

DUCK CALL.

1,175,518.

Fig. 1.

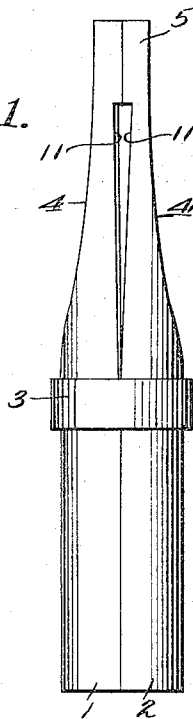


Fig. 2.

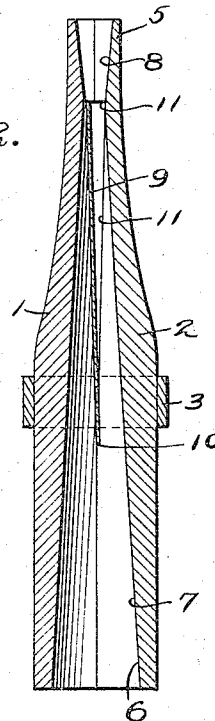
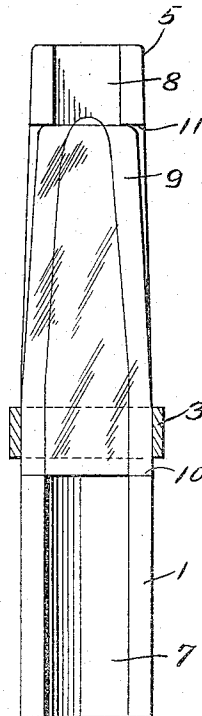


Fig. 3.



Witnesses
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DUCK-CALL.

1,175,518.

Specification of Letters Patent.

Patented Mar. 14, 1916.

Application filed June 4, 1915. Serial No. 32,148.

To all whom it may concern:

Be it known that I, NELS C. HANSEN, a citizen of the United States, residing at Zimmerman, in the county of Sherburne and State of Minnesota, have invented certain new and useful Improvements in Duck-Calls, of which the following is a specification.

My invention relates to that class of devices broadly known as bird calls and more particularly to a duck call for producing a sound that is very similar to the sounds made by ducks.

The primary object of this invention resides in the provision of a body provided with means for entirely receiving and protecting a tongue of mica, the latter being permitted to vibrate therein when air is forced thereupon in producing the desired sound, the said means especially preventing contact of the mouth of the user with the tongue.

Another object of my invention resides in the provision of a device of the character described that is simple in construction, efficient in operation and one that can be manufactured and placed on the market at a minimum cost.

Other objects as well as the nature, characteristic features and scope of my invention will be more readily understood from the following description taken in connection with the accompanying drawings and pointed out in the claims forming a part of this specification.

In the drawings: Figure 1 is a side elevational view of my invention; Fig. 2 is a longitudinal sectional view of the same illustrating to advantage the manner in which the mica is arranged between the sections; Fig. 3 is a side elevational view of the interior of one of the sections showing the mica arranged thereon, the retaining band being shown in sections.

Referring more particularly to the drawings in which similar reference numerals designate like or corresponding parts throughout the different views, I provide a body or core comprising two semicylindrical sections 1 and 2, the proximate flat faces of which are maintained in substantially rigid relation with each other through the medium of my improved retaining means, in this instance, a metal band 3. The outer surfaces of each of the members are tapered ad-

