J. LEVINE.

TOY ANIMAL.

APPLICATION FILED NOV. 14, 1919.

1,359,398. **Patented Nov. 16, 1920.**

Fig.1.

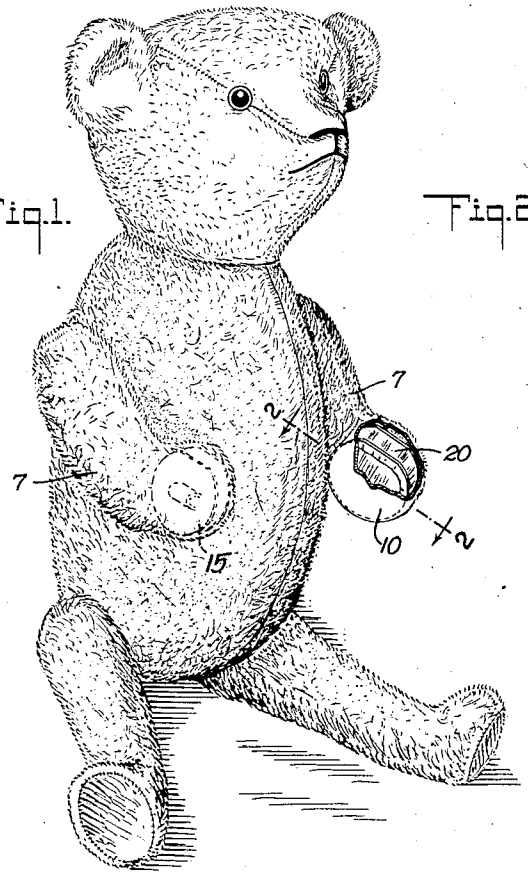


Fig.2.

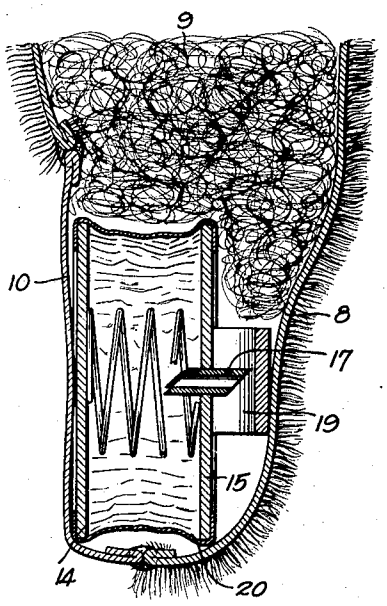


Fig.3.

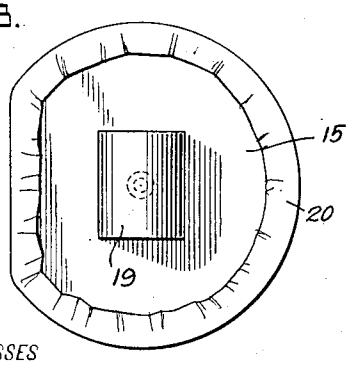


Fig.4.

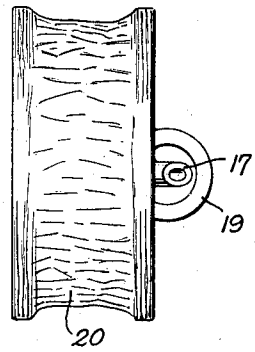
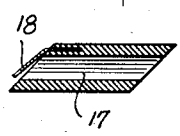


Fig.5.



WITNESSES

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TOY ANIMAL.

1,359,398. Specification of Letters Patent. Patented Nov. 16, 1920.

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To all whom it may concern:

Be it known that I, JACOB LEVINE, a citizen of Russia, and a resident of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Toy Animal, of which the following is a full, clear, and exact description.

This invention relates to toys, and more particularly to toy animals. The invention relates specifically to audible tone producing devices related with toy animals.

It is an object of my invention to produce an interesting and amusing toy animal for children, which is provided with audible tone producing elements for adding to the pleasure and amusement of its use by children. It is a further purpose to provide a toy animal having a tone producing device such as a whistle incorporated in the hand, paw, or arm of the top animal so the toy will respond when taken by the hand, or when the toy animal's hand is grasped by the child in playing with same.

It is a further object to provide a simple, and inexpensive form of audible tone producing device which may be effectively combined with a toy animal such as a Teddy Bear, for making the toy more amusing to users, and for making the toy more profitable and salable in the market.

