

S. WEISS.
TOY OR FILM BURSTER.
APPLICATION FILED MAR. 13, 1911.

1,051,294.

Patented Jan. 21, 1913.

Fig. 1

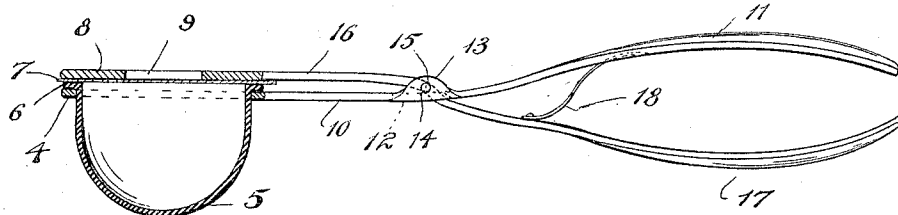


Fig. 2

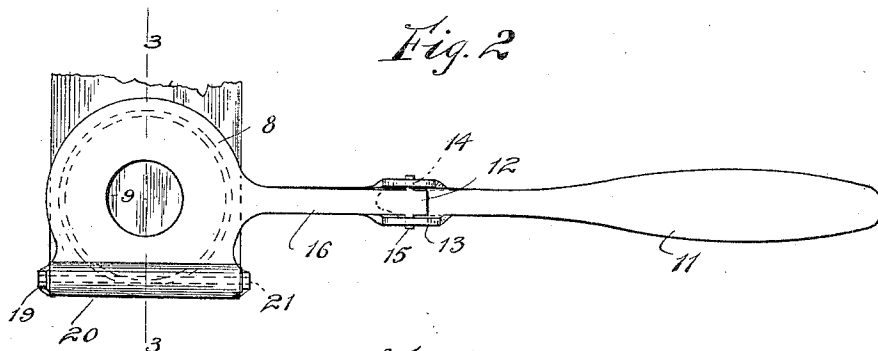
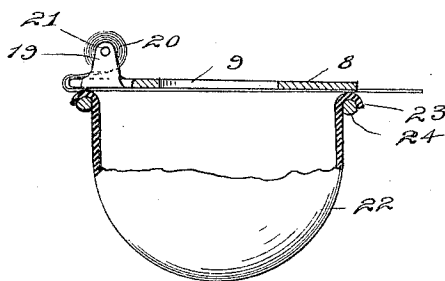


Fig. 3



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UNITED STATES PATENT OFFICE.

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TOY OR FILM-BURSTER.

1,051,294.

Specification of Letters Patent.

Patented Jan. 21, 1913.

Application filed March 13, 1911. Serial No. 614,218.

To all whom it may concern:

Be it known that I, SAMUEL WEISS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Toys or Film-Bursters, of which the following is a specification.

This invention relates to toys or devices which are adapted to make a loud noise or report by the bursting of the strip of paper or other similar material.

Among the objects of my invention are to simplify and improve the construction of toys of this character, in which the strip of paper is burst by compressing the air in a hollow body made of rubber or other flexible material and the air permitted to act upon the paper which is held over the body; to arrange the device so that the paper may be quickly changed, thereby permitting rapid operation; to provide for a paper supply arranged so that the paper may be quickly inserted and readily pulled through the device; and, in general, to provide such other advantages and improvements as will appear from the following description.

I have illustrated my invention in the accompanying drawings, in which—

Figure 1 is a side view, partially in section, showing my improved toy; Fig. 2 is a top plan view of the same provided with a paper supply or feed; and Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2.

As illustrated in these drawings, 4 indicates an annular ring within which closely fits a hollow body 5 having an outwardly extending flange 6 around its upper open end, which flange is adapted to rest upon the upper surface of the ring 4. A strip of paper 7 is clamped between the upper surface of the flange 6 and a second annular ring 8, this latter ring having a hole 9 there-through, which hole is preferably smaller in diameter than the hollow body, in order to effect a better bursting or rupturing action. The ring 4 is provided with a projecting strip or handle member 10, which is preferably formed integrally therewith and which as its outer end bent and curved to form a convenient hand-hold 11. This strip is provided with a hole 12 therethrough, and at the sides of this hole are upwardly extending lugs or ears 13 having holes 14 there-through to receive the trunnions or pivot members 15 on the sides of the strip or handle member 16, which member is prefer-

ably made integrally with the upper ring 8. The strip or handle member 16 is bent, as indicated, so that it passes down through the hole 12 in the strip 10, and has its outer end curved and bent to form a hand-hold 17 corresponding with the hand-hold 11. By making the upper and lower rings and the handle members in this manner, the entire device may be constructed of three pieces; and it is apparent that by arranging the hinge in the position shown, the rings 4 and 8 will be pressed toward each other when the handle portions 11 and 17 are gripped tightly in the hand. The device may be used in this manner without any further attachments, but if desired, a spring 18 may be arranged in connection with the handle members, which spring tends to hold the handle members apart and the rings separated when in normal position, thereby enabling the paper to be readily slipped into position.

The use of the device as thus described will be readily understood from the drawings and the above description. The operator slips a piece of paper 7 between the flange 6 of the rubber or resilient hollow body 5 and the ring 8, and then presses the handles 11 and 17 together, thereby holding the paper tightly in position. Then, by striking the hollow body 5 suddenly against some relatively unyielding object, the air in the body is compressed, and as it seeks to escape through the opening 9, causes a loud report when the paper breaks. As the grip is lessened, the spring 18 tends to separate the rings so that the burst or ruptured piece of paper may be removed and another piece quickly inserted.

It will be noted that the parts going to make up the upper and lower rings and handle members may be readily stamped from sheet metal, and may therefore be rapidly and cheaply manufactured. It will also be noted that the rings or clamping members may be pressed closely together without the necessity of any latches or auxiliary devices.

In the construction shown in Figs. 2 and 3, the upper clamp ring 8 is provided with upwardly extending ears or lugs 19 for supporting a paper supply, as for instance a roll of paper 20, wound on a shaft 21, which may be supported in the lugs 19. The end of the paper is drawn through between the ring 8 and the upper flange of the hollow body, so that the operation may be rapidly

repeated by simply pulling the paper through a short distance at each time it is operated. In this form of construction, the hollow body 22 is shown with a substantially semi-circular flange 23, which is adapted to fit over a correspondingly shaped ring 24, this arrangement being adapted to hold the ring and hollow body securely together and also provides a narrow surface against which the paper is pressed, thereby tending to form a still tighter closure between the paper and the hollow body.

By using a hollow body or collapsible member with an outwardly extending flange of the form shown in either Fig. 1 or Fig. 3 and with a corresponding holding ring, the hollow body may be quickly secured in place in the ring by inexperienced help, as all that is necessary is to press the hemispherical portion of the hollow body through the ring, and the friction between the sides of the body and flange and the ring will hold the body in position.

Having thus described my invention, which, however, I do not wish to limit to the precise details of construction or arrangement of parts herein shown and described, except as set forth in the appended claims, what I claim and desire to secure by Letters Patent is:

1. In a toy or film burster, the combination of a pair of rings, handles engaging with said rings for pressing them toward each other, and a hollow collapsible body engaging with one of said rings, said body having an outwardly and downwardly extending flange engaging with the upper and outer sides of the ring with which it engages.

2. A hollow collapsible member for a toy or film bursting device, having an outwardly extending semi-circular flange, substantially as shown and described.

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Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."