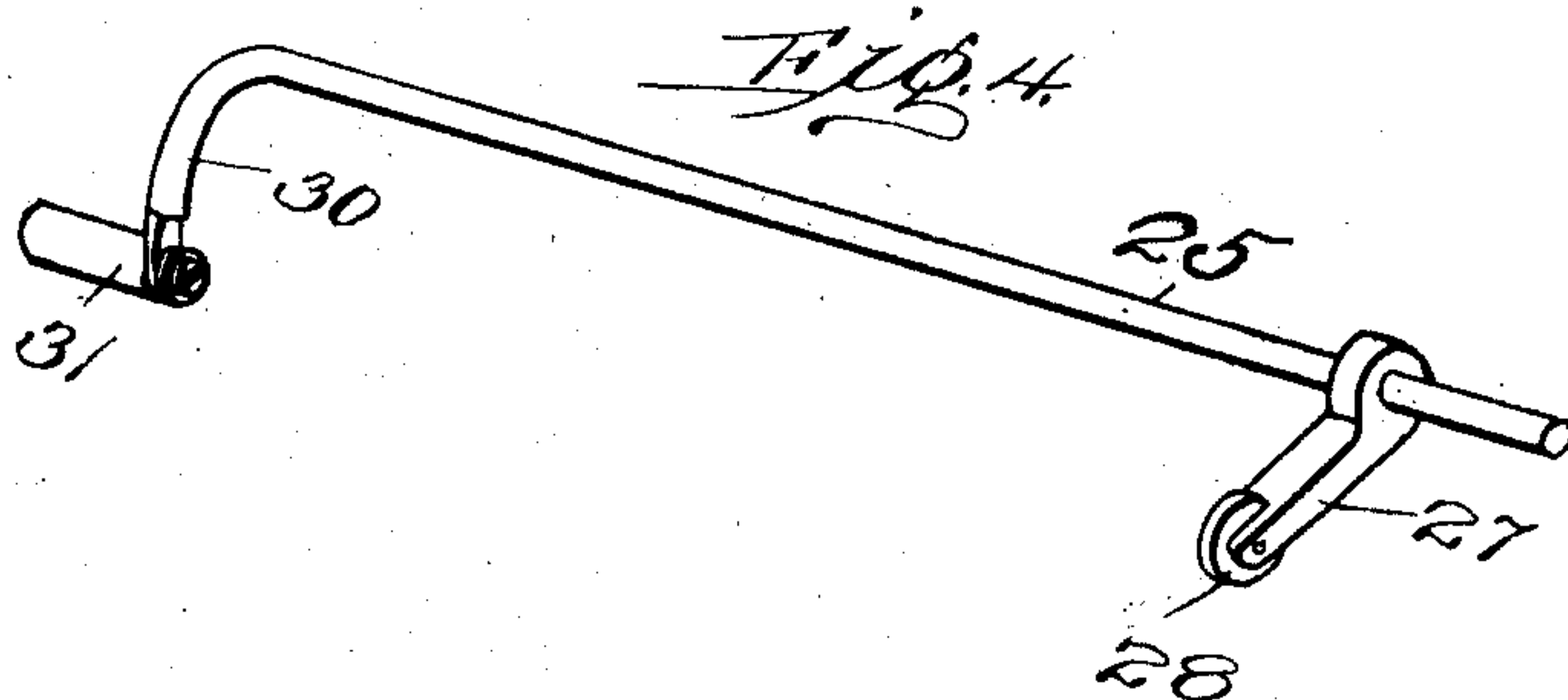
