May 19, 1925. 1,538,640

M. B. KRUSI

ADHERENT MISSILE

Filed June 3, 1922

Fig. 1.

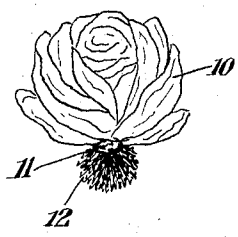


Fig. 2.

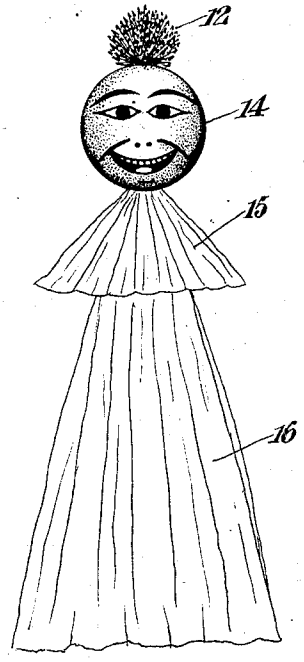
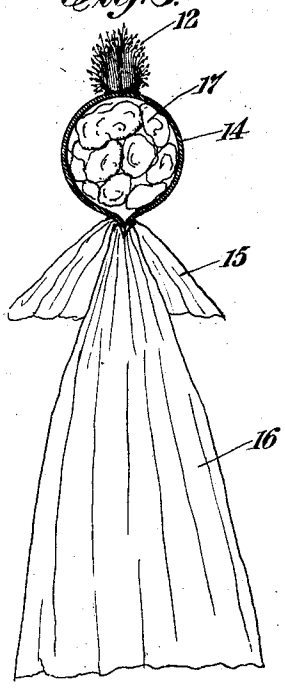


Fig. 3.



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UNITED STATES PATENT OFFICE.

MAX B. KRUSI, OF NEW YORK, N. Y.

ADHERENT MISSILE.

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To all whom it may concern:

Be it known that I, MAX B. KRUSI, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Adherent Missiles, of which the following is a specification.

This invention relates to novelties adapted to be hurled as hand missiles of the nature of a dart, javelin or shuttlecock, confetti or the like, provocative of amusement, fun and surprise, and carry messages or light burdens as a confection.

The principal object of the invention is to provide means whereby such missiles are caused to engage and cling to the clothing of the recipient with surprising tenacity but without injury to the finest textile fabric.

Another purpose is to produce a missile that may be used as a flying vehicle for the transmission of small, light articles, as favors, flowers, confections, etc., and which will resiliently adhere to fabric surfaces until forcibly removed.

A further aim is in the provision of devices of this character for advertising and like purposes as distributed promiscuously at fairs, carnivals, field games, theatres and like gatherings, and which are essentially simple, cheap to construct, highly attractive in appearance and entirely safe to handle and use by young or old of either sex.

These objects are attained by the novel construction and combination of parts hereafter described in their preferred embodiments and shown in the accompanying drawing, forming a part of the disclosure, and in which:—

Figure 1 is a perspective view showing the simplest embodiment of the invention, being merely a blossom and bur artificially connected.

Figure 2 is a similar view of a modification in structure, showing an object representing a doll, as engaged with a bur.

Figure 3 is a longitudinal sectional view of the same.

This invention is based upon the fact that nature produces a wonderful structure peculiarly well adapted to engage with any surface presenting striations, interstices or roughnesses of relative fine nature, particularly a woven fabric.

The family of plants known generically as thistles and specifically as burdocks, produces burs containing seeds and covered with a thorny calyx presenting a multitude of separate barbs or prongs lanceolate in shape, terminating in acute, needle-like points, bent re-entrantly outward into horny hooks adapted to penetrate and cling resiliently but most tenaciously to whatever they may seize upon.

A variety of such burs, known as teasels have long been made use of in finishing the surface of woven woolen cloth, producing a nap which no artificial substitute has ever equalled.

Smaller burs have from time immemorial been used by children to play, due to their peculiar inherent property of adhesion to the cloth fabric from which their clothing is made.

The hooked barbs of these burs are so shaped that they can be handled with impunity without scratching the cuticle of the hands in throwing or removing the same and even should a scratch occur, no harm results as the burs are non-poisonous in their nature.

The invention then consists in connecting such natural vegetable burs with the missiles, shaping the missile in accordance with its purpose and for convenience in handling and throwing.

While the missile obviously may be made in any appropriate form whatever, two are shown to illustrate the purposes set forth.

Referring now to Fig. 1 of the drawing, a blossom, as a rose or pink, either natural or artificial, is designated by the numeral 10, its center being inclosed within its petals and its stem or peduncle 11 severed closely at its end from the plant.

Connected to the end of the peduncle, by suitable cement, thread stitches or other convenient and efficient means, is the base portion of a thistle bur 12, the same being in a mature condition, either green or dry according to the season.

Obviously upon throwing the missile thus

made it will hurtle through the air, bur foremost, because the preponderance of weight is in the peduncle, while the petals act to guide the device in the manner of a feathered dart or shaft, and upon striking a textile fabric, even very lightly, the missile adheres by its barbs.

In the modification shown in Fig. 2, the bur 12 is shown as connected to a figure representing a doll, comprised of a relatively heavy head 14 having a flowing ruffled collar 15, below which is a loose skirt 16.

The head may contain confections 17 or the like and may be made of paper, cotton, etc., the remainder of the figure being paper, colored and ornamental as preferred or provided with any printed matter, as an advertisement.

In this case the head acts under the momentum imparted by the hand in throwing and the skirt to direct the missile, ensuring that the bur will strike the object aimed at, head on.

Other modifications in shape and semblance will readily suggest themselves.

While a natural thistle bur has been shown and described, it will be apparent that an artificial bur may be used as within the scope and spirit of the invention.

From the foregoing it will be seen that a simple device has been disclosed in the preferred forms of its embodiment, but it is not desired to restrict the details to the exact construction shown, it being obvious that changes, not involving the exercise of invention, may be made without conflicting with the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. As a new article of manufacture, a hand thrown missile including a relatively heavy solid confection, a unitary flexible fabric member connected to said confection adapted to trail thereafter, and a bur connected to the confection in advance thereof.

2. As a new article of manufacture, a hand thrown missile comprising a hollow head adapted to act as a containing vehicle, a heavy substance therein, a unitary skirt element trailingly attached to said head, and a bur arranged in advance of said head.

3. As a new article of manufacture, a hand thrown missile comprising a hollow head adapted to act as a vehicle, a weighty matter contained therein, a fabricated one piece skirt element trailingly attached to said head, and a bur arranged in advance of said head, said bur presenting a plurality of hooked barb elements adapted to engage a textile fabric and support the missile.

4. A missile comprising a flocculent, yieldable body composed of a plurality of overlapping elements connected at a common center, and a natural bur engaged to said body at the center thereof to extend oppositely outward from said elements.

In testimony whereof I have signed my name to this application.

MAX B. KRUSI.