

E. O. COOK.  
JEWS' HARP.  
APPLICATION FILED JULY 7, 1917.

1,266,556.

Patented May 21, 1918.

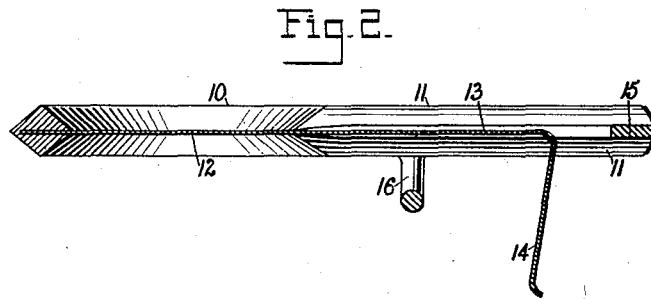
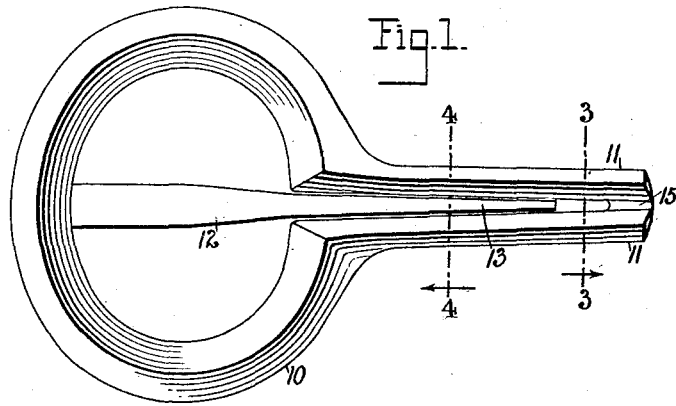


Fig. 3.

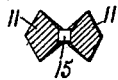
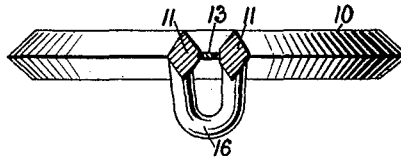


Fig. 4.



WITNESSES

*Joseph Nagy*  
*J. L. Muliff*

INVENTOR  
*Edward O. Cook*  
BY *Mundt Co*  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

EDWARD O. COOK, OF WINCHENDON, MASSACHUSETTS.

## JEWES'-HARP.

1,266,556.

Specification of Letters Patent. Patented May 21, 1918.

Application filed July 7, 1917. Serial No. 179,193.

To all whom it may concern:

Be it known that I, EDWARD O. COOK, a citizen of the United States, and a resident of Winchendon, in the county of Worcester and State of Massachusetts, have invented a new and Improved Jews'-Harp, of which the following is a full, clear, and exact description.

My invention relates to a musical instrument generally known as the jewes'-harp in which a vibrating tongue is secured at one end in a frame of a form to present a loop with projecting spaced arms between which the outer end of the tongue may vibrate.

An object of my invention is to provide a jewes'-harp in which the arms of the frame will be held rigid so that when the side arms are placed against the teeth of the operator they cannot be accidentally brought toward each other to interfere with the vibrating tongue.

Reference is to be had to the accompanying drawings forming a part of this specification in which similar reference characters indicate corresponding parts in all the views, it being understood that the drawings are merely illustrative of one example of the invention.

Figure 1 is a plan view of a jewes'-harp formed in accordance with my invention;

Fig. 2 is a central longitudinal section;

Fig. 3 is a cross section on the line 3-3, Fig. 1;

Fig. 4 is a cross section on the line 4-4, Fig. 1.

The numeral 10 indicates the frame of a jewes'-harp having the usual loop form and presenting outwardly extending arms 11. The numeral 12 indicates a vibrating tongue corresponding in the main with the usual tongue of a jewes'-harp and secured at its inner end to the frame 10, a portion of the tongue as at 13 extending between the arms 11, and the tongue having the usual lateral terminal 14 to be engaged by a finger of the operator for vibrating the tongue.

In practice with the ordinary jewes'-harp, when the arms 11 are placed against the teeth of the operator, the pressure of the teeth is liable to spring the arms 11 toward each other to an extent to interfere with the vibration of the tongue, and in order to overcome this objection I provide means con-

necting the arms to resist the pressure of the teeth thereon. In the illustrated example I connect the arms 11 at two points, there being a web 15 connecting the said arms at their outer ends and a bridge 16 inward of the web 15 and either or both of these may be employed, or the connection established at any desired point along the length of the arms.

With the web 15 employed the tongue of the instrument will terminate short of the said web. The bridge 16 in no way affects the space between the arms for the vibratory movement of the tongue.

I wish to state in conclusion that although the illustrated example constitutes a practical embodiment of the invention, I do not limit myself strictly to the mechanical details herein illustrated, since manifestly the same can be considerably varied without departure from the spirit of the invention as defined in the appended claims.

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

1. A jewes'-harp including a frame presenting outwardly extending arms, a vibratory tongue secured at one end to the frame and extending between said arms, and means connecting the arms to maintain a given relation therebetween and to prevent their relative movement against the said tongue.

2. A jewes'-harp including a frame presenting outwardly extending arms, a vibratory tongue secured at one end to the frame and extending between said arms, and means connecting the arms to maintain a given relation therebetween and to prevent their relative movement against the said tongue, said means including an integral web connecting the arms at their extremities.

3. A jewes'-harp including a frame presenting outwardly extending arms, a vibratory tongue secured at one end to the frame and extending between said arms, and means connecting the arms to maintain a given relation therebetween and to prevent their relative movement against the said tongue, said means including a bridge connecting the arms intermediate their ends and bent out of the influence of said tongue.

EDWARD O. COOK.