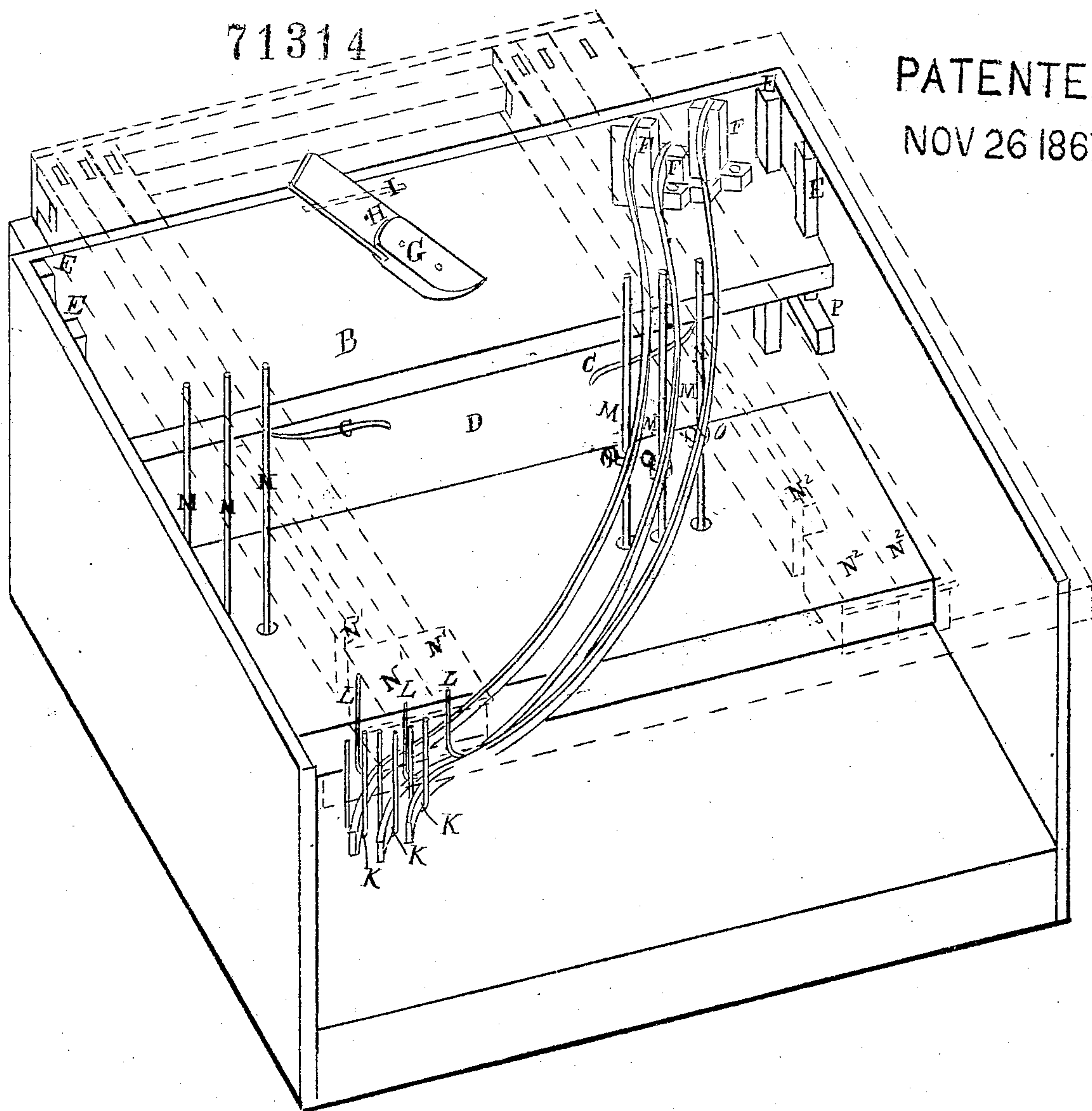


LING & CHANDLER'S

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PATENTED
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ORGAN & MELODION COUPLING

WITNESSES

H. A. M. M. M.
Wm. A. Krag

INVENTORS

Conrad Ling
G. S. Chandler

United States Patent Office.

CONRAD LING AND GEORGE S. CHANDLER, OF DETROIT, MICHIGAN.

Letters Patent No. 71,314, dated November 26, 1867.

ORGAN AND MELODEON-COUPLING.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that we, CONRAD LING and GEORGE S. CHANDLER, of the city of Detroit, in the county of Wayne, in the State of Michigan, have invented a new and improved Organ and Melodeon-Coupling; and we do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon; and being a part of this specification.

The object of this invention is to simplify the coupling of octave keys by a single lever at the back, and extending on to a shoulder on the sticker-pin, and then to the front of the keys.

In building our coupling, we use an ordinary frame, A, for our action, at the back of which we place the bar B, supported upon the springs C C, the lower ends of which are attached to the sounding-board D. E E, &c., are guides to steady and hold the bar B in place. Upon the bar B we fasten the blocks F F F, to which is attached one end of the levers J J J. These levers extend nearly to the front of the instrument, and the front ends of them are supported by the supporters and guides K K K. G is a dog, hung upon the fulcrum-pin, H, and passes through the slot I, shown in red lines, and being a slot through the cover of the action-frame A. This dog will be connected by any suitable device to the "stop," generally placed near to the key-board; and convenient to the player. L L L are connecting-pins, between the keys N¹ N¹ N¹ and the levers J J J. M M M are sticker-pins, provided with shoulders O O O. The keys N¹ N¹ N¹ and N² N² N², as well as the top of the action-frame, and the slot I, through said top, are all shown in red lines.

To use our invention, the operator draws out the proper "stop," which is connected suitably to the dog G, which forces down the bar B to the cleat P. The bar B being forced down, as described, the ends of the levers J, &c., attached to the blocks F, &c., also drop, when the centres of the levers rest upon the shoulders O, &c., in the sticker-pins M, &c., which shoulders act as fulcras, and bring the front ends of the levers against the connecting-pins L L L; then, by pressing either of the keys N¹, the connecting-pin L is forced down upon the end of the lever J. This depression forces the centre of the lever J upon the shoulder O of the sticker-pin M, which is also forced down, bringing with it the key N², corresponding to the one touched by the player.

What we claim as our invention, and desire to secure by Letters Patent, is—

The combination of the bar B, the spring C, the sounding-board D, the guides E, the blocks F, the dog G, hung upon the fulcrum H, the levers J, the supporters or guides L, the sticker-pins M, provided with shoulders O, the cleat P, in conjunction with the action-frame A, the keys N¹ N², and a proper stop, all arranged substantially as described for the purpose designed.

CONRAD LING,
GEO. S. CHANDLER.

Witnesses:

H. P. HANNAMAN,
WM. AKRAG.