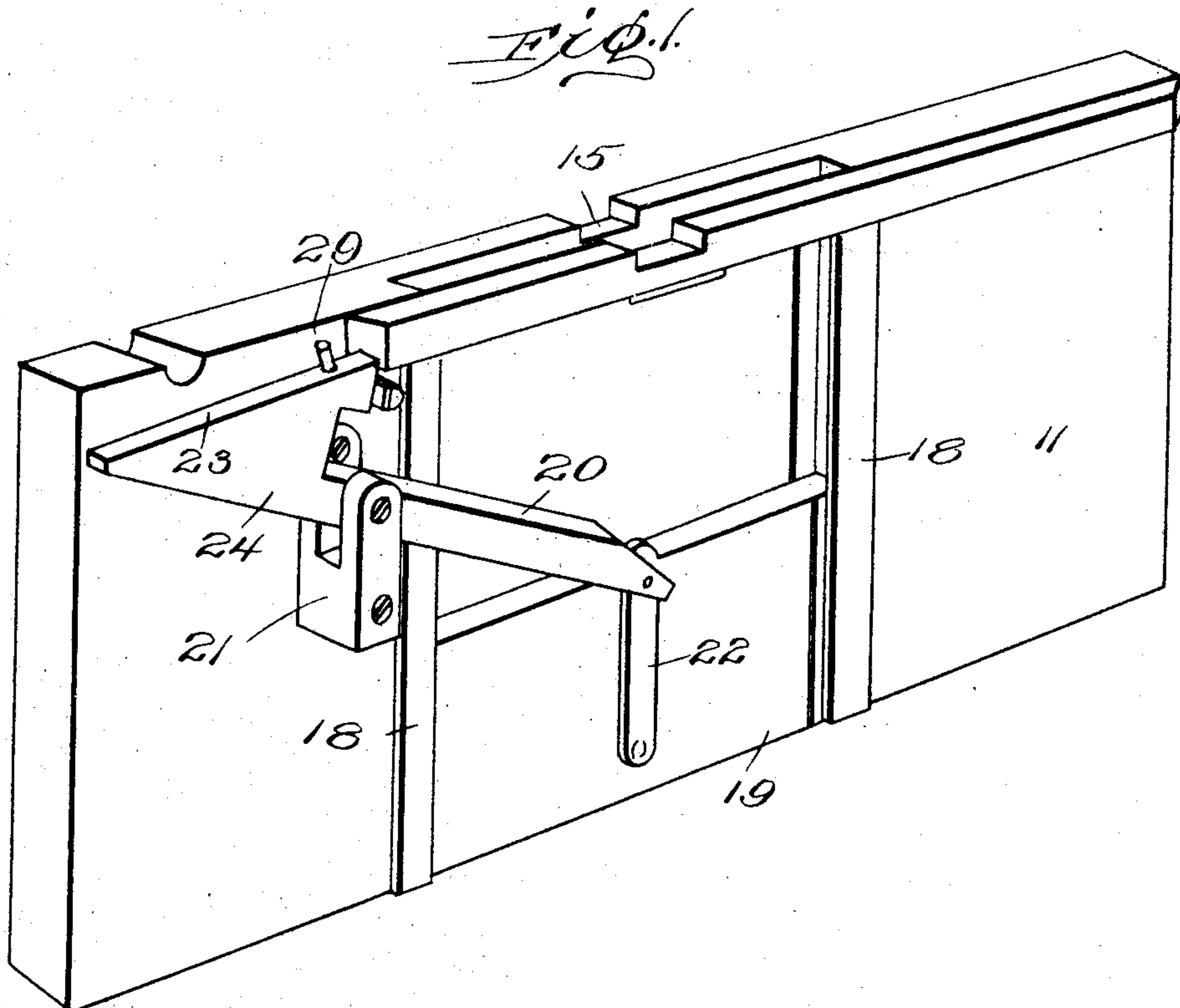


