Aug. 26, 1930. A. J. WILSON 1,773,834

FIGURE TOY

Filed March 1, 1929

Fig. 1.

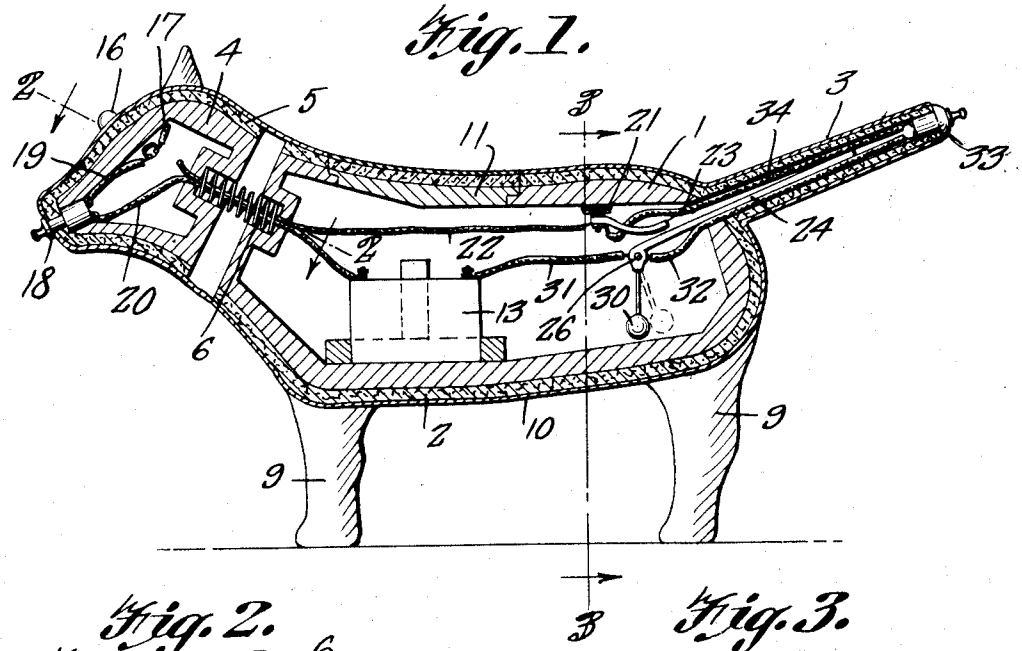


Fig. 2.

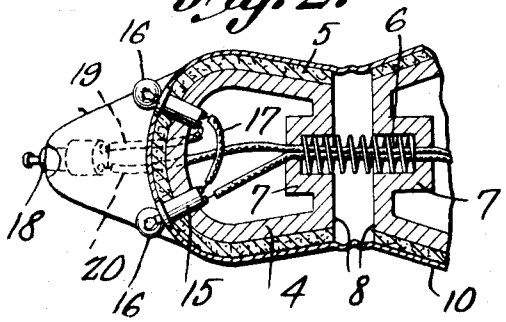


Fig. 3.

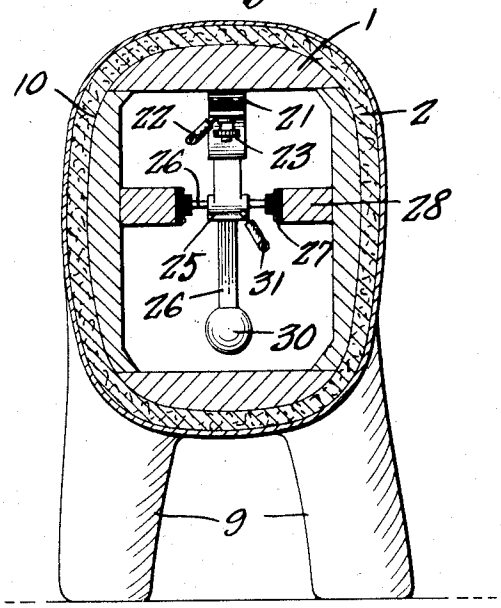
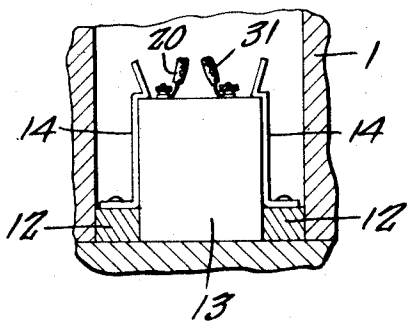


Fig. 4.



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WITNESS:

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UNITED STATES PATENT OFFICE

ABBIE J. WILSON, OF BANGOR, MAINE

FIGURE TOY

Application filed March 1, 1929. Serial No. 343,667.

This invention relates to figure toys and its general object is to provide a novelty toy that includes illuminating means to simulate eyes, the illuminating means being of a character whereby the toy can be used for lighting purposes, yet the toy is amusing as well as ornamental as the illuminating means can be caused to flash upon the operation of mechanism for that purpose.

