

UNITED STATES PATENT OFFICE.

HENRY P. BRIDGES, OF BALTIMORE, MARYLAND.

SOUND-PRODUCING DEVICE.

1,367,176.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HENRY P. BRIDGES, a citizen of the United States of America, residing at Baltimore, State of Maryland, have invented certain new and useful Improvements in Sound-Producing Devices, of which the following is a specification.

My invention relates to sound producing devices, and is particularly adapted to devices to be used in imitating the sounds made by birds and other game.

An object of my invention is the construction of a device which may be used by a hunter to imitate the call of birds and other game, as, for instance, to imitate the call of a wild turkey.

Another object of my invention is the construction of a sound producing device which is neat in appearance, cheap to manufacture, and easy to operate.

Reference is made to the accompanying drawings, illustrating one form of my invention, wherein:

Figure 1 is a plan view of a completed device;

Fig. 2 is a section on line *a—*a** of Fig. 1;

Fig. 3 is a section on line *b—*b** of Fig. 1;

Fig. 4 is a plan view of the diaphragm;

Fig. 5 is a plan view of the metal blank from which the device is constructed; and

Fig. 6 shows the device in the mouth of the user.

In the accompanying drawings, a frame 1, made preferably of thin metal, consists of a lower part 1^a and an upper part 3. A diaphragm 2 of thin rubber dam of good quality, which is the same shape as the part 3 of the frame and practically the same size, is placed on the part 3. The part 1^a is then folded on the line C—C over the part 3 and pressed tightly against it. The part 1^a is slightly larger than the part 3. The edges 1^b of the larger part 1^a are folded around the part 3, making a rim 4. The diaphragm 2 is preferably clamped so that it is not tight but is somewhat loose. The device is slightly curved throughout its length as in-

dicated in Fig. 2. The device is placed against the roof of the mouth, as illustrated in Fig. 6, with the free end 2^a of the diaphragm to the front. By regulating the point of contact of the tongue with the diaphragm, the pitch and character of the sound may be varied. The action of the tongue in combination with the proper use of the voice box, as found by experience, enables the user to imitate any of the calls of the wild turkey.

Without limiting myself to the specific embodiment of the invention here shown and described, what I claim is:

1. In a calling device, a diaphragm having a rounded end, two parallel sides and a straight end opposite the rounded end, a metal stamping having one half thereof substantially the same shape as said diaphragm, the other half of said stamping having the same shape but slightly larger, said stamping having end opening approximately rectangular in shape and substantially in the center thereof, said diaphragm being placed so as to cover the smaller end of said diaphragm, said stamping being bent upon itself so that the larger half rests on the smaller half and on top of the diaphragm, and the projecting part of the larger half being bent over the smaller half in a U-shape so as to clamp said diaphragm firmly on the rounded end and the two parallel sides but leaving said diaphragm free on the straight end opposite the rounded end so that it can vibrate.

2. In a calling device, a frame, said frame consisting of two parts, said parts joined together at the front edge thereof and clamped together on the sides and at the rear edge thereof, and an elastic diaphragm, said diaphragm held between the two parts of said frame, said frame having an opening therethrough closed by said diaphragm, said opening extending outwardly through the front edges of said frame.

In testimony whereof I affix my signature.
HENRY P. BRIDGES.