With the above principal objects and others in view, the invention has relation to the toy animal disclosure presented in this specification, set forth in the appended claim, and illustrated in the accompanying drawings, wherein,

Figure 1 illustrates a perspective view of a Teddy Bear, showing the bear with hands or paws in each of which is placed an audible tone producing device such as a whistle. Fig. 2 illustrates a cross sectional view of the Teddy Bear's hand or paw, said section being taken on the line 2—2 of Fig. 1. Fig. 3 illustrates a plan view of a whistle, the same having been removed from the paw of the toy animal, and Fig. 4, illustrates a side elevation of the whistle device shown in Fig. 3. Fig. 5 shows a cross sectional longitudinal view of a whistling reed employed as an element of the whistle shown in Figs. 3 and 4.

A toy constructed in accordance with the principles of my invention makes use of any miniature toy animal design such as a Teddy Bear, or dog. A whistling device or any practical form of audible tone producing element is incorporated in the structure of the toy animal, and preferably inclosed in the hand or paw of the toy animal in order that the toy animal may emit joyful, responsive tones when playfully approached and his hand shaken by a child.

In presenting a more detailed description of my invention I refer to the drawings where the numeral 7 points out the arm of a toy animal such as a young Teddy Bear. A cross sectional view of the stuffed fabric construction of the arm 7 is shown in Fig. 2. The toy animal is constructed of suitable heavy fabric 8 made in desired shape and form and stuffed with any suitable packing material 9. The hand or paw is finished off by inserting a fabric, or preferably leather, piece 10 at the end of the paw by sewing or otherwise joining the leather piece 10 to the fabric arm material 8. The end portion of the arm 7 is left open or not stuffed with packing material 9 in order to form a receptacle in which the audible tone producing device is inserted.

A whistling device is constructed of a pair of opposed disk members 14 and 15. A resilient spring 16, preferably coil spring, is confined between the disk members 14 and 15 and acts to keep the disk members in outwardly expanded and spaced relation one from the other. Each end of the spring 16 may be fixed to each disk 14 and 15.

A whistling reed 17 is fixed in one of the disks. This reed is preferably beveled off on each end as shown in the detail structure Fig. 5, and one end of the reed 17 is fitted with a vibrating vane 18. The vane 18 is inserted in a small slot or pushed down into the reed material with the upper free end thereof, bent over the reed opening and adapted to rapidly vibrate when air passes through the reed. In order to effectively protect the outer end of the delicate reed 17, a protective casing 19 is fixed to the outer face of the disk 15 by gluing it thereto or otherwise securing same. The casing 19 is fixed over the outer end of the reed 17 and prevents the sharp end of the reed from contacting or rubbing against the arm material or fabric portion 8 of the toy animal's arm.

The disks 14 and 15 comprising the whistle are covered with a suitable flexible retaining material such as cloth or paper 20. The flexible material 20 must necessarily be air-tight, or approximately air-tight, in order

to form a closed air space or air diaphragm within the whistling device. The material 20 is lapped over the outer edges of the perimeter of the disks 14 and 15 and cemented or otherwise securely fixed thereto.

The whistle as described is inserted in the hand or paw of the Teddy Bear. In Fig. 1 the whistle 15 is shown in dotted lines in one of the animal's paws, while the other paw thereof is shown to be installed with the whistle, said paw being broken away to expose a portion of the whistle in full lines. The whistle 15 is placed in the paw and the leather cover 10 securely sewed to the fabric material 8.

By pressing the paw of the animal the closed air diaphragm comprising the whistle parts is compressed. This action on the part of the whistle sets up an air pressure within the closed drum which forces a stream of air at high velocity through the reed passage 17, and the consequent action is a rapid vibration of the vane 18. This vibration produces a whistling sound similar to any ordinary form of whistle. The device repeats the whistling action upon each compression and release of the whistling device or air drum.

The invention is substantial in structure, comparatively inexpensive to produce, and adds to the attractiveness, utility and salability of toy animals.

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

In a toy animal having paws provided with a flexible covering, the combination with part of the covering on said paws, of a whistling device held in place by the covering of each paw, and operable by a manipulation of the covering over the respective paws, each of said whistling devices comprising a pair of disks arranged substantially parallel to the covering thereof, a flexible substantially annular connecting member connecting the edges of said disks so as to produce an airtight inclosure, a spring for normally holding said disks separated, a tubular member extending through one of said disks, a sounding reed carried by said tubular member adjacent one end, and a looped member forming a guard over the end of the tubular member extending from said disk, said looped member being positioned to be engaged by part of the covering of the respective paws when said covering is compressed for causing the disks to move together, said movement causing an impulse of the air through said disks through the tubular member past the reed and thereby resulting in a sound proportioned in length to the degree of movement of the disk.

JACOB LEVINE.