

A. J. BARBER.
EDUCATIONAL APPLIANCE.
APPLICATION FILED SEPT. 16, 1907.

Fig. 1.

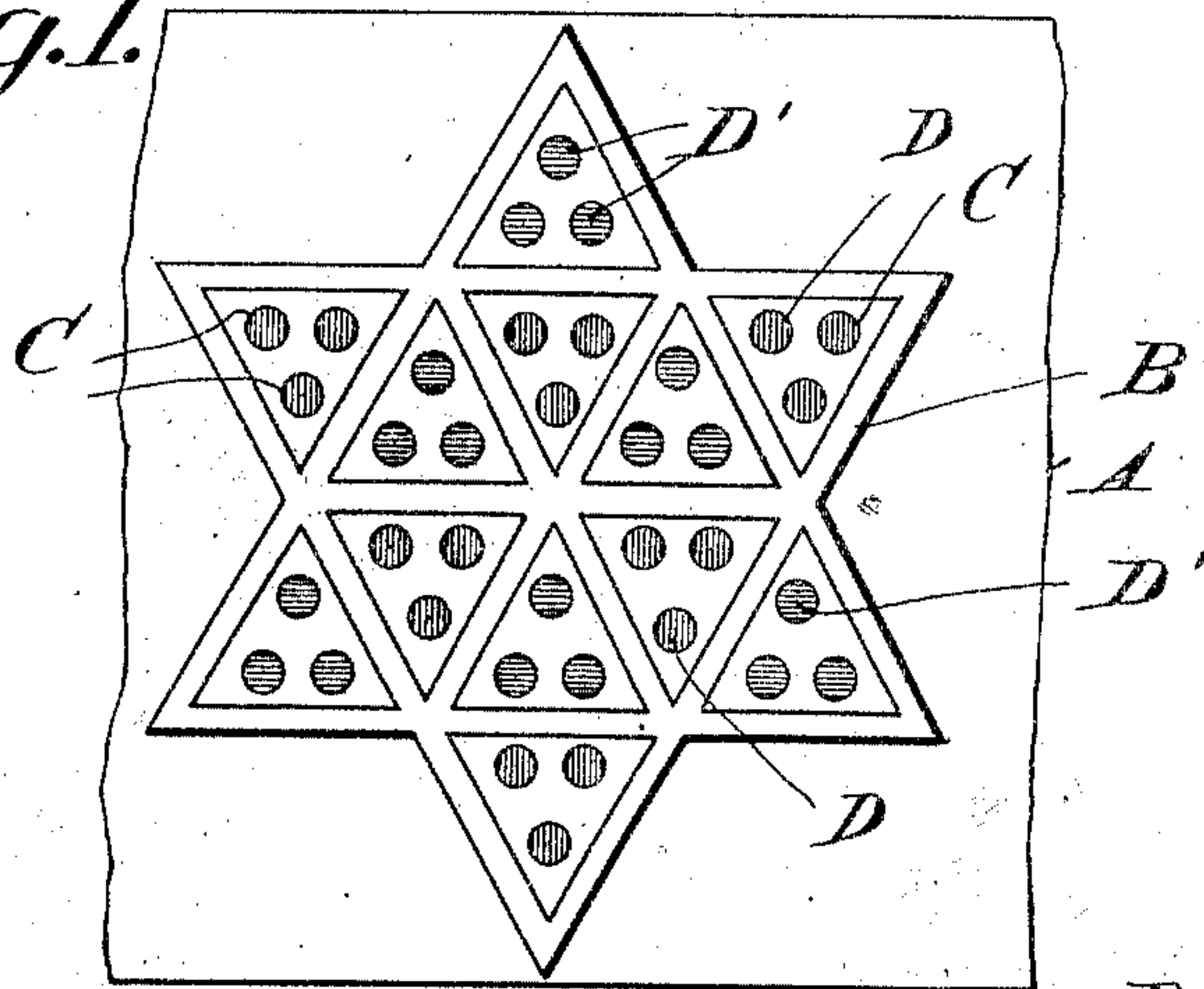


Fig. 2.

