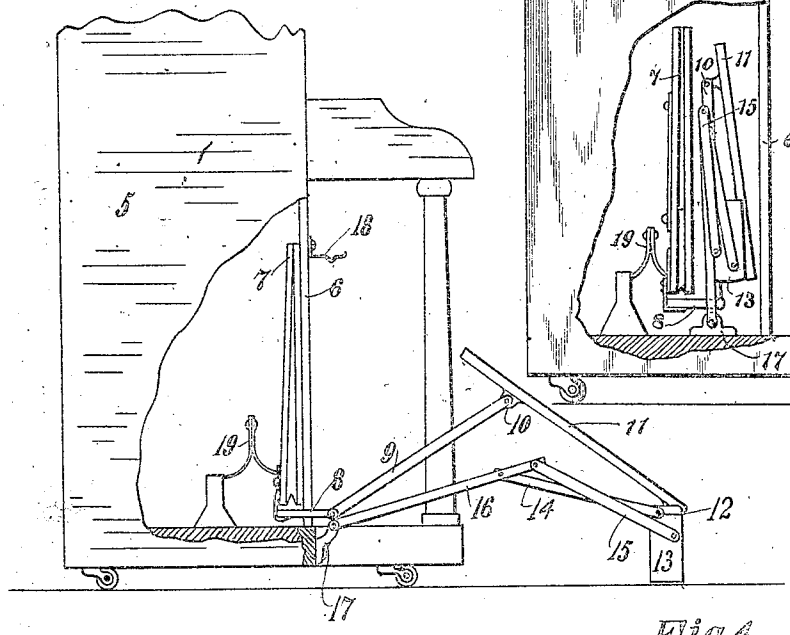


Fig. 5.

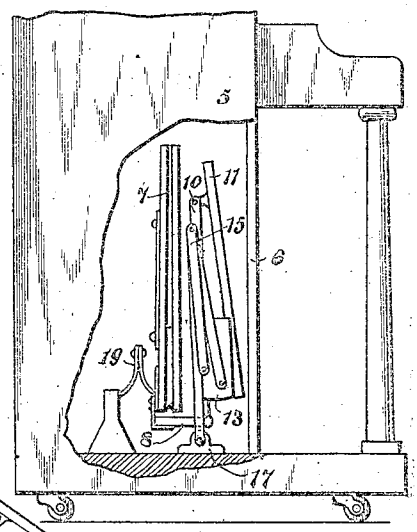


Fig 2

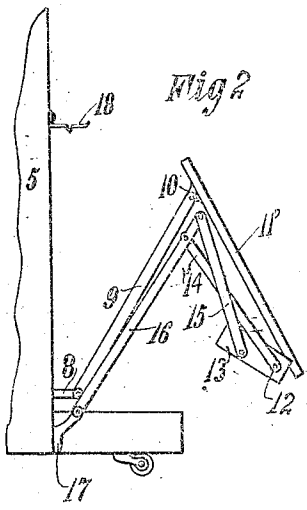


Fig 3

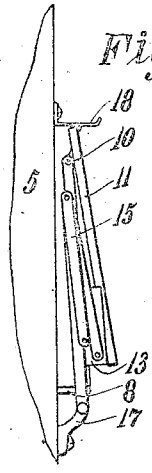
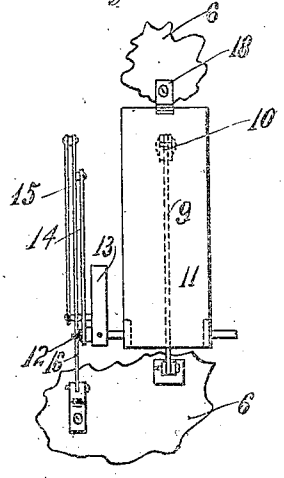


Fig 4



WITNESSES:

Amy P. Jorgensen

J. T. Reilly

Ray W. Scott, INVENTOR

BY Howson & Howson

his ATTORNEY

UNITED STATES PATENT OFFICE.

