



Date of Application, 21st July, 1891

Complete Specification Left, 20th Apr., 1892—Accepted, 16th July, 1892

PROVISIONAL SPECIFICATION.

Improvements in Stringed Instruments.

I, CHARLES HUELSEK of the firm of Huelser & Co., of Temple Chambers, London, International Patent Agency, do hereby declare the nature of this invention, a communication to me from abroad by Paul Stark and Carl August Gütter of Markneukirchen, in the Empire of Germany, Manufacturers, to be as follows :—

The object of this invention is a slide, which is applied to stringed instruments and, according as it occupies the one or other position, allows only a certain group of chords to be struck by means of a pin, while it covers the rest of the strings. Said slide consists of a number of parallel bars connected with each other at the ends and can be moved lengthwise to and fro in guidings provided on the instrument. One of the bars has a longitudinal slot in which a turn button is provided for fixing the slide in any desired position. In the interstices between the single bars short cords are stretched which cover those strings, which are not to sound, and leave free between them those strings which sound together in harmony.

To allow single strings to be tuned half a tone higher, as is required for single chords, tappets are laid on, which are provided on a rod near the end of the strings. Said rod tends to turn round by the action of spiral springs surrounding it at its projecting ends and is held by arms of a slide movable in a guide. It carries moreover another arm, which is depressed when the tappets are to be lifted. By displacing the last mentioned slide, the tappets can be brought over the desired strings.

Dated this 21st day of July 1891.

HUELSEK & Co.,
Agents for the Applicant.

COMPLETE SPECIFICATION.

Improvements in Stringed Instruments.

I, CHARLES HUELSEK of the firm of Huelser & Co. of Temple Chambers, London, International Patent and Trade Mark Offices, do hereby declare the nature of this invention, a communication to me from abroad by Paul Stark and Carl August Gütter, of Markneukirchen, in the Empire of Germany, Manufacturers, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement :—

This invention relates to a slide, which is applied to stringed instruments and, according as it occupies the one or other position, allows only a certain group of chords to be struck by means of a pin, while it covers the rest of the strings.

In the accompanying drawings

Fig. 1 is a plan of a zither provided with my invention ;

Fig. 2 is a section and Fig. 3 a front view of the same.

Figs. 4 and 5 are plans of the same instrument with the slide in different positions.

Said slide A chiefly consists of parallel bars connected with each other at the ends and moveable lengthwise to and fro on guide rails C applied to the instrument. One of the said guide bars has a slot, in which a turn button is provided for fixing the slide in any desired position. The interstices between the bars composing the slide are bridged over by short cords B which cover those strings which are not

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to sound, and leave free between them those strings which sound together in harmony.

For instance, in the position represented by Fig. 1, the lowest slot of the slide allows the player to strike the group of notes which sound in harmony with G sharp, while the intermediate slot allows the group which harmonises with D sharp, and the third or uppermost slot the group harmonising with C sharp to be struck.

For striking the strings, I employ a pin L. If the slide A be shifted into the positions shown by Figs. 4 or 5, other groups of notes may be struck in the three slots. When the slide A has been placed into the desired position, it is secured therein by means of the turn button D.

In order that single strings may be tuned half a note higher, tappets E are laid on, which are mounted on a rod F situated near the ends of the strings. Said rod E tends to turn on its axis by the action of spiral springs G surrounding it at its projecting ends, and is held by arms J of a slide J¹ moveable in a guide plate K. The rod F carries moreover another arm H, on which the player presses with the hand, when the tappets E are to be lifted. By displacing the slide J¹, the tappets E can be brought over the desired strings.

Having now particularly described and ascertained the nature of the said invention, and in what manner the same is to be performed, I declare that what I claim is:—

An attachment to stringed instruments for allowing only predetermined groups of notes to be struck, said attachment or device comprising a slide A moveable on guides C and having parallel slots which are bridged over by strings B adapted to cover the strings of the instrument, substantially as described.

Dated this 19th day of April 1892.

HUELSEK & Co.,
Agents for Applicant.