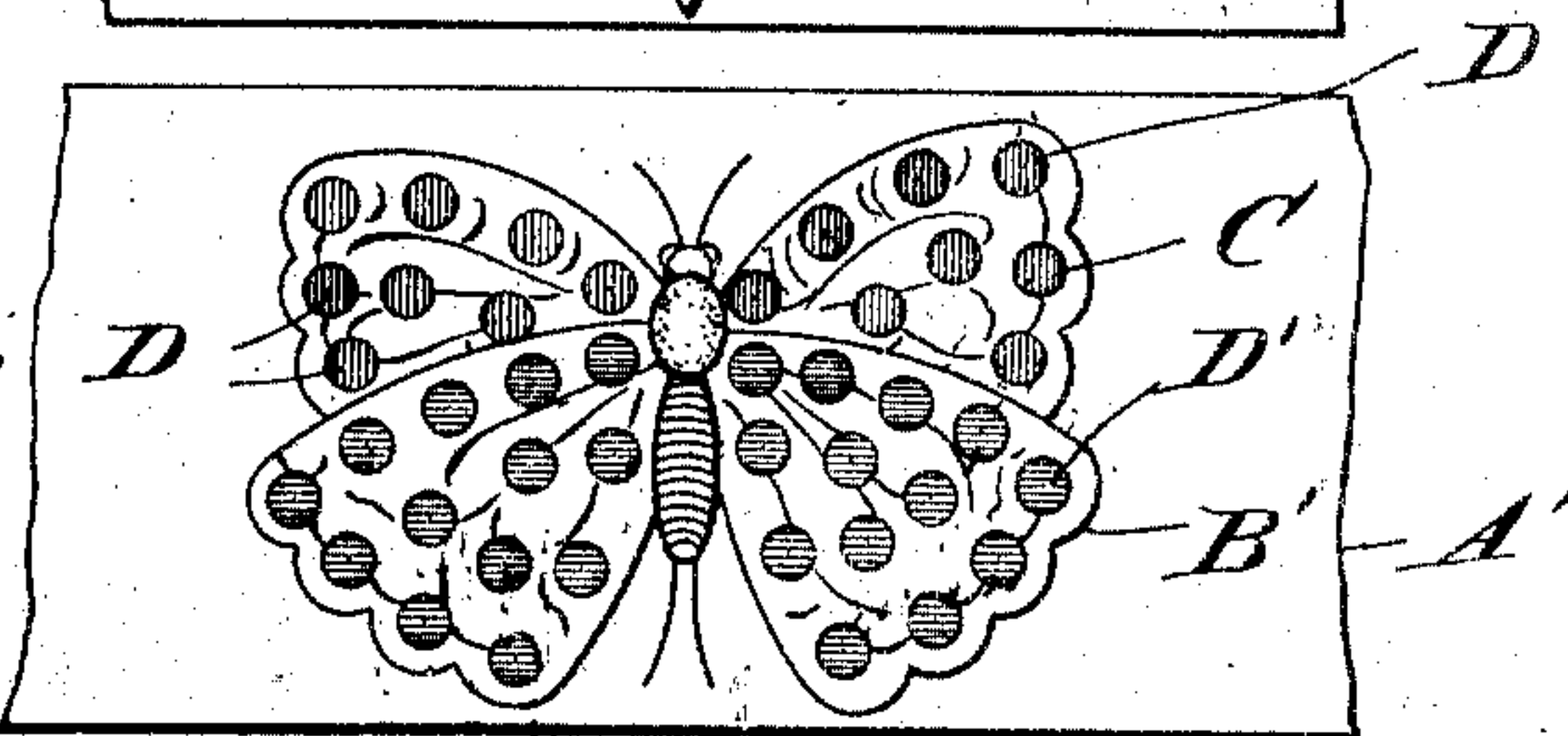


Fig. 7.

