

No. 855,944.

PATENTED JUNE 4, 1907.

M. A. GLEN.  
TRANSFORMABLE TOY.  
APPLICATION FILED JAN. 2, 1907.

Fig. 1.

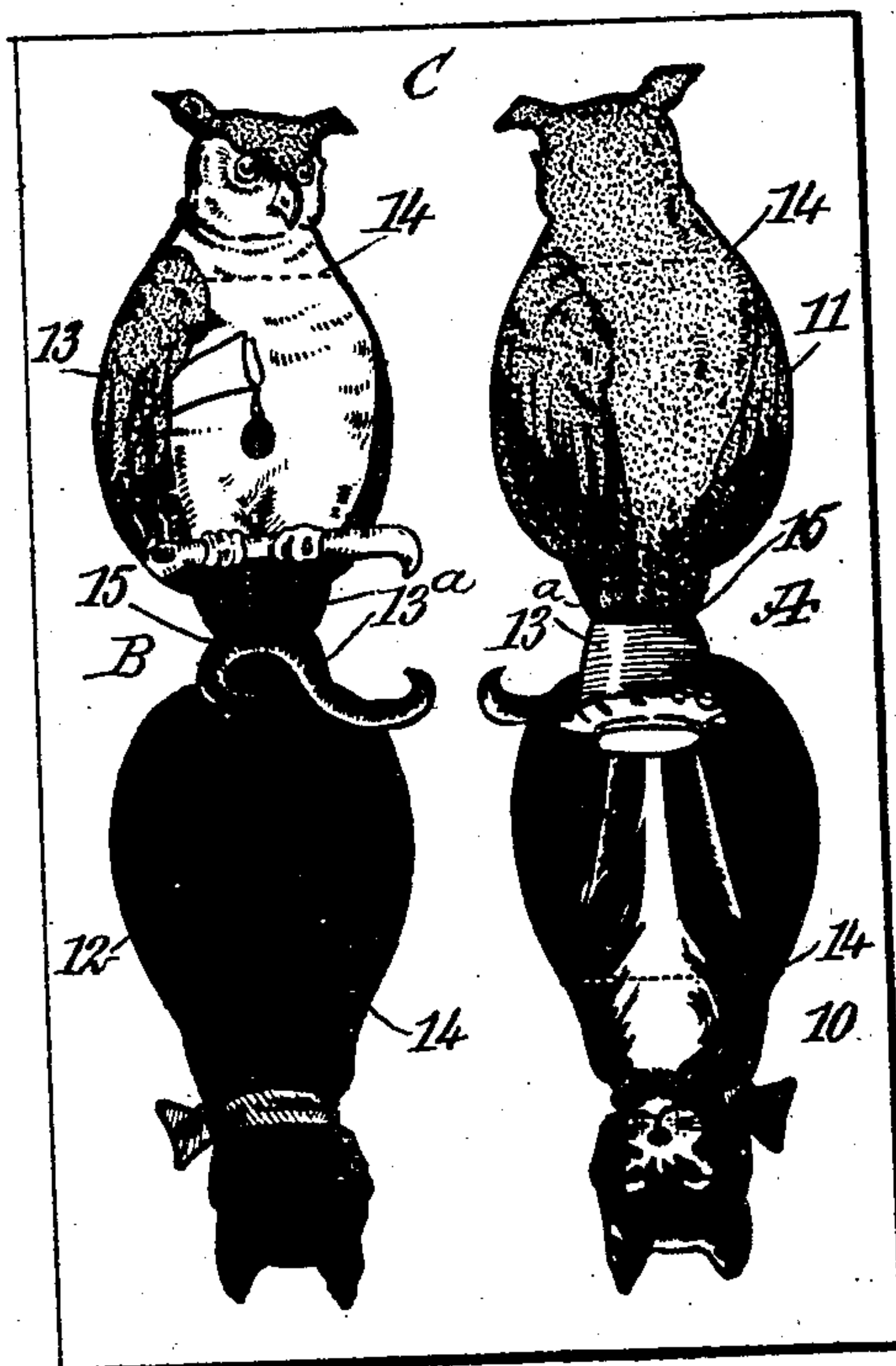
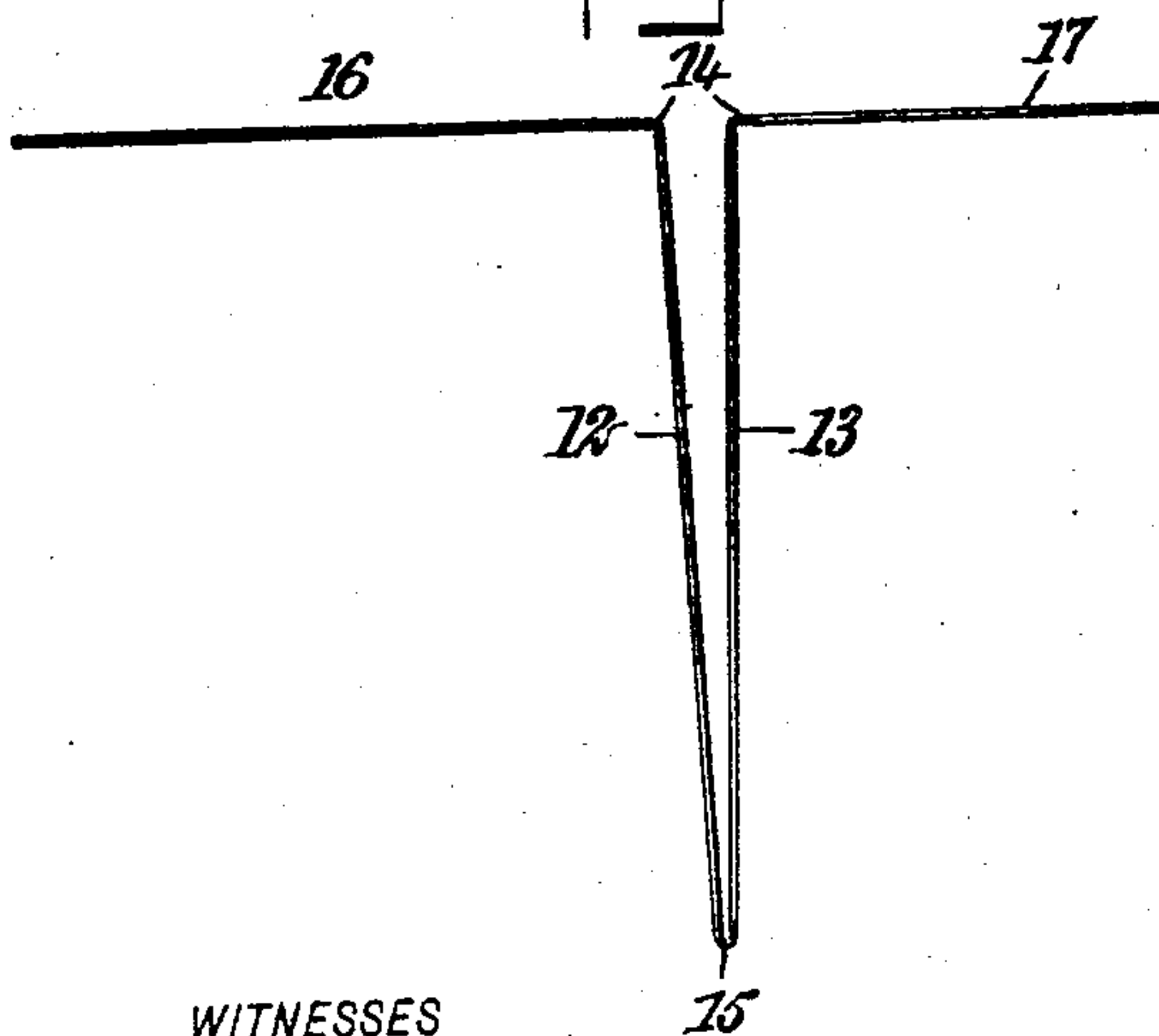


