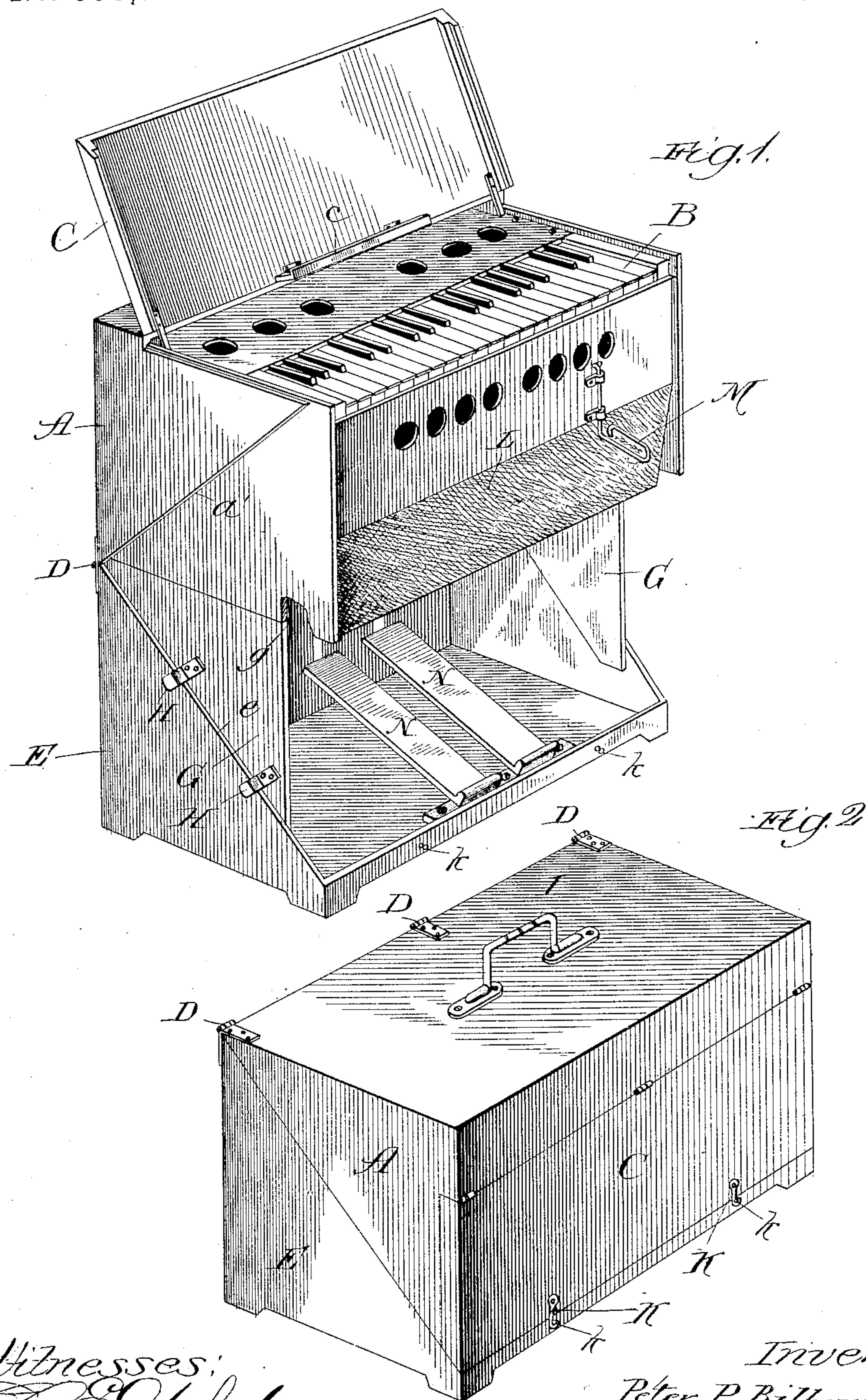


(No Model.)

P. P. BILHORN.
PORTABLE ORGAN.

No. 533,780.

Patented Feb. 5, 1895.



Witnesses:
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UNITED STATES PATENT OFFICE.

PETER P. BILHORN, OF CHICAGO, ILLINOIS.

PORTABLE ORGAN.

SPECIFICATION forming part of Letters Patent No. 533,780, dated February 5, 1895.

Application filed May 10, 1894. Serial No. 510,695. (No model.)

To all whom it may concern:

Be it known that I, PETER P. BILHORN, of Chicago, Illinois, have invented certain new and useful Improvements in Portable Organs, of which the following is a specification.

My invention relates to that kind of organs which are composed of several parts hinged or pivoted together so that they may be folded into a small space, without disconnecting the parts, to render the organ less cumbersome and more convenient for transportation.

The object of my invention is greatly to economize in the construction of this kind of organ, and I accomplish this by simplifying the form of the parts, reducing their number, and arranging them so as to utilize to a great extent the space occupied by the instrument when unfolded for use or when folded for transportation, and to render the parts more quickly and conveniently manipulated for folding and unfolding.

The invention consists in the form and organization of parts herein described and particularly pointed out in the claim.

In the accompanying drawings, which form a part of this specification, Figure 1 is a perspective view of my organ in its open position; and Fig. 2 is a similar view showing it in its folded position.

In constructing my improved organ, I make a body portion, A, of the desired form and size which contains the reeds and operative mechanism of the organ and key board, B, consisting of three octaves which is the normal range of the human voice. Pivoted to the body portion is a music rack, C, which when folded in its closed position, forms a portion of the inclosing case. This rack is provided with the usual hinged holder *c, c*, on which rests the music book or sheet. Pivoted to the body portion by means of the hinges, D, is a standard, E, made in the shape of a triangular box adapted to inclose and form a portion of the organ case. The ends of the body portion as at *a'*, are made at an angle corresponding to the angle, *e*, of the standard so that when the organ is folded into its portable size, or smallest bulk, the sides will match as shown in Fig. 2.

To more securely hold and sustain the or-

gan in its open position upon its supporting standard, I preferably use pivoted triangular brackets, G, one at each end pivotally secured to the body portion at *g*. These pivoted brackets are provided with bayonet shaped metallic catches, H, arranged to hold them in and upon the end walls of the supporting standard as shown particularly in Fig. 1. When the brackets are not in use, and the organ is folded to its smallest size, the brackets are folded against the under side of the front portion of the organ.

The body portion is provided with a handle, I, for carrying it from place to place, and the music rack with catches, K, adapted to catch the pins, *k*, on the standard and lock the parts securely together. Instead of these catches, the organ may be provided with an ordinary lock, which will securely lock the parts together in their folded position.

The organ is provided with the usual bellows, L, pressure lever, M, pedals, N, and other mechanism which I deem it unnecessary to describe, but which are essential to form the complete musical part of the organ. It will thus readily be seen that besides possessing the advantages already pointed out, I am enabled greatly to reduce the weight of the parts and at the same time secure a more durable and compact organ of this type.

I claim—

In a portable organ, a section of a case having triangular end pieces containing the body portion or mechanism of the instrument proper and having that part opposite the key-board hinged to form a music rest, a second similarly constructed section having triangular end pieces coincident with those of the first section the two sections hinged together and adapted when folded to form a closure completely covering the body portion, organ mechanism, pedals, &c., and when unfolded to constitute a standard for the instrument, and means for holding the sections in position when used as a standard, substantially as described.

PETER P. BILHORN.

Witnesses:

J. WILBUR CHAPMAN,
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