N. MORGENSTERN.

ANIMAL TOY.

APPLICATION FILED JAN. 28, 1919.

1,310,205.

Patented July 15, 1919.

Fig. 1.

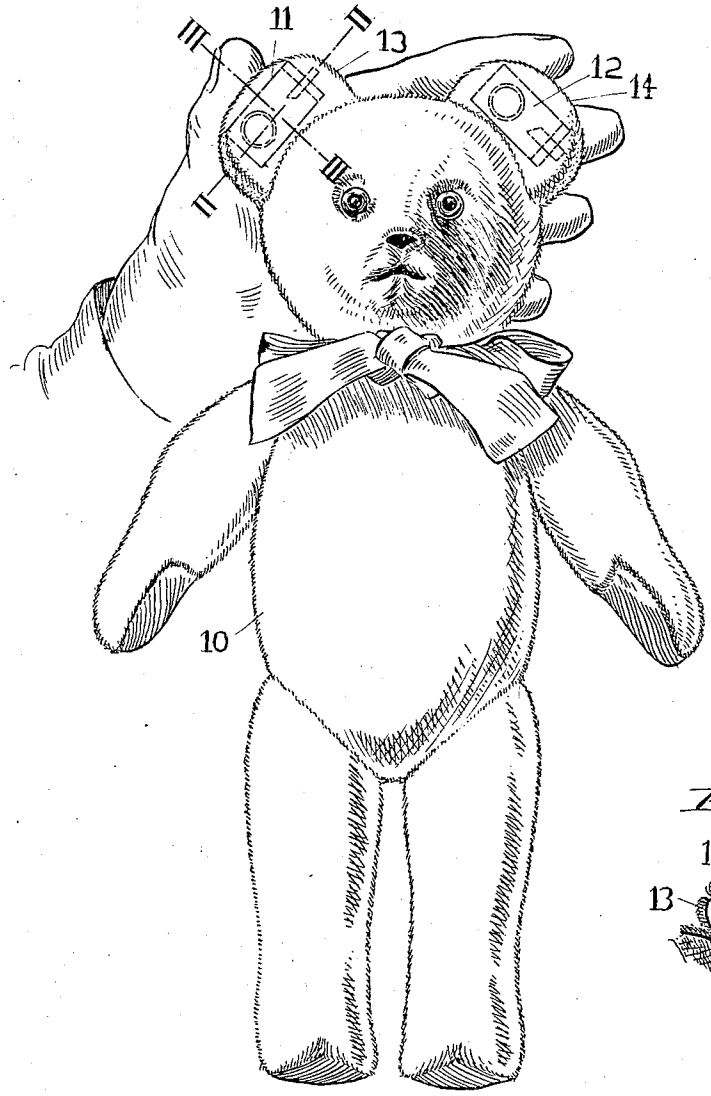


Fig. 3.

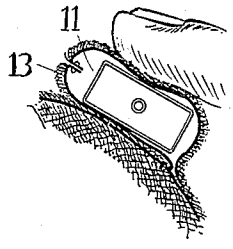
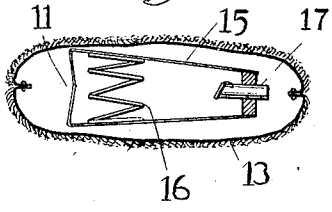


Fig. 2.



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ANIMAL TOY.

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To all whom it may concern:

Be it known that I, NATHAN MORGENSTERN, a citizen of the United States of America, residing at New York, borough of Brooklyn, in the State of New York, have invented certain new and useful Improvements in Animal Toys, of which the following is a specification.

This invention relates to improvements in animal-toys, which are pleasing in themselves to children and are adapted to produce sounds, such as whistling, musical tones, or voice-like sounds. One of the objects of the invention is to provide a toy in the form of any animal, preferably a bear, which is covered by flexible material such as plush, and which may contain two sounding devices so arranged and disposed under and concealed by such flexible covering that a child may press on the covering at the points where such sounding devices are located, and produce simultaneous sounds, or the two sounding devices can be operated in succession. Another object is to specially locate such sounding devices in the flexible ears of a flexibly covered toy animal or doll in such a way that a child may simultaneously move or wiggle both of said ears with one hand, and cause the sounding of the sounding devices, which may have the same or different tones.