No. 886,133.

PATENTED APR. 28, 1908.

H. J. KIEFER.
CASE FOR PLAYER PIANOS.
APPLICATION FILED FEB. 6, 1908.

3 SHEETS—SHEET 1.



Witnesses

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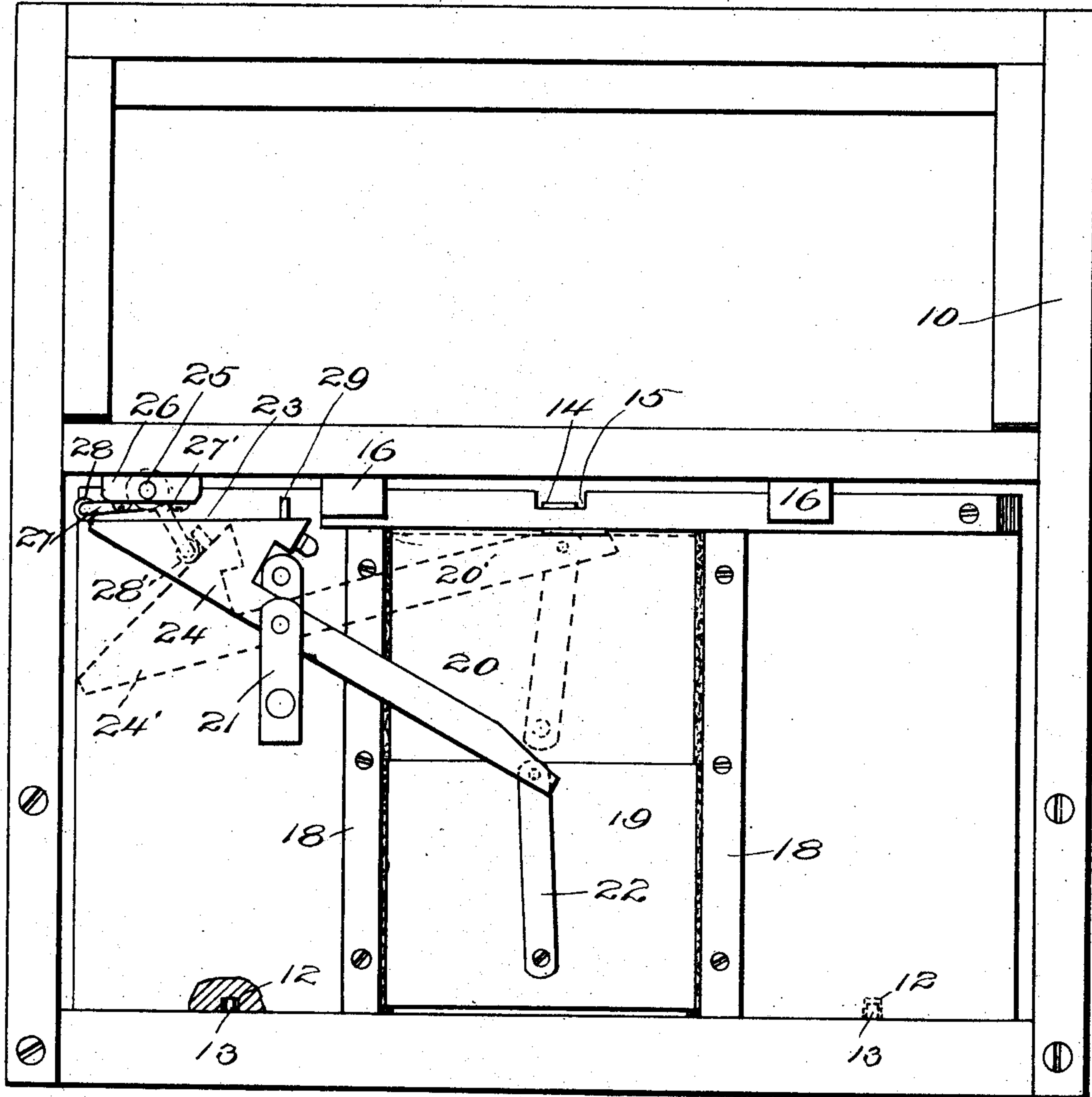
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3 SHEETS—SHEET 2.

Fig. 2.



