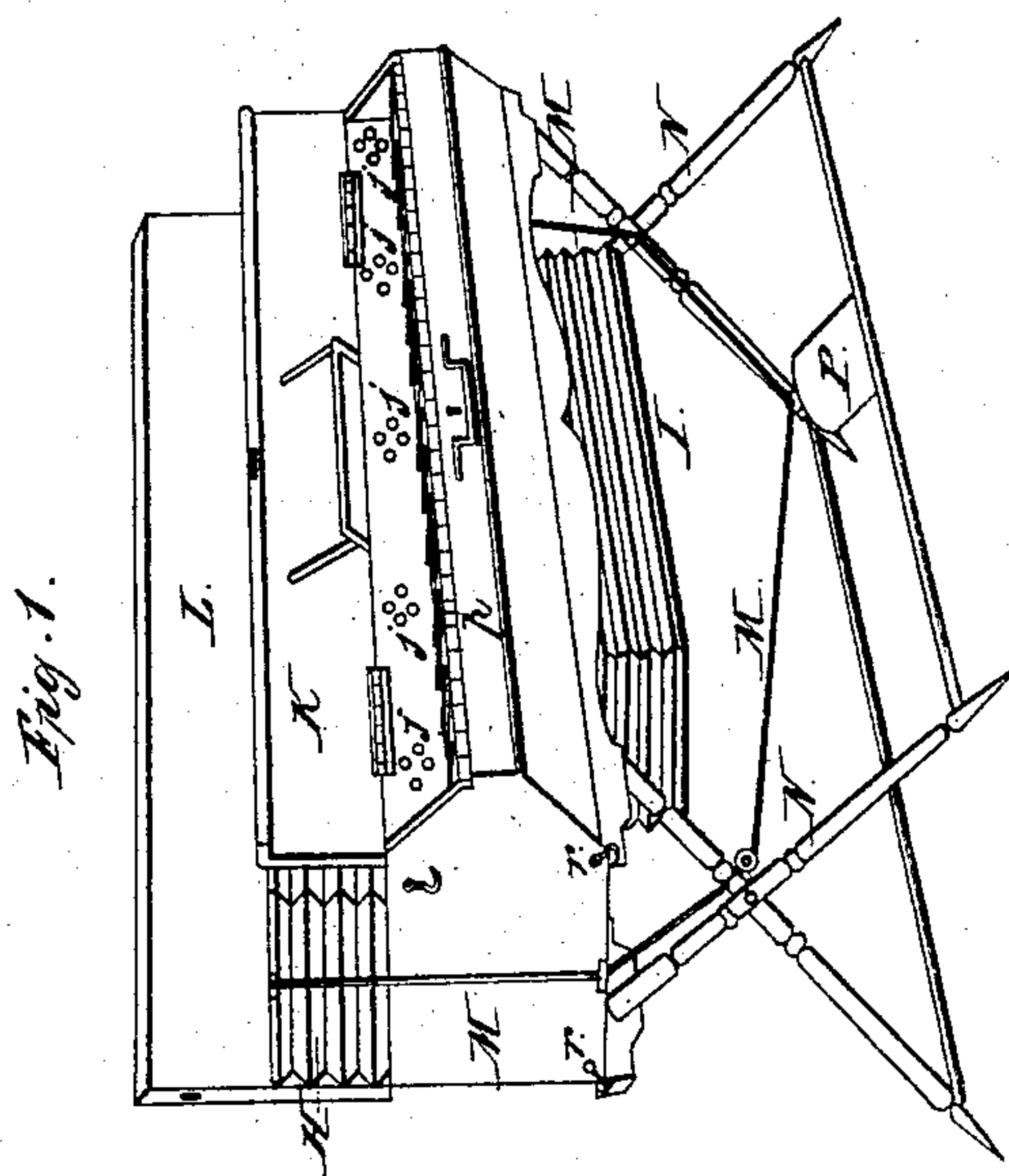
