

(No Model.)

G. E. THROOP.  
TOY.

No. 408,148.

Patented July 30, 1889.

Fig. 1

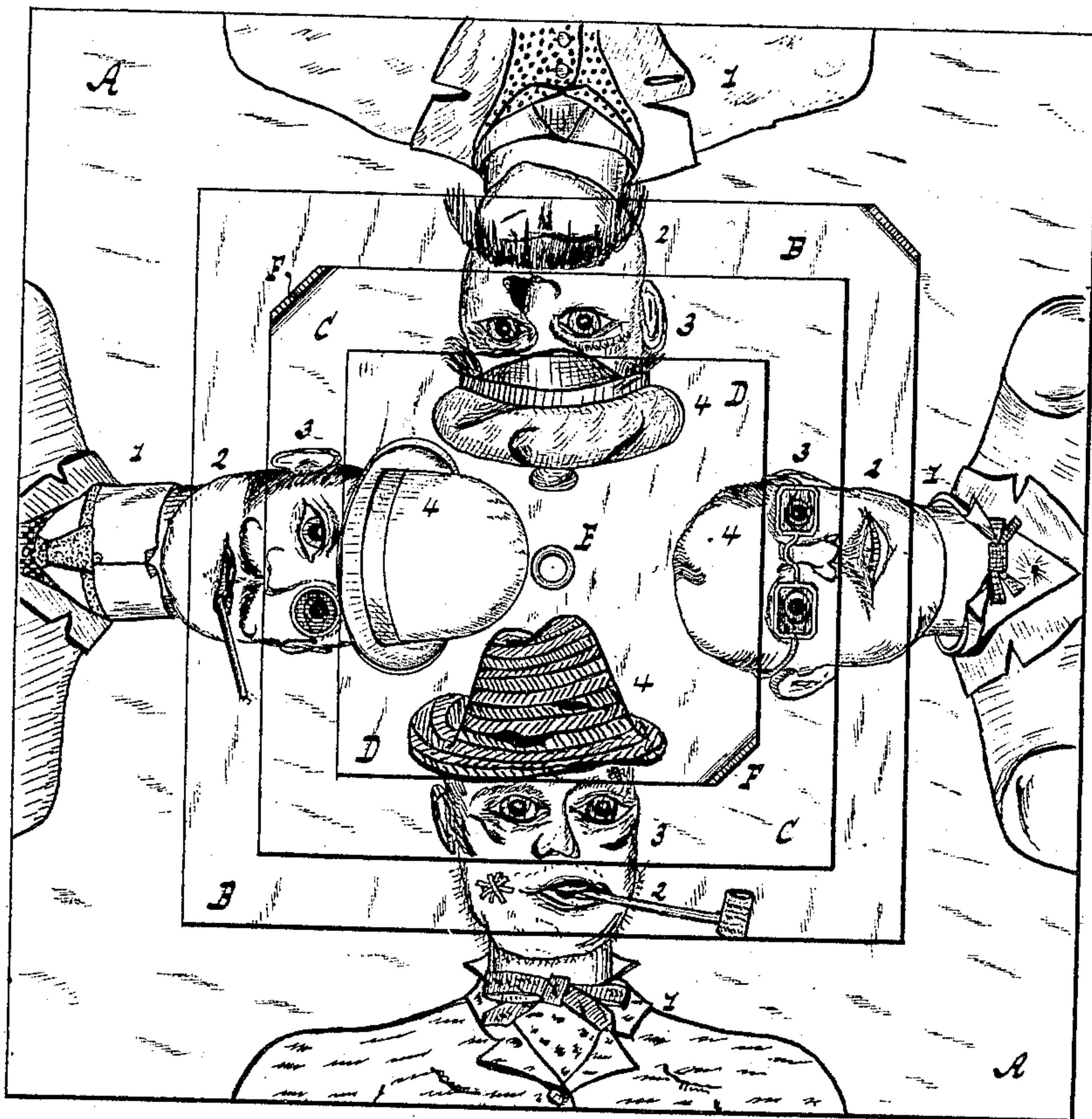


Fig. 2.

