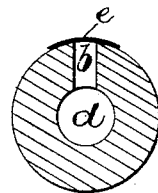
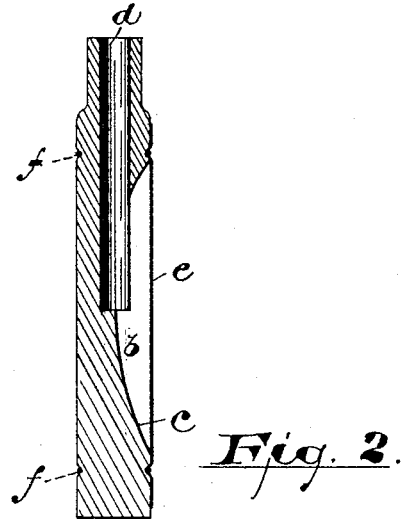
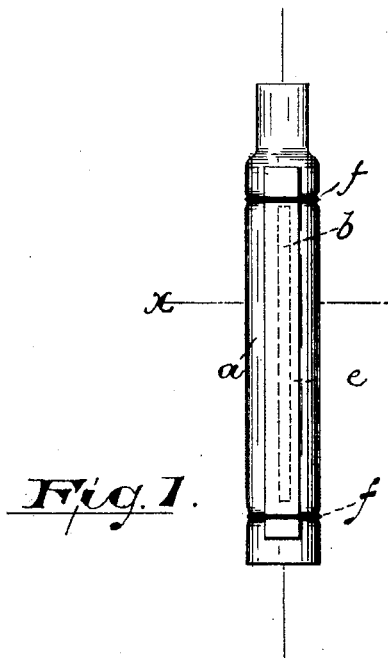


(No Model.)

W. J. BROADBENT.
TOY MUSICAL INSTRUMENT.

No. 456,884.

Patented July 28, 1891.



Witnesses

Inventor

Oscar A. Michel.
John P. Sundeland

William J. Broadbent,
By Drake & Co. Attys.

UNITED STATES PATENT OFFICE.

WILLIAM J. BROADBENT, OF BELLEVILLE, NEW JERSEY, ASSIGNOR OF
ONE-HALF TO WILLIAM H. KING, OF SAME PLACE.

TOY MUSICAL INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 456,884, dated July 28, 1891.

Application filed April 21, 1891. Serial No. 389,759. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. BROADBENT, a citizen of the United States, residing at Belleville, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Toy Musical Instruments; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to afford amusement and entertainment as well as instruction to children and adults.

The invention consists in the improved musical instrument and in the arrangement and combination of the parts thereof, as herein set forth, and finally pointed out in the claim.

Referring to the accompanying drawings, in which similar letters of reference indicate corresponding parts wherever they occur, Figure 1 represents in elevation a musical instrument embodying my improvement. Fig. 2 is a central longitudinal section of the same; and Fig. 3, a transverse section through line *x*, Fig. 1.

In said drawings, *a* indicates the body of the instrument, which is made of wood or other appropriate material, and is provided with a groove *b*, cut longitudinally therein about the center of the body in depth and extending to within a short distance of the ends thereof, the lower extremity of said groove being inclined from the bottom thereof to the surface of the body, as indicated at *c*.

The end of the instrument which is intended to be inserted in the mouth of the performer

is provided with a central longitudinal opening or aperture *d*, which extends to and intersects with said groove, as also indicated in Fig. 2. The said groove is covered with a thin strip or ribbon *e*, composed, preferably, of rubber or other elastic material, which is drawn moderately tight and firmly secured at each end by a suitable band *f* or otherwise. The instrument is operated as follows: The proper end of the instrument is placed in the mouth and the fingers upon the ribbon, after the manner of a clarionet, and upon blowing into the instrument, as the fingers are alternately raised from and pressed upon the ribbon, the latter will be slightly lifted by the force of the air, as the fingers are raised, and musical notes or sounds will be emitted somewhat similar in character to those of a clarionet or bag-pipes, and by the proper manipulation tunes may be played, the same as if the usual openings were made in the body of the instrument.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

The improved musical instrument herein described, consisting of the body *a*, having a groove formed longitudinally therein, an aperture extending from one end of the body to and intersecting with said groove, and a ribbon arranged to cover said groove and secured at each end to said body, as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of April, 1891.

WILLIAM J. BROADBENT.

Witnesses:

OLIVER DRAKE,
WILLIAM H. KING.