April 18, 1939. E. T. MYERS 2,154,635

DOLL FIGURE

Filed Aug. 5, 1935

Fig. 1

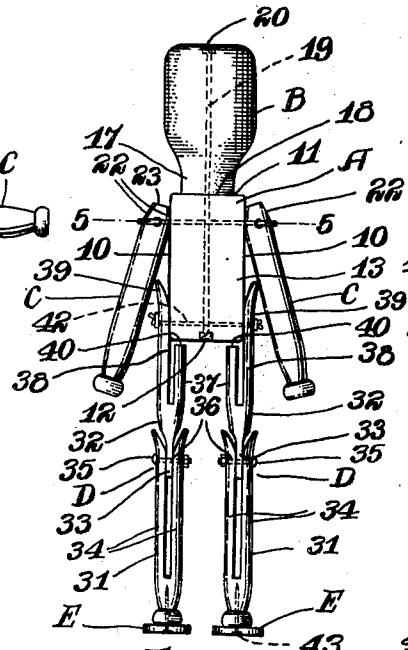

Fig. 2

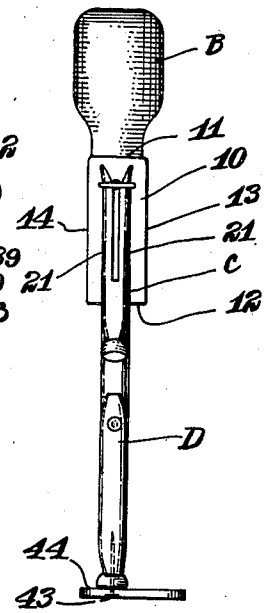

Fig. 3

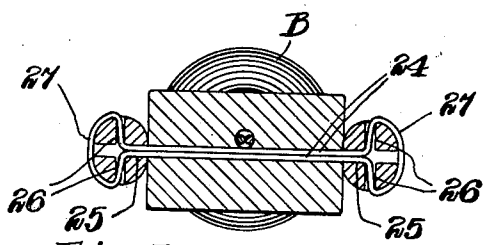

Fig. 5

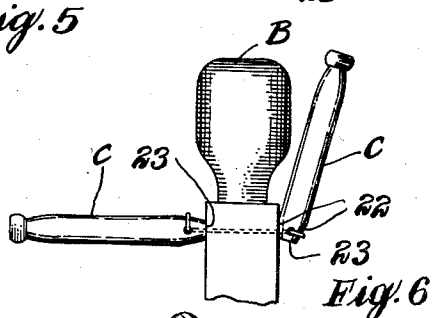

Fig. 6

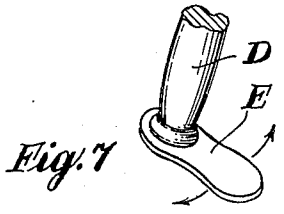

Fig. 7

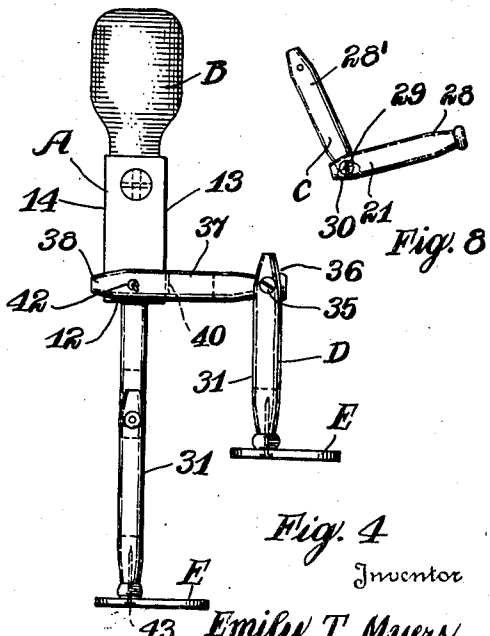

Fig. 4

Fig. 8

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DOLL FIGURE

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Application August 5, 1935, Serial No. 34,702

5 Claims. (Cl. 46—161)

My invention relates to a toy doll which is made up in a manner so that a series of these dolls may constitute an entire family, such as the mother, father, son, daughter, the baby, and any other relatives that may be desired to be represented in this family of dolls. Each doll has the same skeleton structure, but is dressed, and the head is decorated to indicate the individual of the family which the doll is to represent.

