

A. J. BACHAND.
PIANO PEDAL.
APPLICATION FILED APR. 26, 1910.

975,670.

Patented Nov. 15, 1910.

Fig. 1.

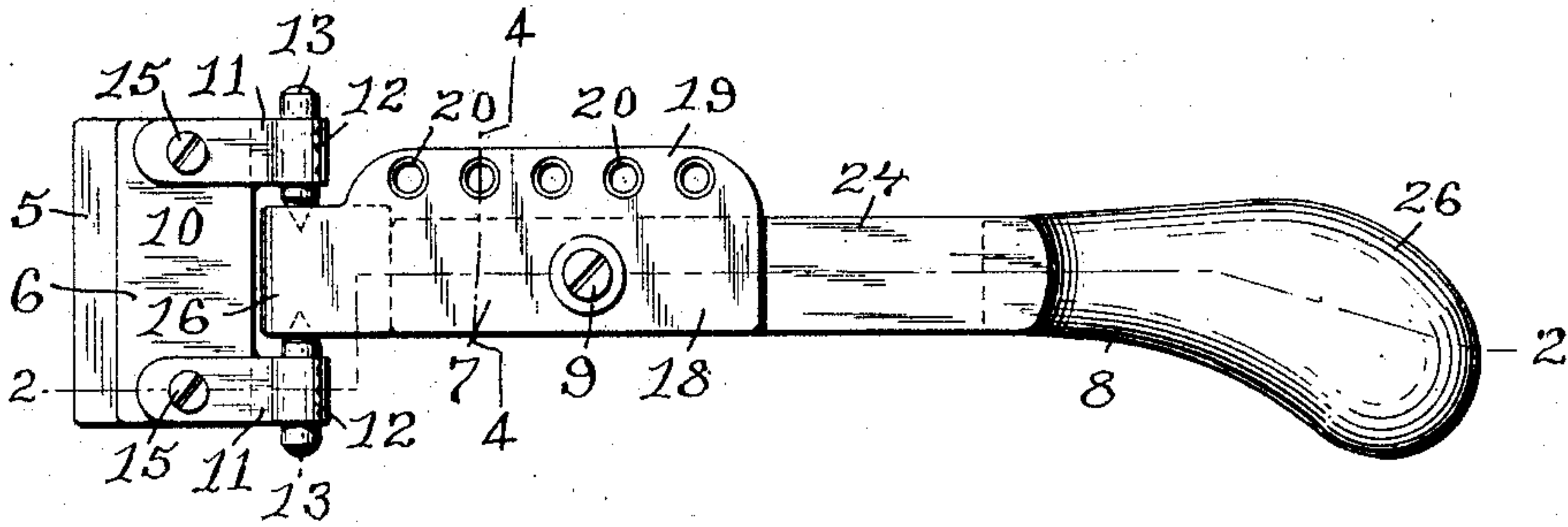


Fig. 2.

