

(No Model.)

D. K. MARSHALL.
MUSICAL FIGURE.

No. 569,219.

Patented Oct. 13, 1896.

Fig. 1.

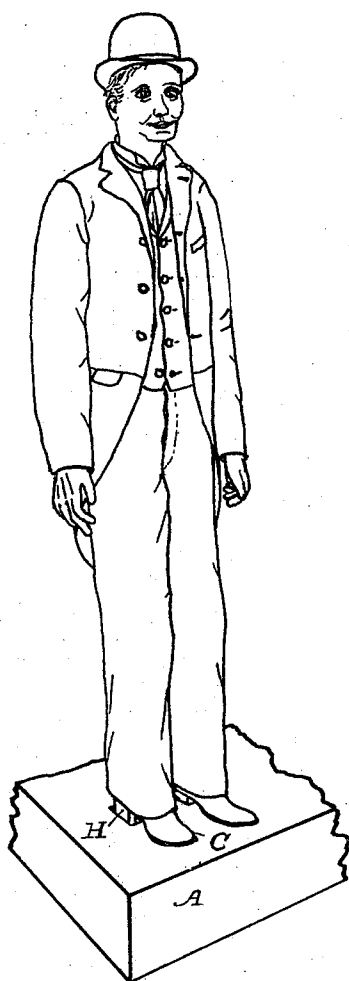


Fig. 2.

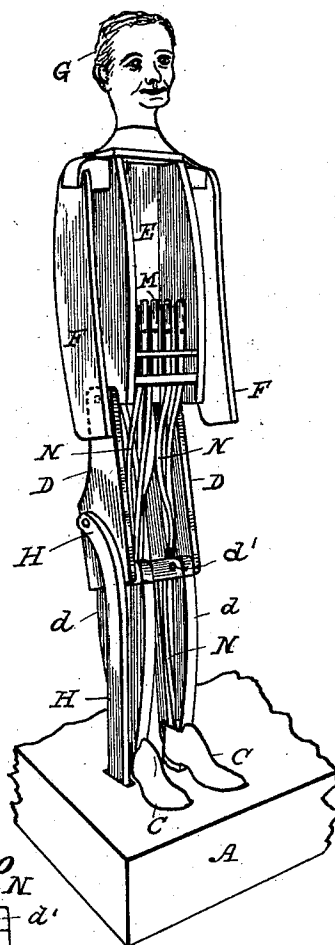


Fig. 4

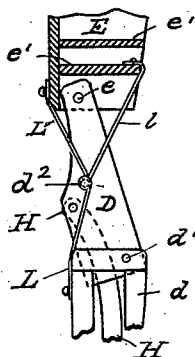
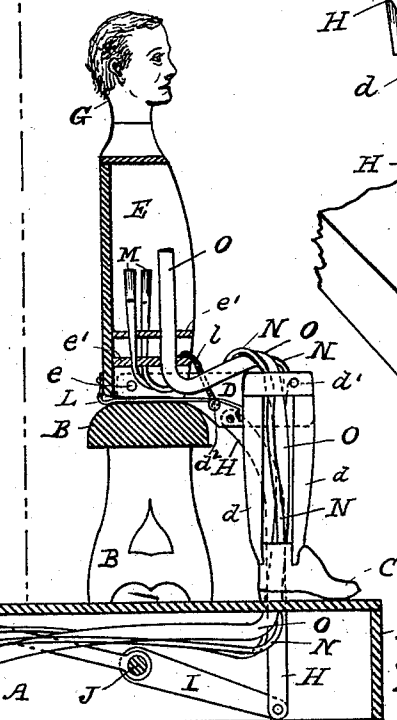


Fig. 3



Witnesses

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UNITED STATES PATENT OFFICE.

DANA K. MARSHALL, OF MANCHESTER, NEW HAMPSHIRE.

MUSICAL FIGURE.

SPECIFICATION forming part of Letters Patent No. 569,219, dated October 13, 1896.

Application filed December 3, 1895. Serial No. 570,879. (No model.)

To all whom it may concern:

Be it known that I, DANA K. MARSHALL, a citizen of the United States, residing at Manchester, in the county of Hillsborough and State of New Hampshire, have invented certain new and useful Improvements in Musical Figures; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to any movable figures, representing either man, beast, or fowl, which are arranged to produce musical or other tones, the object of the invention being to provide figures or dummies of the human or animal kind which shall produce musical tones resembling those produced by string, reed, or brass instruments, or to represent the human voice.