A still further object of the invention is to provide a toy of the character set forth, that is life like, due to the type of the covering thereof, and the movement and function of certain of its parts, namely the head in some of the forms of the invention, and the head and tail in other forms.

Another object of the invention is to provide a toy of the illuminated type, that is extremely simple in construction, inexpensive to manufacture and efficient in operation and service.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a longitudinal sectional view taken through one form of my invention.

Figure 2 is a sectional view taken approximately on line 2—2 of Figure 1, looking in the direction of the arrows.

Figure 3 is a sectional view taken approximately on line 3—3 of Figure 1, looking in the direction of the arrows.

Figure 4 is a sectional view taken through a portion of the body of the toy and illustrating the source of electrical energy, namely the battery and the securing means therefor.

Referring to the drawings in detail, it will be noted that I have illustrated my invention in the form of a dog, but I want it understood that it can be in the form of any animal, or dolls of various characters.

In the form as shown, the body includes a hollow frame 1 which may be made of wood or other material, but in any event is provided with a covering of felt or like soft material 2 which follows the shape of the frame as shown, as well as extends outwardly from the body to provide a tail portion 3.

The head of the toy also includes the hollow frame 4 that is likewise covered with felt or like material 5. The head is disposed in spaced relation with respect to the body but is connected therewith through the instrumentality of a coil spring 6 that has its end convolutions disposed in sockets 7 formed in the confronting flat portions 8 of the respective frames 1 and 4 as best shown in Figure 1. Of course, in the form as shown, the head is shaped to simulate a dog's head, and formed with and extending from the body are legs 9.

The body, head, legs and tail portion are covered by material 10 that is pliable and together with the felt coverings will give the toy a life like effect when being handled.

In order to carry out the characteristics of the dog as shown, it will be noted that ears are also provided.

Formed in the top of the body and preferably in the back of the toy is an opening whereby access may be had to the interior of the body, and this opening is provided with a door in the form of a lid 11 which is of a shape to fit the opening and is covered with felt or the like with a covering of the material 10 thereon.

Arranged below the opening is a frame 12 of a size to snugly receive a battery 13 which is secured in the frame by spring tongue clamps 14.

Arranged in the head are lamp sockets 15 which receive lamp bulbs 16, and these sockets and bulbs are disposed in a manner whereby the lamp bulbs will simulate eyes. The sockets are electrically connected together through the medium of a conductor 17, and one of the sockets is electrically connected to a switch 18 secured in the mouth portion of the head by a conductor 19, while the switch is in electrical connection with the battery through the medium of a conductor 20. Secured to the underside of the top of

the body frame is a binding post 21 that receives one of the ends of a conductor 22, while the opposite end of the said conductor 22 is in electrical connection with the other lamp socket 15.

A spring contact member 23 has one of its ends fixed to the binding post 21, while its opposite end is free and disposed in the path of a metallic strip 24 of electric conducting material. This strip extends into the tail portion and terminates at one end therein, while its opposite end is fixed to a collar 25 that is mounted upon a stub shaft 26 having its ends disposed for rocking movement in bearings 27 that are secured to the confronting ends of bracket members 28 which extend from the side walls of the body frame as best shown in Figure 3. The collar has secured thereto and depending therefrom an arm 29 which has fixed on its lower end a weight 30. The collar is in electrical connection with the battery by a conductor 31 and a conductor 32 is also connected with said collar at one end, while its opposite end is connected with a switch 33 secured in the tip end of the tail portion 3. The switch is also in electrical connection with the binding post 21 through the medium of a conductor 34.

From the above description and disclosure of the drawings, it will be obvious that I have provided a novelty toy that may be used for lighting purposes, as the lamp bulbs are of a size and are supplied with sufficient energy from the battery for that purpose, but the toy is also very amusing, as the head portion will shake for a length of time due to its connection with the body portion through the medium of the coil spring, when the head portion is given an initial start for that purpose.

The circuit to the lamp bulbs is closed by the switches 18 and 33, and the lamp bulbs can be caused to flash when the tail portion is moved as such movement will bring about momentary engagement of the strip 24 with the spring contact member 23 and the movement of the tail is prolonged by the rocking of the weight 30 as shown in dotted lines in Figure 2.

Such movement of the parts of the toy as above set forth will naturally make the toy life like and by providing pliable material 10 together with the felt covering inwardly of the material, it will be apparent that a life like effect will be given when the toy is being handled.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:

A toy of the character described comprising a hollow body, a hollow head, legs connected with the body, a tail portion connected with the body, a pliable covering for the body, head, legs, and including the tail portion, spring means between the body and head for connecting the latter to the body and to allow free movement thereof with respect to the body, illuminating means carried by the head and arranged thereon to simulate eyes, switch means for controlling the illuminating means, and means for causing the illuminating means to flash upon movement of the tail portion and including a metallic strip extending into the tail portion, a collar formed with the metallic strip and pivoted in the body, an arm depending from the collar, a weight carried by said arm, and a spring contact member in the path of the metallic strip to be engaged thereby by movement of the tail portion.

In testimony whereof I affix my signature.

ABBIE JO. WILSON.