Fig. 2.



WITNESSES

William P. Goebel.  
[Signature]

Fig. 3.



INVENTOR

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# UNITED STATES PATENT OFFICE.

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## TRANSFORMABLE TOY.

No. 855,944.

Specification of Letters Patent.

Patented June 4, 1907.

Application filed January 2, 1907. Serial No. 350,338.

*To all whom it may concern:*

Be it known that I, MARY A. GLEN, a citizen of the United States, and a resident of Elizabeth, in the county of Union and State of New Jersey, have invented a new and useful Improvement in Transformable Toys, of which the following is a full, clear, and exact description.

The purpose of the invention is to provide a toy which is primarily in sheet form and which is adapted to be cut out, folded, glued, and the parts connected to produce a transformable object.

The objects may be produced upon sheets of paper, pasteboard, metal or other material, manufactured, issued, or published separately or in book form, or in any other form whatever, and the objects may be printed, drawn, stamped or painted in colors or otherwise, with single, double, compound or separate figures or parts of figures of persons, animals, objects, creatures or the like, which after being made up, when turned inside out or changed about, will show a different figure or figures, representation or representations of persons, animals, creatures or objects.

It is also a purpose of the invention to produce objects or toys of paper, pasteboard, metal or other material, manufactured or made up in any manner or form from the sheets aforesaid, or otherwise embracing two or more figures or representations of persons, animals, creatures or objects, which when turned inside out or changed about, will show a different figure or figures, representation or representations of persons, animals, creatures or objects.

The invention consists in the novel construction and combination of the several parts as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of a sheet having objects produced thereon that are adapted to be cut out from the sheet; Fig. 2 is an edge view of one of the objects cut out and folded for attachment to the kindred object; and Fig. 3 is an edge view of the complete toy, parts being folded so as to occupy such position that either representation may be presented to the operator.

In the drawings, as is illustrated in Fig. 1, two objects A and B are produced upon a sheet C, which objects are adapted to be cut out neatly along their marginal lines. Each object is in two sections, the object A comprises a section 10 and a section 11, while the object B consists of a section 12 and a section 13, the sections of each object being connected. In the present instance the section 10 represents a face view of a cat and the attached section 11 the back of an owl, while the section 12 of the object B represents the back view of a cat and the section 13 the face or front view of an owl. The sections of the objects where they connect are so shaped as to form practically a base 13<sup>a</sup>, but such a base is not absolutely essential, since the representation presented by one section may be merged directly into the representation presented by the other section.

Each section of each object A and B is provided with a score line 14 or the equivalent thereof, that extends across the body portion of the section a predetermined distance between its upper and its lower portion, that is to say, between the head and the bottom portions of a section, and a similar line 15 is drawn or produced to indicate the point of jointure between the base portions of the sections of the objects. These lines 14 and 15 are to indicate where the cut out sections are to be bent or folded, and therefore the lines 14 and 15 may be of any character that will indicate a fold and will assist in the act of folding.

The two objects A and B having been properly cut out from the sheet C, each object is bent upon itself at the divisional or score line 15, and then the body portions of the individual objects are pasted together or are otherwise made to adhere from the base portion to the score line 14. Each object having been so prepared, the head portions of the sections of the bodies are bent outward or in opposite directions upon the score line 14, thus providing two folded or horizontal head sections 16 and 17 for each object A and B, as is shown in Fig. 2. Next, the two objects A and B are brought together, that is to say, the plain surfaces of the heads for like objects are brought together, and are cemented, glued, or otherwise flatly and smoothly attached to each other, producing thereby, as is illustrated in Fig. 3, a body 18 that represents on one side the front of the body of an



owl, and the other side the back of the body of a cat, the other body portion 19 representing on one face the back of the body of an owl, and on the opposing face the front of the body of a cat, and where these two bodies connect; the head or upper portions of the bodies extend out in opposite directions, one of these extending portions 21 representing upon the inner face the head and shoulders of a cat, and on the other face the corresponding portion of the back of the cat, while the other extending section 20 represents on one face the front of the head and shoulders of an owl, and the other face the corresponding portion of the back of the owl.

It will be observed that if the body portions are carried together in one direction, the representation of the front and back of a cat will be obtained, while if the body portions are reversed, the representation of the front and back of an owl is presented, and under each condition, one of the extended sections or that which is not required, lies between and is concealed by the two body sections 18 and 19 of the toy.

I desire it to be distinctly understood that I do not confine myself to any particular formation or representation of the objects, the subject selected being that for convenience of representation only.

Having thus described my invention, I

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

1. A transformable toy of sheet material, comprising a plurality of sheets joined at their ends and having their central portions folded upon themselves, whereby to cover or conceal either end portion, each of said sheets having upon its outer face oppositely arranged representations of different subjects, the corresponding representations of the two sheets being of the same subject.

2. A transformable toy consisting of two body members, each representing the face of one subject and the back of another subject, which body members are connected to fold one upon the other in two directions and extension members from the point of unity between the body members one of which extension members represents the front and rear head portion of one of the subjects depicted upon the body members, and the other the front and rear head portion of the other subject.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MARY A. GLEN.

Witnesses:

J. FRED. ACKER,  
JNO. M. RITTER.