H. ALBERT.

VALVE FOR TOY BALLOONS AND THE LIKE.

APPLICATION FILED APR. 6, 1920.

1,370,178. Patented Mar. 1, 1921.

Fig. 1.

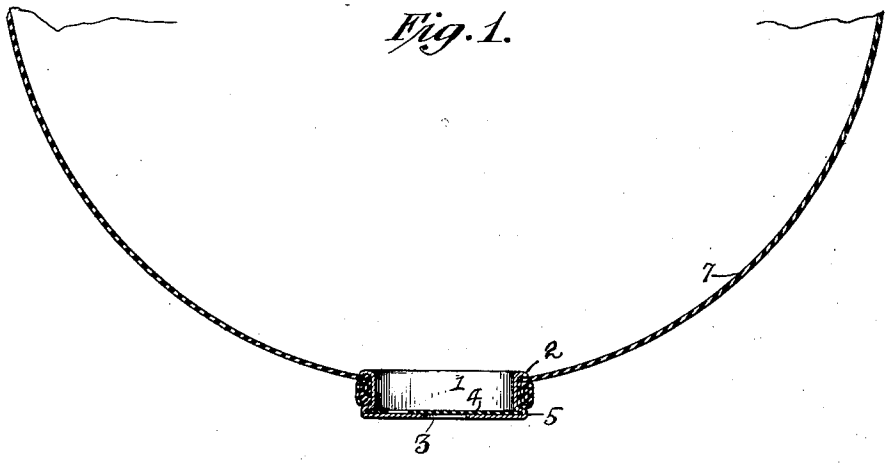
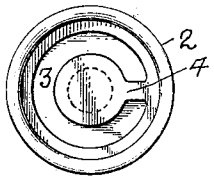


Fig. 2.



WITNESSES

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HENRY ALBERT, OF NEW YORK, N. Y., ASSIGNOR TO ART TOY & STAMPING WORKS, INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

VALVE FOR TOY BALLOONS AND THE LIKE.

1,370,178. Specification of Letters Patent. Patented Mar. 1, 1921.

Application filed April 6, 1920. Serial No. 371,704.

To all whom it may concern:

Be it known that I, HENRY ALBERT, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Valves for Toy Balloons and the like, of which the following is a specification.

My invention relates to improvements in air valves for use in toy balloons and the like and it is my object to produce a valve which will be very cheap to manufacture easy to insert in the balloon neck, easily operated in blowing up the balloon and capable of preventing leakage and deflation.

Heretofore toy balloons have been provided with a neck which was constricted and tied to hold the air or gas. Valves have also been made in which the valve disk has been held in place by an extra metal washer.

My improved valve comprises but two pieces, the valve body and the valve washer and the two are permanently secured together during the operations of manufacture.

In the drawing Figure 1 is a sectional view of my improved valve in a balloon neck and Fig. 2 a plan view of the valve.

The valve body is preferably made of thin metal in the form of a cup 1 provided with the rolled over edge or bead 2 and with an apertured bottom 3. The valve disk 4 is then laid in the bottom of the cup, over the aperture, and the metal formed into a bead 5 with the edge of the valve disk clenched into the bead to prevent its loss or its shifting position. The upper bead 2, beaded bottom 5 and side wall 6 form a groove into which the neck of the balloon 7 is sprung as shown in Fig. 1.

On blowing through the aperture the valve disk lifts and admits air or gas into the balloon and when the flow ceases the valve disk covers the aperture and prevents the escape of air or gas.

To empty the balloon a slight pressure with a match end, or the like, on the valve disk, through the aperture lifts it and the air or gas escapes.

By this construction no cement, tie strings or extra metal disks are necessary either to hold the valve in the balloon neck or the valve disk in the valve body.

I claim:—

A valve for toy balloons comprising a cup shaped body formed of a single piece of material provided with an apertured bottom and a circumferential bead at its open end, a flexible valve disk in the bottom closing the aperture and a circumferential bead at the bottom of the cup shaped body clenching the circumferential edge of the valve disk, the two beads and side wall forming a circumferential groove to engage a balloon neck.

In testimony whereof I have affixed my signature.

HENRY ALBERT.