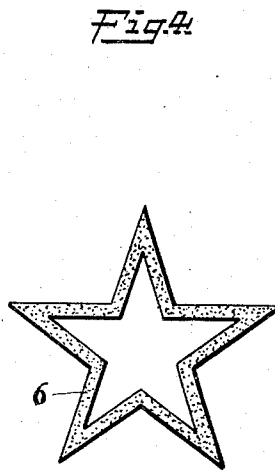
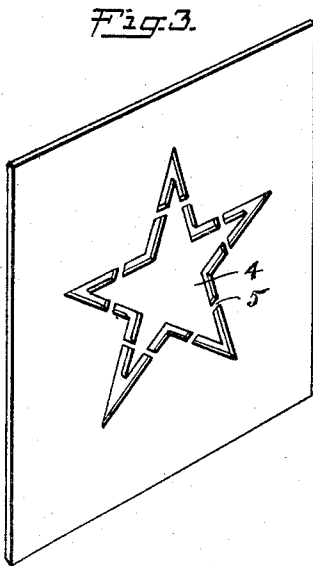
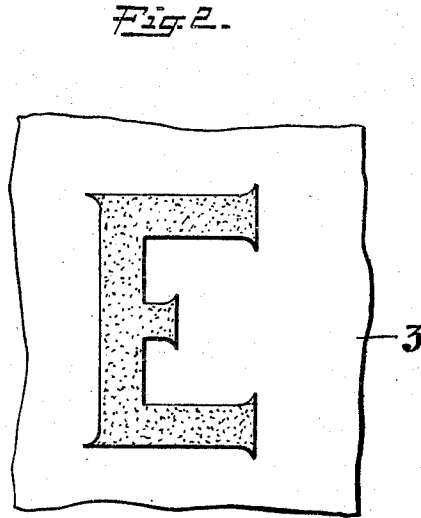
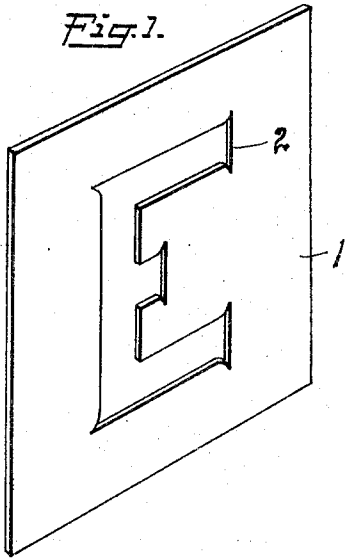


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TOY.

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TOY.

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To all whom it may concern:

Be it known that I, MILTON D. ADLER, a citizen of the United States, and a resident of the city, county, and State of New York, have invented new and useful Improvements in Toys, of which the following is a specification.

This invention relates to toys of the character which may be termed generically "picture-making" toys, and has for its object to provide an amusement device for children which will be instructive as well as entertaining for small children as well as older ones.

A further object of the invention is to provide a toy of this character of simple construction, which may be cheaply made in large quantities by machinery, whereby a large variety of subjects may be provided in a single set at low cost.

A further object of the invention is to provide a picture-making toy whereby complete designs may be produced without greater skill and attention than is possessed by young children of kindergarten age or less, but also permits the exercise of greater elaboration, as may be desired by older children.

A further object of the invention is to provide a toy of this character in which the material may be used over and over again, or, if desired, the designs may be rendered permanent and preserved.

In the accompanying drawings I have illustrated typical parts of my picture-making toy for making a simple design, but it will of course be understood that the shape of the design and the number of different designs furnished with each toy may be widely varied.

In said drawings,

Figures 1 and 2 show one type of my improved toy; while Figs. 3 and 4 show a somewhat modified form.

Referring to the drawings, particularly to Fig. 1, 1 indicates a card of suitable material, such as paper board, wood, pressed fiber, etc., the board being of appreciable thickness and having cut in it the outlines of a figure, here shown at 2 as the letter "E", to be formed by the child.

