Oct. 15, 1946. M. A. BROSSEIT 2,409,471

AIRPLANE TOY

Filed June 18, 1945

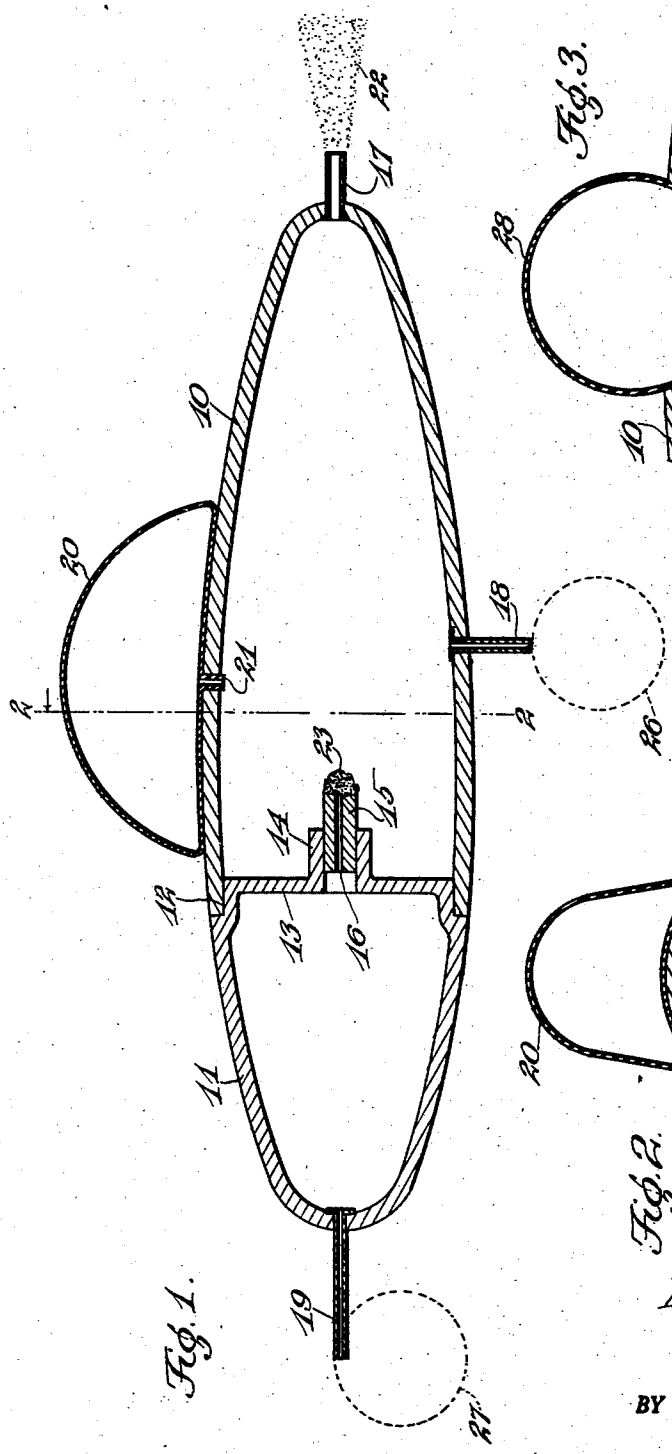


Fig. 1.

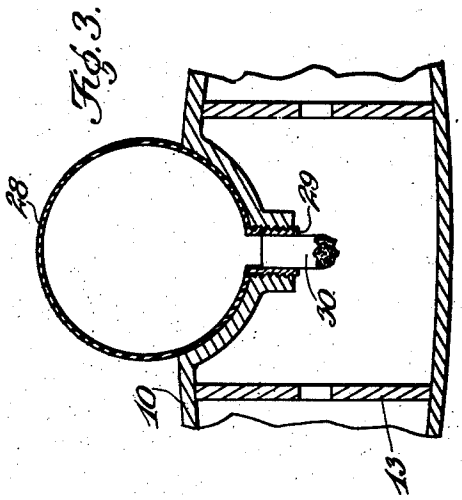


Fig. 3.

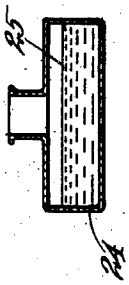


Fig. 4.

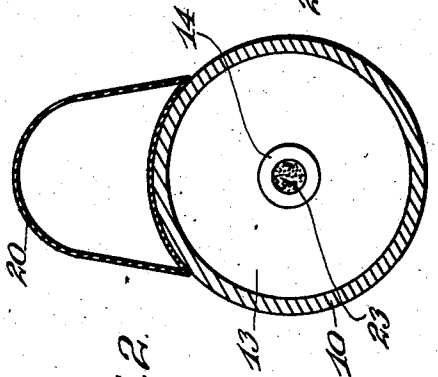


Fig. 2.

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AIRPLANE TOY

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4 Claims. (Cl. 46—9)

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My invention relates to airplane toys, and deals more particularly with the innovations of bombing and jet propulsion, and one object is to provide a toy airplane in which such effects are uniquely and amusingly simulated.

A further object is to design an airplane toy with means for projecting a smoke jet suggestive of gases emitted from a jet propelled airplane.

Another object is to design the toy with means for producing and dropping bubbles simulative of spherical bombs.

A still further object is to provide a toy of the above character which may be kept in action for considerable periods of time, whereby to furnish a fascinating pastime and a medium for contests or games.

An important object is to construct the novel toy along lines of simplicity and with a high factor of safety.

