Dec. 7, 1926 1,610,155

R. E. RILEY ET AL

INFLATABLE FIGURE TOY

Filed March 9, 1926

Fig. 1.

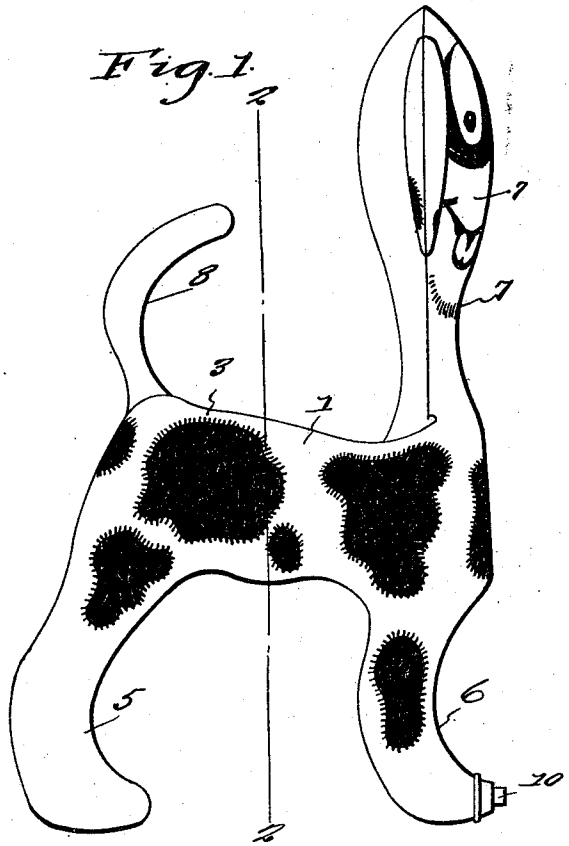


Fig. 2

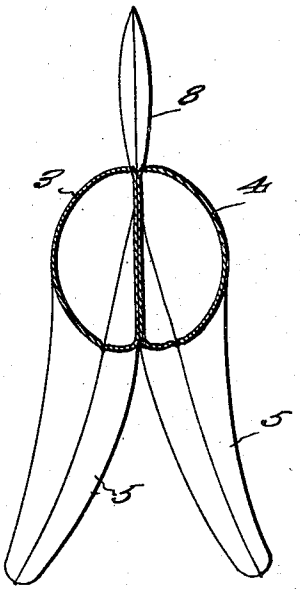


Fig. 3

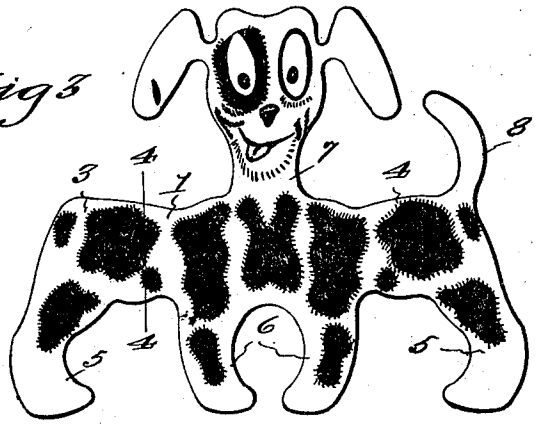


Fig. 4.

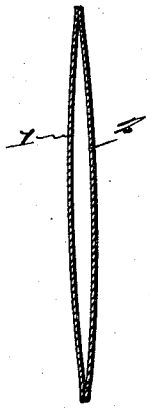
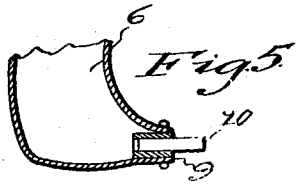


Fig. 5.



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UNITED STATES PATENT OFFICE.

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INFLATABLE FIGURE TOY.

Application filed March 9, 1926. Serial No. 93,427.

Our present invention relates to inflatable toys.