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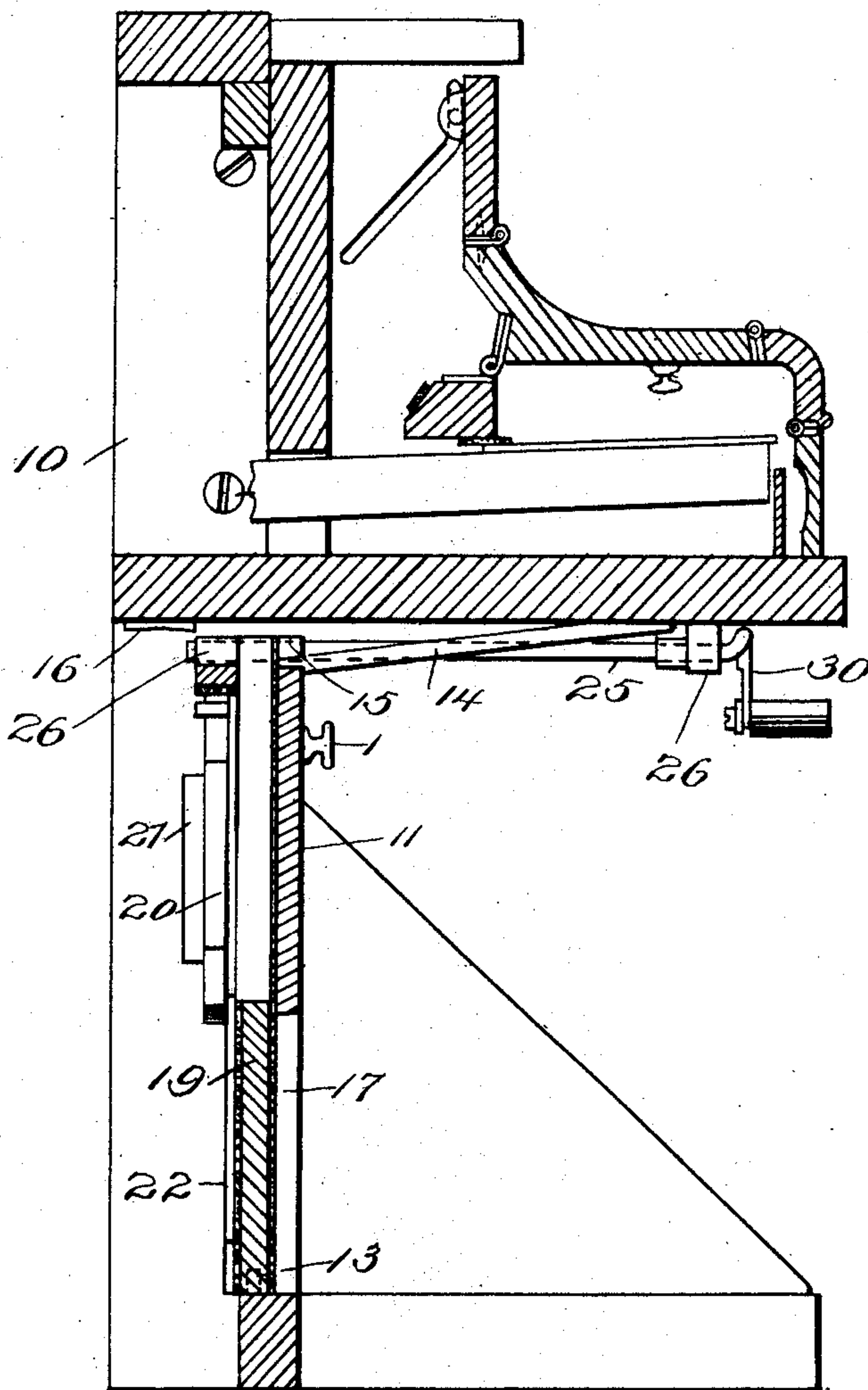
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3 SHEETS—SHEET 3.

Fig. 3.



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UNITED STATES PATENT OFFICE.

HERMAN J. KIEFER, OF NEW YORK, N. Y., ASSIGNOR TO THE LAFFARGUE CO., INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

CASE FOR PLAYER-PIANOS.

No. 886,133.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed February 6, 1908. Serial No. 414,594.

To all whom it may concern:

Be it known that I, HERMAN J. KIEFER, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Cases for Player-Pianos; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to cases for player pianos and has for its object to provide means for accommodating the motor pedals within the case, and improved means for opening and closing a section of the case to permit access to said pedals.

