

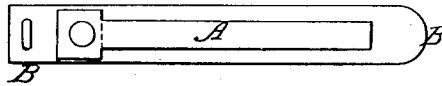
*R. R. Martino.*

*Reed for Musical Instrument.*

*No. 86,022.*

*Patented Jan. 19, 1869.*

*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses.*

*Gustave Dutenich*  
*Jm A Morgan*

*Inventor.*

*R. R. Martino*

*for Wm. W. W. W.*  
*Attorneys.*

United States Patent Office.

R. R. MARTINO, OF NEW YORK, N. Y.

Letters Patent No. 86,022, dated January 19, 1869.

REED FOR MUSICAL INSTRUMENTS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, R. R. MARTINO, of the city, county, and State of New York, have invented a new and useful Improvement in Reeds for Musical Instruments; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a useful improvement in the reeds used in musical instruments, whereby such instruments are greatly improved in tone, compass, and volume; and

It consists in substituting the metal known as aluminum (either in its pure state or as an alloy) for the metal used in ordinary reeds.

But little attention has heretofore been paid to this subject.

The reeds for musical instruments of every description, where reeds are employed, have been made of brass or similar metal.

The jarring or ragged tone produced by some reed-instruments is extremely disagreeable and harsh.

With a view of discovering some metal which would produce a smooth, clear, and melodious sound, I have

made many experiments, and have ascertained that the new metal, aluminum, with all its other good and astonishing qualities, produces, when used as a reed for musical instruments, a sound far superior in tone, sweetness, and volume, to that of any other metal.

Figure 1 represents a longitudinal top or plan view; Figure 2 is a longitudinal section through the line  $x x$ ; and

Figure 3 is a cross-section through the line  $y y$ .

Similar letters of reference indicate corresponding parts.

A represents the aluminum reed, attached to its frame B in the usual manner.

I claim no novelty for the shape or construction of the reed or frame; but

What I do claim, and desire to secure by Letters Patent, is—

The use of aluminum, either in its pure state or as an alloy, in the manufacture of reeds for musical instruments, substantially as described.

R. R. MARTINO.

Witnesses:

FRANK BLOCKLEY,  
ALEX. F. ROBERTS.