A feature resides in making the toy doll out of wooden clothespins which are formed with a bifurcated or slit end and the other end of which is formed with a knob or head portion. The skeleton of the doll is made up by providing a wooden block of rectangular formation, having square sides, bottom, front, back, and top portions. The head is a separate member and is adapted to be connected to the body by a resilient member which extends longitudinally through the head from the crown and through the integral neck portion formed with the head and extending longitudinally through the body of the doll.

A feature resides in forming the skeleton of the doll with arms and legs formed of clothespins. In the structure of the arms, bifurcated ends are attached to the body by a resilient member which extends transversely through the same and connects the bifurcated ends of the pins to provide the two arms for the doll. The legs may be formed by connecting two of the clothespins to form an adjustable knee joint by attaching the bifurcated end of one clothespin to the head end of another by an adjustable bolt means. A foot portion is provided on the lower or calf end of the leg by adjustably attaching a flat, broad foot member to the head of the pin. The upper or thigh portion of the leg which is formed by the upper clothespins may be resiliently connected to the body by a transverse resilient member extending through the body portion. The inner portion of the bifurcated ends of the thigh pin may be cut away with a square shoulder to form a means of adjustably supporting the leg in relation to the body.

My doll is of a simple nature and is made up by using clothespins connected together in such a manner as to permit the doll to be set into different positions of a natural character to simulate an individual, and having means for adjustably positioning the limbs which can be set in postures similar to humans, thereby making the doll very attractive. Further, my doll is provided with broad, flat feet which may be adjustably positioned on the lower end of the leg so as to permit different postures of the feet to be secured, yet providing flat bearing means so that my doll will readily stand up in these adjustable positions.

Further, the dolls may be made of different sizes to represent the different members of the family by using different sized bodies and different sized pins. It is also a feature to provide a doll with a head made of extremely light weight wood, or other light weight material, so that the balance of the doll on its feet will be more perfect in different postures.

There are other features of my doll, together with the structure thereof which will be more fully and clearly set forth in the specification and claims.

In the drawing forming part of this specification:

Figure 1 illustrates a perspective view of my doll, showing the same dressed as a lady to represent the mother doll.

Figure 2 illustrates a front elevation of the body of my doll, without any clothes on the same.

Figure 3 is a side elevation of the body of the doll, undressed.

Figure 4 illustrates another view of the body of my doll undressed, showing a different posture in side elevation from that illustrated in Figure 3.

Figure 5 is a section on the line 5—5 of Figure 2 in the direction of the arrows in enlarged formation.

Figure 6 is a detail showing various adjustments of the arms of my doll, to show relative adjustable positions that the arms can be placed in in relation to the body.

Figure 7 is a detail of one of the adjustable feet of my doll, to show the manner in which the toe end of the foot may be moved in either direction as indicated by the arrows.

Figure 8 illustrates a side view of an alternative construction of one of the arms of my doll, showing two small clothespins connected together to form an elbow joint.

My doll may be formed of wood or other suitable material, and is provided with a rectangular-sided body portion A, a head portion B, arms C, and legs D.

The body A of my doll when formed of wood is provided with the flat side surfaces 10, a flat top portion 11, a flat bottom portion 12, and the front flat face 13 and the back flat face 14.

The head B is formed preferably of a light weight material, such as "balsa" wood, which is light and has a character so that it will make the head B of the proper shape as shown. I have

designed the head with the desirable shape so that it may be used for the mother or father doll, and it is adapted to be decorated with the hair 15, and with the features 16 of the face so as to indicate the sex of the doll as well as the features which would designate the age, such as a child or adult.

The head B is provided with a neck portion 17 which has a lower flat surface 18 which is adapted to normally rest against the top 11 of the body A. This holds the head in the proper position. The head B is held resiliently by the rubber band 19 which extends from the crown 20 of the head longitudinally through the head B and longitudinally through the body A to the lower surface 12. The ends of the rubber band 19 may be formed with a knot or other shoulder portion so as to lock the head resiliently and adjustably in relation to the body A. Thus the head may be turned from side to side or around, into the position desired in adjusting the posture of the doll.

The arms C of the doll are made of clothespins, being of the wooden style of clothespin having a slit or bifurcated clamping end, forming the two end members 21. These ends are cut with square surfaces 22 on the sides and a squared end 23 so that the arms C may be adjusted into the different positions such as are illustrated in Figures 1, 2, and 6.

