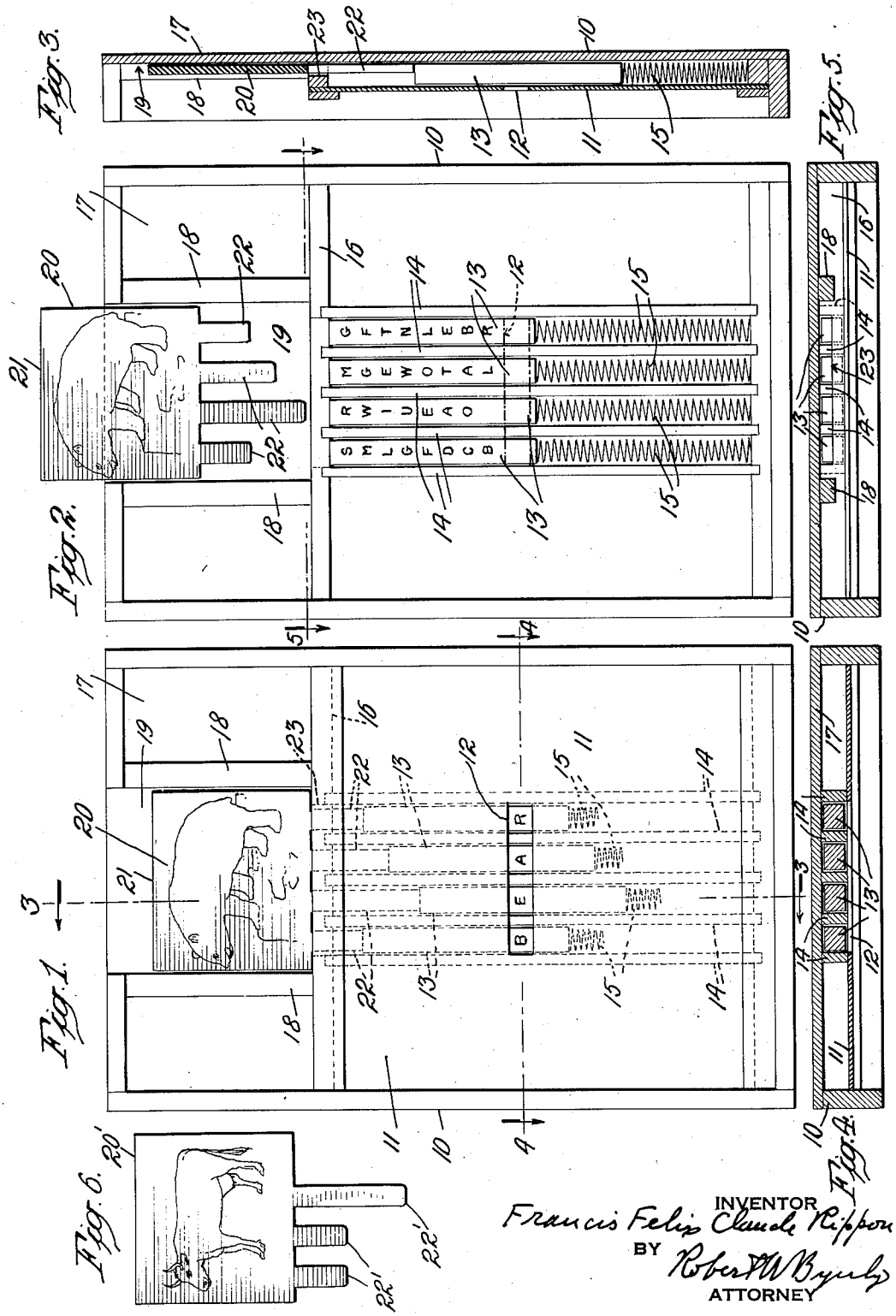
March 28, 1933. F. F. C. RIPPON 1,902,971

TOY

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UNITED STATES PATENT OFFICE

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TOY

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This invention relates to toys, and aims to provide a new toy which is, at the same time, amusing and instructive.

In the form which I now consider most desirable, the new toy includes a container in which are a number of sets of normally concealed letters, and a number of operating members each of which bears a picture. The arrangement is such that the application of any of the operating elements to the container moves the sets of letters so as to expose certain predetermined letters. In this way, the animals or other subjects of the pictures upon the operating elements, by application to the container, may be made to spell their own names in what, to a child, appears a mysterious manner.

While the exact mechanical arrangement of the parts of the toy is subject to wide variation, I have, for the sake of illustration, shown in the accompanying drawing, a specific embodiment of the invention from which the nature of the invention may clearly be understood. In the drawing:

Fig. 1 is a face view of the toy showing an operating element applied to the container;

Fig. 2 is a similar view omitting the cover of the container but indicating the position of the window therein, and showing the operating element out of operative position;

Figs. 3, 4 and 5 are sections on the lines 3—3 and 4—4 of Fig. 1, and the line 5—5 of Fig. 2 respectively; and

Fig. 6 shows another of the operating elements.