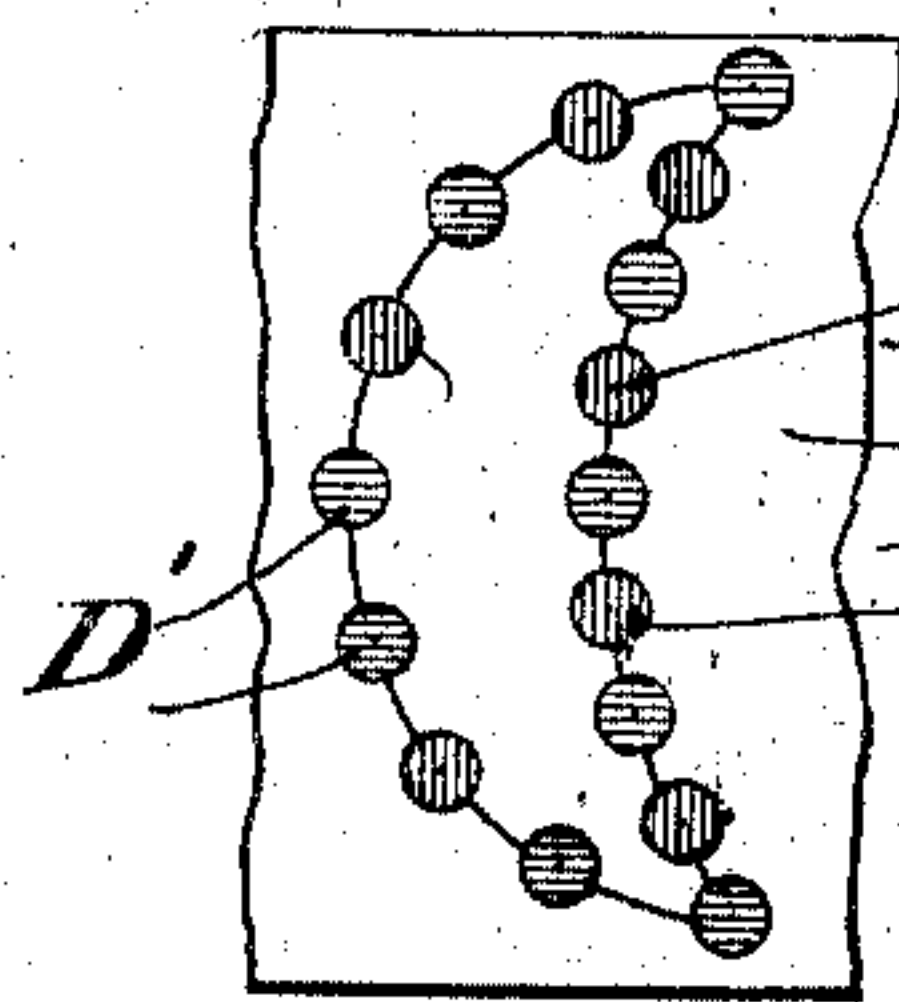


Fig. 3.



Fig. 4.^a

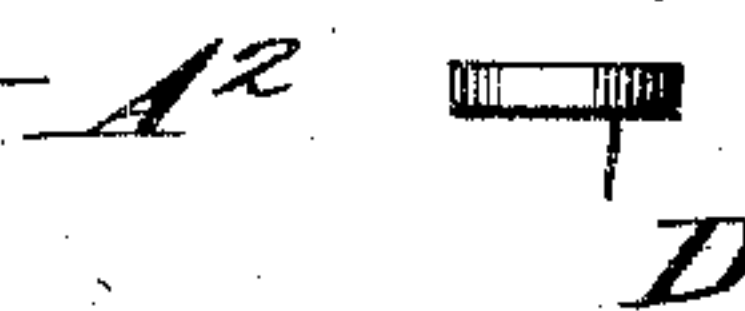


Fig. 5.

