

W. SPETHMANN.
REEDS FOR MUSICAL INSTRUMENTS.

No. 193,192.

Patented July 17, 1877.

Fig. 1

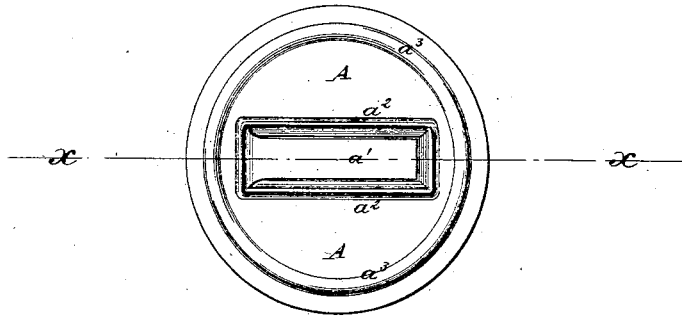


Fig. 2



WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

WILLIAM SPETHMANN, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND ELIAS DURLACH, OF SAME PLACE.

IMPROVEMENT IN REEDS FOR MUSICAL INSTRUMENTS.

Specification forming part of Letters Patent No. **193,192**, dated July 17, 1877; application filed June 11, 1877.

To all whom it may concern:

Be it known that I, WILLIAM SPETHMANN, of the city, county, and State of New York, have invented a new and useful Improvement in Musical Reed, of which the following is a specification:

Figure 1 is a front view of one of my improved reeds. Fig. 2 is a detail section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved reed for toy trumpets and other reed musical instruments, which shall be neater and simpler in construction, and less expensive in manufacture than when constructed in the usual way.

The invention consists in a musical reed, in which the reed or reeds is or are cut out of the body of the plate, so as to be in one piece therewith, and having corrugations in the said plate, as hereinafter fully described.

A represents a piece of thin sheet brass or other suitable metal, of any desired shape and size, as the particular instrument in which the reed is to be used may require.

a^1 is the reed, which is formed by slitting the plate A along two sides, and one end of

the reed a^1 , as shown in Figs. 1 and 2. The reed a^1 may be varied in length and breadth so as to give any desired tone. The plate A has a corrugation, a^2 , formed in it around the edge of the reed a^1 to withdraw the edge of the plate A from the edge of the reed a^1 , so that the said reed can vibrate without touching the edge of the plate A.

The plate A has a corrugation, a^3 , formed in it around its edge to stiffen it, and enable it to be made of sheet metal sufficiently thin to serve as a musical reed.

I am aware that it is not broadly new to construct a musical reed and supporting plate of one piece of metal.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A musical reed in which the reed or reeds a^1 is or are cut out of the body of the plate A, so as to be in one piece therewith, and having the corrugations a^2 and a^3 formed in the said plate, substantially as herein shown and described.

WILLIAM SPETHMANN.

Witnesses:

JAMES T. GRAHAM,
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