

(No Model.)

N. B. BALDWIN.

MUSICAL TOY.

No. 350,521.

Patented Oct. 12, 1886.

FIG. 1.

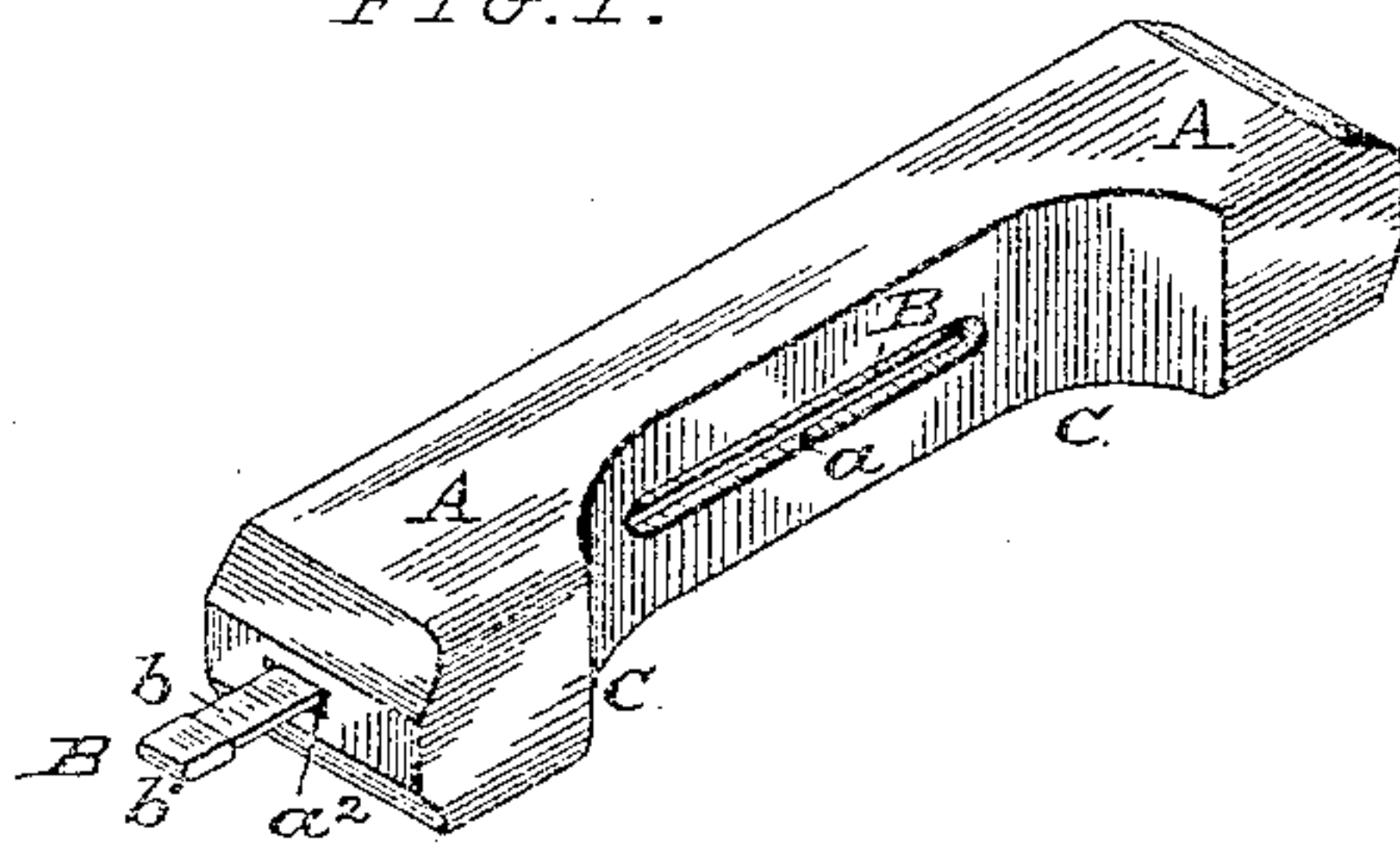


FIG. 2.