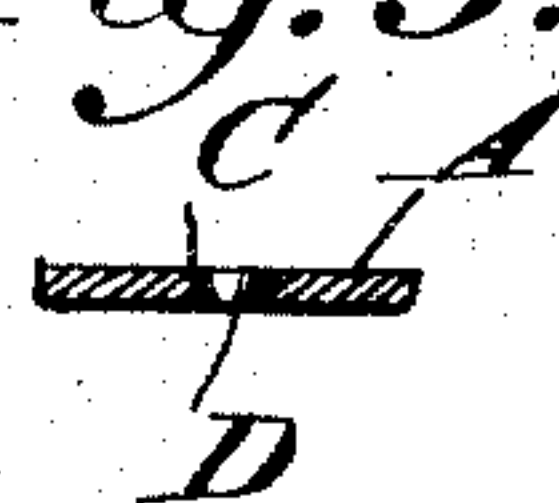
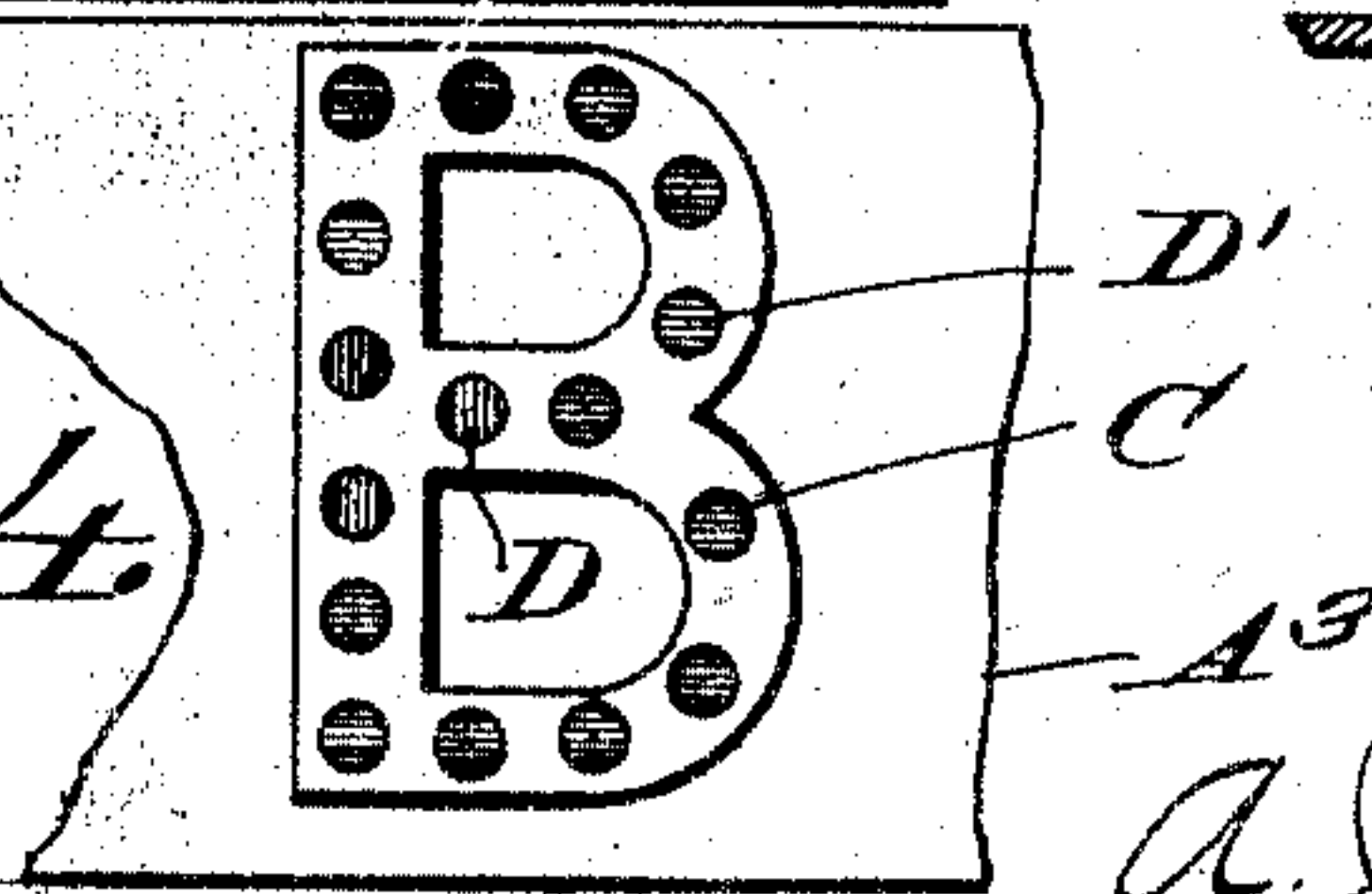


Fig. 6.



Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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EDUCATIONAL APPLIANCE.

No. 874,152.

Specification of Letters Patent.

Patented Dec. 17, 1907.

Application filed September 16, 1907. Serial No. 393,079.

To all whom it may concern:

Be it known that I, ALLAN J. BARBER, a citizen of the United States, residing at Woonsocket, in the county of Providence and State of Rhode Island, have invented new and useful Improvements in Educational Appliances, of which the following is a specification.

My invention pertains to educational appliances; and it contemplates the provision of an appliance which while simple and inexpensive, is calculated to afford amusement to children at home and in the kindergarten and school and at the same time exercise and stimulate the design-creating and color-using faculties of children.

The invention will be fully understood from the following description and claims when the same are read in connection with the drawings, accompanying and forming part of this specification, in which:

Figure 1 is a plan view of a card bearing a star design and constituting one embodiment of my invention. Fig. 2 is a similar view of a card bearing the picture of a butterfly. Fig. 3 is a similar view of a card bearing the picture of a tree branch and butterfly thereon. Fig. 4 is a plan view of a card bearing a letter. Fig. 4^a is an enlarged edge elevation of one of the colored disks, removed. Fig. 5 is a detail section of one card showing the preferred form of socket therein. Fig. 6 is a similar view illustrating another form of socket. Fig. 7 is a view of a modification hereinafter referred to.

Referring by letter to the said drawings and more particularly to Figs. 1, 4^a and 5 thereof:

A is a card of pasteboard or other suitable material, bearing a star device or design B, printed or otherwise placed thereon. In the said card are formed groups of sockets C which are preferably carried throughout the thickness of the card, Fig. 5, and are preferably tapered downward as also shown in said Fig. 5 for a purpose hereinafter set forth. The said groups preferably comprise three sockets C each, arranged as shown in Fig. 1.

