Mar. 27, 1923.

1,449,756

J. E. JACKSON

SOUNDING DEVICE

Filed Sept. 28, 1921

Fig. 1.

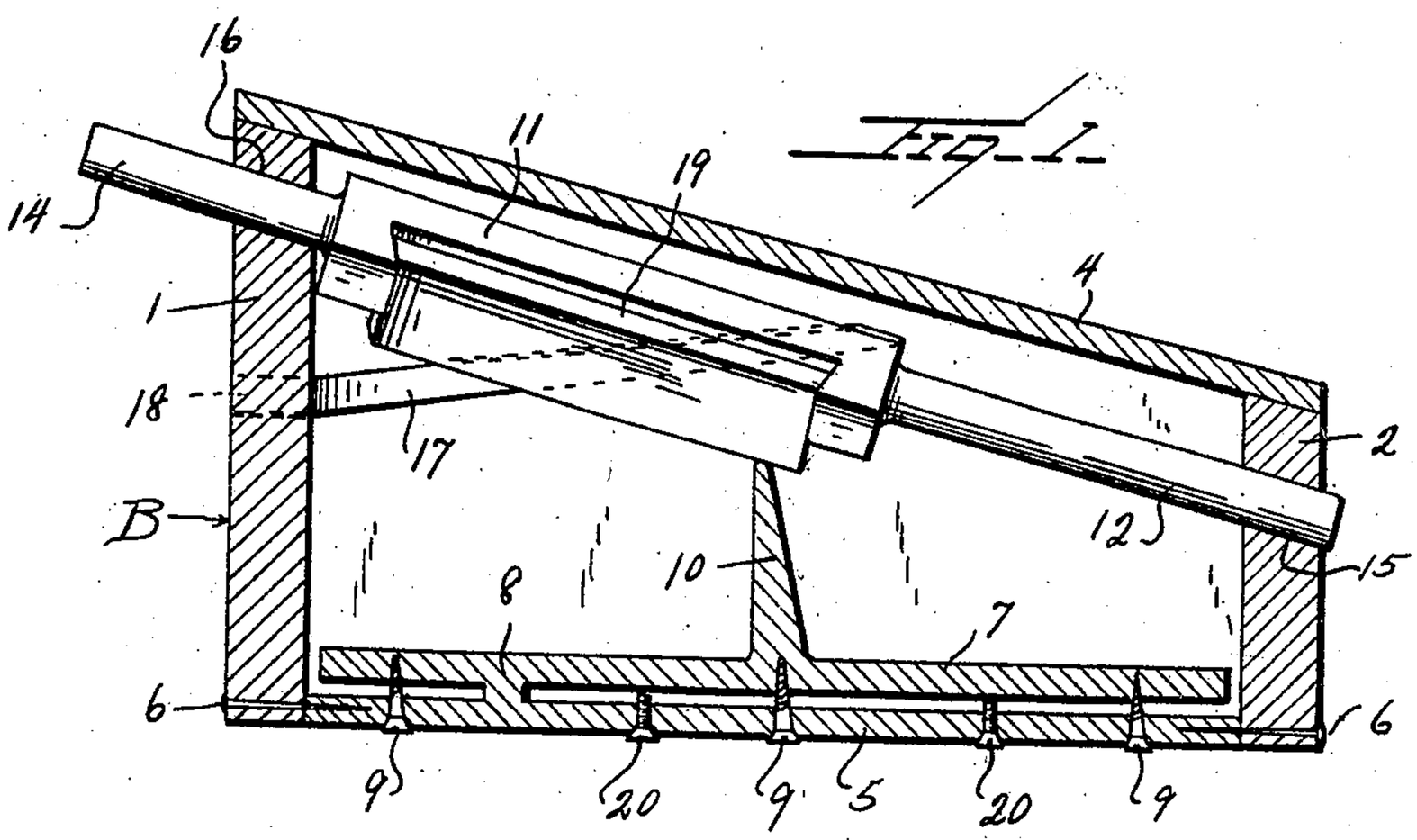


Fig. 2.