The principal object of our invention is the provision of an inflatable toy made preferably from sheets of unvulcanized rubber and later vulcanized, which will have four legs simulating a quadruped, these legs to be in their natural position. Obviously the invention is not limited to the production of quadrupeds, as bipeds may likewise be produced.

In such toys it has long been a problem as to what method of manufacture to follow so that the legs will occupy their normal and natural position and at the same time not involve a complicated and expensive method, or intricate and costly machinery.

To this end our invention comprises generally superimposing upon each other, two sheets of unvulcanized rubber or other suitable material, cutting these sheets to the shape desired either before or after superimposing them, seaming the edges so as to form a single inflatable compartment which will include the simulation, in a quadruped, of a head, two bodies and two sets of limbs. After seaming and vulcanizing the sheets, one body is then folded upon the other so that they and the two sets of limbs register, and then they are cemented or otherwise secured to hold the two bodies in this position.

A tail, if the object simulated has a tail, may be provided in one of the bodies to increase the realism of the imitation. A valve may then be placed in a limb, tail, or at any other place through which the toy may be inflated or deflated, as desired.

It will be noted in the specific embodiment of this invention that the head portion forms a part or an extension of the symmetrical figure including both bodies, that is, it rises and extends from approximately the symmetrical center of the two body portions. Such being the case, when the cut out figure is folded so that the bodies are superimposed, the neck of the head rises from each of the superimposed bodies and the plane of the sheet of material forming the head is substantially at right angles to the plane of the body.

The invention consists further in the novel construction, combination and arrangement of parts hereinafter described and shown in the drawings.

In these drawings:—

Figure 1 is a view of the completed device.

Fig. 2 is a sectional elevation along the line 2—2 of Fig. 1.

Fig. 3 is a view of the device of Fig. 1 before folding.

Fig. 4 is a sectional view along the line 4—4 of Fig. 3.

Fig. 5 is a detail of the valve structure.

Referring to the embodiment shown, the numeral 1 indicates a sheet of material such as unvulcanized rubber, and 2 a second sheet of the same material superposed thereon. From these sheets there is then cut a figure simulating the animal to be imitated, such as by the use of a blunt knife or die, as is well known in this art. Such cutting or dieing serves to seal the edges of the sheets so that upon vulcanization, this seam becomes permanent.

It will be noted that such cut out figure comprises two substantially symmetrical bodies 3 and 4, each having its own limbs 5 and 6, and a head 7 rising from a point at approximately the symmetrical center of the joint bodies 3 and 4. The sheet 2 may be ornamented in any desired manner depending upon the object imitated. In the form illustrated, it will be seen that the face of the animal is substantially in a plane at right angles to the plane of its body.

A tail 8 forms an extension of one of the bodies 4 to more nearly simulate the animal desired.

In order to complete the animal toy, one body 3 is now folded upon the other body 4 so that the outlines thereof and the corresponding limbs substantially coincide. Any desired material or substance, such as cement, may be utilized to secure the two bodies in such superimposed position, the limbs remaining unattached to each other.

A valve such as may comprise a cylindrical member 9 held in one of the limbs 5 as by a rubber band, is provided and closed by a plug 10 which may be removed when it is desired to inflate or deflate the toy.

It will be seen that upon inflation of the toy, the two bodies appear as one, but four distinct limbs are provided which effectively

simulate a quadruped in the form illustrated, the head of the animal rising from the proper place on the composite body.

Reference is here made to our copending application #93,426, filed March 9, 1926.

Having thus described our invention, what we claim is:—

1. An inflatable toy comprising a single inflatable compartment and including a head, two bodies and two sets of limbs, the two bodies superimposed upon each other, and their meeting sides secured together to form the body of the toy, the plane of the face being substantially at right angles to the plane of the body.

2. An inflatable toy comprising a single inflatable compartment and including a head, two bodies and two sets of limbs, the two bodies being superimposed and their meeting sides secured together, the head rising commonly from both bodies.

In testimony whereof, we affix our signatures.

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