(No Model.)

J. COURVILLE & G. T. DAVIS.

REED ORGAN.

No. 266,435. Patented Oct. 24, 1882.

Fig. 1.

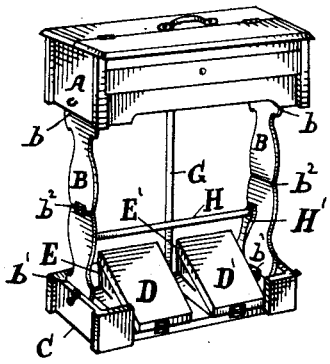


Fig. 2.

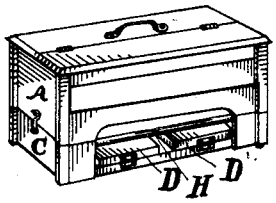
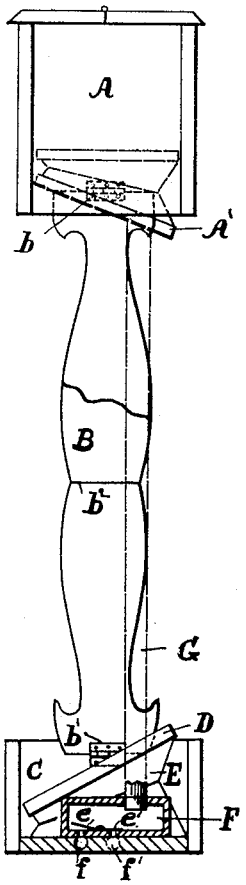


Fig. 3.



WITNESSES

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JOSEPH COURVILLE AND GEORGE T. DAVIS, OF DETROIT, MICHIGAN.

REED-ORGAN.

SPECIFICATION forming part of Letters Patent No. 266,435, dated October 24, 1882.

Application filed August 18, 1882. (No model.)

To all whom it may concern:

Be it known that we, JOSEPH COURVILLE and GEORGE T. DAVIS, of Detroit, county of Wayne, State of Michigan, have invented a new and useful Improvement in Reed-Organs; and we declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form a part of this specification.

Our invention consists of the combinations of devices and appliances hereinafter specified, and more particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of an apparatus embodying our invention in an erect position. Fig. 2 is a perspective view of the same when folded. Fig. 3 is an end view, showing the pedal mechanism in section.

The object of our invention is to provide a musical organ which may be folded up in compact shape and convenient size for easy transportation. This object we accomplish in the manner and by the means which we will now proceed to describe in detail.

In carrying out our invention, A represents an ordinary organ-box, containing any suitable reed-organ mechanism.

Our invention relates rather to the supporting and pedal mechanism and the flexible tube connecting the feeders with the reservoir A′, except that we prefer to reverse the position of the reeds, so as to force the air through them from underneath, instead of sucking the air through them from above, as is done in organs as commonly constructed.

B represents folding legs, secured to the organ-box by suitable hinges, *b*, and to the standard box or base C by suitable hinges, *b′*, in such a manner that the legs may be folded inward.

b^2 represents suitable hinges, located in any convenient part of the legs, but preferably midway of the extremities of the legs B, permitting the upper and lower portions of the legs to lap together.

D and D′ are pedals.

E and E′ are bellows or feeders located underneath the pedals.

F is a valve-box, provided with feed-tubes *f* and *f′*, communicating with the bellows, respectively. Each of said tubes is provided with an air-valve, *e* and *e′*, the construction being such that when one pedal is depressed the valve in the tube communicating with the opposite bellows is closed, while the valve in the tube communicating therewith is opened, and vice versa, by which means air is forced into the flexible tube G, which communicates with the valve-box F and the reservoir A′.

H is a brace supported at each end by an arm, H′, pivoted to the base. Said brace, when raised in proper position, serves to keep the legs erect; or it may be dropped down out of the way of the legs, so that they may be folded together.

The operation of the device will now be understood. As it is evident that by using a flexible tube to communicate the air to the reservoir A′, and by providing the legs with the folding mechanism described, the organ-box A and the standard box or base C may be brought together, inclosing the legs, pedals, bellows, and the flexible air-tube between them. This renders the device easy of transportation.

This folding mechanism and arrangement of the bellows and the flexible air-tube may be used with an organ of any desired size.

What we claim is—

1. In a reed-organ, the combination of an organ-box, A, and a box or base, C, united together by hinged and folding supports B, with foot-pedals in the box or base, bellows arranged under the pedals, an air-chamber in the organ-box, and a flexible tube serving to connect the bellows under the pedals with the air-chamber in the organ-box, substantially as described.

2. A folding reed-organ consisting essentially of the following elements, to wit: an upper organ-box containing the reed air-chamber, a box or base provided with foot-pedals and bellows under the pedals, folding legs permanently connecting the organ-box with the box or base and adapted to fold within the latter over the pedals to permit the organ-box to descend and be supported by the box or base, and a flexible tube connecting the bellows under the pedals with the air-chamber in the organ-box, substantially as described.

In testimony whereof we sign this specification in the presence of two witnesses.

JOSEPH COURVILLE.
GEORGE T. DAVIS.

Witnesses:
N. S. WRIGHT,
J. EDWARD WARREN.