With the above objects in view and any others which may suggest themselves from the description to follow, a better understanding of the invention may be had by reference to the accompanying drawing, in which—

Fig. 1 is a longitudinal section of the toy;

Fig. 2 is a cross-section on the line 2—2 of Fig. 1;

Fig. 3 is a fragmental view similar to Fig. 1 and showing a modification; and

Fig. 4 is a section of a bubble-supply container.

In accordance with the foregoing, specific reference to the drawing indicates the body of the toy at 10, the same being similar in form to an airplane body. In the preferred form of the invention the front of the body 10 is open to receive a nose compartment 11 as a closure, a snugly-fitting lap or other joint 12 being employed to hold the parts together.

The back of the nose compartment 11 is in the form of a partition 13 formed with a rearwardly-extended tube 14 in the center. This tube is adapted to receive a stick 15 of incense commonly known as punk and usually having a porous consistency. However, where the material is more or less solid, it is preferable to bore the same longitudinally as indicated at 16 for the purpose of the present invention.

The body 10 is fitted with a projecting tube 17 at the rear and a similar but narrower downwardly-projecting tube 18 at the bottom; and the nose compartment 11 also has a narrow forwardly-projecting tube 19. A dome-shaped rubber bulb 20 is glued or otherwise secured on the body, the bulb having a nipple 21 entering the body from the top.

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When the toy is to be used, it is taken apart at the joint between the nose compartment and the body to expose the incense stick 15. The latter is lighted and the toy re-assembled. The glowing incense stick will now fill the body 10 with smoke; and pressure applied to the bulb 20 will be mainly effective to project a dense jet of smoke 22 from the rear tube 17 suggestive of gas ejected from a jet-propelled airplane.

The pressure and release of the bulb 20 are also effective to pass smoke into the nose compartment 11 by way of the incense stick 15, whether the same is porous or perforated as shown. This action not only fills the nose compartment but also revives or extends the glowing portion 23 of the incense stick, in case the same tends to cool or become extinguished. The draught through the glowing portion will also dislodge clinging ash particles, so that these may fall into the bottom of the body 10 and leave the incense stick burning freely.

A shallow bottle 24 is preferably provided as an accessory, and filled with a saponaceous solution 25. When the tube 18 is dipped into the bottle a small amount of the solution will adhere inside the tube; and when the toy is held aloft and the bulb pressed a bubble 26 will form below the tube and drop after assuming a desired size, simulating the dropping of a spherical bomb. Or, in case the frontal tube 19 is dipped in the solution, a bubble 27 will form as shown.

In the modification of Fig. 3 the bulb 28 is removably fitted by being made with a metallic screw type of nipple 29. The latter is of sufficient capacity to receive the incense stick 30 direct, so that the airplane may be made in one piece.

It will now be apparent that the novel toy serves primarily as a smoke generator for the supply and charging of its jet and bomb features. Secondly, the body of the toy serves as a receiver for the incense stick and an enclosure therefor, so that it may not come in contact at any time with the fingers or clothing, or subject surrounding objects to fire danger. The material for the toy is preferably papier-mâché having an asbestos content or internal lining, whereby to be flame-proof and non-heating in case glowing fragments of the incense stick should fall into the bottom of the body. The handling of the incense stick is not considered a material fire hazard, as children of the age to use the toy are accustomed to using punk for the lighting of sparklers or keeping mosquitos or flies away. In conclusion, the novel toy is a fascinating device for pastime and entertainment as well as an ar-

ticle which is economical to produce, simple in construction and easy to handle and operate.

While I have described the preferred and modified forms along specific lines, various further minor changes or refinements may be made therein without departing from its principle, and I desire such changes and refinements as coming within the scope and spirit of the appended claims.

I claim:

1. A simulated toy airplane comprising an elongated hollow body separable at an intermediate point, a cross-partition carried by one body portion at the junction site and formed with a receptacle, a porous incense stick fitted into the latter and projecting into the other body portion to fill the same with smoke when burning, pressure means applied to said other body portion and effective to force smoke through said stick into the first-mentioned body portion, and a discharge element at the outer end of such first-mentioned body portion for the smoke received therein.

2. A simulated toy airplane comprising an elongated hollow body separable at an intermediate point, a cross-partition carried by one body portion at the junction site and formed with a receptacle, a porous incense stick fitted into the latter and projecting into the other body portion to fill the same with smoke when burning, a bottom discharge element for said other body portion, and pressure means applied to the latter and effective to force smoke through said discharge element.

3. A toy comprising an elongated hollow member including a rear body portion and a removable nose portion joined thereto, said rear body portion having a front opening, said nose portion having a rear partition closing said opening, said partition having a tube supporting an apertured smoke-producing means, said body portion having a plurality of openings, a rubber bulb secured to said body portion over one of the openings in communication with the interior of the bulb, said nose portion having a front opening therein.

4. A toy comprising an elongated hollow member including a rear body portion and a removable nose portion, said rear body portion having a front opening, said nose portion having a rear partition provided with a rearwardly extending tube centrally thereof communicating with the interior of said nose portion, said nose portion having its partition projecting within the front opening of the body portion to close same and said nose portion further having an external circumferential groove forming a lap joint with said body portion, the latter having a plurality of openings, a rubber bulb glued to the top of said body portion over one of said openings in communication with the interior of the bulb, an apertured smoke-producing member carried by said tube, said nose portion having a front opening therein.

MARY A. BROSSEIT.