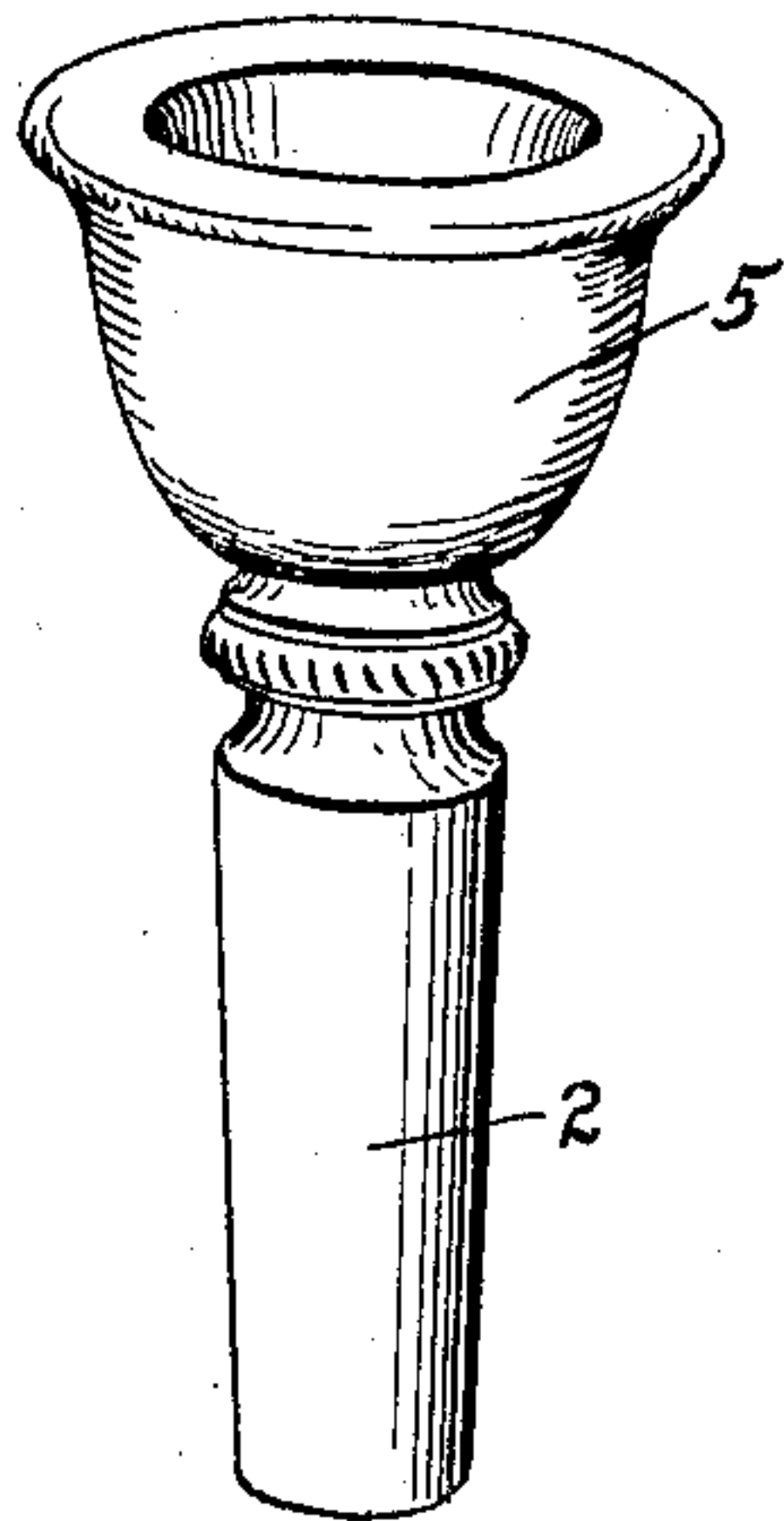


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