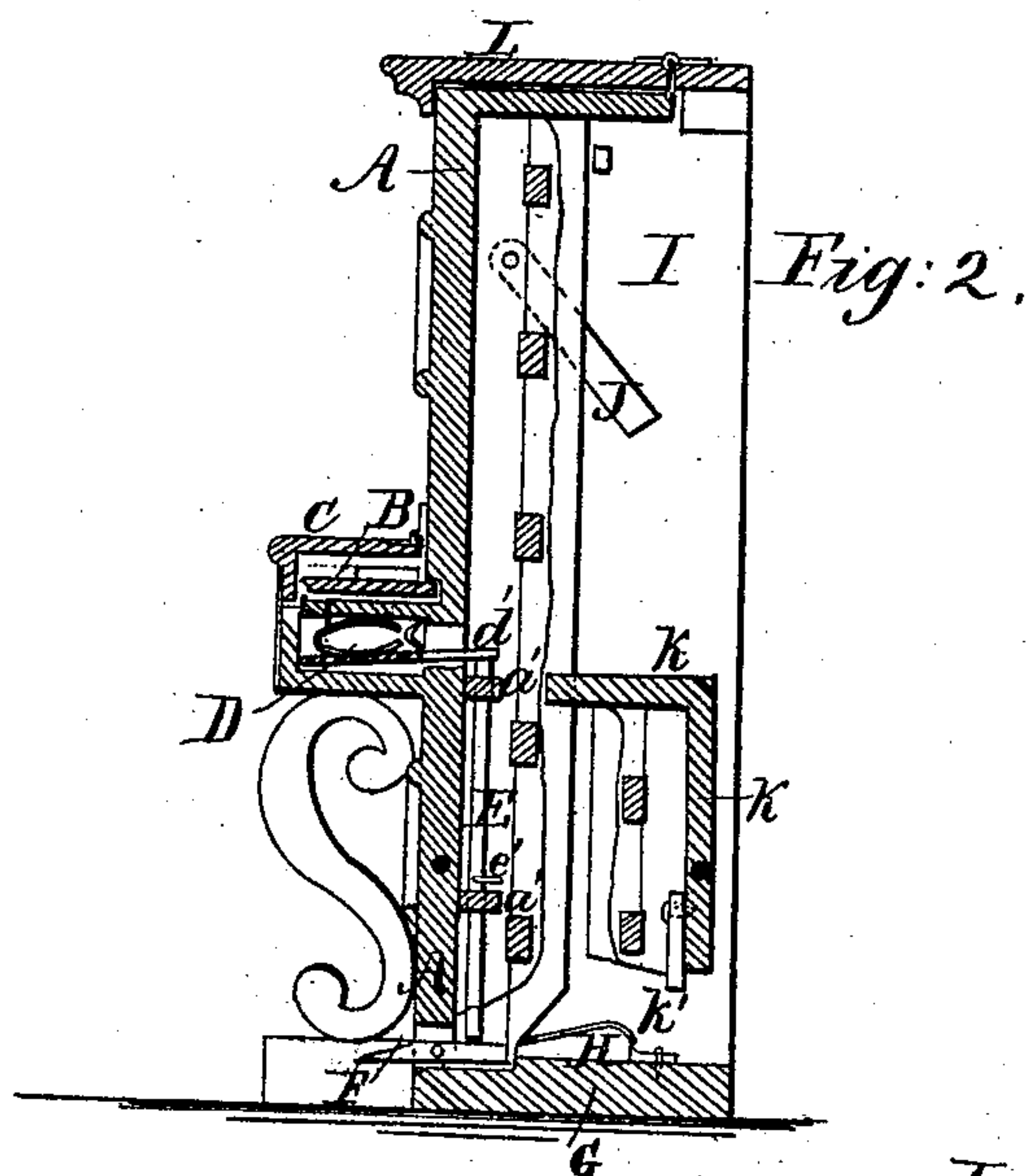
