M. FOLKUSH.

NOISE MAKER.

APPLICATION FILED APR. 10, 1920.

1,374,644. Patented Apr. 12, 1921.

FIG. 1.

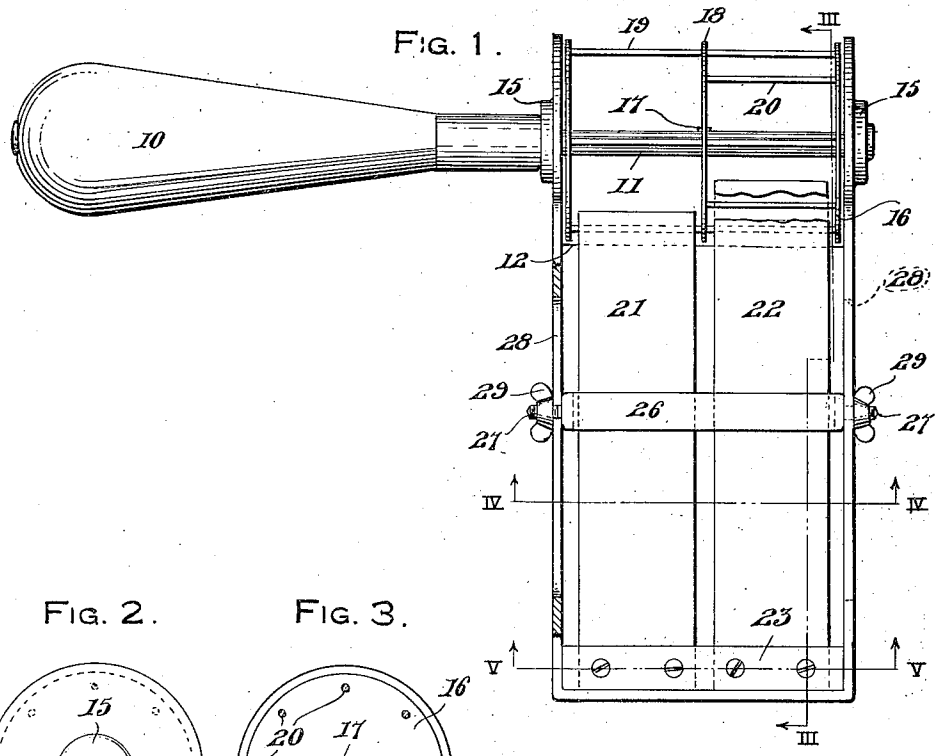


FIG. 2.

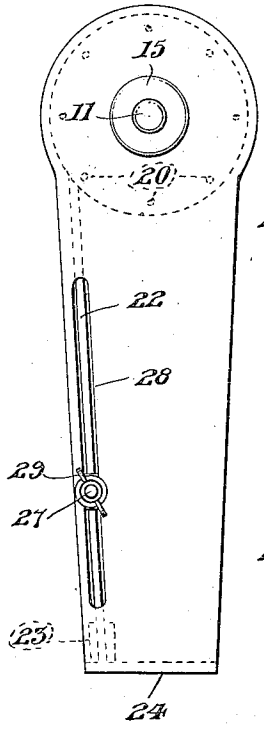


FIG. 3.

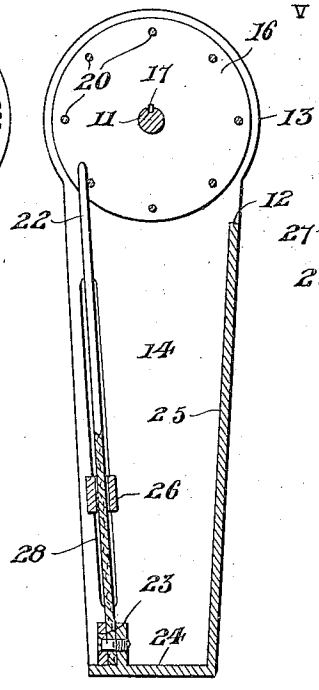


FIG. 4.

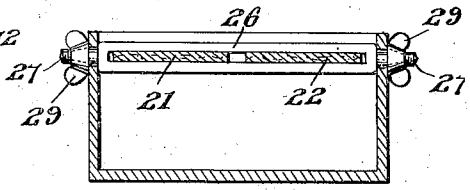
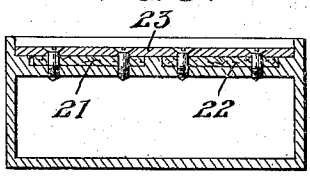


FIG. 5.



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NOISE-MAKER.

1,374,644. Specification of Letters Patent. Patented Apr. 12, 1921.

Application filed April 10, 1920. Serial No. 372,821.

To all whom it may concern:

Be it known that I, MARTIN FOLKUSH, a citizen of Czecho-Slovakia, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Noise-Makers, of which the following is a specification.

The primary object of the present invention is the provision of a device for readily creating a noise that can be heard for a great distance a plurality of impulses at differently timed intervals being effected, the noise producing operation being adjustable for changing the tone or pitch thereof.

A further object of the invention is to provide a noise maker consisting of few parts and easily operable whereby single and double sounds are successively produced, and the tones of the sounds readily regulated at will.

With these general objects in view the invention consists of the novel combination and arrangement of parts fully described in connection with the accompanying drawing and then claimed.

