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(54) **Shoe-foot for elastic doll legs incorporating a push button switch**

(57) This invention refers to a shoe-foot for elastic doll legs incorporating a push-button switch which, being applicable preferably in that type of shoe-foot in which each doll elastic lower limb ends, said shoe-foot being made up of a cavity which purpose is to house the foot of the user or child, and retaining said foot inside said cavity through an elastic strip fitted to for that purpose to the rear end of the shoe-foot, is characterized because upon the lower surface of the corresponding sole of the shoe-foot itself is located an elastic bubble or nipple, inside which is housed a push button which actuation closes an electric power circuit that activates a sound emitting device incorporated in the doll itself; having foreseen that the sole be of an elastic nature, whereas the bubble or nipple housing the push button could be made up of the same or different material as said sole; all of the foregoing so that the action of resting the foot on the ground and corresponding pressure of the sole upon the ground will cause a deformation of the bubble or nipple and thus the actuation of the push button, recovering its at rest position when said pressure upon the ground ends.

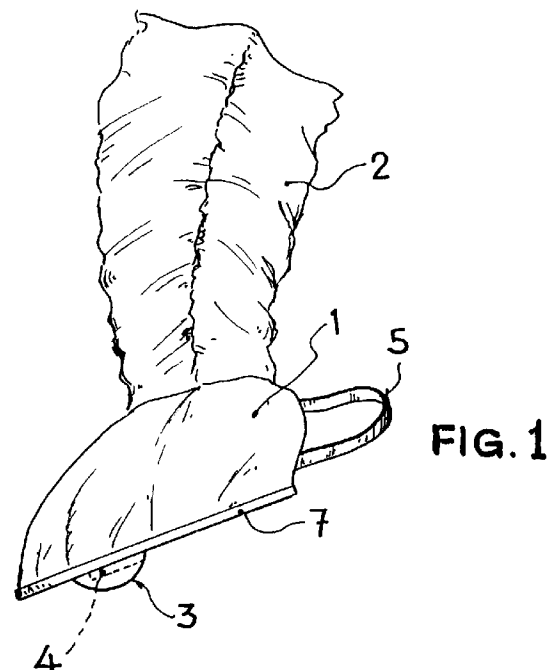


FIG. 1

Description

The invention refers to a shoe-foot for elastic doll legs incorporating a push-button switch, which purpose is to achieve the opening/closure of a circuit that supplies power to a sound reproduction device incorporated in the body of the doll itself, closing said circuit when the foot is placed and pressed upon the ground, whereas the circuit remains open as long as the foot is not pressed upon the ground.

The application of the subject of the invention is expected to be in that type of dolls that are made up of elastic lower limbs ending in hollow parts, serving as shoes, which hollow portions are later opened to enable the introduction of the forward part of the feet of a child, attaching to them through, for instance, a elastic strip attached to the rear end of the fore mentioned cavities or hollow portions of the lower limbs of the doll, all of the above so that because of the coupling between the feet of the child and the cavities or hollow portions of the doll, when the child walks he/she will effect the same movements as the doll and the doll may be attached to the child, so that if they have similar sizes it will seem as if the doll is walking on its own.

Hence, this hollow part of shoe-foot incorporated into each of the legs of the dolls has the particularity that its sole is elastic and in an area approximately intermediate has a kind of bubble made of the same or different material, but of an elastic and flexible nature, which bubble sticks out downwards and includes inside it a push button operating a switch that opens or closes an electric power supply circuit to actuate a sound reproduction device integrated into the doll itself.

That is to say, when the user or child introduces his/her feet, whether shod or not, into the cavities or shoes-feet of the doll, when the feet is rested upon the ground the bubble will deform and the push button will then be actuated, activating the switch and closing the circuit, which will start up the sound reproduction device, which could be of any kind whatsoever.

A detailed description of the invention has been effected, in order to permit a better understanding of its characteristics, on the basis of a set of drawings attached to this patent specification, being an integral part thereof and where the following has been represented, with a merely illustrative but not limitative character:

Figure number 1 shows an elastic lower limb of a doll incorporating the shoe-foot with the push-button fitted bubble, in accordance with the object of the invention.

Figure number 2 shows the same as the previous figure, in the switch actuation position.

The number references in the fore mentioned figures correspond to the following parts and elements:

1.- Shoe-foot of the doll

2.- Elastic member of the doll

3.- Bubble or nipple on the shoe-foot

4.- Electric circuit opening/closure push-button

5.- Shoe-foot (1) rear elastic strip

6.- Foot of the user of child

7.- Shoe-foot (1) sole

In accordance with, and as may be observed in the fore mentioned figures, the object of this invention is none other that fitting the shoe-foot (2) fitted at the end of the elastic lower limb (2) of a doll, with a kind of elastic bubble or nipple (3) housing a push button (4).

The shoe-foot (1) constitutes a cavity open at its rear, fitted with an elastic strip (5) to hold the foot (6) of the user or child when said user or child introduces his/her foot (6) into said cavity or shoe-foot (1) of the doll.

The elastic bubble or nipple (3) is located on the lower surface of the sole (7), so that when the child introduces his/her foot (6) inside the shoe-foot (1) of the doll and starts to walk, when the sole is rested on the ground, the bubble or nipple (3) will suffer a deformation leading to the application of pressure and actuation of the push button (4) housed inside said bubble or nipple (3), so that the actuation of said push button (4) shall close a circuit that will supply power and thus activate a sound device fitted in the doll itself.

Obviously, when the sole (7) is no longer being pressed, that is to say, when it is taken off the ground, then the bubble or nipple (3) does recover its normal shape and stops actuating upon the push button (4).

The doll may optionally be fitted with a hand operated push button switch so that the child may also disconnect the sound emitting device or may otherwise be used to change to a different tune.

Claims

1st.- Shoe-foot for elastic doll legs incorporating a push-button switch which, being applicable preferably in that type of shoe-foot in which each doll elastic lower limb ends, said shoe-foot being made up of a cavity which purpose is to house the foot of the user or child, and retaining said foot inside said cavity through an elastic strip fitted to for that purpose to the rear end of the shoe-foot, particularly characterized because upon the lower surface of the corresponding sole of the shoe-foot itself is located an elastic bubble or nipple, inside which is housed a push button which actuation closes an electric power circuit that activates a sound emitting device incorporated in the doll itself; having foreseen that the sole be of an elastic nature, whereas the bubble or nipple housing the push button could be made up of the same or different material as said sole; all of

the fore going so that the action of resting the foot on the ground and corresponding pressure of the sole upon the ground will cause a deformation of the bubble or nipple and thus the actuation of the push button, recovering its at rest position when said pressure upon the ground ends. 5

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