

W. N. HULL.
EDUCATIONAL DEVICE.
APPLICATION FILED OCT. 4, 1911.

1,043,596.

Patented Nov. 5, 1912.

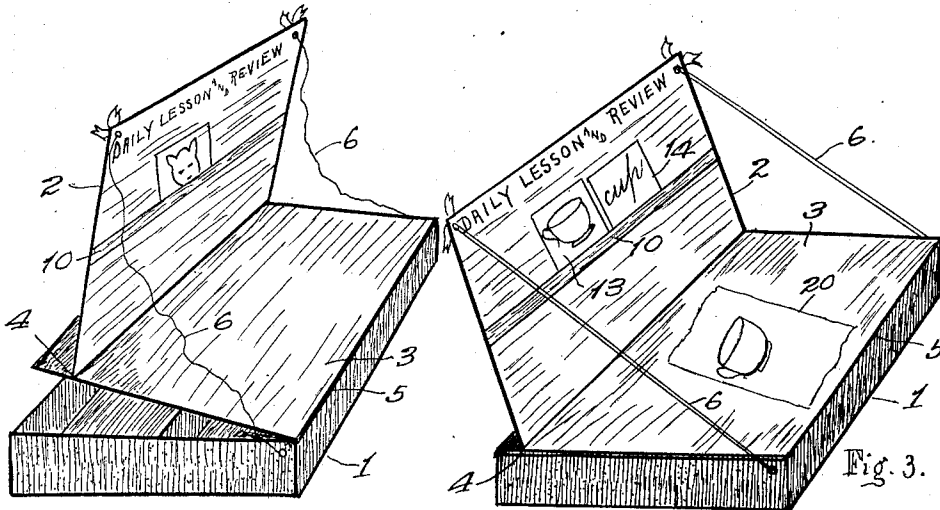


Fig. 2.

Fig. 3.

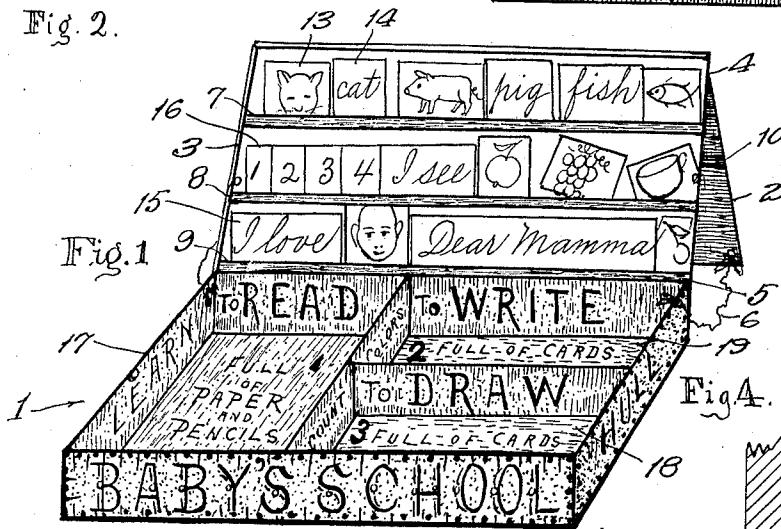


Fig. 1.

Fig. 4.

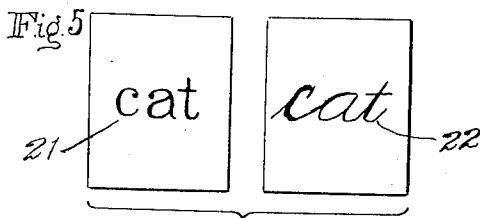
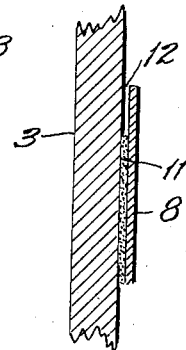


Fig. 5.



Witnesses

C. C. Holly
L. Belle Rhee

Inventor
William N. Hull
James R. Townsend
his atty.

UNITED STATES PATENT OFFICE.

WILLIAM N. HULL, OF LOS ANGELES, CALIFORNIA.

EDUCATIONAL DEVICE.

1,043,596.

Specification of Letters Patent.

Patented Nov. 5, 1912.

Application filed October 4, 1911. Serial No. 652,851.

To all whom it may concern:

Be it known that I, WILLIAM NEWELL HULL, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Educational Device, of which the following is a specification.

An object of this invention is to provide apparatus for teaching young children at home, between the ages of two and six how to draw, write, read, spell, count, add, subtract, multiply, divide and measure; and how to tell colors while at play.

This invention relates to an apparatus including printed cards in a box having compartments; and an object is to provide apparatus of simple, compact and convenient construction and arrangement whereby children may be induced and enabled with a spirit of play to fix in their minds and become thoroughly familiar with the forms of letters, words, figures and objects, with minimum confusion and maximum ease and convenience of control by the parent or other teacher who may be unable to devote full time and attention to the work of teaching the child.

The invention relates to the construction and arrangement of apparatus as set forth in the subjoined detail description.

The accompanying drawings illustrate the invention.