D D are disks, preferably of cardboard corresponding in outline to the sockets C and bearing a certain color, red for instance, as conventionally represented in the drawing; and D' D' are similar disks bearing another and contrasting color, blue for instance as conventionally shown in the drawing.

In carrying out the scheme of my invention, a child is supplied with the card A and with a plurality of disks D and D' greater in number than the sockets C in the card, and is instructed to so place the red disks D and the blue disks D' in the sockets C of the card as to obtain the best design and contrasting color effect. As shown in Fig. 1, the alternate groups of disks are red and blue, and consequently the design is prettily colored and very attractive. By preference the upper sides only of the disks are colored, and the child after selecting the disk it wants, slides said disk, with the colored side up, to the socket desired, and then presses the disk down into said socket. As before stated the sockets C are preferably tapered downward. The disks D, however, are preferably of even diameter throughout their thickness, and consequently it will be apparent that when said disks are pressed down in the sockets, the disks will be firmly held in the card A without liability of casual displacement, and yet when it is desired to remove any or all of the disks, the same may be accomplished by pressing upward on the disks from the bottom of the card with a pencil point or the like.

It will be gathered from the foregoing that given the card A and the differently colored disks D D', a child in producing the color effect illustrated or any other color effect that it is possible to produce will be greatly entertained, and at the same time the artistic ability of the child will be stimulated and improved.

While I have illustrated and described disks D of one color and disks D' of another color in connection with the card A, it is obvious three or more sets of differently colored disks may be used in connection with the card, without involving departure from the scope of my invention as claimed. I would also have it understood that when desired sockets C' of even diameter throughout, one of which is shown in Fig. 6, may be used in lieu of the tapered sockets C, without affecting my invention.

In the embodiment shown in Fig. 2, sockets C are provided in the wings of the butterfly B' pictured on the card A', and red colored disks D are arranged in some of the sockets, and blue colored disks D' in the other sockets.

In Fig. 3, sockets C are provided in the

wing of the butterfly B² pictured on card A² and red colored disks D are arranged in all of the said sockets.

The letter "B" is provided on the card A³ shown in Fig. 4, and in the letter are formed sockets C to receive red colored disks D and blue colored disks D' in the manner and for the purpose before set forth. At this point I desire to state that cards may be provided bearing pictures of objects and words corresponding to the pictured objects, and in the letters of the words, sockets C may be provided to receive differently colored disks D and D'.

In the modification shown in Fig. 7, a card A⁴ is provided having sockets C disposed to form an outline design, and the said design is brought out and embellished by a child placing in the said sockets C, disks D D' bearing the same or different colors.

When designs such as shown in Figs. 1 and 2 are employed, cards may, if deemed expedient, have the shape in outline of the design without effecting my invention; and I would also have it understood that in the use of all of the embodiments of my invention any number of different colors of disks may be employed.

I would have it understood that the name "disk" as herein employed is intended to comprehend pieces of other shapes than circular.

Having described my invention, what I claim and desire to secure by Letters-Patent, is:

1. An educational appliance comprising a card having a plurality of sockets, and a plurality of disks, of contrasting color to the card, removably arranged in the said sockets.

2. An educational appliance comprising a card bearing on its face a pictured device and

also having, in the pictured device, a plurality of sockets, and a plurality of disks, of contrasting color to the card, removably arranged in the said sockets.

3. An educational appliance comprising a card having a plurality of sockets disposed to form the outline of a device, and a plurality of disks of contrasting color to the card, removably arranged in the said sockets.

4. An educational appliance comprising a card having a plurality of sockets extending throughout the thickness thereof, and a plurality of disks, of contrasting color to the card, corresponding in thickness to the card and snugly and removably arranged in the sockets thereof.

5. An educational appliance comprising a card having a plurality of sockets extending throughout the thickness thereof, and tapered downward, and a plurality of disks, of even diameter throughout its thickness, contrasting in color to the card and snugly and removably arranged in the sockets thereof.

6. An educational appliance comprising a card having a pictured device and also having a plurality of sockets, and a plurality of disks, of contrasting color to the card, snugly and removably arranged in the said sockets.

7. An educational appliance comprising a card having a pictured device and also having a plurality of sockets, and a plurality of differently colored disks, all contrasting in color to the card, snugly and removably arranged in the said sockets.

In testimony whereof I, have hereunto set my hand in presence of two subscribing witnesses.

ALLAN J. BARBER.

Witnesses:

CHARLES BUCKLEY,
EDGAR L. SPAULDING.