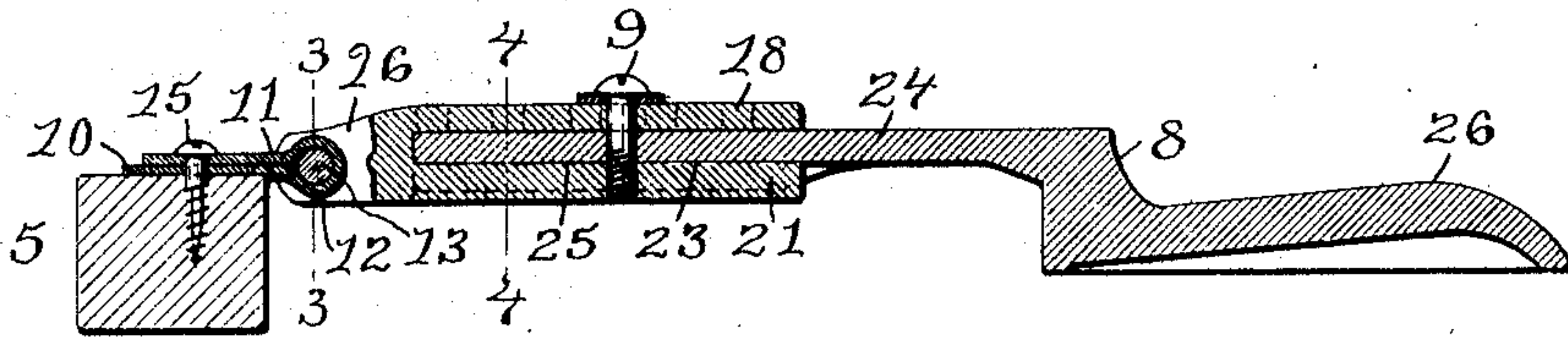


Fig. 3.

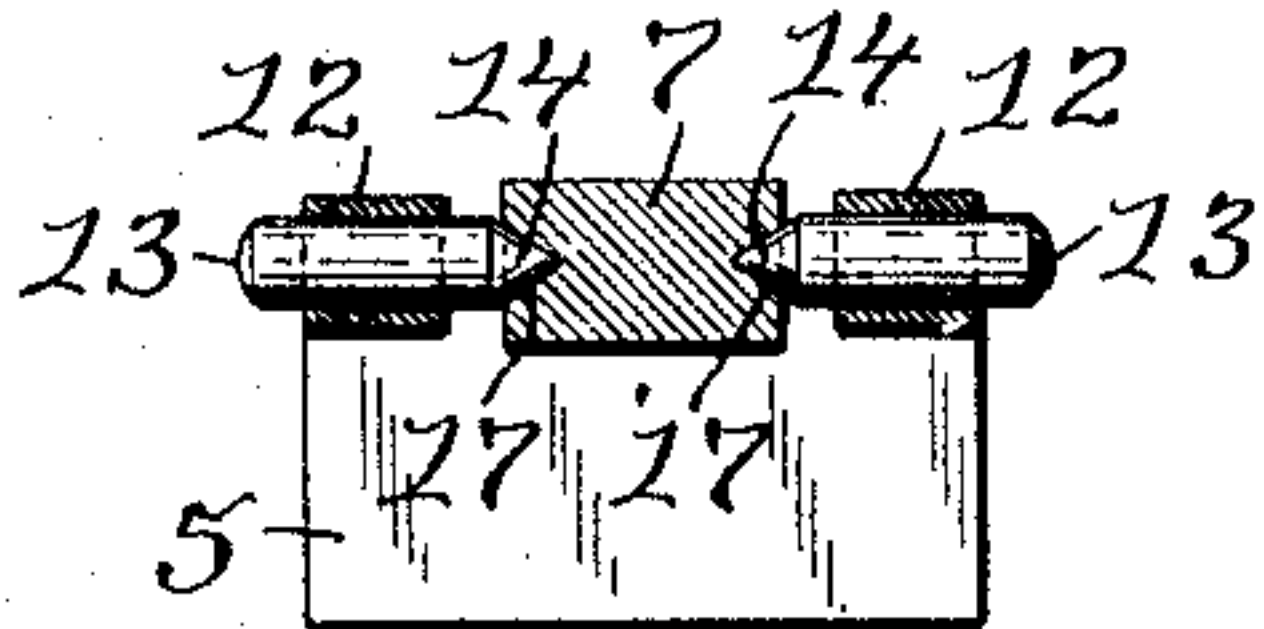
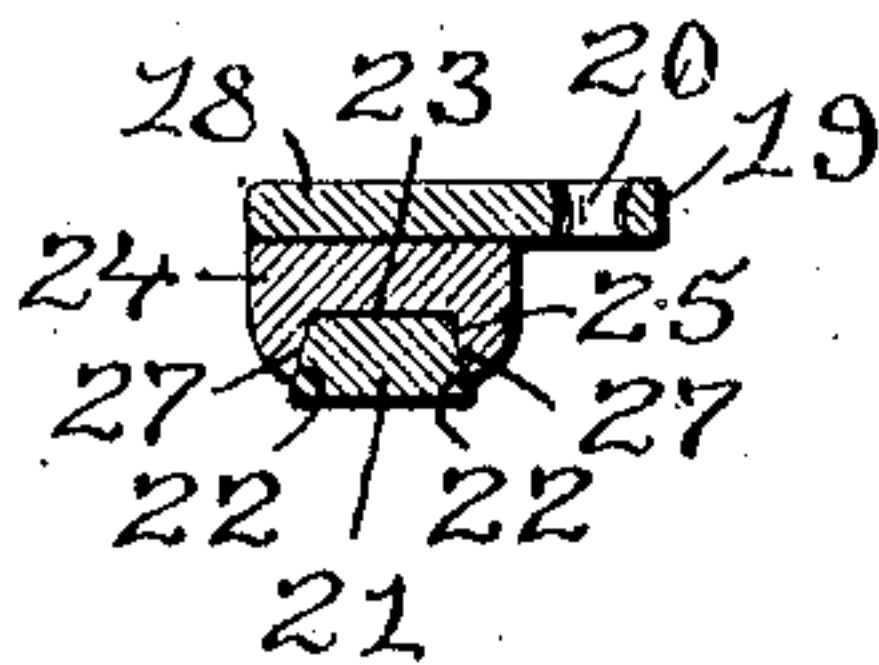


