Sept. 13, 1966 R. G. CHUY 3,271,882

FLASH CARD GAME AND STAND

Filed May 21, 1964

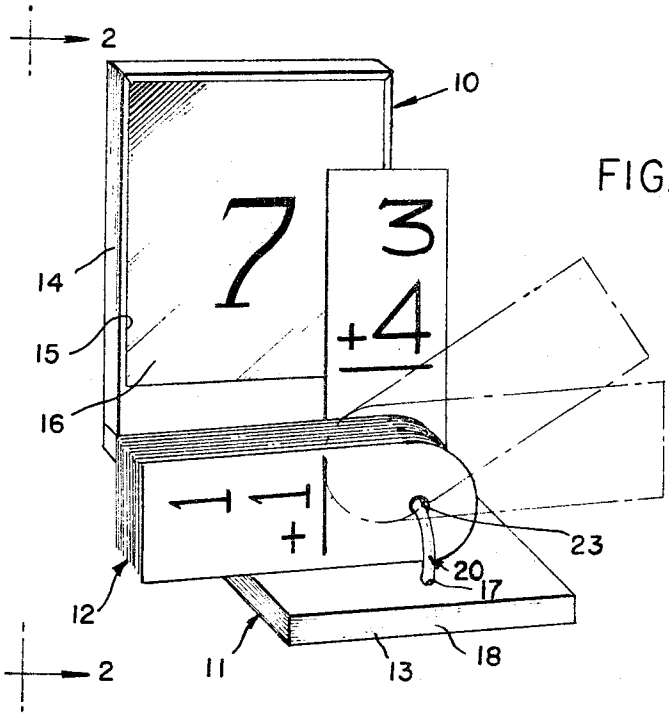
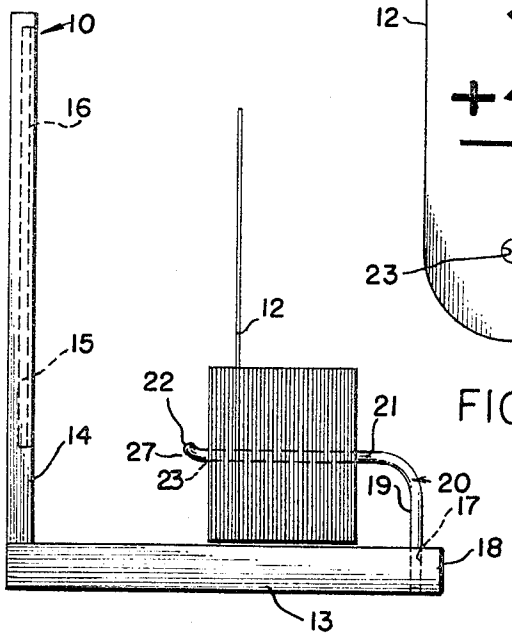



FIG. 1.

FIG. 2.



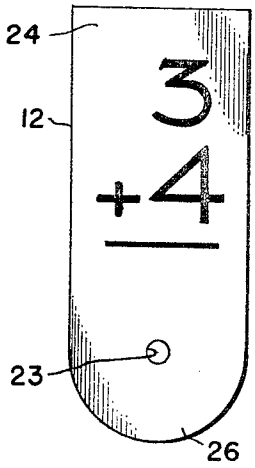




FIG. 3.

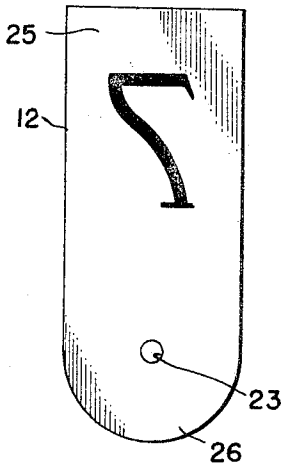



FIG 4.

INVENTOR.
Ruth G. Chuy

BY
Donnelly, Mentag & Harrington
ATTORNEYS

United States Patent Office

3,271,882
Patented Sept. 13, 1966

1

3,271,882

# FLASH CARD GAME AND STAND

Ruth G. Chuy, 15447 Sorrento, Detroit 27, Mich.

Filed May 21, 1964, Ser. No. 369,140
2 Claims. (Cl. 35—31)

This invention relates to flash card games used by children for learning simple arithmetic problems wherein a problem appears on the front face of a card and the answer thereto on the rear face thereof.

The primary object of my invention is to provide a means for maintaining a set of flash cards in a compact and orderly fashion while they are being used, and for being able to ascertain the answer to a problem without having to turn each card to read the answer usually printed on the rear face thereof.

Another object of this invention is to provide a structure whereby one set of cards, for example of addition problems, can be quickly interchanged with another set of multiplication or division problems, etc., or with a set of cards relating to other subjects of learning.

It is still another object of this invention to provide a novel and improved flash card game and stand device which is simple and compact in construction, economical of manufacture, and easy to use.

It is still a further object of the present invention to provide a novel and improved flash card game device comprising a set of flash cards, a stand, means for mounting said set of flash cards on said stand, and means carried by the stand and cooperative with said flash cards to show the answers to problems appearing on the front faces of said flash cards.