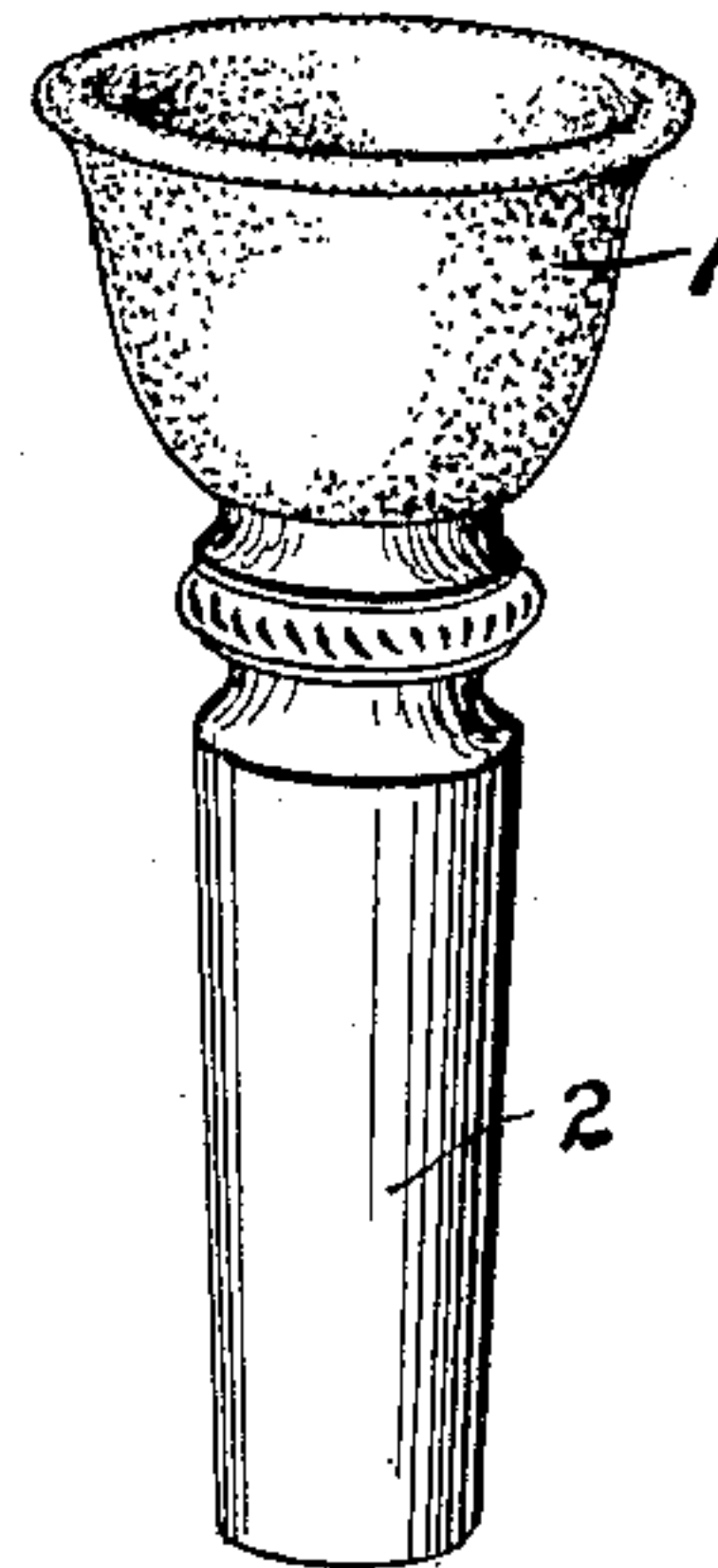
PATENTED AUG. 28, 1906.

