Feb. 2, 1926. 1,571,868

G. H. PARSONS

DOLL

Filed Sept. 11, 1924



Fig. 1.

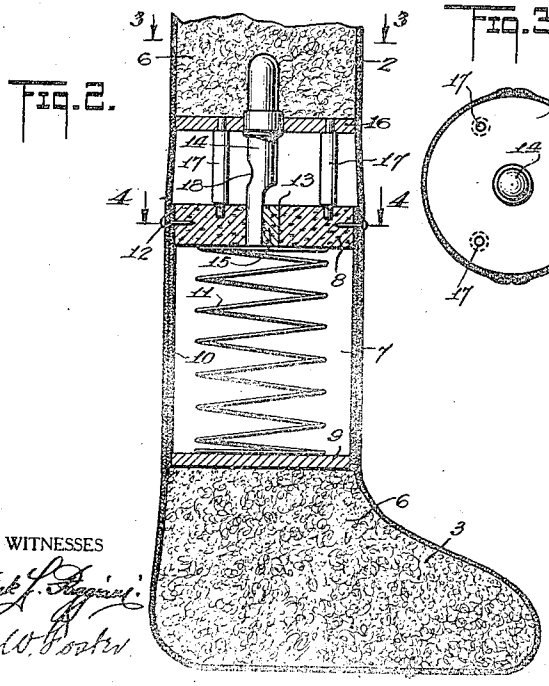


Fig. 2.

Fig. 3.

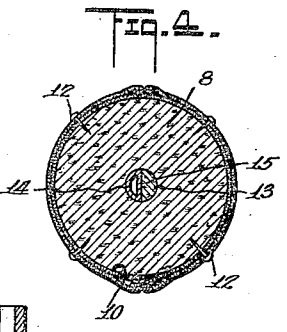


Fig. 4.

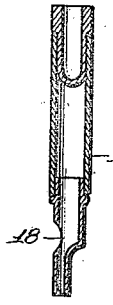


Fig. 5.

WITNESSES

Frank L. Riggin

A. W. Foster

INVENTOR

GEO. H. PARSONS.

BY Munn & Co

ATTORNEYS

Patented Feb. 2, 1926. 1,571,868

UNITED STATES PATENT OFFICE.

GEORGE HARRY PARSONS, OF NEW YORK, N. Y., ASSIGNOR TO AVERILL MFG. CO., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

DOLL.

Application filed September 11, 1924. Serial No. 737,157.

To all whom it may concern:

Be it known that I, GEORGE H. PARSONS, a citizen of the United States, and a resident of the city of New York, borough of the Bronx, in the county of Bronx and State of New York, have invented a new and Improved Doll, of which the following is a full, clear, and exact description.

This invention relates to dolls, an object of the invention being to provide a doll which when jumped up and down, pressure being applied to one leg at a time, whistles within the legs of the doll will be sounded so that the doll when caused to simulate a dance will issue sounds as if the doll were whistling.

A further object is to provide a doll in which the pressure or compression of one leg will sound one whistle, and a similar movement applied to the other leg will sound another whistle, the whistles having different tones so that the operations will give a novel whistling sound or sounds.

A further object is to provide a doll of this character in which the whistling mechanisms are located within the legs of the doll and do not disfigure or change the appearance of the doll in any manner.

A further object is to provide whistles mounted in the legs of a doll in such a manner as to permit a free operation of the whistles, or, in other words, provide an improved whistle operating unit having improved mounting in the legs of a doll which will permit the necessary air force and prevent interference with the sound wave.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts which will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings—

Figure 1 is a perspective view of my improved doll showing the manner of operating the same;

Figure 2 is an enlarged view in longitudinal section through one of the legs of the doll, illustrating my improved sounding unit therein;

Figure 3 is a view in transverse section on the line 3—3 of Figure 2;

Figure 4 is a view in transverse section on the line 4—4 of Figure 2;

Figure 5 is a view in longitudinal section illustrating one of the whistles which I may employ.

In carrying out my invention I employ a doll body 1, head and arms, of any suitable design and dressed in any suitable manner. The legs 2, 2 may be of course formed in various ways but are preferably integral parts of the material forming the body and are of suitable material. The feet 3 of the doll are of the same material which forms the legs and body, and the feet and legs may have shoes 4 and stockings 5 thereon, as illustrated.

