

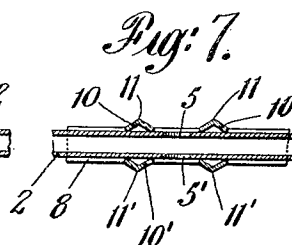
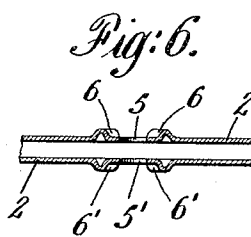
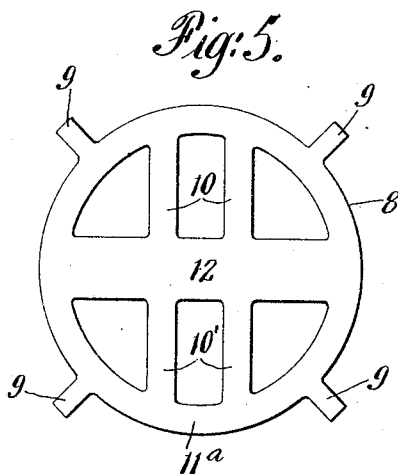
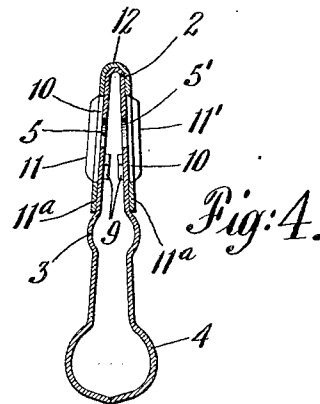
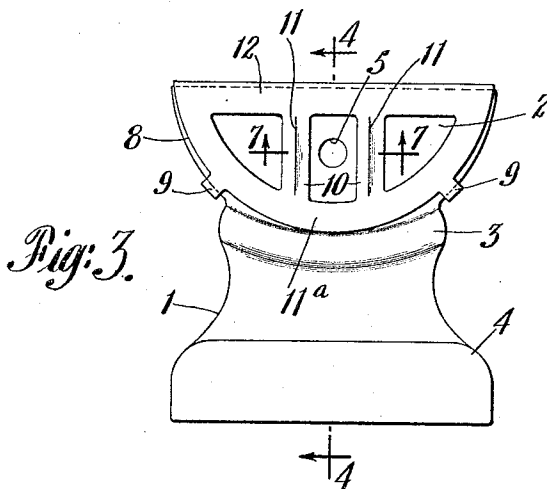
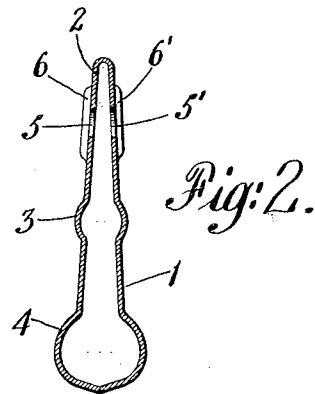
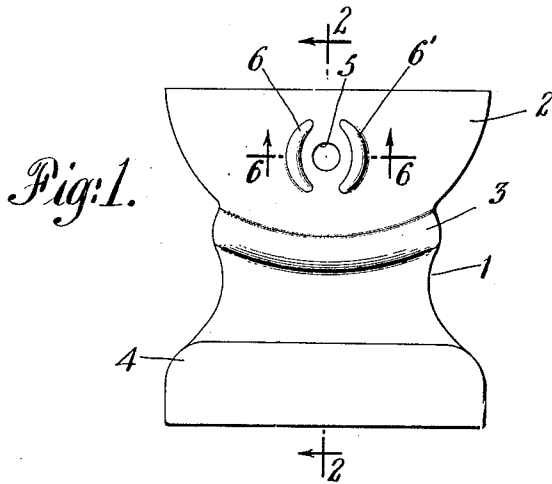
May 3, 1932.

S. DRESSLER

1,856,625

WHISTLE

Filed Sept. 11, 1931



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## UNITED STATES PATENT OFFICE

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## WHISTLE

Application filed September 11, 1931. Serial No. 562,367.