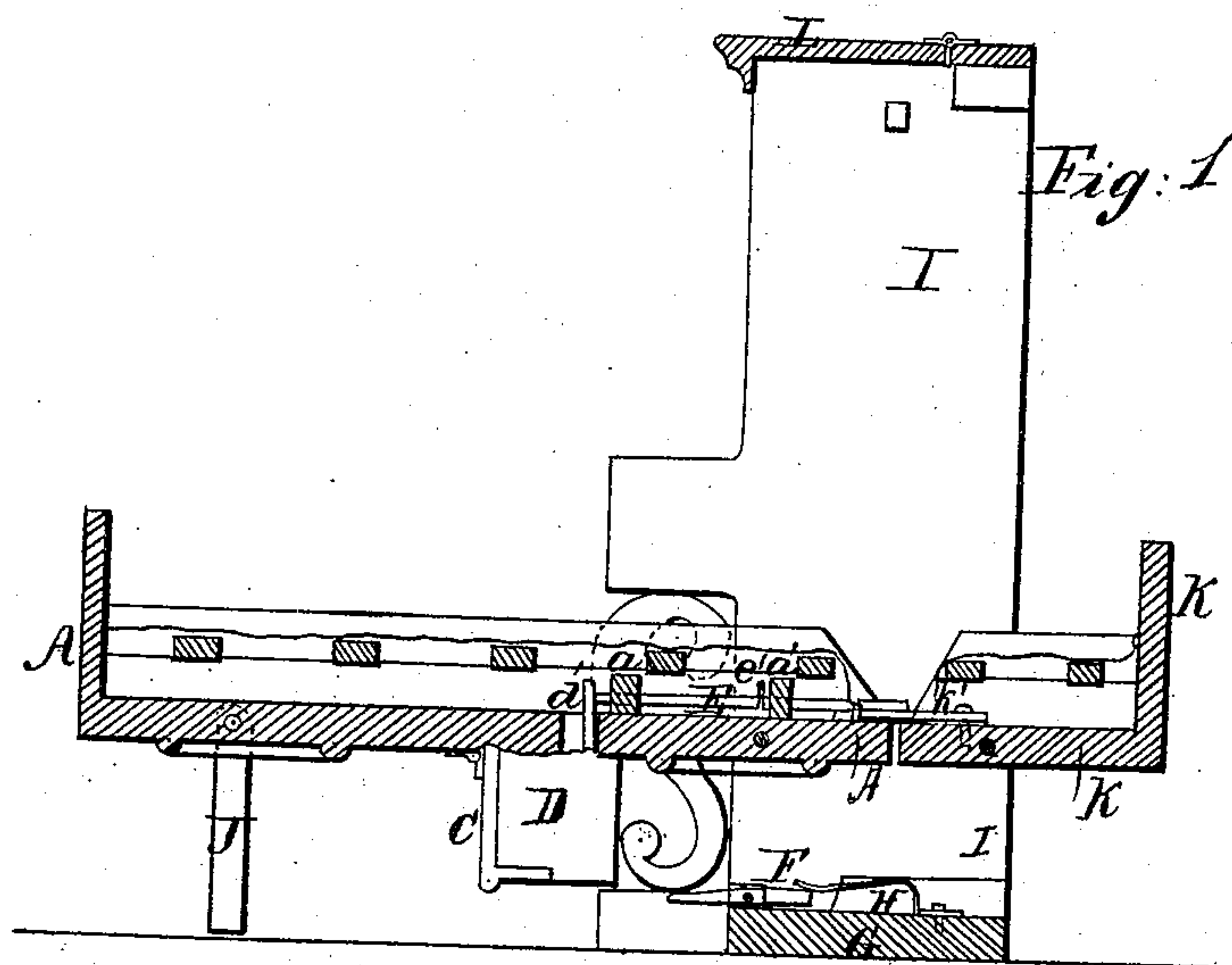


