

D. W. BARTON.
 BELL ATTACHMENT FOR PIANOS AND THE LIKE.
 APPLICATION FILED OCT. 25, 1911.

1,050,513.

Patented Jan. 14, 1913.

2 SHEETS—SHEET 1.

FIG. 1.

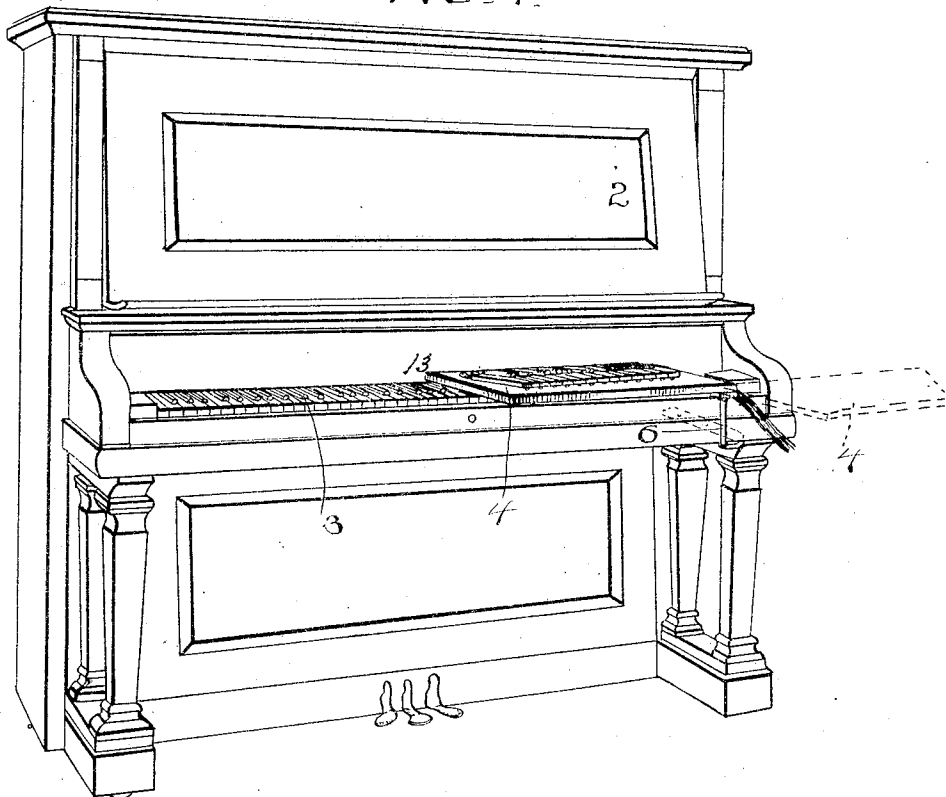
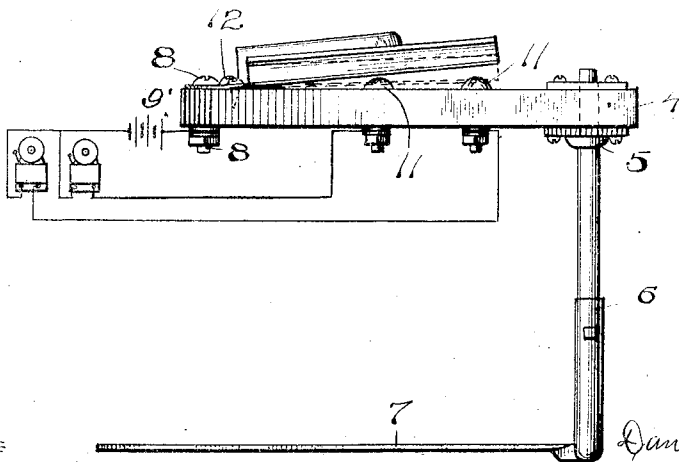


FIG. 4.