RAY W. SCOTT, OF NEW YORK, N. Y., ASSIGNOR TO NEW YORK ATTACHABLE PLAYER ACTION CO., A CORPORATION OF NEW YORK.

FOOT-POWER MECHANISM.

1,031,591. Specification of Letters Patent. Patented July 2, 1912.

Application filed May 14, 1909, Serial No. 495,860. Renewed November 22, 1911. Serial No. 661,843.

To all whom it may concern:

Be it known that I, RAY W. SCOTT, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Foot-Power Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in foot power devices and is particularly adapted for and illustrated in its application to automatic pianos.

Referring to the accompanying drawings, Figure 1 is a side elevation partly broken away illustrating a preferred application of my invention in connection with a suitable mechanism such as a bellows for operating an automatic piano. Fig. 2 is another side elevation showing the position of the apparatus half extended for use. Fig. 3 a side elevation showing the apparatus in its closed position, Fig. 4 a view looking from right to left at Fig. 3 with portions broken away, and Fig. 5 is a side elevation, partly broken away illustrating the device closed up in the interior of the piano casing.

5 is the piano casing and 6 the front of the piano. 7 is the bellows or other suitable mechanism inside of the piano provided with the bracket 8 pivoted to the link 9 having a bearing 10 on the underside of the foot board 11. The other end of this foot board is provided with a similar bearing having the protruding pin 12. Upon this bearing is also mounted the support or movable base 13 and the link 14. The link 15 is also provided with a bearing in the support 13 as shown and the links 14 and 15 are provided with bearings at their opposite extremities in the link 16 which is pivoted at the opposite end to the bracket or fixed base 17. 18 is a spring clip adapted to engage the top edge of the foot board 11 when the same is folded as illustrated in Figs. 3 and 4.

In operation the device is drawn out in the position illustrated in Fig. 1 and as the foot is pressed upon the board 11 the bellows is forced against the action of the spring 19 and is gradually returned to the original position from which it is again operated by further pressure upon the foot board. The pressure upon the foot board 11 is directed against the bellows through the links 8 and 9 expanding the same against the action of the spring 19. The reaction of this thrust is taken on the bearing 12 and is communicated through the links 14 and 16 to the bracket 17, the base 13 being maintained in its upright position by the lever 15 also attached to the link 16. The closing operation is effected by pressing the device inwardly which causes the foot board 11 and link 9 to rise upwardly, the links 14 and 16 following and the lever 15 movably connected to the end of the link 16 causing the movable base 13 to swing upwardly on the bearing 12 as illustrated in Fig. 2, so that when the combination is pressed back against the front of the piano the same is snugly closed together as illustrated in Figs. 3 and 4.

Of course it will be understood that the attachment can be placed farther into the interior of the piano so that when folded in position it will stand inside of the front of the piano which may be closed with a suitable panel or door.

Various other modifications may be made without departing from the spirit of the invention as covered by the claims.

I claim:

1. In a foot power device, a foot board and power mechanism, a connecting rod connected to said power mechanism and to said foot board, a fixed support, a support movably connected to said foot board, a second connecting rod connected to said fixed support, and a pair of connecting rods connected between said second connecting rod and said movably connected support whereby said movable support is turned inwardly when said device is folded together.

2. In a foot power device, a foot board and power mechanism, a connecting rod connected to said power mechanism and to said foot board, a fixed support, a movable support being adapted to support the end of said foot board, a second connecting rod connected to said fixed support, and a pair of connecting rods connected between said second connecting rod and said movably connected support whereby said movable support is turned inwardly when said device is folded together.

3. In a foot power device, a foot board and power mechanism, a connecting rod connected to said power mechanism and to said foot board, a support, a movable support being adapted to support the end of

said foot board, a second connecting rod connected to said support and a pair of connecting rods connected between said second connecting rods and said movable support whereby said movable support is turned inwardly when said device is folded together.

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

RAY W. SCOTT.

Witnesses:
LOUISE ENDERLE,
THOMAS A. HILL.