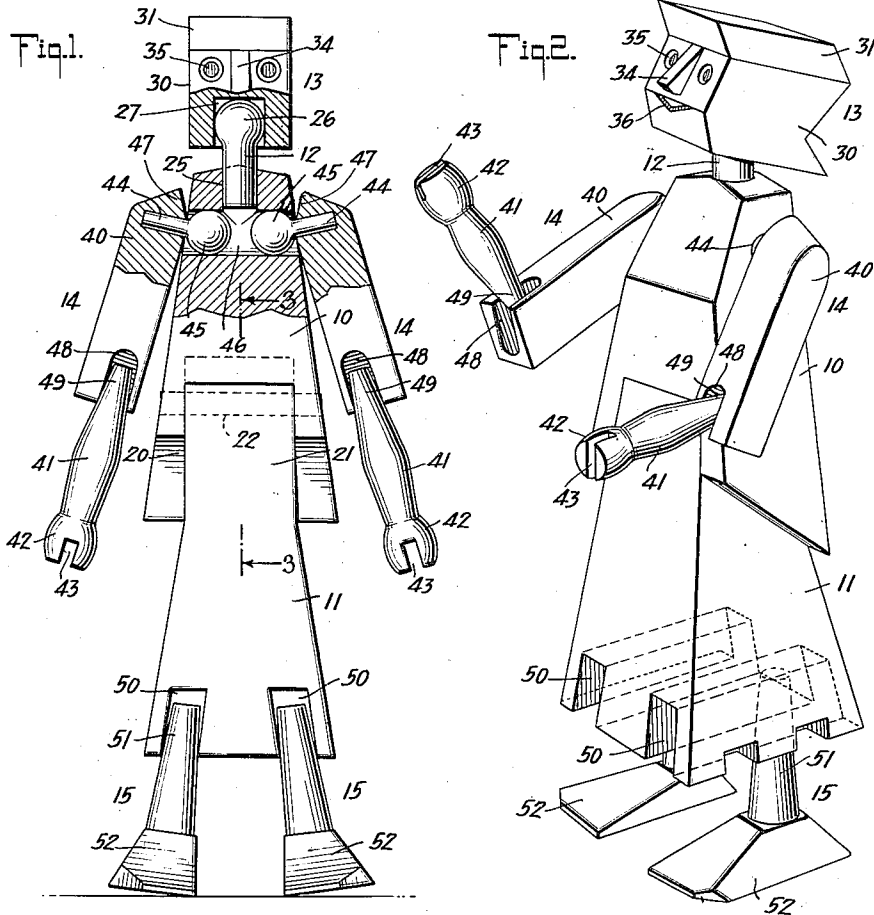
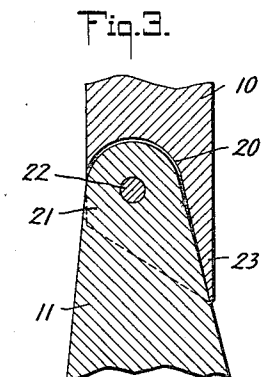


E. J. READ.
JOINTED TOY FIGURE.
APPLICATION FILED MAR. 27, 1918.

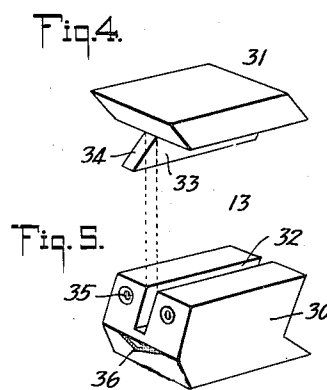
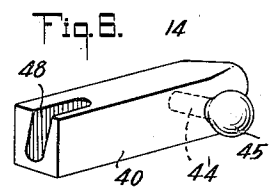
1,283,558.

Patented Nov. 5, 1918.



WITNESSES

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JOINTED TOY FIGURE.

1,283,558.

Specification of Letters Patent.