A further object of the invention is to provide in a player piano case an opening in its front wall, a closure slidable relative to the case and proportioned to close the opening, and improved means connected with the front of the piano for opening and closing such case.

With these and other objects in view, the invention comprises certain novel constructions, combinations and arrangements of parts, as will be hereinafter fully described and claimed.

In the drawings:—Figure 1 is a perspective view of the front board of a player piano showing the reverse or rearward side of the same and exhibiting the present invention associated therewith. Fig. 2 is a view of the interior of the player piano case; seen from the rear showing the present invention associated therewith and shown in dotted lines open. Fig. 3 is a transverse, sectional view of a conventional player piano case with the present invention associated therewith. Fig. 4 is a perspective view of the closure operating means.

Like characters of reference designate corresponding parts throughout the several views.

The present invention is adapted for association with a player piano case of substantially the usual construction shown conventionally at 10 and comprises a front board 11 having its lower end sockets 12, the base being provided with dowels 13 proportioned to be seated within the sockets and the said board held in place in any approved manner as by the spring detent 14 disposed within

the recess 15 and having a shoulder engaging the outer surface of the board and maintaining it normally against the abutments 16.

The front board 11 is provided with an opening 17 adjacent the base and preferably central longitudinally of the board and behind which the usual and ordinary pedals of the player piano are located. At its rearward side the front board is provided with guides 18 secured thereto in any approved manner and between which a closure 19 moves slidable vertically to open and close the opening 17. To actuate the closure 19 a lever 20 is pivoted in any approved manner as to the bracket 21 and connected with the closure 19 as by the link 22. At its end opposite the link 22 the lever 20 is provided with a cam surface 23 inclined to the length of the lever 20 and accommodated by means of a head 24 carried by said lever.

To actuate the lever 20 a shaft 25 is journaled as in the bearings 26 and is provided at its inner end with an arm 27 carrying a roller 28 engaging the cam surface 23 which latter is provided with a stop 29 positioned to limit the movement of the roller 28 upon the said cam surface. The external end of the shaft 25 is provided with a crank 30 and handle 31 by which the shaft 25 may be moved rotatably to move the roller 28 from the position shown in full lines in Fig. 2 to the position 28' shown in dotted lines in the same figure, thereby moving the lever 20 from the full line position to the position 20' and lifting closure 19. It will be seen that when the closure is at its highest point the roller 28 has passed by the center of its pivot on the shaft 25 so that it maintains the closure in such open position until released by a retroactive movement of the shaft 25. The crank 30 and handle 31 are preferably disposed immediately under the keyboard and for convenience at the right hand end of the piano case where the operator will have easy and immediate access thereto when it is desirable to either open or close the closure 19.

It is, of course, understood that the case and associate parts shown in the drawings are only conventional and that the usual and ordinary accessories are in practice associated therewith, which forming no part of the present invention are not shown.

What I claim is:—

1. In a device of the class described, the

combination with a player piano case, of a closure vertically slidable, a lever pivoted to the case and positioned to actuate the closure, of a head carried by the lever, a roller
5 positioned to move upon and actuate the head and lever, and means without the case to actuate the roller.

2. The combination with a player piano case, of an opening in the front of the said
10 case, of a closure proportioned to close the said opening, and slidable vertically, a lever pivoted adjacent the opening, and operatively connected with the closure, a head carried by the lever and provided with a surface
15 inclined to the length of the lever, a shaft journaled adjacent the closure and having one end within and the other end without the case, a roller carried by the inner end of the

shaft, and manipulating means carried by the outer end of the shaft. . . . 20

3. The combination with a player piano case, of a front board removably associated therewith, and provided with a pedal opening, a closure for the said pedal opening slidable vertically of the front board, a lever
25 pivoted to the front board, and removable therewith, and a crank journaled to the case and adapted to engage with and operate the lever when the front board is in position in the case. 30

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

HERMAN J. KIEFER.

Witnesses:

CHAS. W. BOGART,
JOSEPH OKTAVEC.