With each set of cards 1, which will preferably comprise a number of related subjects such as the alphabet and numerals, will be furnished a quantity of fine sand, and also in order to provide for permanent

designs being made, a number of sheets of paper or light cardboard having one side lightly gummed to be rendered adhesive upon moistening. A sheet of such paper is indicated at 3. When such sheets are furnished the under side of the cards 1 will be glazed or otherwise treated, so as not to adhere to the face of the backing sheets.

In using the toy the child lays the card, which will have a wide margin all around the cut-out part, upon a suitable surface, and will then pour some of the sand over the card, filling the cut-out figure. The surplus sand is then scraped off with the hand, or better, with a straight-edge, leaving the outline filled with sand. When the card is taken up, the figure will appear slightly raised and standing out against the background, which should be of a contrasting color,—dark if natural colored sand is used, or vice versa if the sand is dyed. By having the margin of the card around the figure of sufficient width, the surplus sand scraped off the card may be brushed back into the container without disturbing the figure. I have found cardboard of about $\frac{1}{16}$ " in thickness to be very suitable. This thickness provides sufficient depth for the lines of sand forming the figure to be complete throughout the outline. At the same time, it is not deep enough to pile up the sand so that there is any flowing of the sand after the card is raised.

The entire body of the figure to be formed may be cut away, as in Fig. 1, thereby forming a solid design or silhouette effect, or the cards may be cut after the manner of a stencil, or, particularly with more elaborate designs, the outline only of the figure may be cut, as shown in Fig. 2. The center portion 4 of the star shown in Fig. 2 may be connected to the outline part of the card on suitable uncut bridges 5, which should be narrow enough for their space to be filled by the flow of the sand when the card is raised, thereby providing a continuous outline, such as shown at 6.

With toys for older children, the designs may embody flowers, birds, animals, etc., and there may preferably be provided variously colored sand, so that the natural colors of the different parts of the object may be supplied by properly filling in the cards. With such sets, color plates showing the natural colors of the various subjects of the design may be furnished, and a child may

derive with its entertainment, instruction not only in the subject-matter of the design, but also in the use of its hands in properly supplying the various sands to the various parts of the design.

Older children in using the apparatus may, instead of smoothing off the sand flush with the surface of the card, shape the surface of the sand to obtain a bas-relief effect and if desired, material other than dry sand, having some cohesion, may be employed so that a more elaborate surface modeling may be had.

Various other modifications and amplifications of my improved picture-making toy will suggest themselves, and it is to be understood that my invention is not limited to the parts shown and described, except in so far as defined in the appended claims.

I claim:

1. A toy comprising a card of suitable sheet material having a design cut therein, a backing sheet having an adhesive surface, a quantity of comminuted material sufficient to fill the design to the depth and thickness of the card whereby a replica of the design may be formed on said backing with the comminuted material by filling the design with the material and removing the surplus with the card.

2. A toy comprising a card of suitable sheet material having the outline of a design cut therein, the part of the cardboard within the design being connected to the outline portion of the card by narrow uncut bridges,

a quantity of comminuted material sufficient to fill the design to the depth and thickness of the card whereby a replica of the design may be formed with the comminuted material by filling the design with the material and removing the surplus with the card, said connecting bridges being sufficiently narrow in proportion to the depth and thickness of the card for their spaces to be filled by the flow of the comminuted material when the card is raised.

3. A toy comprising a card of suitable sheet material having a design cut therein, a quantity of comminuted material of different colors sufficient to fill the design to the depth and thickness of the card whereby a replica of the design may be formed with the comminuted material by filling the design with the material and removing the surplus with the card.

4. A toy comprising a set of cards of suitable sheet material of appreciable thickness, said cards having different designs formed therein by openings extending through the thickness of the card and a quantity of comminuted material of different colors whereby replicas of the design may be formed with the comminuted material by filling the designs with the material and removing the surplus with the cards.

Signed at New York city, in the county of New York and State of New York this 29th day of November, 1916.

MILTON D. ADLER.

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