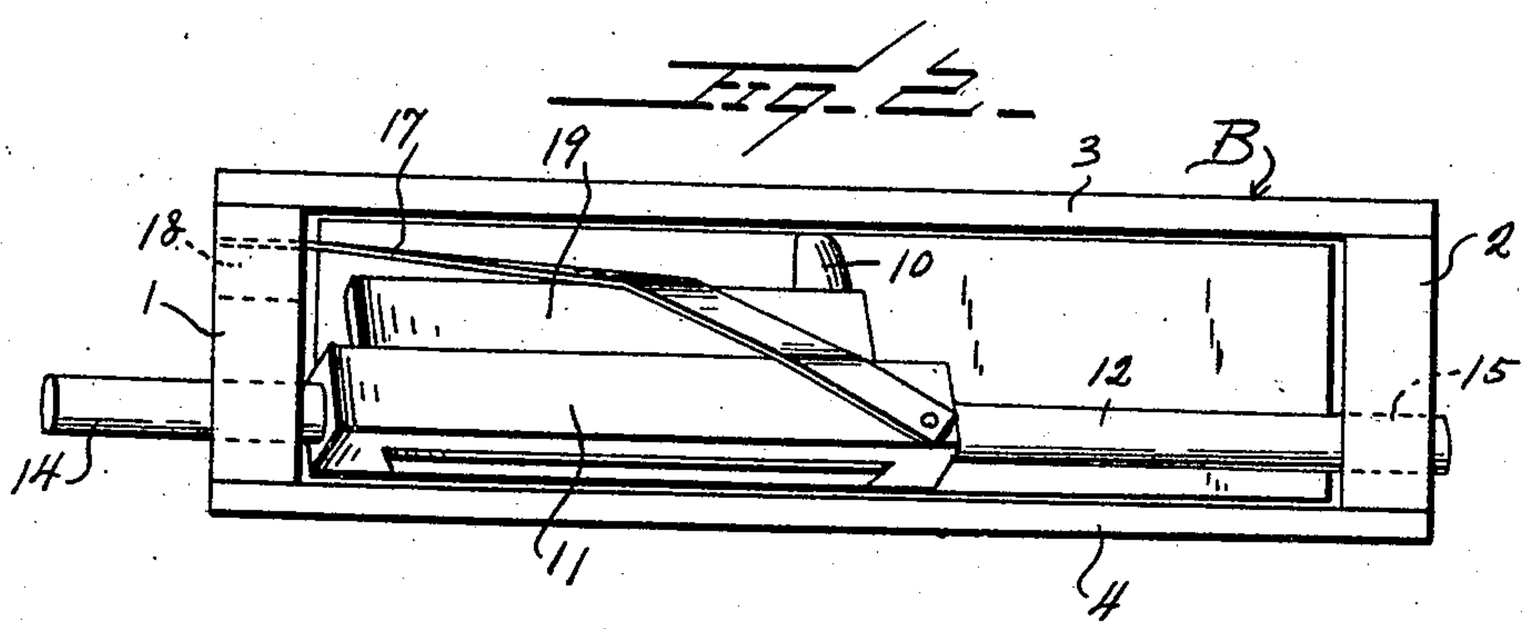
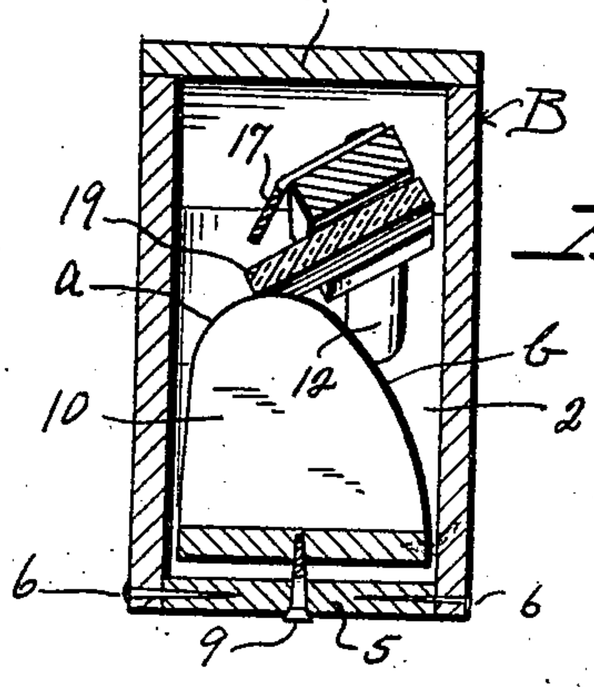


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN E. JACKSON, OF CARSON, VIRGINIA.

SOUNDING DEVICE.

Application filed September 28, 1921. Serial No. 503,840.

To all whom it may concern:

Be it known that I, JOHN E. JACKSON, a citizen of the United States, residing at Carson, in the county of Prince George and State of Virginia, have invented certain new and useful Improvements in Sounding Devices, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in sounding devices and has relation more particularly to a device of this general character adapted to simulate the call of a wild turkey, and it is an object of the invention to provide a device of this general character having novel and improved means whereby the same may be tuned to create a tone for the different species of such fowl.