Fig. 4.



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PIANO-PEDAL.

975,670.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Application filed April 26, 1910. Serial No. 557,760.

To all whom it may concern:

Be it known that I, ALBERT JOSEPH BACHAND, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Piano-Pedals, of which the following is a specification.

This invention has reference to an improvement in pianos and more particularly to an improvement in detachable piano pedals.

The object of my invention is to improve the construction of a piano pedal, whereby when it becomes necessary to remove the pedal for refinishing or replacement, the same may be accomplished without tipping or raising the piano and without injuring or destroying any part of the piano.

A further object of my invention is to construct a detachable or separable piano pedal so that the means for detachably securing the parts of the pedal together are easily accessible from the top of the pedal.

A final object of my invention is to simplify the construction of a separable piano pedal thereby reducing the cost of manufacturing the same.

My invention consists in the peculiar and novel construction of a detachable piano pedal, said detachable piano pedal having details of construction, as will be more fully set forth hereinafter and claimed.

Figure 1. is a top plan view of my improved detachable piano pedal. Fig. 2. is a longitudinal sectional view through the pedal, taken on line 2. 2. of Fig. 1. Fig. 3. is a transverse sectional view taken on line 3. 3. of Fig. 2. through the pivot of the pedal and Fig. 4. is a transverse sectional view through the pedal, taken on line 4. 4. of Fig. 1.

In the drawings, 5. indicates the pivot block, 6. the pivot frame, 7. the pivot pedal member, 8. the toe pedal member and 9. the fastening screw of my improved detachable piano pedal.

The pivot block 5. is constructed preferably of wood in the usual way and is secured to the base of the piano in any well known way.

The pivot frame 6. is constructed of sheet metal shaped to form the plate 10. with the arms 11. 11. which are shaped to form the cylindrical ends 12. 12. and are bent back on to the plate 10. A pivot pin 13.

having a pointed end 14 is adjustably clamped in each of the cylindrical ends 12. by a screw 15. which extends through holes in the arms 11. 11. and the plate 10. into the pivot block 5. thereby clamping the arms 11. 11. to the plate 10. and securing the plate 10. to the pivot block 5. as shown in Fig. 2.

The pivot pedal member 7. has a pivot end 16. in opposite sides of which are the pivot holes 17. 17. which the pointed ends 14. 14. of the pivot pins 13. 13. enter, as shown in Fig. 3. This member is split lengthwise horizontally to a point adjacent the pivot end 16. into parallel arms forming an upper arm 18. which has a side extension 19. in which is a series of holes 20. 20., a lower arm 21. having the inwardly beveled side edges 22. 22. and a central longitudinal horizontal slot 23. as shown in Figs. 2. and 4.