In the specific embodiment of the invention shown in the drawing, the frame 10 of the toy provides a container having a cover 11 containing a window 12. Within the container are a plurality of movable elements 13, each bearing a series of symbols, such as the letters shown. Each movable element is so guided that the symbols which it bears may be exposed one at a time through a part of the window 12. In the form shown, rails 14, perpendicular to the window 12, are provided to guide the movable elements 13. Each movable element 13 is normally, but displaceably, positioned so that no one of its symbols appears through the window 12. For this purpose, light compression springs 15 may be provided to urge the elements 13 against a stop bar 16 which may constitute the top of the container.

A considerable number of different operating elements are most desirably included in the toy. The operating element 20 includes a plaque 21 bearing an indicium, such as a picture, and is provided with a number of keys, such as the projections 22. To facilitate the application of the operating elements to the container, the frame may have a projecting portion 17 carrying bars 18, providing an open slideway 19 into which the operating elements may be slid from above. A slot 23 in the stop bar 16 permits the key projections 22 to enter the container and to engage and move the movable elements 13.

The operating element 20 shown bears a picture of a bear, and its key projections 22 are of such a length that, when this operating element is pushed down in the slideway 19, the movable elements 13 are displaced so as to align and expose through the window 12 the letters B E A R. The operating element 20′ shown in Fig. 6 bears a picture of a cow. It has three key projections 22′ adapted to displace three of the movable elements 13 so as to align and expose through the window the letters C O W. The arrangement of the series of letters shown in Fig. 2 permits the spelling of the names of twenty animals by the provision of eighteen additional operating elements provided with suitable key projections.

An important feature of the toy is that the symbols exposed on the application of each operating element have some definite relation to the indicium on the operating element. The relation of descriptive word to picture is merely a preferred illustration of such a relation.

The particular embodiment illustrated has the merit of great simplicity which enables it to be made at very small cost. It will, however, be apparent to anyone skilled in the art that the arrangement of the letters or symbols, as well as the mechanical arrangement of the toy, may be widely varied with-

out departing from my invention, whose scope is indicated in the appended claims.

What I claim is:

1. A new toy comprising a container having a window, a movable element in the container bearing a series of indicia exposable one at a time through the window, means for initially and displaceably positioning said movable element to conceal said indicia, an operating element bearing an indicium and having a key adapted to displace said movable element so as to expose through the window a predetermined indicium thereon related to the indicium on the operating element.

2. A new toy comprising a frame, a plurality of movable elements mounted thereon and each bearing a series of different symbols, yieldable means displaceably holding said movable elements in an initial position, an operating element bearing an indicium and having a plurality of keys adapted to displace said movable elements to align predetermined symbols thereon related as a group to the symbol on the operating element.

3. A new toy comprising a container having a window, a plurality of movable elements in the container bearing a series of symbols, the symbols of each series being exposable one at a time through different parts of said window, means for initially and displaceably positioning said movable elements to conceal said symbols, an operating element bearing an indicium and having a plurality of keys adapted to displace said movable elements so as to align and expose through the window predetermined symbols having as a group a relation to the indicium on the operating element.

4. A toy comprising a plurality of movable elements, each bearing a series of letters, an operating element bearing a picture, and means carried by the operating element to move the movable elements into a predetermined position in which the letters spelling the name of the subject of the picture are aligned.

5. A toy comprising a container having a window, a plurality of movable elements in the container, each bearing a series of letters exposable through the window, an operating element bearing a picture, and means carried by the operating element to move the movable element into a predetermined position in which the letters spelling the name of the subject of the picture are aligned and exposed through the window.

6. A toy comprising a frame, a plurality of parallel, longitudinally movable slides mounted in the frame and each bearing a series of symbols, an apertured stop limiting the movement of said slides in one direction, springs urging said slides against said stop, a cover for said frame containing a window extending across said slides, means providing a guideway on said frame at the side of said apertured stop opposite to said slides, an operating element bearing an indicium and slidable in said guideway, and a plurality of key projections on said operating element adapted to pass through said apertured stop and depress said slides to expose predetermined symbols thereon through said window.

In testimony whereof I have hereunto set my hand.

FRANCIS FELIX CLAUDE RIPPON.

CERTIFICATE OF CORRECTION.

Patent No. 1,902,971. March 28, 1933.

FRANCIS FELIX CLAUDE RIPPON.

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page 2, line 25, claim 2, for "symbol" read "indicium"; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 23rd day of May, A. D. 1933.

M. J. Moore.

(Seal) Acting Commissioner of Patents.