Witnesses

R. S. Frogner.
 A. Kitchen

Inventor

Daniel W. Barton

By

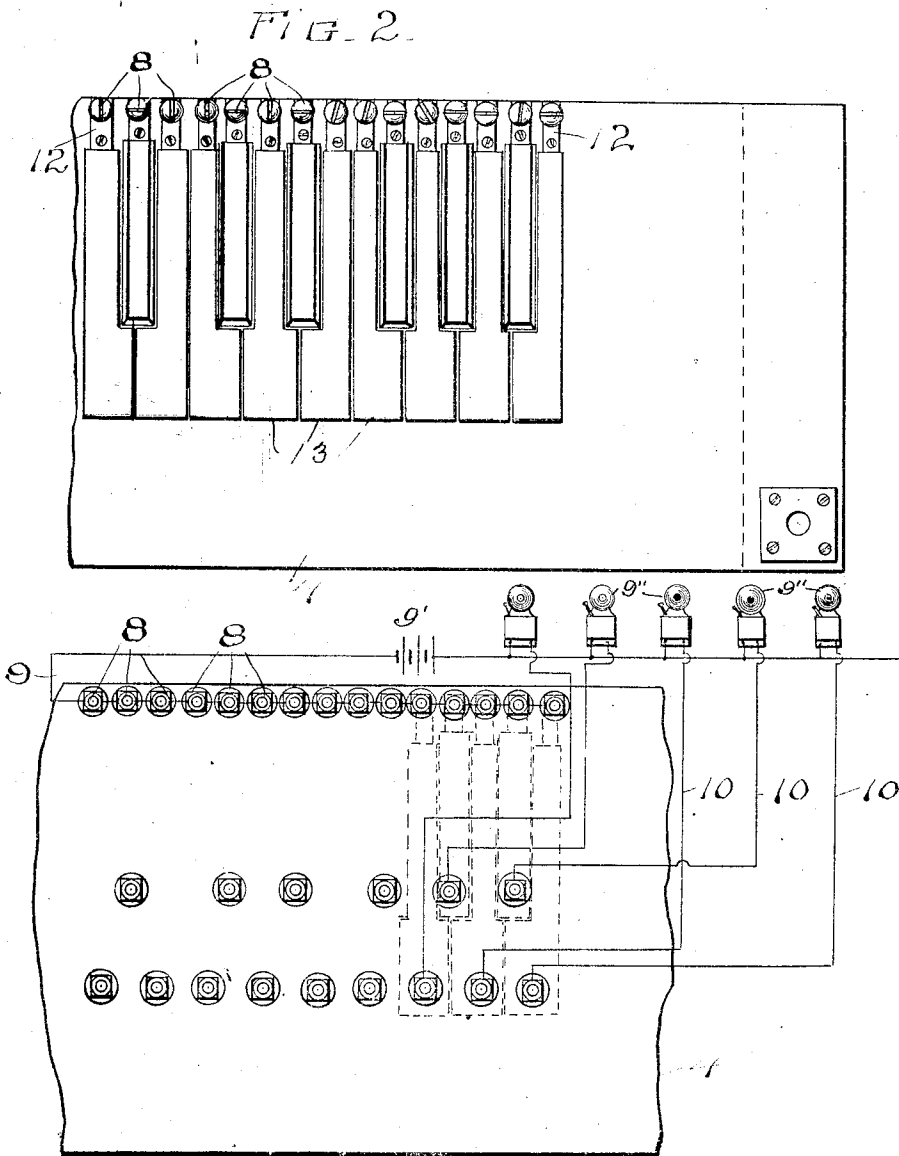
Mason Farnick Lawrence
 his Attorneys

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2 SHEETS—SHEET 2.



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A. L. Kitchen

Inventor
Daniel W. Barton
 By *Mason F. Lawrence*
 his Attorneys

UNITED STATES PATENT OFFICE.

DANIEL W. BARTON, OF OSHKOSH, WISCONSIN.