The invention consists, essentially, in one or more figures or dummies provided interiorly with reeds or pipes, such as enter into the construction of an ordinary organ, and suitably connected with a wind-box or bellows for filling the reeds or pipes, as fully set forth and described in the following specification and claims, and clearly illustrated in the drawings accompanying and forming a part of the same, of which—

Figure 1 shows my improved device as representing the figure of a man attired and in a standing posture. Fig. 2 represents the same figure having the clothing removed and showing the interior pipes. Fig. 3 is a vertical sectional elevation showing the figure in a sitting posture, Fig. 4 being a detail view.

Similar reference-letters designate corresponding parts throughout the various views.

The base A is adapted to receive or contain any levers or valves which may be required to control the admission of air to the pipes or reeds in the figure. Upon this box is mounted a stool or bench B, upon which the figure may be seated, if desired, the feet of the figure being also secured thereon.

The figure comprises the feet C, the jointed legs, consisting of the movable and stationary parts, respectively, D *d*, pivotally connected at *d'*, (the latter of which are rigidly attached to the feet C,) the hollow body portion E, the arms F, and the head G. The movable por-

tions D of the legs are pivotally attached at *e* to the body E, and the adjustment of the figure from a standing to a sitting position is readily effected by the bars H, (which may be normally concealed within the pants-legs,) the upper ends of which are pivoted to the leg portions D at a point between the knee and the point of connection with the body E, the lower ends of said rods or arms H being pivoted to the free ends of arms I, which are rigidly secured to a rotary shaft J, which may be supplied with a lever K, extending from the side opposite to said arms I, and by bearing down upon said lever K the arms I are elevated, carrying with them the bars H and the upper portion of the figure.

It is obvious that more than one figure can be used, and if arranged side by side the shaft J may be of proper length to carry the arms I of each figure, and thus all the figures may be made to rise simultaneously, all the figures returning to a sitting position by gravity.

In order to cause the body E to maintain a position which shall be erect during its adjustment from a sitting to a standing posture, I connect each leg portion D and the back part of the body E by a strap L, which passes forward of or above a guide-pin *d*², as shown in Fig. 3, and a rubber or other yielding strap or cord *l* connects one of said guide-pins with the front of the body E, which produces the desired result.

The pipes or reeds M are arranged in one or more cross-pieces *e'*, secured within the body E, the front of the latter being open except for the clothing of the figure, and to the lower ends of the pipes or reeds are connected flexible air-tubes N, which may pass thence to an air-box or bellows.

An ordinary manual may be provided, as in any organ, or the pipes and reeds in the figures may be arranged so as to constitute an automatic organ by the use of music-rolls formed of suitable paper or other material. This, however, being no feature of the present invention, it is unnecessary for me to show or describe other than the movable or adjustable figures with their interior arrangement of pipes or reeds, which may constitute an organ.

Any one or more of the pipes or reeds may be adapted to be sounded by means of a flexi-

ble tube extending within convenient reach of the operator, who will be in concealment. Such a tube is illustrated at O, Fig. 3, wherein the rear end of said tube is shown to extend
5 back of a line P, which line indicates a curtain or other screen.

By making these figures or dummies life-size sufficient room is afforded in their bodies for a number of tubes or reeds and a very
10 efficient organ is thereby produced, the music coming directly from the bodies of the figures, which may be dressed to represent either sex and any nationality.

Having described my invention, what I
15 claim is—

1. A dummy figure having a hollow body portion, pipes or reeds arranged within said body portion, and forming part of an organ, jointed legs connected to said body portion, a
20 base or support to which the lower limbs are rigidly attached, a bench or stool attached to said base serving as a seat for the figure, and means for adjusting the figure from a standing to a sitting posture.

25 2. A movable or adjustable dummy figure provided with one or more pipes or reeds ar-

ranged within its body portion, and forming part of an organ, jointed legs connected to said body portion, suitable clothing for said figure, flexible pipes connected to said pipes
30 or reeds concealed underneath said clothing and extending down the legs of the figure through a suitable base or support, the said base or support, to which the lower limbs are rigidly attached, a bench or stool attached to
35 the base and serving as a seat for the figure, and means for adjusting the figure from a standing to a sitting posture.

3. A dummy figure comprising a hollow body portion and jointed legs connected there-
40 to, a base or support to which the lower portions of the legs are rigidly attached, a bench or stool attached to the base adapted to serve as a seat for the figure, and means for adjusting the figure from a sitting to a standing
45 posture.

In testimony whereof I affix my signature in presence of two witnesses.

DANA K. MARSHALL.

Witnesses:

J. B. THURSTON,

H. E. ANDREWS.