Another object of the invention is to provide a novel and improved device of this general character comprising a box having a sound board comprised therein, together with a member positioned for sliding contact with said board to produce the requisite sound.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved sounding device whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:

Figure 1 is a view partly in longitudinal section and partly in elevation illustrating a sounding device constructed in accordance with an embodiment of my invention;

Figure 2 is a view in top plan of the device as herein disclosed with the top wall or plate removed; and

Figure 3 is a vertical sectional view taken substantially centrally through the device as illustrated in Figure 1.

As disclosed in the accompanying drawings, B denotes a sound box of requisite dimensions and which comprises the end walls or panels 1 and 2 of different heights and relatively thick. Adhesively or otherwise secured to the side edges of the walls or panels 1 and 2 are the side walls or panels 3 and suitably secured to the upper edges of the end walls or panels 1 and 2 and the side walls or panels 3 is the top wall or panel 4, said wall or panel 4 being disposed on an incline.

Snugly fitting between the assembled end walls or panels 1 and 2 and the side panels 3 is a bottom panel 5, said panel 5 being held in applied position by the brads 5 or kindred driven members, one of said brads or the like being engaged with each end of the bottom panel 5, and a brad being also engaged with each side portion of the bottom panel at substantially its longitudinal center.

A sound box constructed as hereinbefore described is of a type wherein one end portion of the box is of greater height than the opposite end and wherein said box gradually reduces in height from the high end to the low end.

Overlying the bottom wall or panel 5 is a sound board 7 of a length to terminate a slight distance inwardly of the end walls or panels 1 and 2 and of a width slightly less than that of the bottom wall or panel 5. The sound board 7 at a point inwardly of but in relatively close proximity to an end thereof is integrally connected with the bottom wall or panel 5 by the interposed web 8, said connected end portion of the sound board 7 being preferably adjacent the high end wall or panel 1.

By flexing the board 7, the same may be tuned to simulate the call desired and especially in accordance with the particular species of wild turkey. When the board has been tuned as desired, the same is held in such position or arrangement by the screws 9 or the like threaded through the bottom wall or panel 5 and engaged within the sound board 7, as clearly illustrated in Figure 1 of the accompanying drawings.

At substantially its longitudinal center, the board 7 is provided with an upstanding bridge or wing 10, said bridge or wing 10 being integral with the board 7. The bridge or wing 10 is also disposed on a slight incline toward the end wall or panel 1 and the outer or free marginal portion of said bridge or wing 10 is disposed on a curvature, the curve *a* at one side of the transverse center of said wing or bridge 10 being on a materially shorter radius than the curved portion *b* at the opposite side of the transverse center of said bridge or wing 10.

11 denotes an elongated holder having extending outwardly from its opposite ends the elongated cylindrical members 12 and 14, the member 12 being slidably disposed through an opening 15 in the upper portion of the end wall or panel 2 at one side of its transverse center while the member 14 is slidably disposed through an opening 16 in the upper portion of the end wall or panel 1 at one side of its transverse center. The openings 15 and 16 are positioned at the same side of the transverse center of the box B.

Secured to the end portion of the holder 11 remote from the end wall or panel 1 is a retractile member 17 herein disclosed as an elastic band. This member or band 17 overlies the holder 11 and is secured, as at 18, to the end wall or panel 1 at a point below the opening 16 and to the opposite side portion of said wall or panel 1.

Engaged with the under face of the holder 11 is a sounding member 19 preferably of slate or glass and which extends beyond one side of the holder 11, as is particularly illustrated in the accompanying drawings.

The member 17, hereinbefore referred to, contacts with the extended portion of the member 19, whereby said member 17, in addition to automatically moving the member 11 lengthwise in one direction, serves to maintain the sounding member 19 at all times in contact with the edge of the bridge or wing 10. The face of the member 19 opposed to the bridge or wing 10 is substantially flat with said surface smooth and unobstructed.

The movement of the member 19 over the bridge or wing 10 and in contact therewith results in the production of the desired sound in simulation of the wild turkey. Movement of the holding member 11 in one direction is accomplished manually by pressing with the digit of a hand the extended portion of the member 14 and, as before stated, the return movement of the member 11 is effected by the elastic band 17 or its equivalent.

With but little practice, a person can readily learn how to manipulate my improved device in order to produce a call in close simulation of the calls of wild turkeys of different species.

