

T. NICHOLSON.  
MUSICAL-TOYS.

No. 195,037.

Patented Sept. 11, 1877.

FIG. 1

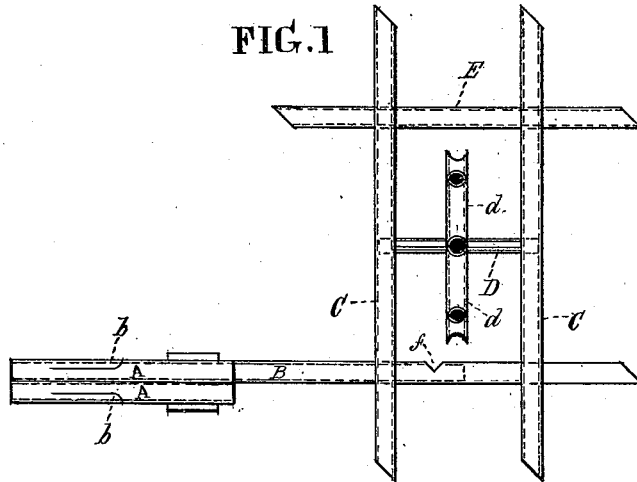


FIG. 2

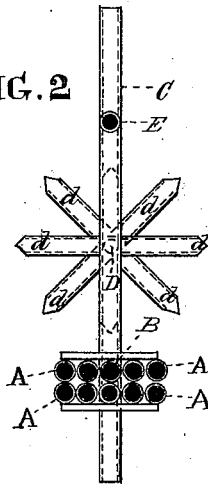


FIG. 3



Witnesses

Inventor

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# UNITED STATES PATENT OFFICE.

THOMAS NICHOLSON, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN MUSICAL TOYS.

Specification forming part of Letters Patent No. **195,037**, dated September 11, 1877; application filed July 5, 1877.

*To all whom it may concern:*

Be it known that I, THOMAS NICHOLSON, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Toy Musical Wind-Wheel, which invention is fully set forth in the following specification and the accompanying drawings, in which—

Figure 1 is a side elevation of the instrument. Fig. 2 is a front elevation of the same. Fig. 3 is a top view of the mouth-piece.

Like letters of reference in all the figures indicate the same parts.

My invention consists of a mouth musical instrument formed of hollow straws, or reeds or tubes formed of metal or other material suitable for the transmission of sound, in combination with an air-conducting straw or reed or other tube and a wind-wheel, so arranged in suitable frame-work as to receive the air in such a manner as to be revolved, as hereinafter fully described.

In the accompanying drawings the instrument is represented as made altogether of straws, whereby a very cheap and light instrument can be produced; but when a strong instrument is desired, it may be made of reeds or metallic or other tubes. The price, however, at which the instrument would have to be put if made of metal, might be an objection to its being brought into extensive use.

I form the musical instrument of a series of straws or other tubes, A, having suitable valves or escapement *b*, the said straws or tubes being held together, as shown in the

drawings, by means of cement, or in any other convenient manner.

Connected with these straws is a parallel straw, B, the front end of which is about even with the front end of the series of straws A. The other end is connected with the uprights C C, which have bearings for the end of the revolving shaft D, which has radial arms *d*, forming the wind-wheel.

The upper ends of the uprights are connected with the horizontal frame-piece E, to complete the frame for the support of the wheel. Yet I do not confine myself to this mode of supporting it, as, when the parts of the instrument are made of metal, the principal part of the frame might be dispensed with.

The straw or tube B has an opening, *f*, in front of the wind-wheel, through which the air that passes through the tube in blowing the instrument issues and strikes the outer ends of the arms of the wheel to revolve the latter.

I claim as my invention—

A musical toy consisting of a wind-wheel, a mouth-piece formed of a series of straws or other tubes provided with valves or reeds, and a conducting-tube leading from the mouth-piece to the wheel, all combined and arranged substantially as and for the purpose set forth.

THOMAS NICHOLSON.

Witnesses:

THOMAS J. BEWLEY,  
STEPHEN USTICK.