*J. Mc Donald.*

*Bed and Musical Instrument.*

*N<sup>o</sup> 97,101.*

*Patented Nov. 23, 1869.*



*Witnesses;*

*A. W. Blumquist  
Alex F. Roberts*

*Inventor;  
John Mc Donald  
By Mmm Co.*



# United States Patent Office.

JOHN McDONALD, OF NEW YORK, N. Y.

Letters Patent No. 97,101, dated November 23, 1869.

## IMPROVEMENT IN COMBINED BED AND MUSICAL-INSTRUMENT BOARD.

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

*To all whom it may concern:*

Be it known that I, JOHN McDONALD, of the city, county, and State of New York, have invented a new and useful Improvement in Combined Bed and Key-Board Musical Instrument; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical section of my improved device opened out to serve as a bed.

Figure 2 is the same view as fig. 1, but showing the device closed.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish a key-board musical instrument, which shall be so constructed, that it may be opened up to serve as a bed, and which, when closed, shall have every appearance of, and may in fact be a real instrument, suitable to be placed in a parlor or sitting-room; and

It consists in constructing the case of a key-board instrument, in such a way that it may receive a mattress or other bedding, and may be opened up to serve as a bed.

A is the case of the instrument, which, in the drawing, is represented as being a melodeon, with a case somewhat similar to that of an upright piano.

B are the keys, which are covered with a hinged lid or cover, C, and beneath which are formed the wind-chest and bellows E.

E are the treadle-rods, the upper ends of which are connected with or rest against the arms or levers *d*' of the bellows.

The treadle-rods E pass through guards or guides *a*', attached to the case A, so as to keep them always in their proper position.

The treadle-rods E should also be provided with pins *e*', or other stops, to prevent them from dropping out while the case is being raised and lowered, and which should be so arranged as not to interfere with the proper operation of the said rods when the instrument is being played upon.

F are the treadles, which are pivoted to supports, permanently attached to the base G of the case; and which are provided with springs H, to hold them in proper position when released from the treadle-rods E, said treadles and treadle-rods being so arranged, that when the case A is raised into a vertical position, the lower ends of said treadle-rods may come into proper position upon the said treadles.

The side edges of the case A, near their lower ends, are pivoted to the stationary sides I, as shown in figs. 1 and 2, so that when the said case A is turned down

into a horizontal position, as shown in fig. 1, it may be at a suitable height for a bed.

The free end of the case A, when turned down into a vertical position, is supported by legs J, pivoted to its sides, as shown in fig. 1, in such a way that when the said case A is raised into a vertical position, the said legs J may be turned inward, as shown in fig. 2, out of sight and out of the way.

As the case A of a musical instrument cannot be conveniently made of such a height as the full length of a bed, a separate part, K, is pivoted to the rear lower part of the stationary sides I, in such a position that when the case A and part K are turned down into horizontal position, they may be upon the same horizontal plane, where they may be secured to each other by pivoted buttons *k*', or sliding bolts, as may be desired or convenient, said buttons or bolts being attached to one of said parts A K, and catching upon the other part.

The inner sides of the cases A and K are furnished with slats, to support a mattress or other bed, in the ordinary manner, and with elastic or other straps, to keep the said mattress or bed in place upon them.

The mattress or bed should be made in two parts, to keep it from being injured when the cases A and K are turned up into vertical positions.

The front part of the top L, of the case, should be hinged to the rear part of said cover or top, so that by shutting down over the case A, it may fasten said case A securely when raised into a vertical position.

For the convenience of those who wish to practise fingering only in their rooms, the case A may be provided with dumb keys, the operating parts of the instrument being omitted.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

1. The combination of folding bed, upright frame, and key-board, when said key-board is permanently connected with the said folding bed.

2. The combination of guides and stops with the treadle-rods E, to compel them to always drop into position upon the treadles F when the case A is raised into a vertical position, as herein shown and described, and for the purpose set forth.

3. The combination of springs H with the treadles F, to hold them in proper position to receive the treadle-rods E when the case A is raised into a vertical position, as herein shown and described, and for the purpose set forth.

The above specification of my invention signed by me, this 27th day of September, 1869.

Witnesses:

JOHN McDONALD.

GEO. W. MABEE,

JAMES T. GRAHAM.