Figure 1 is a perspective view of apparatus constructed in accordance with this invention and open for general use showing the compartments in the box body with inscriptions indicating the character of the contents of such compartments. Fig. 2 is a perspective view showing the box reversed and partly open. Fig. 3 is a view of the reversed box fully open and ready for use. Fig. 4 is an enlarged fragmentary sectional detail illustrating a part of the lid construction. Fig. 5 shows the opposite sides of one of the cards 14.

The apparatus may be made in different forms and dimensions, but will be described here as in the form at present deemed most desirable.

Fig. 1. The rectangular box body 1 is sixteen inches long, ten inches wide and two inches deep, and is provided with a double lid comprising the upper lid 2 and the lower lid 3, said upper lid being hinged at 4 to the lower lid between the edges of the lower lid and comparatively near the free edge of

said lower lid. The upper lid 2 is equal in width to the portion of the lower lid between the upper lid hinge 4 and the hinged edge of the lower lid 3 which is hinged by the hinge 5 to one of the upper walls of the box 1. Flexible stays 6, which may be ribbons or cords of any suitable character are connected with the free edge of the lid 2 and with the walls of the box 1 near the hinged edge of the lower lid 3, and are of such length that when the top lid is fully opened, as shown in Fig. 3, the top lid will be supported in slanting position by the stays 6. The lids are provided on their under sides with card rack strips 7, 8, 9 and 10, the strips 7, 8 and 9 being on the under face of the under lid and the strip 10 being on the under face of the upper lid. Said strips are practically the same construction being preferably made of tough check cardboard, one inch in width and extending from end to end of the lids. The strips are glued as indicated at 11 in Fig. 4 to the lid for about three-quarters of an inch leaving free from the lid one-quarter of an inch at the edge of the lid opposite the hinged edge of the lid, so that when either lid is raised, its under side will be provided with a groove 12 running along the face of the lid into which the edges of cards 13, 14, 15 and 16 may be slipped, said cards may be of any desired character, the cards 13 having drawings, cards 14, words, cards 15, sentences, and cards 16, figures, for instance.

When it is desired to concentrate a child's attention upon a particular lesson, the lower lid with its superposed upper lid will be opened to give access to the compartments 17, 18 and 19 from which may be selected two cards as the cards 13 and 14 shown in Fig. 3, and then the lower lid will be closed, the box reversed and the upper lid be opened as shown in Fig. 3; the upper lid is thus held as an easel to support the cards 13 and 14 while the upper face of the lower lid 3 is in position to serve as a table-top upon which a sheet of paper 20 may be laid in convenient position for a child to draw and write upon. Then the child may make a drawing and write the word shown by the cards in the rack formed by the strip 10.

When it is desired to allow the children to play with all the cards, the box will again be reversed and opened, as shown in Fig. 1; the upper lid will drop back, thus forming a support to hold the lower lid in easel posi-

tion as shown. The strips 7, 8 and 9 are preferably of different colors, one being blue, another pink, and the third green, these colors being selected because they are mild to the eye. Other colors, however, may be employed within the discretion of the constructor. These three strips not only assist in teaching the children to distinguish shades of color, but also enable three children to play independently at the same time, each one being assigned a single rack in which to place his cards. The lower lid when thus raised is prevented from falling backward except as to the proper slant by the upper lid which is slanted outward to rest on the table-top or other support, not shown, on which the box is placed. The ribbons 6 may also be of different colors, thus adding to the variety and information with which the child is to be familiarized. The cards may be provided upon one side with printed words 21 and on the other side with the corresponding script word 22, so that the child may by turning the card familiarize himself with both forms of the word. The box may also contain other paraphernalia, as a six-inch paper ruler, not shown, in inches marked around to enable the child to understand inches, and measure objects of any description in inches. The box may also contain cards, not shown, in the form of circles, squares, oblongs, stars, eggs, etc., of different colors, which a child may lay down upon paper, one at a time, on the table-top formed by the lid 3 to mark around such form on the paper and afterward to cut out such form by scissors, thus enabling the child to practically learn geometric and other forms and

how to make them, and at the same time distinguish colors.

I claim:

1. An educational device comprising a double-lidded box, the lids being superposed, the upper lid being hinged to the lower lid near the free edge thereof and adapted to form a support for the lower lid when the lids are opened.

2. An educational device comprising a double-lidded box, the lids being superposed, the upper lid being hinged to the lower lid near the free edge thereof and adapted to form a support for the lower lid when the lids are opened, and means on the inner face of the lower lid to hold cards.

3. An educational device comprising a double-lidded box, the lids being superposed, the lower lid when closed forming a table-top and the upper lid forming an easel, and means to hold the upper lid aslant, said upper lid being provided with a cardboard strip glued at its lower edge to the upper lid and free at its upper edge from the upper lid.

4. A double-lidded box having lower and upper lids, the lower lid forming a table while the upper lid is thrown back at a slant, ribbons to hold the upper lid at such slant, and strips glued across the surface of the upper lid behind which may be placed cards.

In testimony whereof, I have hereunto set my hand at Los Angeles, California, this 28th day of September, 1911.

WILLIAM N. HULL.

In presence of—

JAMES R. TOWNSEND.

L. BELLE RICE.