M. M. RUBRIGHT.  
CORNET MOUTHPIECE.  
APPLICATION FILED APR. 23, 1906.

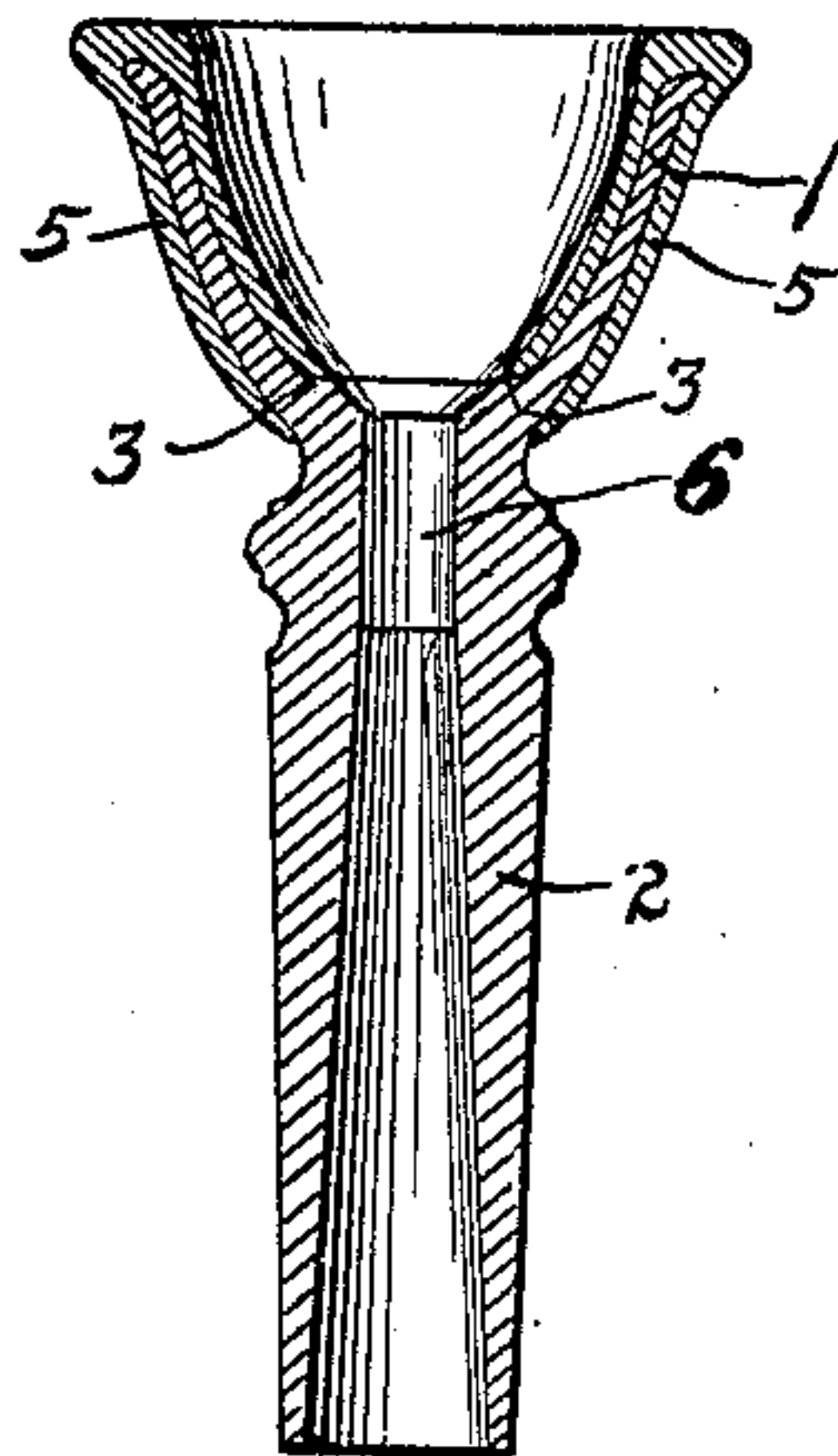
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses

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# UNITED STATES PATENT OFFICE.

MERVIN M. RUBRIGHT, OF HARTVILLE, OHIO.

## CORNET-MOUTHPIECE.

No. 829,893.

Specification of Letters Patent.

Patented Aug. 28, 1906.

Application filed April 23, 1906. Serial No. 313,191.