FIG-1-

FIG-2-

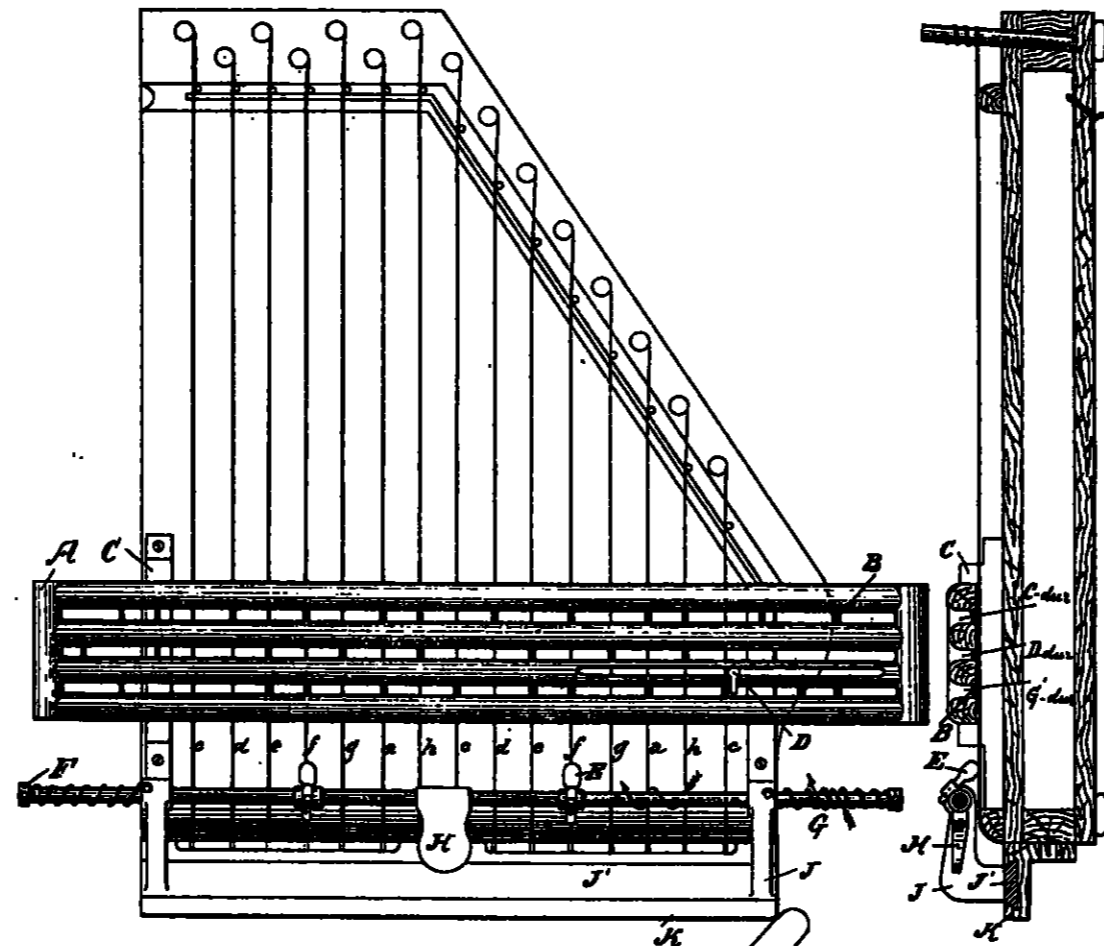


FIG-3-

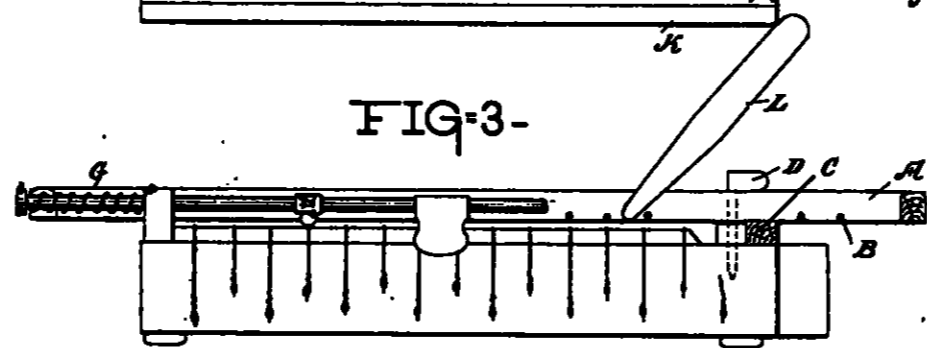


FIG-4-

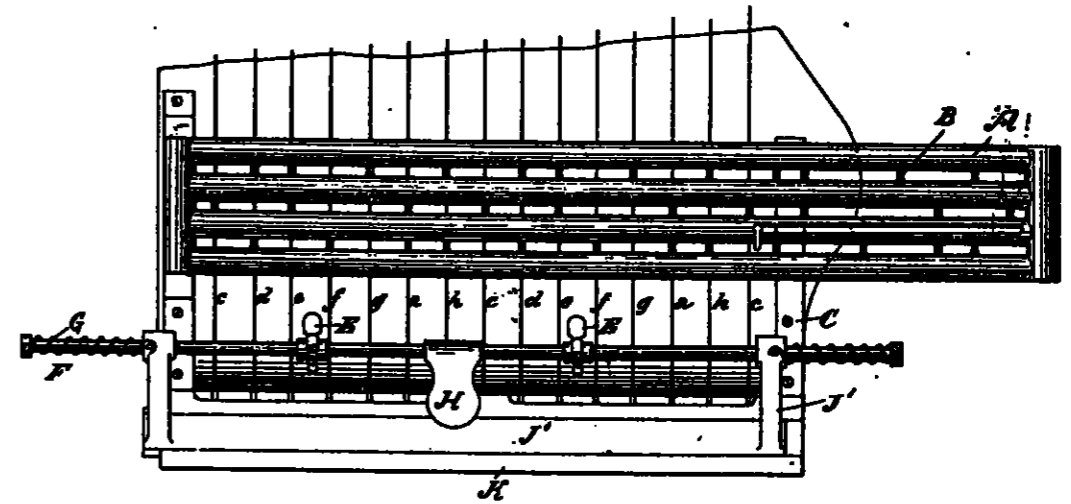