BELL ATTACHMENT FOR PIANOS AND THE LIKE.

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Specification of Letters Patent.

Patented Jan. 14, 1913.

Application filed October 25, 1911. Serial No. 656,688.

To all whom it may concern:

Be it known that I, DANIEL W. BARTON, citizen of the United States, residing at Oshkosh, in the county of Winnebago and State of Wisconsin, have invented certain new and useful Improvements in Bell Attachments for Pianos and the Like, of which the following is a specification.

This invention relates to musical means auxiliary to an ordinary piano and adapted to be attached thereto and be applied upon an auxiliary key-board located directly above the regular key-board of a piano and in like manner.

A further object of the invention is to provide a plurality of electric bells tuned to correspond to the several musical notes represented by the keys of a key-board instrument with circuits including such bells closed by the depression of the keys of the auxiliary key-board.

A further object of the invention is to provide a plurality of bells tuned to the chromatic scale located at a point distant from the key-board with circuits including such bells closed by the depression of the keys of the auxiliary key-board.

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

In the drawings:—Figure 1 is a perspective view of a conventional piano with a section of the auxiliary key-board shown in position above the regular key-board of the piano. Fig. 2 is a top plan view of a fragment of the auxiliary key-board. Fig. 3 is a top plan view of the base of the auxiliary key-board with the keys removed. Fig. 4 is a view in end elevation of the auxiliary key-board and means for applying to a piano.

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

As shown in the drawings, an ordinary piano as 2 is employed having the ordinary key-board 3. Above this regular key-board 3 is positioned an auxiliary key-board 4 by means of a bearing member 5 and socket member 6 the latter being secured rigidly to the piano by means of a plate 7 connected rigidly with the socket member 6 and secured upon the under side of the key-board. Along the rearward side of the auxiliary

key-board 4 a plurality of binding screws 8 are employed to which are connected a common wire 9 leading to a battery 9' and to a plurality of electric bells 9'', the circuit being completed by wires 10 leading from each individual bell to binding screws 11 carried nearer the forward edge of the auxiliary key-board 4. Secured by the binding posts 8 are a plurality of springs 12 which extend forwardly in position to contact with the binding posts 11 and for convenience of operation such springs are supplied with keys 13 of substantially the usual and ordinary type.

It will be apparent that when the keys 13 are depressed in the usual manner of operating a key-board instrument, the springs 12 which are in contact with the binding posts 8 will also be brought into contact with the binding posts 11 and some of the circuits closed leading to some of the bells 9''.

It is designed to have the bells which are tuned to the chromatic scale located at a distance from the piano so that the operation of the auxiliary key-board at the piano will cause the ringing of the bells and the production of the desired music at any distance from the piano at which the bells may be located.

I claim:—

1. The combination with a keyboard musical instrument, of a regular keyboard, an auxiliary keyboard hinged upon the instrument and adapted to swing over a portion of the regular keyboard and be in position to be played upon by one hand of the player while the other hand plays the regular keyboard, electric circuits communicating with the keys of the auxiliary keyboard and differently toned bells inserted in the circuits.

2. The combination with a keyboard musical instrument, of a keyboard, a board pivoted to the key bed and positioned to swing over the treble end of the keyboard without covering the bass end, keys carried upon the auxiliary board and positioned to be operated by the right hand of the player while the regular keyboard is operated by the left-hand, independent electric circuits for each of said keys on said auxiliary keyboard, and differently toned bells introduced in said electric circuits.

3. The combination with a keyboard musical instrument, of a regular keyboard, an auxiliary keyboard mounted to move over a

portion only of the regular keyboard and be
in position to be played upon by one hand of
the player while the other hand plays the
regular keyboard, electric circuits compris-
5 ing the keys of the auxiliary keyboard, and
differently toned sounding devices inserted
in and actuated by said electric circuits.

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

DANI L W. BARTON.

Witnesses:

MARIE WATERHOUSE,
A. R. WATERHOUSE.