In general, it is the object of this invention to create more interest and excitement in learning through the use of flash cards with the novel employment of a mirror in which to read the answers.

Other objects, features and advantages of this invention will be apparent from the following detailed description, appended claims, and the accompanying drawing.

In the drawing:

FIG. 1 is a perspective view of a flash card holding device made in accordance with the principles of the present invention;

FIG. 2 is a side elevational view of the structure illustrated in FIG. 1, taken along the line 2—2 thereof, and looking in the direction of the arrows;

FIG. 3 is an elevational view of the front face of one of the flash cards employed in the invention; and,

FIG. 4 is a rear elevational view of the flash card illustrated in FIG. 3.

Referring now to the drawings, wherein like reference characters designate like or similar parts, the numeral **10** generally designates an illustrative embodiment of the invention which comprises a stand generally indicated by the numeral **11** and a set of cards of the flash card type designated generally as **12**.

As shown in FIGS. 1 and 2, the flash card holding stand **11** is of an L shaped formation having a horizontal, rectangularly shaped platform **13** and an upright plate member **14** projecting vertically upward from one end thereof for the purpose of providing a rectangularly shaped housing or recess **15**. Vertically positioned in the recess **15** is a rectangular mirror **16** which is fixedly secured in place by glue or other suitable means.

2

Mounted in the annular opening **17**, provided in the midportion of said platform **13** and adjacent the front edge **18** opposite said upright member **14**, is the vertical portion **19** of an integral L shaped rod generally indicated by the numeral **20**. The rod **20** has its other horizontal portion **21** extended parallel to said base platform **13** with its inner terminal end **22** being slightly radiused into the upward direction for a purpose which will be disclosed in detail hereinafter.

Mounted onto the horizontally disposed portion **21** of said L shaped rod **20** by means of annular openings **23** is a set of cards which are each designated by the numeral **12**. The cards are made from any suitable rigid or firm paper, or plastic material. The illustrative cards **12** have problems in arithmetic printed on the front faces **24** thereof as for example, an addition problem of 3 plus 4, as shown in FIG. 3. As seen in FIG. 4, the rear face **25** of the flashcard **12** of FIG. 3 has a numeral printed backwardly thereon, in this case the numeral **7**, which is the solution to the addition problem 3 plus 4 appearing on the front face of said flash card.

It will be readily apparent that as each card **12** is rotatably raised about said rod portion **21** and held upright in front of said mirror **16**, the backwardly printed numeral appearing on the rear face of said card will be reflected from said mirror to the viewer in proper position for readability.

For the purpose of more easily flipping each card from one side of the rod portion **21** to the other, each card **12** has its lower terminal **26** rounded. For the purpose of preventing each card from sliding off of said rod portion **21**, the inner or free end of said rod portion is slightly radiused into the upward direction as indicated by the numeral **27** in FIG. 2.

It will also be realized that any type of flash cards incorporating the aid of a mirror can be used for problems or written questions in other fields than mathematics wherein an answer may be in the form of a word or group of words comprising a sentence also backwardly printed, and that one of the sets of cards can be slidably removed from said rod **20** and be replaced by another set.

While it will be apparent that the preferred embodiment of the invention herein disclosed is well calculated to fulfill the objects above stated, it will be appreciated that the invention is susceptible to modification, variation and change without departing from the proper scope or fair meaning of the subjoined claims.

What I claim is:

**1.** A device of the class described comprising: a plurality of flash card type cards; each of said cards being provided with a rounded lower end and a centrally located annular opening through said lower end; a platform having a plate on one end projecting vertically upward for vertically mounting a mirror thereon; an L shaped card supporting rod; said platform being provided with an opening spaced from said plate for mounting one end of a vertical portion of said L shaped rod; the other horizontal portion of said L shaped rod extending toward said mirror and being disposed in parallel relationship to and spaced above said platform for mounting said flash cards thereon by means of said central openings for forming a rotatable axis for said flash cards, whereby each of said flash cards may be rotated selectively from a horizontal inoperative position to a vertical operative position; said flash cards having their rear faces facing said mirror;

printed means carried on the front faces of said flash cards for displaying problems; and, printed means carried on the rear faces of said flash cards for showing the answers to problems appearing on the front faces of said flash cards in cooperation with said mirror.

2. The device as defined in claim 1, wherein: said printed means for showing the answer to a problem comprises the answer to said problem being printed backwardly on the rear face of each flash card so as to be reflected from said mirror on said stand.



**References Cited by the Examiner**

UNITED STATES PATENTS

| | | | |
|---|---|---|---|
| 335,837 | 2/1886 | Peckham | 35—9 X |
| 434,855 | 8/1890 | Worsley | 40—312 |
| 1,736,552 | 11/1929 | Shulman et al. | 35—9 |
| 2,723,464 | 11/1955 | Zalkind | 35—32 |


EUGENE R. CAPOZIO, *Primary Examiner.*

WILLIAM GRIEB, *Assistant Examiner.*