*To all whom it may concern:*

Be it known that I, MERVIN M. RUBRIGHT, a citizen of the United States, residing at Hartville, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Cornet-Mouthpieces; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the figures of reference marked thereon, in which—

Figure 1 is a perspective view of the mouthpiece complete. Fig. 2 is a view showing the mouthpiece before the same has been plated or covered. Fig. 3 is a longitudinal section.

The present invention consists in providing a mouthpiece or embouchure for wind instruments wherein the metal portion of the mouthpiece is provided with what might be termed an "integral shell" of vulcanized rubber or other suitable material and especially protecting the portion of the mouthpiece which comes in contact with the lips, thereby preventing any contamination or injury to the lips and enabling the performer to play with much greater ease and certainty than is possible with the metal mouthpiece or the so-called "elastic-covered" mouthpiece.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, 1 represents the mouthpiece, which is originally formed of the usual shape and size, and 2 the stem, said parts being formed integral with each other. The inner periphery of the mouthpiece 1 is provided with the shoulder 3, which shoulder is located adjacent the passage 6, formed in the stem 2, said shoulder being for the purpose hereinafter described. Upon the outer and inner surfaces of the mouthpiece 1 is located a layer of vulcanite rubber which is brought into position while in a plastic state and afterward hardened, which process causes the rubber to closely adhere to the metal of the mouthpiece 1. The rubber coating is formed of such a thickness that it will entirely cover the metal portion of the mouthpiece, thereby leaving no metal exposed to contact with the lips of the player. The rubber coating 5 is extended beyond the outer edge of the

mouthpiece and its extreme end formed flat or of any other shape suitable for the particular case or kind of instrument designed to have the mouthpiece attached.

It will of course be understood that the outer form of the rubber may be varied without departing from the nature of my invention, as the only object to be accomplished is to provide such a form that will be easy upon the player and at the same time enable the player to fully close the mouthpiece during the time it is in use. By using the rubber or like material and applying it as above described a material is better adapted for contact with the lips of the player, first, in a sanitary sense; second, not being subject to thermal change, and, third, providing a better contact as between the lips and the mouthpiece itself.

It is well understood that in order to cause the rubber or like material to properly adhere to the metal the surface of the metal upon which the rubber or like material comes in contact should be roughened to a certain extent or non-polished, so that there is no danger of the rubber or other member becoming detached from its matrix constituting the mouthpiece. This feature of roughness is illustrated in Fig. 2.

For the purpose of providing a continuous surface between the open end of the mouthpiece and the air-passage 6 through the stem 2 the shoulder 3 is provided, which shoulder constitutes an abutting edge or flange for the rubber or other material, and after the rubber or other material has been properly connected and attached a continuous or smooth surface is provided at the junction of the rubber or like material and metal portion, so that there can be no interference or any obstruction to the passage of air during the time an instrument is being played. By providing the coating upon the inner surface of the mouthpiece and forming the same of various thicknesses I am enabled to change the contour of the embouchure, thereby making the mouthpiece suitable for high or low tone or any other abnormalities or peculiar condition required by the individual.

It is a well-known fact that by continued use of metal mouthpieces the players are subject to cancerous sores in the mouth due to verdigris poisoning; but by my peculiar arrangement this difficulty is avoided.

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

1. A mouthpiece for wind instruments, the  
5 inner periphery of said mouthpiece provided with a shoulder located near the junction of the cup and the passage of the stem, and a vulcanized coating fixedly attached to the cup upon the inner and outer surfaces there-  
10 of, and constituting an integral portion thereof, and adapted for lip contact, substantially as and for the purpose specified.

2. A mouthpiece consisting of a metal base, said base having a roughened surface,  
15 a coating of vulcanized rubber secured to the inner and outer surfaces of said mouthpiece and embedded in said roughened surface and

the vulcanized rubber adapted for lip contact, substantially as and for the purpose specified. 20

3. A mouthpiece for wind instruments provided with an integral vulcanized rubber coating upon its inner and outer surfaces and a shoulder located at the junction of the mouthpiece and air-passage, substantially as 25 and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

MERVIN M. RUBRIGHT.

Witnesses:

J. A. JEFFERS,

F. W. BOND.