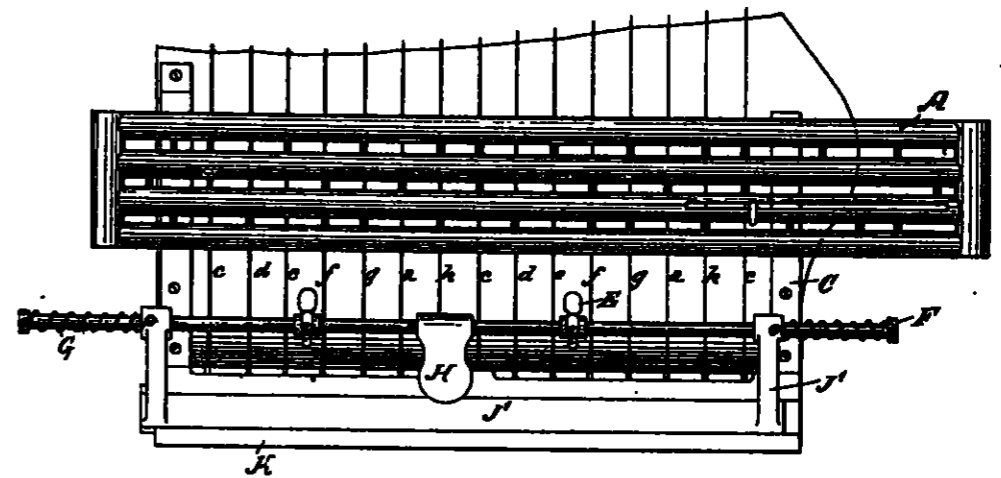


FIG-5-



[This Drawing is a reproduction of the Original on a reduced scale]