This invention relates to whistles.

Whistles have been constructed comprising a mouth piece and a resonator. These whistles are generally made of sheet metal. The mouth piece, almost a circle, and bent on a diameter with an opening centrally of the leaves of the bent over portions. These whistles render musical tones of excellent quality and a skilled whistler may whistle any musical aria or piece of music. However, such musical instruments require time to become proficient in as the tones are rendered by the positioning of the tongue over the openings and it is difficult to prevent the tongue from closing the opening.

The object of my invention is to provide a whistle which is capable of rendering musical sounds and one requiring little skill on the part of the player to render the specific tones desired.

Referring to the drawings:

Figure 1 is a view in elevation of a device embodying the principles of my invention.

Figure 2 is a cross sectional view of Figure 1 along the line 2, 2, looking in the direction of the arrows.

Figure 3 is a view in elevation of a modified form wherein an auxiliary member is secured over the mouth piece of the whistle.

Figure 4 is a cross sectional view of Figure 3 along the line 4, 4, looking in the direction of the arrows.

Figure 5 is a plan view of the blank for the auxiliary member.

Figure 6 is a sectional view of Figure 1 along the line 6, 6, looking in the direction of the arrows.

Figure 7 is a sectional view along the line 7, 7, looking in the direction of the arrows.

In carrying out my invention, I propose to provide a whistle 1 having a mouth piece 2, lip guard 3 and resonator 4. The whistle 1 is preferably formed of sheet metal blanked from a single sheet, the mouth piece 2 being closed at its rear, the rear forming the bent over portion of the sheet metal. The two plates of the mouth piece 2 have openings 5, 5', which must be in registration and positioned centrally of the leaves of the mouth piece 2. The leaves of the mouth piece 2 like-

wise must be positioned with respect to each other at the proper angle. Partially surrounding opening 5, 5', I propose to provide raised portions 6, 6'. These raised portions do not entirely surround opening 5 and are formed from the metal of the leaves of the mouth piece 2. If the raised portion 6, 6', completely surround the openings 5, 5', the whistle will not properly function as the tongue will again close opening 5 as it does in the present form of whistle.

If desired the tongue guard may be formed from a separate sheet of metal as shown in the modified form in Figures 3, 4, 5 and 7. A blank 8 is stamped out of metal having tongues 9, cross bars 10, 10', connecting the rim 11<sup>a</sup> with diametral cross bar 12. The blank 8 is bent into two semi-circular pieces through the central diametral cross bar 12 as shown in Figure 3. Cross bars 10, 10', are formed with ridges 11. Tongues 9 may be bent about the leaves of mouth piece 2 to retain the tongue guard to the mouth piece 2. The cross bars 10, 10', with their raised elevations 11, 11', are positioned adjacent the openings 5, 5', and the elevations 11, 11', maintain the tongue from contacting with the mouth piece 2 around the openings 5, 5'.

It will thus be seen that I have invented a whistle wherein those unskilled or beginners may learn to play without the difficulties inherent in the old form of whistle which necessitated the training of the tongue and its retention from contacting with the openings in the whistle and they may readily play thereon, and wherein the fatigue to the tongue muscles of a player is relieved, thereby permitting the player to emit from the whistle better tones with more comfort to himself.

What I claim is:

1. A mouth piece formed of two separate plates with registering openings in said plates and means partially surrounding said openings to prevent the tongue of the user from contacting with the surface of the plates adjacent the holes.
2. A whistle comprising a mouth piece formed from a single sheet of metal and having two bent over halves, an opening centrally in each half, said openings registering

one with the other, raised tongue guards partially surrounding said openings and carried by said mouth piece.

3. A whistle comprising a mouth piece, an opening therein, raised tongue guards partially surrounding said opening to prevent the tongue from closing said opening.

4. A whistle comprising a mouth piece, an opening therein, raised tongue guards partially surrounding said opening to support the tongue away from said opening.

Signed at New York, in the county of New York and State of New York this 27th day of August A. D. 1931.

15 SAMUEL DRESSLER.

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