jacent one end as at 4 to provide a mouth-piece 5 for a purpose to be hereinafter referred to. The body or core is provided with a longitudinal tapering bore 6 which tapers toward the mouth piece. The bore is provided by forming in each of the sections longitudinal grooves 7 having transverse curved bottoms which communicate with the longitudinal flat bottom grooves 8 therein. Mounted between the flat proximate faces of the members is a tongue 9 formed preferably of mica of a contour corresponding substantially to the outer sides of the faces, which latter are provided with shoulders 10, against which the inner end of the tongue abuts. In order to permit of the vibration of the tongue 9, I have provided the flat faces with corresponding recesses 11, the bottoms of which diverge toward the mouth-piece 5. By this arrangement it will be readily apparent that when the sections are assembled, the recesses 11 form a triangular opening to permit of the vibration of the tongue. The diverging walls of the opening formed by the recesses terminate at the inner ends of the longitudinal flat bottom groove 8 and also approximately at the termination of the curved bottom grooves 7, thus producing an arrangement having the mouth-piece 5 cooperating therewith in a manner to increase the efficiency of the operation of the device in that the mouth of the user will not come in contact with the mica tongue 9.

In assembling the parts, the tongue 9 has the inner end thereof arranged in engagement with the shoulders 10 and if desired glue or other adhesive can be used to facilitate the maintenance of the tongue in position, though it is not absolutely necessary. The remaining section is now placed upon the section on which the tongue has been mounted and the two sections held in this position through the medium of the retaining band 3.

In operation the device is placed to the mouth of the user and by blowing through the mouth-piece provided by the longitudinal flat bottom grooves 8, the bottoms of which are also incidentally arranged in divergent relation toward the free end, the air is directed therethrough and acts upon the mica tongue 9, causing the latter to vibrate in the triangular opening formed by the recesses 11 thus producing a sound that closely

resembles that of the sound made by a duck, the sound being increased due to the enlarged end of the tapered bore.

Although I have shown and described the preferred embodiment I desire to be understood that I am not to be limited to the exact details shown, however, I desire that great stress be laid upon the arrangement of the sections having the mouth-piece at a triangular opening which coöperates with the mica tongue receivable between the sections for producing the sound of a duck. Attention is particularly directed to the fact that the mouth of the user does not come in contact with the tongue and interfere with the sound.

From the above description taken in connection with the accompanying drawings, it can easily be seen that I have provided a device that is simple in construction, containing but a few simple parts that can be cheaply manufactured and assembled and when assembled can be placed upon the market and sold at a minimum cost.

It will be understood that the above description and accompanying drawings comprehend only the general embodiment of my invention and that various minor changes in detail of construction, proportion and arrangement of the parts may be made within the scope of the appended claims and without sacrificing any of the advantages of my invention.

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

1. A duck call including a core comprising two semi-cylindrical sections having a longitudinal bore throughout the length thereof, said sections being provided with a triangular opening intermediate the ends thereof, and a tongue mounted between the sections and positioned to vibrate in the opening when operated.

2. A duck call including a core comprising two semi-cylindrical sections having a longitudinal bore throughout the length thereof, the proximate faces of the sections being provided with complementary recesses forming a triangular opening, a tongue mounted between the proximate faces of the sections and positioned to vibrate in the opening when the device is operated, and a retaining band about said sections.

3. A duck call including a core comprising two semi-cylindrical sections having a longitudinal bore throughout the length thereof, said bore being provided by forming longitudinal curved bottom grooves and longitudinal flat bottom grooves communicating therewith, the proximate faces of said sections being provided with recesses forming a triangular opening, a tongue mounted between the flat faces of the sections and positioned to vibrate within the opening when air is forced through the end toward the free end of the tongue, and a retaining band about said sections.

4. A duck call including a core comprising two semi-cylindrical sections having a longitudinal bore throughout the length thereof, said sections being tapered toward one end to provide a mouth piece, and provided with a triangular opening terminating at the inner end of the mouth piece, a tongue mounted between the proximate faces of the sections and positioned to vibrate in the opening when air is introduced through the mouth piece to produce a sound similar to the sound of a duck, and a retaining band disposed about said sections for maintaining the parts in an assembled form.

In testimony whereof I affix my signature in presence of two witnesses.

NELS C. HANSEN.

Witnesses:

G. A. EATON,
T. M. OLSEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."