July 10, 1923. 1,461,193

H. LARSEN

PNEUMATIC TOY

Filed Feb. 10, 1922

Fig. 2.

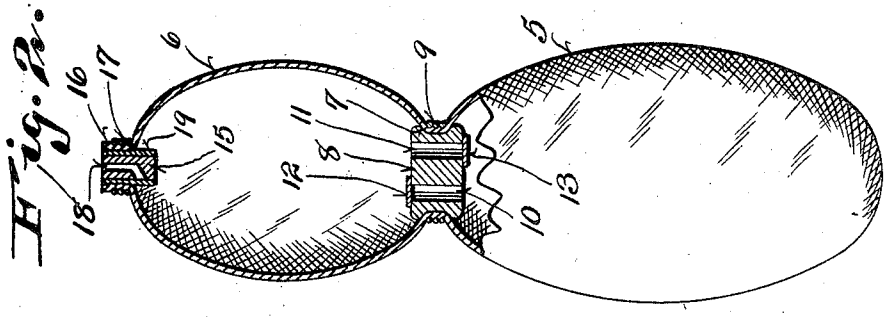
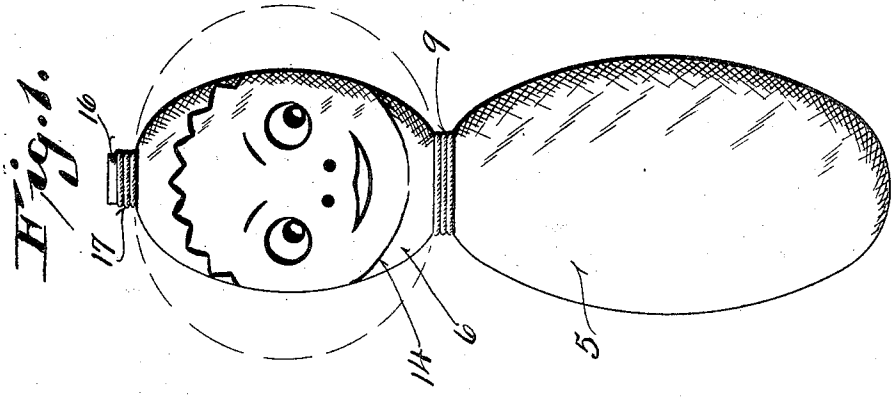



Fig. 1.




Witness.

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Patented July 10, 1923. 1,461,193

# UNITED STATES PATENT OFFICE.

HANS LARSEN, OF RACINE, WISCONSIN.

## PNEUMATIC TOY.

Application filed February 10, 1922. Serial No. 535,521.

*To all whom it may concern:*

Be it known that I, HANS LARSEN, a citizen of the United States, and resident of Racine, in the county of Racine and State of Wisconsin, have invented certain new and useful Improvements in Pneumatic Toys; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to pneumatic toys which are especially designed for the amusement of young children.

The general object of the invention is to construct a device of this kind which may be inexpensively made, but one which will be strong and durable.

It is also an object of the invention to provide improved means by which the toy may be easily filled with air under pressure whenever the same becomes deflated.

A still further object of the invention is to provide a toy of this nature with a simple and improved whistling element.

The toy in which my invention is embodied will be described in connection with the accompanying drawing, in which—

Figure 1 is a front elevation of the invention, and

Figure 2 is a similar view but having a part thereof broken away and shown in section.

The toy is formed with two expansible body portions 5 and 6, constructed from rubber, or the like, and connected by a constricted neck 7, within which is fitted a plug 8, the neck portion being held tightly against the peripheral portion of the plug by a string 9, which is wound about the same, or by any other suitable means. The plug 8 is preferably formed with two passages 10 and 11, extending therethru and forming means of forcing air or other gas contained within the body portions, from one of said portions to the other. These passage ways are controlled by oppositely disposed check valves 12 and 13, which are preferably in the shape of rubber flaps, and aid in producing a whistling sound when the air passes thru said passage ways. One or both of the body portions may be decorated with a suitable design 14, which will be distended, as shown in dotted lines in Figure 1, to present a grotesque appearance whenever the other body portion is squeezed.

For the purpose of inflating the toy, one of the body portions, as for example the portion 6, is provided with an opening thru which extends a plug 15, a neck 16 being formed around the opening and tightly secured to the plug by means of a string 17 or other suitable fastening device. The inner end of the plug preferably extends some distance within the interior of the body portion, and a duct 18 extends therethru and has its inner end deflected so that it opens thru the side wall of the plug.

A sleeve 19, preferably of rubber, is stretched around the plug 15 to cover the inner end of the duct 18, and preferably extends between the plug and the neck 16 so that it may be firmly secured in place.

It will be seen that when air or other gas is blown thru the duct 18 into the body portion 6, the sleeve 19 will yield to permit the gas to readily pass in, but will form an effective check to prevent deflation.

While I have shown and described specifically one form in which my invention may be embodied, it will be of course understood that various modifications may be made therein, without departing from the spirit of the invention.

I claim:

The combination with a pneumatic toy comprising a body portion having an opening surrounded by outwardly projecting flanges, of a plug secured within said opening, said plug having a smooth cylindrical surface and having a duct extending longitudinally inwardly from its outer end and terminating in a laterally extending aperture, an elastic sleeve surrounding the plug and yieldably covering the inner end of the duct, and a binding element surrounding said flanges and binding said flanges against said sleeve and said sleeve against said plug.

In testimony that I claim the foregoing I have hereunto set my hand at Racine, in the county of Racine and State of Wisconsin.

HANS LARSEN.