In the drawing forming a part of this application, like reference characters designate corresponding parts throughout the several views, and

Figure 1 is a side elevational view of the device partially broken away,

Fig. 2 is an end elevation thereof,

Fig. 3 is a sectional view of the same taken upon line III—III of Fig. 1, and

Figs. 4 and 5 are transverse sectional views taken upon lines IV—IV and V—V respectively of Fig. 1.

Referring more in detail to the drawing, I provide a handle 10 with a shaft 11 projecting axially from one end thereof with a casing 12, journaled upon said shaft by means of the substantially circular heads 13 at adjacent ends of the opposite sides 14 of the casing. The heads 13 have central perforated bosses 15 outwardly of the sides 14 for journaling the casing upon the shaft 11.

A frame 16 in the form of a bobbin is secured to the shaft 11 by a suitable means such as the cutter 17 between the heads 13. The opposite ends of the frame 16 are in the form of circular disks with a similar disk 18 centrally secured therebetween by posts 19 carried through all of the disks of the frame at points equally spaced apart adjacent the peripheries of the disks. Intermediate posts 20 are secured between one end of the frame 16 and the central disk 18 equally spaced apart from the adjacent post 19 and whereby it will be evident that in one half of the frame 16 twice as many posts will be employed as in the other half thereof.

Sounding boards 21 and 22 are secured in one open side of the casing 12 by the corresponding ends which are secured to a transverse rib 23 upon the bottom or closed end 24 of the casing opposite the heads 13. The board 22 is of sufficient length to permit the free end portion thereof to project inwardly of the frame 16 for engaging the post 20 and the adjacent end portions of the post 19 during the relative rotation of the casing 12 and shaft 11. The board 21 similarly engages the post 19 at the opposite half of the frame 16 and it will be apparent that upon rotating the casing 12 upon the shaft 11, the sounding boards 21 and 22 will be brought into violent engagement with the posts 19 and 20 causing loud sounds to be emitted.

The side of the casing 12 opposite the sound boards is closed by a plate 25 thereby forming a pocket in the casing 12 after the manner of a resonant musical instrument.

An adjustable controller for the vibratory portions of the boards 21 and 22 comprises a slider 26 through which the boards extend, threaded reduced ends 27 of the slider being freely projected through opposite slots 28 in the casing sides 14. Upon pushing the slider 26 toward and away from the rib 23, the length of the free end portions of the boards which are permitted to vibrate is readily changed at will and whereby different tones or pitch will be produced by the sound boards during the operation of the device.

Set nuts 29 upon the ends 27 retain the slider 26 in its adjusted position. A noise producer is provided in which the handle 10 may be grasped for imparting rapid rotation to the casing 12 around the shaft 11 and the frame 16 being rigid with the shaft 11, the sounding boards 21 and 22 strike the posts 19 and 20 of the frame so that the ends of the boards between the slider 26 and the frame 16 are forcibly vibrated producing a loud noise.

While the form of the invention herein set forth is believed preferable, it will be un-

derstood that changes may be made therein without departing from the spirit and scope of the invention as claimed.

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

1. A noise maker comprising a shaft, a casing journaled thereon, a frame having spaced end supported posts around the sides thereof and rigidly secured to said shaft, one half of said frame being provided with double the number of posts that the other half has and separate sounding boards for the halves of the frame carried by said casing.

2. A noise maker comprising a shaft, a casing journaled thereon with a closed end and one substantially closed side, a frame having spaced posts around the sides thereof rigidly secured to said shaft, one half of said frame being provided with double the number of posts that the other half has, a transverse rib upon the closed end of the casing, sounding boards having their adjacent ends secured to the rib with their free ends normally projecting inwardly of the frame adapted for successive engagement with said posts, the said boards being at the opposite side of the casing from the closed side thereof.

3. A noise maker comprising a shaft, a casing journaled thereon with a closed end and one substantially closed side, a frame having spaced posts around the sides thereof rigidly secured to said shaft, one half of said frame being provided with double the number of posts that the other half has, a transverse rib upon the closed end of the casing, sounding boards having their adjacent ends secured to the rib with their free ends normally projecting inwardly of the frame adapted for successive engagement with said posts, the said boards being at the opposite side of the casing from the closed side thereof, a slider surrounding said boards slidable thereon adapted for adjustment toward and away from the frame whereby the vibrating portions of the boards are simultaneously altered at will and securing means for the slider when in its adjusted position.

4. A noise maker comprising a shaft, a bobbin shaped frame secured thereon having disk shaped ends and a similar intermediate disk, posts marginally connecting all of said disks together, a series of relatively shorter boards connecting the intermediate disk with one end disk of the frame and alternating with the first named posts at one end of the frame, a partially closed casing having head members upon the sides thereof journaled for rotation upon said shaft outwardly of the frame and sound boards carried by the frame with their free end portions projecting inwardly of the arcuate plane of the posts adapted for engaging the latter during the operation of the device.

5. A noise maker comprising a shaft, a bobbin shaped frame secured thereon having disk shaped ends and a similar intermediate disk, posts marginally connecting all of said disks together, a series of relatively shorter boards connecting the intermediate disk with one end disk of the frame and alternating with the first named posts at one end of the frame, a partially closed casing having head members upon the sides thereof journaled for rotation upon said shaft outwardly of the frame and sound boards carried by the frame with their free end portions projecting inwardly of the arcuate plane of the posts adapted for engaging the latter during the operation of the device, means for securing the adjacent ends of the boards within the casing and pitch adjusting means slidably mounted within the casing in surrounding contact with said boards.

In testimony whereof I affix my signature.

MARTIN FOLKUSH.