

Dec 29, 1925.

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A. A. MENDELSON.

PNEUMATIC FIGURE TOY

Filed June 15, 1925

Fig. 1.

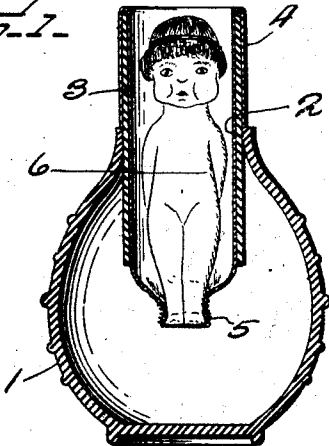


Fig. 3.

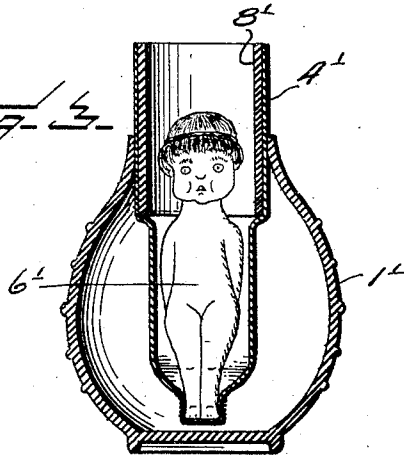


Fig. 2.

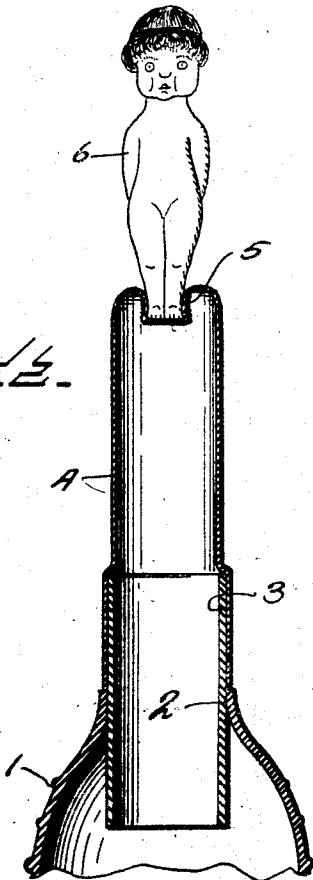
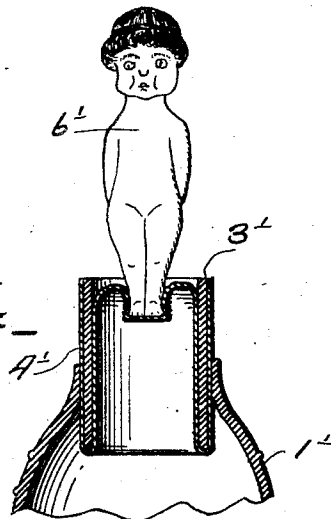


Fig. 4.



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UNITED STATES PATENT OFFICE.

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PNEUMATIC FIGURE TOY.

Application filed June 15, 1925. Serial No. 37,134.

To all whom it may concern:

Be it known that I, ABRAHAM A. MENDELSON, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Pneumatic Figure Toys, of which the following is a specification.

This invention relates to certain improvements in pneumatic figure toys and it is an object of the invention to provide a device of this general character which is highly amusing and which comprises a structure wherein the expansion or contraction of a compressible part operates to project or withdraw an object or figure.

Another object of the invention is to provide a toy of this character wherein pneumatic means are employed for projecting or withdrawing an object or figure and wherein the object or figure is so constructed that injury to the object or figure will not hinder or interfere with such projection or withdrawal.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved pneumatic figure toy whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:—

Figure 1 is a sectional view taken through a pneumatic figure toy constructed in accordance with an embodiment of my invention with the object withdrawn, the object being in elevation;

Figure 2 is a view similar to Figure 1 showing the object projected, said object being in elevation;

Figure 3 is a view partly in section and partly in elevation illustrating a toy constructed in accordance with another embodiment of my invention, the object being withdrawn;

Figure 4 is a view similar to Figure 3 showing the object projected.

In the embodiment of my invention as illustrated in Figures 1 and 2, 1 denotes a

ball or kindred collapsible member having its wall provided with a suitably positioned opening 2. Snugly inserted through said opening 2 is a sleeve 3 made from a rubber compound or kindred material, said sleeve 3 being relatively long and extending a material distance inwardly of the member 1 and outwardly thereof.

The extended or exterior portion of the sleeve 3 has tightly engaged thereover the open end portion of an elongated tube 4 the walls of which being highly flexible or pliable and preferably made of rubber.

The outer or closed end portion 5 of the tube 4 is attached to an object 6 herein disclosed as a figure, said object 6 being preferably constructed separately from the tube 4 so that in the event of injury to the object 6, the requisite operation of the toy will not be hampered or interfered with.

When the member 1 is in its normal or expanded condition, as illustrated in Figure 1, the resultant suction created therein will draw the object 6 down within the sleeve 3 and completely house therein and when the member 1 is compressed the resultant action of the air within said member 1 will inflate the tube 4 and project the same together with the object 6 as is illustrated in Figure 2. By this means, a highly amusing toy is provided the construction of which being such as to materially prolong the life of the device in comparison with toys of a similar general character heretofore employed.

In the embodiment of my invention as illustrated in Figures 3 and 4, the tube 4' has its open end portion engaged over the sleeve 3' from below so that when the member 1' is expanded the free portion of the tube 4' will extend within the member 1' below the sleeve 3' with the object 6' extending substantially entirely within the member 1' below the sleeve 3'.

In both forms of invention as herein set forth, it will be understood that the frictional contact of the tube 4 or 4' with the sleeve 3 or 3' is such as to effectively prevent leakage of air and also to maintain the tube against displacement and it is also to be understood that the engagement of the sleeve 3 or 3' with the member 1 or 1' is sufficiently tight to prevent leakage of air.

From the foregoing description it is thought to be obvious that a pneumatic figure toy constructed in accordance with my invention is particularly well adapted for

use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:—

1. A toy of the class described comprising a hollow compressible body having an opening in the wall thereof, a sleeve inserted within the body through the opening and securely held to the body, a pliable tube having an open end portion disposed over the sleeve and frictionally engaged therewith, the opposite end of the tube being closed, and an object carried by said closed end por-

tion of the tube, said tube and object being projected or withdrawn upon contraction or expansion of the hollow body.

2. A toy of the class described comprising a hollow compressible body, having an opening in the wall thereof, a sleeve inserted within the body through the opening and securely held to the body, a pliable tube having an open end portion disposed over the sleeve and frictionally engaged therewith, the opposite end of the tube being closed, and an object carried by said closed end portion of the tube, said tube and object being projected or withdrawn upon contraction or expansion of the hollow body, the object being free of communication with the interior of the tube.

In testimony whereof I affix my signature.

ABRAHAM A. MENDELSON.