My invention relates more specifically to the novel sounding units arranged in a novel manner within the legs of a doll, and I have illustrated in Figures 2, 3 and 4 one of these units, and it is to be understood that similar units are provided in both legs of the doll with the exception that the whistles employed are of different length or otherwise made so as to give different tones or sounds. The description, therefore, of one unit will apply alike to both.

The foot portion 3 is filled with any suitable material 6, and a bellows unit 7 is supported on this packing and is of a diameter to fit neatly within the leg. This bellows unit comprises an upper disk 8, preferably of cork, and a lower disk 9, preferably of cardboard. Around these disks a sheath or tube 10 of rubber cloth or other similar flexible material is secured to form an air-tight chamber in which a coil spring 11 is located. This bellows unit may be secured within the leg of the stocking by tacks 12 driven through the material of the leg and into the cork disk 8.

This cork disk 8 is provided with a central opening 13 receiving the smaller end of a whistle 14. The opening 13 is preferably made circular, and after the whistle 14 is located therein the opening is plugged by means of a small piece 15 of cork of proper shape.

The upper end of the whistle 14 projects through a disk 16 and spacing pins 17 are located between the disks 16 and 8 and have reduced ends located in openings in the respective disks, as shown, so as to maintain the whistle unit in proper assemblage and to maintain an open air space around the opening 18 of the whistle through which the air is discharged in causing the sound to be made.

The whistle 14 in one leg is constructed so that it will give a different note or tone from the whistle in the other leg, and I have illustrated in Figure 5 a form of whistle 14 which has a longer body than the whistle shown in Figure 2, and with a slight reversal of parts to that shown in Figure 2 although it is, of course, to be understood that the invention is not limited to the particular construction of whistle as I desire to cover broadly the idea of whistles having different tones and operated by movement or compression of the legs.

It will be noted that the disks 16, 8 and 9 and the parts connected thereto constitute a unit which can be readily assembled and positioned in the doll. This is done after the feet are filled with the material 6, and when the units are in place in the legs similar material 6 is packed above the units and in the body of the doll, or otherwise arranged to suit the trade.

In any event it is necessary that there be no obstruction to the opening 18 and that there be a sufficient air compression to give the necessary volume to sound the whistles.

Figure 1 illustrates the manner of operating the doll. The doll is held in one or both hands and caused to jump or bounce first on one foot and then on the other, and giving as many compressions to the legs as may be desired to give the desired tone effects. This operation of the doll gives the appearance of dancing and the sounds simulate whistling so that to the observer the doll is dancing and whistling an accompaniment at the same time.

Various slight changes and alterations might be made in the general form of the parts described without departing from my invention, and hence I do not limit myself to the precise details set forth but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of the appended claims.

I claim:

1. As a new article of manufacture, a doll having longitudinally compressible legs, a whistle in each leg of the doll, and means in each leg of the doll for forcing air through a whistle when the leg is compressed longitudinally.

2. A doll having longitudinally compressible legs, whistles in said legs, and a bellows unit for each whistle located in the legs and communicating with the whistles and adapted to sound the whistles when the legs are compressed longitudinally.

3. A doll having longitudinally flexible legs, a bellows unit in each leg, a whistle in each leg communicating with the bellows unit, and spacing means in the legs around the outlets of the whistles and adapted to sound the whistles when the legs are compressed longitudinally.

4. In combination with a doll having longitudinal compressible legs, a whistle unit for each leg of the doll, comprising a pair of disks, pins spacing the disks apart, a whistle mounted in the disks having its outlet between the disks and its inlet at one face of one disk, and a bellows unit communicating with the inlet end of the whistle and adapted to force air through the whistle to sound the same when the leg is compressed longitudinally.

5. A toy in the form of an image in the similitude of a human having a body and a pair of limbs extending from one end thereof and in the general longitudinal direction of the toy, said limbs being compressible whereby to operate sounding units therein, sounding units in each of said legs and adapted for independent and joint operation and to be operated by a bodily movement of the entire toy in the direction of length of the legs and for operation by the longitudinal compression of the legs as and for the purpose set forth.

6. A toy, comprising a doll, having longitudinally compressible legs, bellows units in the respective legs and whistles in the respective legs, said whistles being of different tones and operated by the respective bellows units when the legs are compressed by an action simulating a dance of the toy.

GEORGE HARRY PARSONS