Referring to the drawings showing a suitable embodiment of the invention—

Figure 1 is a front view of the toy or doll, showing how one hand may be used to produce two sounds;

Fig. 2 is a section through one of the ears, on the line II—II, Fig. 1; and

Fig. 3 is a section on the line III—III, Fig. 1.

The animal toy 10 may be in the form of a bear, dog, or other animal (including human beings) and is preferably constructed in a well-known manner with a filling of any suitable yielding material, such as excelsior or hair, so that when the same is covered as by a flexible covering of plush, for instance the toy will yield to pressure. At least two suitable sounding devices 11, 12, are preferably arranged in pockets produced by the flexible ears 13 and 14, which are unfilled except by such sounding devices. The ears are composed of flexible material or fabric, such as plush, and before completely sewing up the ears an opening is left in each, so that such sounding devices may be inserted in substantially the position shown, or in any other suitable position, into the pockets formed by said ears, and then the openings may be closed by hand-stitching so as to maintain said sounding devices in position. It is not ordinarily necessary to otherwise confine and hold the sounding devices in the ear-pockets. The said sounding devices may be substantially identical, or of different tones and may be such as can usually be procured in the open market. It will be seen that the ears are so close together that one hand of the child playing with the toy can bear on the ears one at a time and produce successive sounds, or such hand can cause them to sound simultaneously.

Specifically, and as shown, it will be seen that each sounding device comprises a small pneumatic or bellows 15 containing a spring 16, and provided with a sounding reed 17. The material of the ear is porous and thus admits air so that when the ear is properly pressed the sounding device will produce a sound, and when it is released the air will rush in and fill up the bellows 15, the bellows being expanded by the spring 16. The material of the ear, although flexible, is stiff enough so that the ear will assume an outward position when released from the pressure, but when the ear is wiggled or pressed forward, the tension on the material of the ear will act on the sounding device and cause it to sound.

It will be seen that a pneumatic sounding device is placed in a projecting, flexible and resilient movable part such as an ear, which preferably contains no other filling at the space between the side walls of the ear, this space being preferably occupied solely by the pneumatic sounding device, to fill the ear and hold it distended. When the ear or the like is pressed forward or compressed, the walls of the same therefore act instantly against the pneumatic sounding device, and a sound is emitted which is clear and distinct, and not muffled, as by a separate filling. In this connection, it is to be observed that the free air space directly adjacent the pneumatic sounding device tends to magnify the sound rather than to suppress it or hold it in.

It will be obvious to those skilled, that the invention is susceptible of modification, as

other but equivalent arrangements of sounding devices can be resorted to, without departing from the scope of the claims.

What I claim as new is—

1. In an animal toy, in which there is a flexible covering, parts of which project as pocket members, at two points of said toy, two pneumatic sounding devices inserted in the said pocket members and against opposite walls of said members, so as to be underneath and within the flexible covering thereof and to hold the same distended, said pocket members with their contained pneumatic sounding devices being located at such a distance apart as to be simultaneously soundable, by means of the pressure of a single hand upon said flexible members.

2. In an animal toy in which there is a flexible porous covering, of fabric, a part of which covering projects from the toy as a flexible pocket member, a pneumatic sounding device inserted in the said projecting pocket member and against the opposite flexible walls thereof and so as to hold the same distended, said pocket member containing no other resisting filling than said pneumatic sounding device, and said pocket member being adapted to be flexed and wiggled so as to cause the production of a sound.

3. In an animal toy, a body having limbs and a head, and provided with ears, one at least of which ears is composed of porous flexible material and forms a projecting, flexible pocket member, and a pneumatic sounding device in and constituting the filling of said pocket member, and adapted to sound upon shaking or wiggling said pocket-forming ear, said ear being adapted to return of itself to its normal projecting position, when released.

NATHAN MORGENSTERN.

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