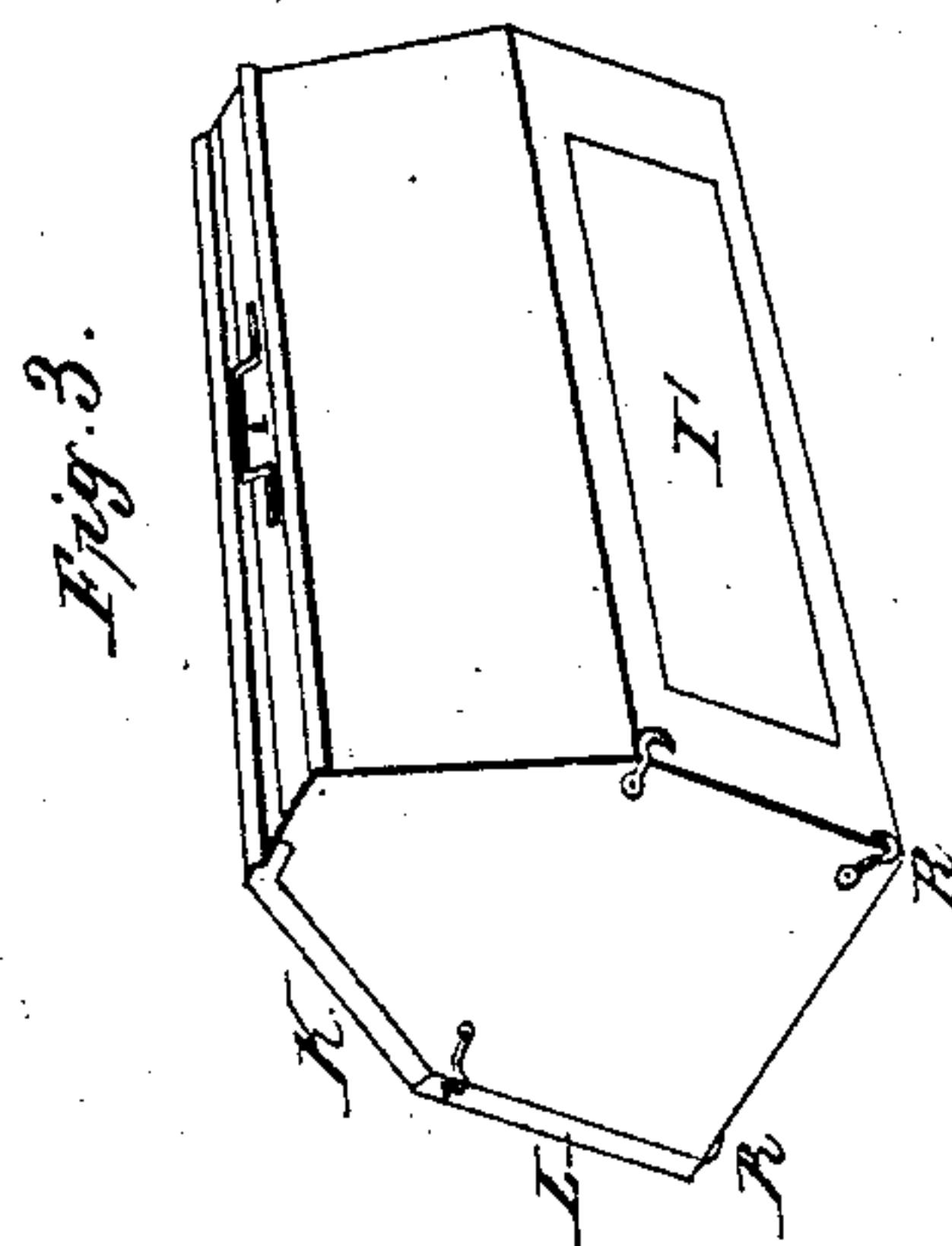