Patented Nov. 5, 1918.

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To all whom it may concern:

Be it known that I, ELMER J. READ, a citizen of the United States, and a resident of Rutherford, in the county of Bergen and State of New Jersey, have invented a new and Improved Jointed Toy Figure, of which the following is a full, clear, and exact description.

The invention relates to jointed toy figures such as shown and described in the Letters Patent of the United States, No. 1,211,232, granted to me on January 2, 1917.

The object of the present invention is to provide a new and improved jointed toy figure arranged to permit of readily and conveniently changing the positions of the movable members of the figure to represent the figure in various artistic, grotesque or other attitudes or poses. Another object is to permit of cheaply manufacturing the several parts of the jointed toy figure to allow the user to readily assemble the parts and to hold the same in the adjusted position without special fastening devices.

With these and other objects in view, the invention consists of certain novel features of construction, as hereinafter shown and described and specifically pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a front elevation of the jointed toy figure with parts shown in section;

Fig. 2 is a perspective view of the same;

Fig. 3 is a cross section of the body sections on the line 3—3 of Fig. 1;

Fig. 4 is a perspective view of the top portion of the head;

Fig. 5 is a similar view of the lower portion of the head; and

Fig. 6 is a perspective view of one of the upper arms of the jointed toy figure.

The jointed toy figure represented in the drawings simulates a female, but I do not limit myself to this particular representation. The jointed toy figure in its general construction consists of an upper body section 10, a lower body section 11, a neck 12, a head 13, upper limbs 14 and combined calf and foot members 15.

The under side of the upper body section 10 is provided with a semicircular recess 20

into which fits a rounded off tongue 21 mounted to swing on a pivot 22 extending sidewise through the side walls of the recess 20 and the center of the tongue 21 to allow of swinging the body sections 10 and 11 in a transverse direction to move the said body sections into the desired angular positions. The joint between the tongue 21 and the walls of the recess 20 is sufficiently snug to hold the upper and lower body sections in the desired adjusted position. The rear wall 23 of the recess 20 is extended downward, as plainly indicated in Fig. 3, to limit the rearward swinging movement of the body sections one relative to the other with a view to hold the body sections in an approximately vertical position.

The neck 12 is in the form of a pin fastened at its lower end in a recess 25 formed in the top of the upper body section 10, and the pin terminates at its upper end in a ball 26 snugly fitting into a cylindrical recess 27 formed in the under side of the head 13. By the arrangement described the head 13 can be readily turned in any desired direction on the ball 26 and the head remains in the adjusted position owing to the frictional contact between the ball 26 and the walls of the recess 27. The head 13 comprises a lower portion 30 and an upper portion 31 which latter is shaped to include a head covering and may be given various shapes to vary the appearance of the head covering. The lower head portion 30 is provided on the top with a transversely extending groove 32 into which fits a tongue 33 depending from the under side of the upper head portion 31, the forward end 34 of the said tongue projecting beyond the front of the lower head portion 30 to form a nose, as plainly indicated in the drawings. The top of the lower head portion 30 and the under side of the upper head portion 31 are preferably flat to form a tight joint thus hiding the tongue 33 except the front nose portion 34. The front of the lower head portion 30 is provided with eyes 35 and a mouth 36, as plainly indicated in Figs. 2 and 5. It will be noticed that by the arrangement described the upper head portion 31 may be moved transversely on the lower head portion 30 to project the nose more or less to suit the user.

Each of the upper limbs 14 consists of an upper arm 40 and a forearm 41 having an integral hand 42 provided with a slot 43 for

holding the handle of an umbrella, fan or other similar article. The upper arm 40 is provided with a pin 44 terminating in a ball 45 fitting snugly into a transverse bore or a cylindrical opening 46 formed in the upper portion of the upper body section 10, as plainly indicated in Fig. 1. It will be noticed that by this arrangement the upper limbs 14 may be swung into any desired position and held in this position by the frictional contact of the ball 45 with the wall of the bore 46. The inner upper end of each upper arm 40 is provided with a bevel 47 to permit an outward and upward swinging movement of the corresponding upper limb 14. The lower end of each upper arm 40 is provided with a recess 48 into which fits the conical upper end 49 of the corresponding forearm 41 to hold the latter in any desired adjusted position, it being understood that the side walls of the recess 48 form clamping jaws to clamp the conical end 49 securely in place.