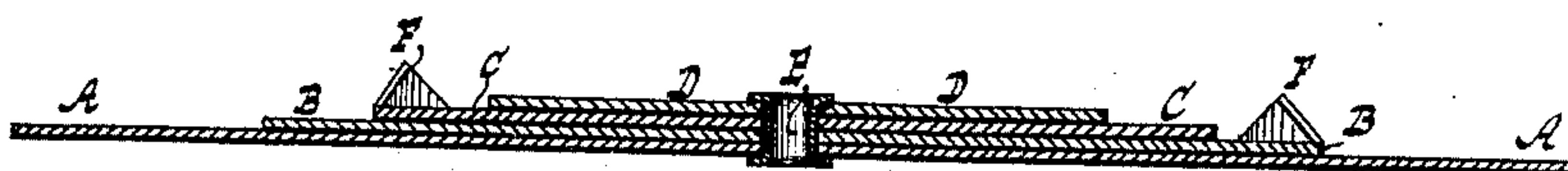
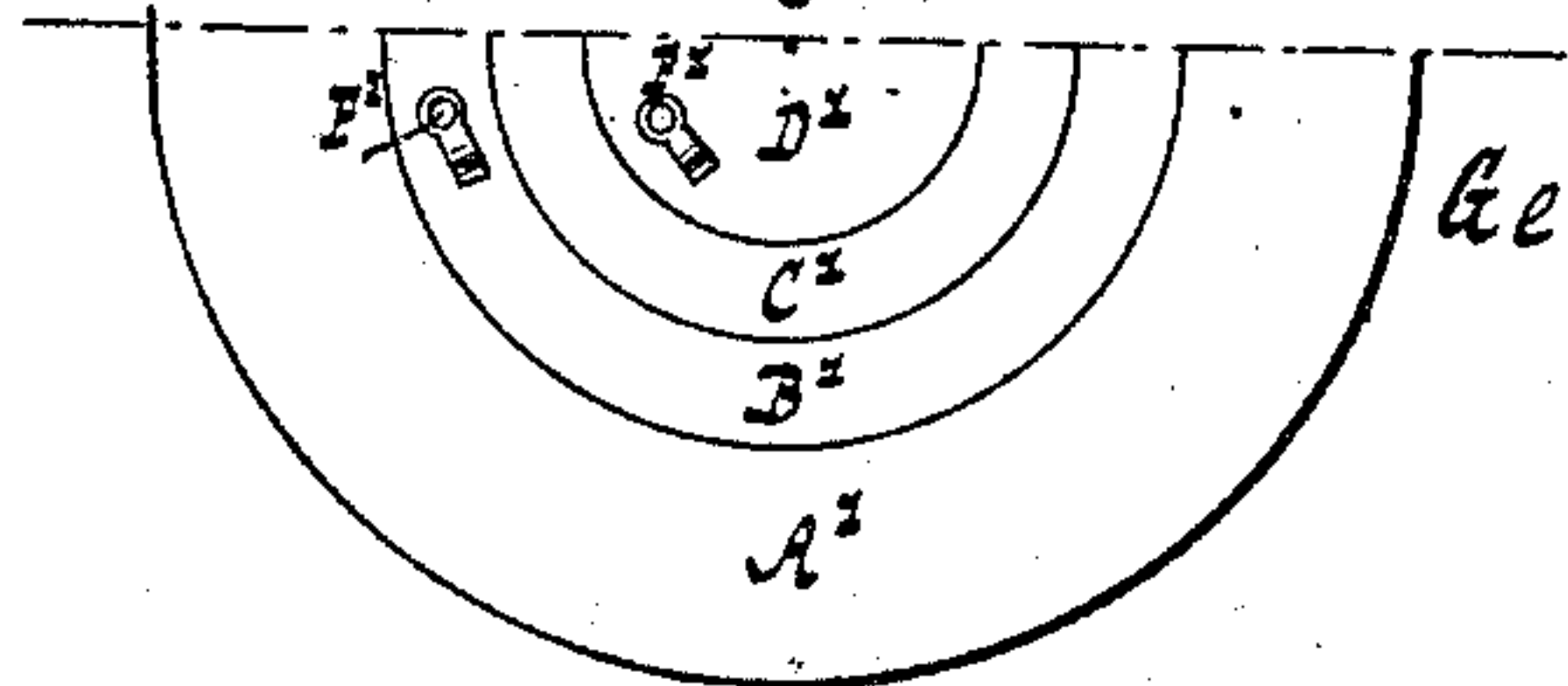


Fig. 3



Fig. 4.



WITNESSES:

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INVENTOR

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# UNITED STATES PATENT OFFICE.