Threaded through the bottom panel or wall 5 at opposite sides of its longitudinal center are the screws 20 or the like which extend inwardly of the sound box and provide means whereby the movement of the board 7 toward the bottom wall or panel 5 may be limited as required. By adjusting the sound board 7 relative to the inner or inserted extremities of these screws 20 or the like, the desired tones or sounds may be obtained with a greater degree of naturalness and, after the device is assembled, this adjustment can be readily effected through the medium of the screw 9 adjacent the end wall or panel 2.

It is to be understood that the various parts comprised in my device, with the exception of the sounding board 19, are to be made preferably of wood, although I want it to be understood that I reserve the right to employ any other material which may be used to the same advantage.

From the foregoing description it is thought to be obvious that a sounding device constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

1. A device of the class described comprising a sound box, a sound board therein provided with an outstanding wing, a sounding member supported for sliding movement within the box and contacting with the wing, automatic means for moving the sounding member in one direction and for maintaining the same in contact with the wing, and means extending exteriorly of the box for maually moving the sounding member in the opposite direction.

2. A device of the class described comprising a sound box, a sound board therein provided with an outstanding wing, a sounding member supported for sliding movement within the box and contacting with the wing, automatic means for moving the sounding member in one direction and for maintaining the same in contact with the wing, means extending exteriorly of the box for manually moving the sounding member in the opposite direction, and tuning means associated with the sound board.

3. A device of the class described comprising a sound box, a sound board therein provided with an outstanding wing, a sounding member supported for sliding movement within the box and contacting with the wing, automatic means for moving the sounding member in one direction and for maintaining the same in contact with the wing, and means extending exteriorly of the box for manually moving the sounding member in the opposite direction, said sound board being integrally connected with a wall of the sound box.

4. A device of the class described comprising a sound box, a sound board therein provided with an outstanding wing, a sound-

ing member supported for sliding movement within the box and contacting with the wing, automatic means for moving the sounding member in one direction and for maintaining the same in contact with the wing, and means extending exteriorly of the box for manually moving the sounding member in the opposite direction, said wing being integrally formed with the sound board.

5. A device of the class described comprising a sound box, a sound board therein provided with an outstanding wing, a sounding member supported for sliding movement within the box and contacting with the wing, said wing being inclined, automatic means for moving the sounding member in one direction and for maintaining the same in contact with the wing, and means extending exteriorly of the box for manually moving the sounding member in the opposite direction.

6. A device of the class described comprising a sound box, a sound board therein provided with an outstanding wing, a sounding member supported for sliding movement within the box and contacting with the wing, the marginal portion of said wings being arranged on a curvature, automatic means for moving the sounding member in one direction and for maintaining the same in contact with the wing, and means extending exteriorly of the box for manually moving the sounding member in the opposite direction.

7. A device of the class described comprising a sound box, a sound board therein provided with an outstanding wing, a sounding member supported for sliding movement within the box and contacting with the wing, the marginal portion of said wing being arranged on a curvature, the curve of said margin at one side of the transverse center of the wing being a materially shorter radius than the curve at the opposite side of said transverse center of the wing, automatic means for moving the sounding member in one direction and for maintaining the same in contact with the wing, and means extending exteriorly of the box for manually moving the sounding member in the opposite direction.

8. A device of the class described comprising a sound box, a sound board therein provided with an outstanding wing, a sounding member supported for sliding movement within the box and contacting with the wing, automatic means for moving the sounding member in one direction and for maintaining the same in contact with the wing, means extending exteriorly of the box for manually moving the sounding member in the opposite direction, and means for adjusting the sound board.

9. A device of the class described comprising a sound box, a sound board therein provided with an outstanding wing, a sounding member supported for sliding movement within the box and contacting with the wing, automatic means for moving the sounding member in one direction and for maintaining the same in contact with the wing, means extending exteriorly of the box for manually moving the sounding member in the opposite direction, and members in threaded engagement with the sound board for tuning the same.

10. A device of the class described comprising a sound box, a sound board therein provided with an outstanding wing, a sounding member supported for sliding movement within the box and contacting with the wing, automatic means for moving the sounding member in one direction and for maintaining the same in contact with the wing, means extending exteriorly of the box for manually moving the sounding member in the opposite direction, means in threaded engagement with the sound board for tuning the same, and means for limiting the movement in one direction of the sound board under the influence of the threaded members.

In testimony whereof I hereunto affix my signature.

JOHN E. JACKSON.