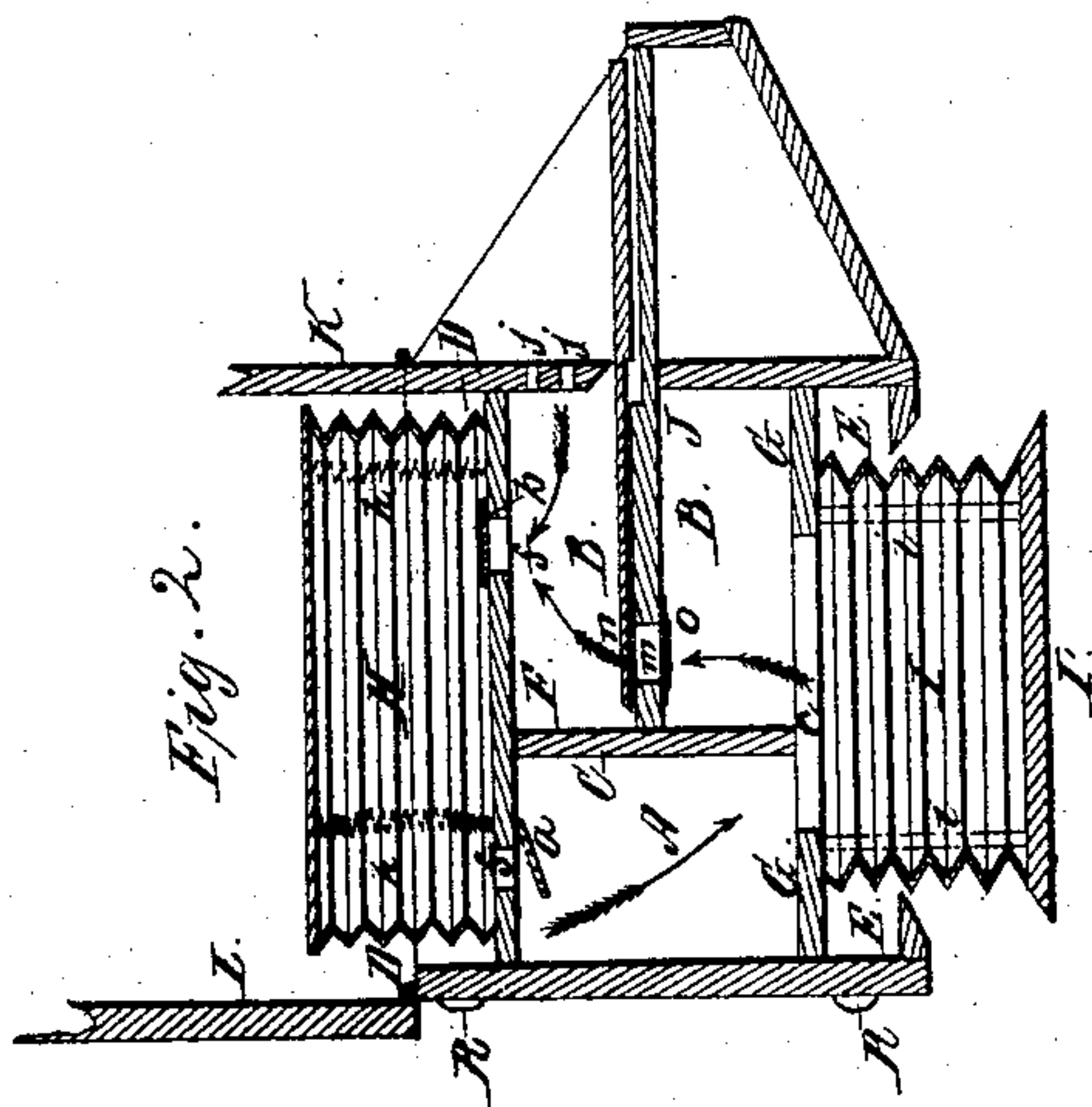


