(No Model.)

F. F. WEINGARD.

MUSICAL TOY.

No. 596,643. Patented Jan. 4, 1898.

FIG. 1.

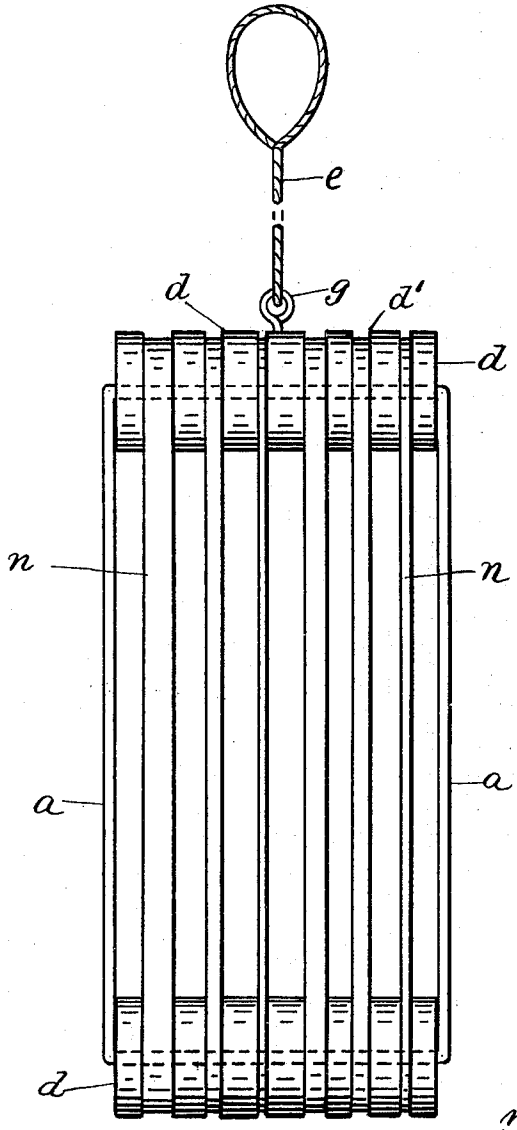


FIG. 2.

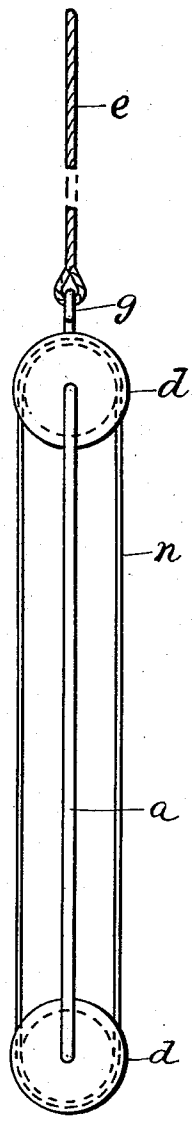
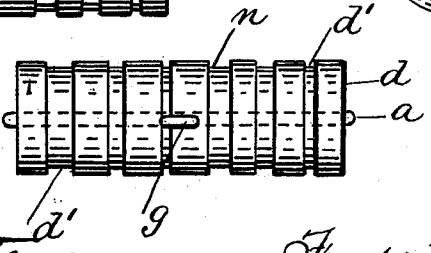


FIG. 3.



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FREDERICK F. WEINGARD, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO CHARLES HAFER, OF SAME PLACE.

MUSICAL TOY.

SPECIFICATION forming part of Letters Patent No. 596,643, dated January 4, 1898.

Application filed March 27, 1897. Serial No. 629,485. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK F. WEINGARD, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Musical Gyrating Toys; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention has reference to an improvement in gyrating toys, the object being to produce musical and discordant sounds by the gyratory movement of the suspended body, the invention consisting in the construction of a frame, stretched between and around two opposing rails of which are preferably continuous rubber bands of a suitable number and width in order to produce the desired result.

I have illustrated the invention by a drawing herewith, in which—

Figure 1 is a face view of the frame, shown supplied with a number of different widths of continuous bands of rubber suitable to produce certain sounds while passing through the air. The same view shows in detail the manner in which I prefer to construct and arrange all the parts. Fig. 2 is a side view thereof. Fig. 3 is a top view.

In the drawings, *a* represents a frame, preferably constructed in rectangular form and made of wire.

In order to secure the best results in the production of sounds by whirling the frame rapidly through the air, I employ sleeves or cores *d d*, which may be free to rotate or secured to the upper and lower rails of the frame in a transverse plane to the whirl-cord *e*, connecting one of said sleeves to the hand of the operator. Continuous bands *n*, of rubber, which may vary in every possible manner both in numbers and width, are stretched to a proper tension around the sleeves *d*, entirely embracing the frame *a*, and the said bands may enter suitable grooves or channels *d'* in the periphery of the sleeves, these channels or grooves preventing any displacement to the bands.

In the construction of the device a suitable length of wire is first bent at a right angle at two points to insure the proper length to the side of the frame. The sleeves are then placed upon each of the corresponding arms of the wire compressed in the finished frame and then bent at a point agreeing with the length of each sleeve, the two ends of the wire being fastened together in any reliable manner.

I prefer both for cheapness and weight to construct the sleeves of wood or other light material and to connect the whirl-cord *e* to the upper one by means of a staple or screw-eye *g*.

The varying widths of rubber bands under tension around the frame, which, being whirled rapidly by the hand through the medium of the cord, by cleaving the air will give off and produce many changes of sound in keeping with the speed imparted to the frame, and the use of a few or many bands of varying widths will give unlimited variation of sound to the instrument, thereby producing a highly interesting and amusing toy and one that a child can operate.

I claim—

A musical toy formed in rectangular shape, consisting of two circular end pieces each constructed with circumferential grooves, and connected centrally with each other on their outer ends by means of wires, a number of flexible bands of differing widths encircling the said end pieces and separated from each other, a whirl-cord attached to one of the end pieces by which the device can be swung in a circular direction, the ever-changing position of the frame while being swung causing the flexible bands to cleave the air, substantially as described and for the purpose set forth.

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

FREDERICK F. WEINGARD.

Witnesses:
LEWIS F. BROUS,
CHARLES G. CORSON.