The toe pedal member 8. has the arm 24. with a longitudinal groove 25. in its under side and a toe end 26. of any conventional shape. The arm 24. has a sliding fit in the slot 23. in the pivot member and the groove 25. has outwardly beveled edges 27. 27. to fit the beveled edges 22. 22. on the arm 21. of the pivot member.

The fastening screw 9. extends from the top downward through holes in the arms 18. 24. and 21. and is screw-threaded into the arm 21. as shown in Fig. 2.

The toe member 8. is attached to the pivot member 7. by inserting the arm 24. lengthwise into the slot 23. between the arms 18. and 21. on the pivot member 7. and secured in position by the screw 9. By tightening the screw 9. the arm 24. on the toe member 8. is clamped between the arms 18. and 21. on the pivot member and the beveled edges 22. 22. on the arm 21. engaging with the beveled edges 27. 27. of the groove 25. in the arm 24. holds the members of the pedal firmly together. The toe member 8. of the pedal is easily and quickly removed when required, by unscrewing the screw 9. which being on the top of the pedal is easily got at. The toe member 8. being interchangeable, the dealer can keep a stock of the same on hand, and the working parts of the piano are entirely separate from the toe members. The rods connected to the working parts of the piano are secured to the side extension 19. on the pivot member 7. through the holes 20. 20. in a well known way. The pivot

pins 13. 13. are adjusted for wear, by loosening either of the screws 15. 15. moving the pins inward and then tightening the screws, thereby clamping the pins firmly in position, 5 in the arms 11. 11.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

1. A separable piano pedal consisting of a 10 pivot member having integral parallel arms, one of the arms having a side extension in which is a series of holes, a toe member having an arm adapted to enter between the parallel arms on the pivot member, and 15 means for detachably securing the arm on the toe member to the pivot member, whereby the toe member is clamped between the parallel arms of the pivot member.

2. A separable piano pedal comprising a 20 pivot block, a pivot member having parallel arms forming a longitudinal slot between the arms, one of the arms having a side extension in which is a plurality of holes, a toe member having an arm adapted to have a 25 sliding fit in the slot between the parallel arms of the pivot member, means for detachably securing the arm on the toe member to the pivot member whereby the arm on the toe member is clamped between the parallel 30 arms of the pivot member and means for pivotally securing the pivot member to the pivot block.

3. A separable piano pedal consisting of a 35 pivot member having upper and lower parallel arms forming a longitudinal slot between the arms, the upper arm having a side extension in which is a series of holes and the lower arm having inwardly beveled edges, a toe member having a toe end and 40 an arm with a longitudinal groove in its under side, the edges of the groove being outwardly beveled, said arm having a sliding fit in the slot between the parallel arms on the

pivot member, and means for detachably securing the arm on the toe member to the 45 pivot member, whereby the arm on the toe member is clamped between the parallel arms of the pivot member.

4. In combination, a separable piano pedal comprising a pivot block, a pivot frame 50 stamped from sheet metal and shaped to form a plate with two arms each of which are shaped to have cylindrical ends, the arms being bent back on to the plate, a pivot pin having a pointed end and adjustably 55 clamped in each of the cylindrical ends of the arms and screws which extend through holes in the arms and plate and into the pivot block, a pivot pedal member having a pivot end in opposite sides of which are 60 holes which the pointed ends of the pivot pins enter and parallel upper and lower arms, the upper arm having a side extension in which is a series of holes and the lower arm having inwardly beveled edges, a toe 65 pedal member having a conventional toe shape end and an arm with a longitudinal groove in its under side, the edges of the groove being outwardly beveled, said arm having a sliding fit between the parallel arms on the 70 pivot pedal member, and means for detachably securing the arm on the toe member to the pivot member, whereby the arm of the toe member is clamped between the parallel arms of the pivot member, consisting of a 75 screw which passes from the top downward through holes in the arms of the pivot and toe members and is screw-threaded into the lower arm of the pivot member.

In testimony whereof, I have signed my 80 name to this specification in the presence of two subscribing witnesses.

ALBERT JOSEPH BACHAND.

Witnesses:

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