*Müller & Kaiser,*

*Reed Organ.*

*N<sup>o</sup> 7,204.*

*Patented Nov. 19, 1867.*



*Witnesses:*  
*John A. Quershim*  
*J. Curand*

*Inventors:*  
*Joseph Müller*  
*Frederick Kaiser*  
*Muedersheim & Co.*  
*Attorneys*

# United States Patent Office.

JOSEPH MÜLLER AND FRIEDERICH KAISER, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 71,204, dated November 19, 1867.

## FLUTINA-MELODEON.

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

### TO ALL WHOM IT MAY CONCERN:

Be it known that we, JOSEPH MÜLLER and FRIEDERICH KAISER, both of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and improved Flutina-Melodeon; and we do hereby declare the following to be a full and correct description of the same, sufficient to enable others skilled in the art to which our invention appertains to fully understand and construct the same, reference being had to the accompanying drawings, which make part of this invention, and in which—

Figure 1 is a perspective view of our flutina-melodeon.

Figure 2 is a vertical cross-section of the same, showing the interior, and

Figure 3 is a perspective view of the same when used as an accordeon.

Similar letters of reference indicate corresponding parts in the several figures.

The nature of our invention consists in the novel construction of a flutina-melodeon, by means of which the same can be used as a melodeon or as an accordeon, at the pleasure of the player.

The body of the flutina-melodeon is divided into two compartments, A and B, by the partition C. The front and back boards of this body extend upwardly beyond these compartments A and B, and form two other compartments, D and E, D being situated above and E below the compartments A and B.

To the boards F and G of the compartments D and E, respectively, are secured bellows H and I, H being held in an extended position by springs *h*, and I in a closed position by the springs *i*. The bellows H has communication with the compartments A and B by means of openings *f* and *f'*, respectively, in the board F, the opening *f* being provided with a valve, *a*, opening into the compartment A, and the opening *f'* with a valve, *b*, opening from the compartment B into the bellows H. The bellows I communicate with both compartments A and B by means of the opening *c*. The bottom, *I'*, of the bellows I closes the compartment E.

J is the key-board, extending inwardly to the partition C, and provided with openings *m*, under which the reeds *o* are secured, and which are opened or closed by the keys *n*. *j* are holes in the front board of the compartment B, through which air is admitted to the same.

K is the lid which covers the key-board, and L the lid to close the flutina-melodeon, after compressing the bellows H. These lids are held down by any suitable means. M, fig. 1, are cords attached to the top board of the bellows H, passing downward through small blocks attached to the folding-stand N, and connected to the treadle P.

The body of the flutina-melodeon, when resting on the folding-stand N, is secured to the same by means of hooks *r* or any other suitable device.

When the flutina-melodeon is to be used as a piano, it rests on the folding-stand N. The lid L is opened and the bellows H expanded by means of the springs *h*, it being filled with air drawn in through the holes *j* and opening *f'*, the valve *b* opening inwardly. The treadle P being now depressed, the bellows H are compressed again, by means of the cords M, forcing the air through the opening *f* into the compartment A, and through the opening *c* into the bellows I, which are, by these means, expanded. As soon as the pressure ceases, by allowing the treadle to rise, the springs *i* contract the bellows I, and force the air into the lower part of the compartment B. As soon as any of the keys are touched, their inner ends are elevated, and allow the air to rush through the reeds *o* and openings *m* into the upper part of the compartment B, from whence it is again drawn up into the bellows H, which at this time is expanding by means of the springs *h*. In this manner the air makes a continuous circuit, fresh air being drawn in through the holes *j*, as it is needed, by the force of the current. It will be easily understood that, by depressing the treadle more or less, louder or softer tones can be produced at will, and the swelling properly graduated. The tones can be held *ad infinitum* as long as air is supplied to the instrument.

The size of the instrument is such that it can be used as an accordeon. To do this, the cords M are detached from the bellows H, the body of the flutina-melodeon placed on the knees of the person playing, in the position shown in fig. 3, and the bellows H operated with the left hand, while the keys are played with the right hand.

This flutina-melodeon can be easily carried from place to place, and is therefore well adapted to be used for excursions, parties, and at all places where music is to be provided, as its weight will be very little. Its back



board is provided with studs R, which serve to protect the back of the flutina-piano when on the stand, forming a bearing against the wall, and preventing any dampness in the latter reaching the case. When detached from the stand N, the back board of the melodeon forms the bottom of the case, as shown in fig. 3, and the studs R protect it, when placed on the ground.

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

1. The musical instrument herein described, adapted to be played either as a melodeon or as an accordeon, substantially as described.
2. Supplying fresh air to the continuous current of air in the instrument through the holes j, in the front of the upper part of the double chamber B, substantially as described.
3. The construction of the body of the flutina-melodeon with a lid, L, closing on the upper bellows, and lid K, closing the key-board, forming one side, and the bottom board I' of the bellows I automatically closing the opposite side, whereby the body of the instrument is closed on all sides, and forms a portable case, substantially as described.
4. The treadle P, the detachable cord M, and folding-stand N, when combined and adapted for the purpose, substantially as described.

To the above we have signed our names this twenty-fourth day of June, 1867.

JOS. MÜLLER,  
FRIEDERICH KAISER.

Witnesses:

WM. M. CLARK,  
WILLIAM GRAF.