The lower body section 11 appears as a skirt but is made of a solid block of wood or other material provided at the under side with two transversely extending slots 50 spaced apart and each adapted to receive the conical shank 51 of the corresponding combined calf and foot member 15. The side walls of the grooves 50 form clamping jaws for securely clamping shanks 51 in place, it being understood that the said shanks may be inserted into the grooves at any point intermediate the front and rear ends. The feet 52 have their soles beveled sidewise in an upward direction the same as the feet shown and described in my previous patent so that further description of the same is not deemed necessary.

From the foregoing it will be seen that the various members of the jointed toy figure can be readily taken apart, reassembled or adjusted in various positions by the user so that the figure represents various artistic, grotesque or other attitudes or poses to suit the user's fancy.

It will also be noticed that when the several members are disassembled they can be readily packed into a small package for convenient transportation or storage.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

1. A jointed toy figure provided with a body made in upper and lower sections pivotally connected with each other to permit of setting the said sections forwardly at an angle one relative to the other, means on the said sections limiting the rearward swinging movement of the said sections.

2. A jointed toy figure provided with a body made in upper and lower sections pivotally connected with each other to permit of setting the said sections at an angle one

relative to the other, the bottom of the said lower section being provided with spaced transverse grooves, the walls of which form clamping jaws, and combined calf and foot members having conical upper ends engaging the said grooves to be held therein by frictional contact of the jaws.

3. A jointed toy figure provided with a body made in upper and lower sections, said upper section being provided at the lower end with a recess, the said lower section having at its upper end a tongue fitting the said recess, and a sidewise extending pivot connecting the said lower end of the upper body section and the said tongue of the lower body section together to allow the said body sections to be set at an angle one relative to the other.

4. A jointed toy figure provided with members movable one relative to the other, one of the members having a cylindrical bore and the other member having a ball snugly fitting the wall of the said bore to allow of moving the members into a desired angular position one relative to the other and to hold the members in the adjusted position.

5. A jointed toy figure provided with a body having a fixed neck terminating in an integral ball, and a head provided in the under side with a cylindrical recess the wall of which is engaged by the said ball to allow of adjusting the head into a desired position and to hold the head in place by the frictional contact of the ball with the wall of the recess.

6. A jointed toy figure provided with a head made in upper and lower sections, of which the upper section is transversely slidable on the lower section and means holding the said upper and lower sections against sidewise displacement.

7. A jointed toy figure provided with a head made in upper and lower sections, the lower section being provided on top with a transverse groove and the upper section being provided on the under side with a depending tongue slidably fitting the said groove.

8. A jointed toy figure provided with a head made in upper and lower sections, the lower section being provided on top with a transverse groove and the upper section being provided on the under side with a depending tongue slidably fitting the said groove, the forward end of the said tongue projecting beyond the face of the lower section and forming the nose for the head.

9. A jointed toy figure provided with a body having a sidewise extending cylindrical bore in its upper portion, and arms at the sides of the said body and provided with fixed balls snugly fitting the walls of the said bore to allow of adjusting the arms into desired positions and one independent of the

other, and to hold the arms in the adjusted positions by frictional contact of the balls with the wall of the bore.

5 10. A jointed toy figure having a member provided with a flat under side and with spaced transverse grooves at the under side, the side walls of the grooves forming jaws,

and conical leg shanks having integral feet and detachably and adjustably fitting the said grooves to hold the leg shanks in any 10 adjusted position by the clamping action of the jaws.

ELMER J. READ.