GEORGE E. THROOP, OF NEW YORK, N. Y.

## TOY.

SPECIFICATION forming part of Letters Patent No. 408,148, dated July 30, 1889.

Application filed September 10, 1886. Serial No. 213,245. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE E. THROOP, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Toys, of which the following is a specification.

My invention relates to improvements in toys of that class in which complete and variable pictorial representations can be formed by the proper adjustment of parts bearing portions of such representations; and the invention consists in the novel construction and combinations of parts, hereinafter fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 represents a plan or top view of the toy. Fig. 2 is a central transverse section of the same. Figs. 3 and 4 are respectively sectional and plan views of a modification.

Similar letters indicate corresponding parts.

In the drawings, the letter A represents a flat base, preferably made of card-board, upon which are delineated portions or sections of pictorial representations, which portions are shown in this example to be the neck and shoulders of individuals. These portions are made to contrast as much as possible. Upon this base are superimposed a number of flat plates B, C, and D, which are pivoted to the base A by means of an eyelet E, and can be rotated about their common point of pivoting independently of each other. These plates decrease in size upwardly, and upon their exposed portions or faces are delineated at various points the remaining portions or sections 2, 3, and 4, Fig. 1, of the various representations in such a manner that when these plates B C D are properly adjusted so as to bring any of the several sets of sections 1, 2, 3, and 4 in line with each other a number of complete pictures are formed. It is evident that numerous different complete representations can be formed by rotating the plates about their point of pivoting, so as to mix corresponding parts of the various representations.

To facilitate the adjustment of the plates, I provide each one of the same with a finger-piece F, which is intended to be grasped by the hand. This finger-piece may consist of a

strip or piece of paper or other suitable material that is glued to the plates, or, when the plates are rectangular in outline, as shown in the drawings, such finger-pieces can be formed by bending up squarely one corner of each plate. Instead of employing square or rectangular plates circular disks can be used for the same purpose, and in this case the finger-pieces are either attached to the plates or formed by cutting out and bending up portions of the same to form spurs.

It will be observed that the pictorial representations are substantially in the same plane and can all be viewed at the same time.

When the plates are circular in contour, they can be arranged one within the other or nested, as shown in Figs. 3 and 4, with their faces flush or on the same plane—that is to say, the base A is constructed with a circular recess, into which is fitted an annular disk B', and into this is fitted a second annular disk C', &c., the final disk D' being full. The disks are dovetailed about their rim, or may be held secure in any other suitable manner. Finger-pieces F' are likewise secured to these disks to facilitate their adjusting.

I am aware that a spelling toy and puzzle has been composed of a base-piece and a series of disks decreasing in size and revoluble about a common center, each disk bearing the complete letters of the alphabet for spelling words by turning the disks to bring the letters of the words in radial lines. I am also aware that boxes have been proposed where portions of comical pictures have been placed on the box-body and the other portions to complete the pictures on the box-cover. Such devices, however, do not constitute my invention, and are not claimed by me. In my invention a series of horizontal plates decreasing in size and revoluble about a common center are each provided with portions or fragments of several pictorial representations, and all the representations are in substantially the same horizontal plane and can all be viewed at the same time.

What I claim as new, and desire to secure by Letters Patent, is—

1. A toy consisting of the base A, having distributed thereon at various points fragmentary portions or sections of pictorial representations, and a series of revoluble plates



B C D, supported by said base and decreasing in size, as shown, each of said plates having arranged thereon other fragmentary portions of the pictorial representations in such  
5 manner as to form with the fragmentary representations on the base and other plates of the series a complete and variable picture at every point occupied by the sectional or fragmentary representations, substantially as  
10 shown and described.

2. The combination of a stationary base A, having fragments of pictorial representations distributed thereon, and a series of flat revoluble plates B C D, provided with finger-  
15 pieces F, said plates having distributed thereon other fragments of pictorial representations arranged to form a number of complete and variable pictures when the several plates are turned to bring the fragments on the base

and plates in line, substantially as described. 20

3. The combination, with a stationary base A, having distributed thereon near its edges sections of pictorial representations, of a series of revoluble plates B C D, nested one within the other, the faces of the plates and  
25 base being flush or on the same plane, and said plates having sections of the representations arranged thereon to form a number of complete pictures with the portions on the base, substantially as described. 30

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

GEORGE E. THROOP.

Witnesses:

W. HAUFF,  
A. FABER DU FAUR, Jr.