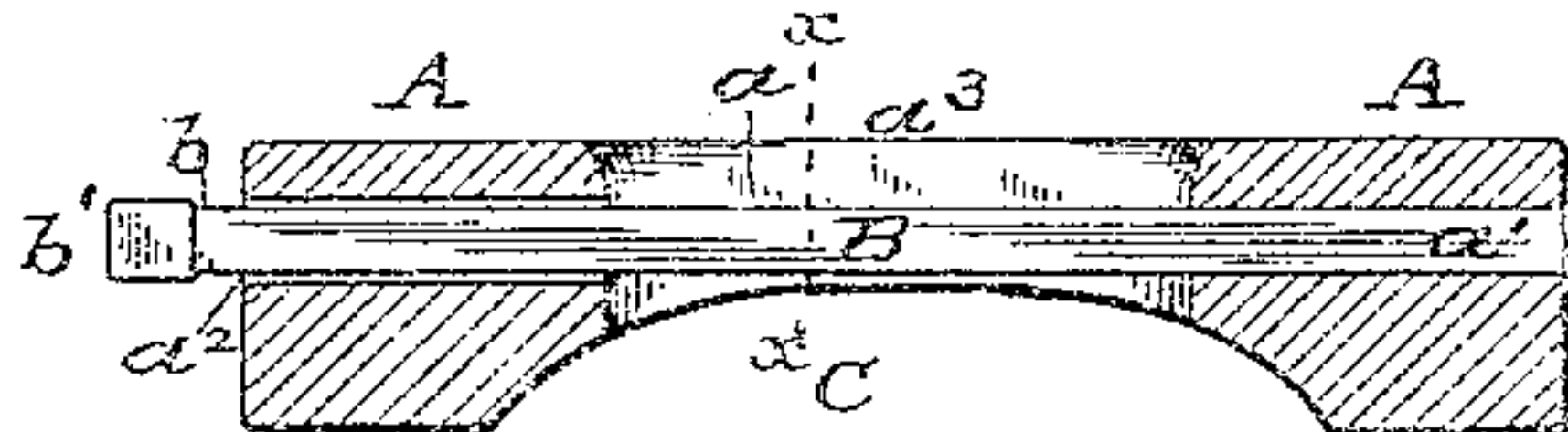
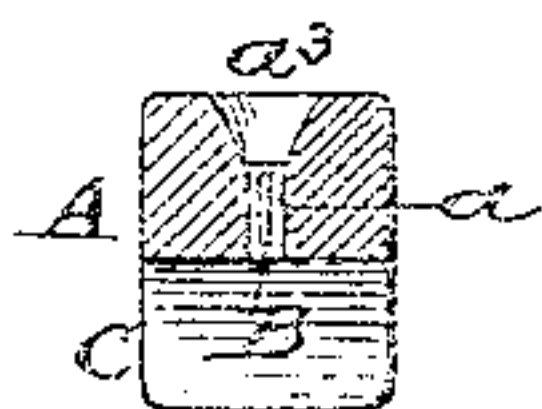


FIG. 3.



Attest:

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per  
Robert Burns  
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# UNITED STATES PATENT OFFICE.

NATHANIEL BATES BALDWIN, OF HYDE PARK, ILLINOIS.

## MUSICAL TOY.

SPECIFICATION forming part of Letters Patent No. 350,521, dated October 12, 1886.

Application filed October 14, 1885. Serial No. 179,885. (No model.)

*To all whom it may concern:*

Be it known that I, NATHANIEL BATES BALDWIN, a citizen of the United States, and a resident of Hyde Park, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Musical Toys; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification.

This invention relates to improvements in that type of musical or sound-producing toys in which the breath is blown across a stretched reed or membrane, so as to cause the same to vibrate and produce a sound; and the present improvement has for its object to provide such class of toys with a simple, convenient, and effective means for instantly changing the degree of tension of the sound-producing membrane, so as to produce notes or sounds of a higher or lower pitch, at the will of the operator. I attain such objects by the construction and arrangement of parts illustrated in the accompanying drawings, in which—

Fig. 1 is a perspective view of my improved toy; Fig. 2, a longitudinal section of the same, and Fig. 3 a transverse section at line *x x*.

Similar letters of reference indicate like parts in the several views.

Referring to the drawings, A represents the frame or body of the toy, preferably of wood, but which may be of any other suitable material, and of any desired outer configuration, as the judgment or taste of the maker may suggest. Centrally in said body is formed an elongated passage or throat, *a*, extending through said body, and in which is arranged the extensible reed or membrane B, that is fixedly secured at one end in a recess, *a'*, of the body A in any well-known manner. The other end, *b*, of said membrane passes freely through a passage, *a''*, to the outside of the toy, so as to be grasped by the thumb and finger of the operator and enable the tension of the membrane to be regulated so as to produce a sound of the desired pitch. When desired, the free end *b* of said membrane may be provided with

a bead or projection, *b'*, so as to enable the operator to more firmly grasp and hold the same. The reed or membrane B is preferably formed of a strip of elastic india-rubber, yet any other suitable material can be employed instead without departing from the spirit of my invention. The shape of the reed can similarly be modified from a flat strip, as shown, to a round or other shaped reed, if desired.

My device in use is intended to be placed between the lips and against the teeth of the operator, and in order to render the same more convenient I form the back of the toy-body A with a curved recess, C, of a shape approximately that of the teeth. It is preferable to make the exit *a''* of the passage or throat *a* of a flaring or bell shape for the more perfect discharge of the sound produced by the reed B.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A sound-producing toy composed of a body, A, having a throat or passage, *a*, and an extensible reed or membrane arranged therein and adapted to have its tension adjusted by hand, essentially as herein described, and for the purpose set forth.

2. A sound-producing toy composed of a body, A, having throat or passage *a*, recess *a'*, and passage *a''*, in combination with the reed or membrane B, one end of which is fixed, and the other end, *b*, adapted to be grasped by the hand, as herein described, and for the purpose set forth.

3. A sound-producing toy having the reed B fixed at one end and loose at the other, and provided with the curved recess C at its back, as and for the purpose set forth.

In testimony whereof I have hereunto set my hand this 6th day of October, 1885, at Chicago, Cook county, Illinois.

NATHANIEL BATES BALDWIN.

In presence of—

ROBERT BURNS,

GEORGE H. ARTHUR.