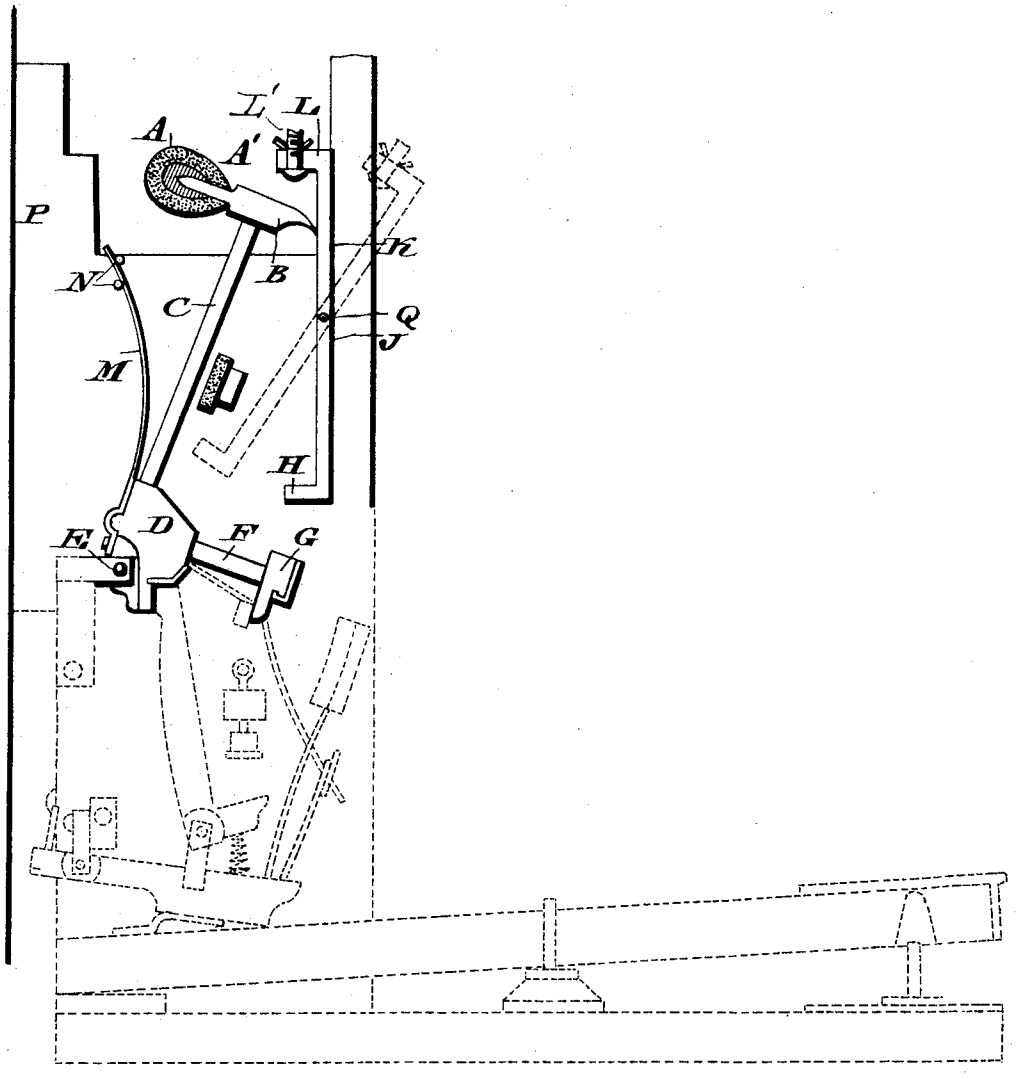
(No Model.)

R. C. SCHIRMER.

LEGATO ATTACHMENT FOR PIANOS.

No. 589,100. Patented Aug. 31, 1897.



WITNESSES:

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LEGATO ATTACHMENT FOR PIANOS.

SPECIFICATION forming part of Letters Patent No. 589,100, dated August 31, 1897.

Application filed August 22, 1896. Serial No. 603,584. (No model.)

To all whom it may concern:

Be it known that I, RICHARD C. SCHIRMER, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Legato Attachments for Pianos, which improvement is fully set forth in the following specification and accompanying drawing.

My invention consists of an improved construction of a legato attachment for pianos, the novel features of which will be hereinafter set forth, the present invention being designed as an improvement upon a prior patent granted to me April 21, 1896, No. 558,524, in legato attachments especially adapted for purposes of instruction, whereby the click caused by the removal of a finger from one key is heard simultaneously with the click caused by the depression of a successively-operated key.

The figure represents a partial side elevation and partial section of a legato attachment for pianos embodying my invention.

Referring to the drawing, A designates the head of the hammer A′, and B designates the rear portion or heel of the same, said head being mounted on the rod C, which is attached to the block D, which latter is pivoted at E to any suitable support.

F designates a rod or arm projecting from the block D, in the present instance at substantially a right angle to the rod C and having the striker G attached thereto, said striker being adapted to contact at the proper intervals with the lower portion or abutment H of the strip J, which latter has an upright body portion K.

M designates a spring which has one extremity held between the pins N or other similar devices, while its lower end is adapted to contact with the block D and accelerate the movement of the hammer in the proper direction, it being of course understood that the contact of the striker G with the abutment H will prevent the head A of the hammer from contacting with the piano-string P.

The operation is as follows: When the hammer is actuated, which can be effected in any usual or convenient manner, the contact of the striker G with the abutment H will produce the first click, and the movement of the head A will be checked before the latter reaches the string P, while the second click is produced by the contact of the rear portion B of the hammer with the body K of the strip J, it of course being understood that in strict legato playing when two keys are played in succession the first click of the second key is simultaneous with the second click of the first key, so as to sound as one.

In order to make provision for readily adjusting the strip J and throwing the same into and out of the path of the hammer and striker, I mount said strip or strips pivotally at Q, wherefrom it will be seen that by swinging the strips into the position seen in dotted lines the hammer and striker cannot contact therewith and the piano can be used as for ordinary playing.

It will of course be understood that the strip J can be held in either of the positions indicated by any suitable means, it having not been deemed necessary to illustrate the same.

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

1. In a legato attachment, a pivoted strip having a suitable support, a hammer having its heel adapted to strike said strip, and a striker connected with said hammer and adapted to also contact with said strip.

2. In a legato attachment, a strip of suitable material located at the rear and in the path of a piano-hammer, a block upon which the latter is mounted, a striker carried by said block, an abutment near the lower extremity of said strip, and adapted to be hit by said striker, while the heel of said hammer is adapted to contact with the body of said strip.

3. In a legato attachment, a piano-hammer, a block upon which the same is mounted, a striker connected with said block and a spring having one end contacting with said block, in combination with a strip mounted at the rear and in the path of said hammer, and having a body portion against which the heel of

said hammer is adapted to impinge, said strip having an abutment at or near its lower portion, located in the path of said striker.

4. In a legato attachment, a pivoted strip having an abutment at its lower end, a pivoted block provided with projecting arms, one of which has secured thereto a hammer provided with a projecting heel contacting with the body of said strip, and the other arm having a striker adapted to contact with said abutment thereby preventing the contact of the hammer-head with a string.

RICHARD C. SCHIRMER.

Witnesses:
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E. H. FAIRBANKS.