The arms C may be adjusted so that the squared ends 23 will bear against the flat side 10 as illustrated in Figure 6 and as shown by the left arm C in Figure 1. The arms C may also be set so as to depend as illustrated in Figure 2, with the surfaces 22 bearing against the flat surfaces 10 or with the arm elevated as illustrated by the left arm in Figure 6. The bifurcated end portions 21 of the pins which form the arms C space the squared faces 22 and 23 apart so as to provide a spaced apart bearing surface to hold either of the arms C in set adjusted position.

The arms C are adapted to be resiliently connected by the rubber band 24 which extends transversely through the body A at the shoulders thereof, the band 24 extending through a slot 25 between the ends 21, and then passing through the holes 26, and forming a loop 27 around the outer end of the bifurcated portions 21 as illustrated in Figures 2 and 5. The head end of the pins which form the arms C, are the free ends of the arms and the knob on the end of the pin forms the hand structure for the doll.

The arms may be formed by single clothespins C or may be formed as illustrated in Figure 8, by connecting the clothespins 28 and 28' by an adjustable bolt 29. The head of the pin 28' is flattened on the sides so as to fit between the bifurcated ends 21 of the pin 28 and then the bolt 29 passes through the bifurcated ends of the flattened head connecting the two pins 28 and 28' together to form the elbow joint 30. The pins 28 and 28' may be small in character so as to represent the arms C of the doll with an elbow joint 30.

The legs D are made by connecting the clothespin 31 with the clothespin 32, the pin 31 forming the calf and foot portion of the leg D, while the pin 32 forms the thigh. In the formation of the legs D, the head portions 33 of the pins 32 are made flat so as to fit between the bifurcated ends 34 of the pins 31 and then an adjusting bolt 35 extends through the ends 34 and the head 33 to form an adjustable knee joint 36 for each leg D. This permits the legs D to be adjusted into the desired position.

The thigh portion 32 of each leg is formed by cutting away a portion of the inner bifurcated end 37, while the outer bifurcated end 38 extends to form the hip 39. In cutting away a portion of the ends 37 of the pins 32, a square shoulder end 40 is formed. The square portion 40 provides a shoulder by engaging against the bottom surface 12 of the body A, or the front surface 13, or the back surface 14 of the body A, to hold the leg D in the desired adjusted position. For instance, if it is desired to raise the leg D as illustrated in Figure 4, the same is moved into this position, whereupon the shoulder squared end 40 will engage against the surface 13.

A rubber band or other flexible member 42 extends transversely through the body A and through the hip portions 39 of the legs 32 so as to resiliently connect the legs D to the body A. The binder 42 provides the desired tension to hold the legs D firmly against the body and to form an adjustment which permits the legs to be set in the various natural postures.

Each leg D is provided with a broad flat foot portion E so as to form a bearing surface which makes it easy for the doll to stand up. The foot E is pivotally connected by a suitable nail or screw 43 which extends through the heel 44 of the foot and up into the lower end of the leg D. Thus the foot E can be adjusted in either direction as indicated by the arrows in Figure 7 on the lower end of the leg D, if it is desired.

It will be apparent that my doll may be dressed in any suitable manner, and I have indicated one of these dolls dressed as the mother, in Figure 1, with a dress F of a suitable character, to indicate the mother of the family, who is also illustrated with glasses and a hair dress to indicate her mature age. Another doll may be dressed as the father, having the masculine matured facial features on the head B, and possibly with whiskers or a mustache, not illustrated in the drawing. Another doll may be dressed and made up to indicate the daughter, and another the son, and still another may be made in a small form to simulate the infant of the family. I have made these dolls in this form so as to indicate an entire family and they appear very attractive as well as having the natural appeal, not only to children but all members of the family.

My dolls may be used in any suitable manner and may be given as premiums so that a whole family of these dolls may be collected and they are very desirable for this purpose. The structure of the body of the doll is such as to make it easy for anyone to adjust the same into different natural postures of an extremely interesting and amusing character.

A feature resides in providing a head B for the doll made of light weight wood, such as "balsa", or other light weight wood or material, while the body A is of a heavier nature so as to provide the balancing weight for the doll. The knees of the doll are formed with the necessary frictional engagement by the adjustment of the bolt 35 therein and thus the doll may be adjusted into leaning postures of different characters, including the posture assumed in walking, running, or leaning or bending over. It is not practical to show all of these different postures of adjustment of my doll, but they will be apparent, just as it will also be apparent that the skeleton of the doll may be dressed and decorated to simulate different characters of a family. When dressed up into these different characters, I have found

that my dolls are very attractive and entertaining.

I claim:

1. A doll comprising a rectangular shaped flat-sided body, the sides of which extend parallel to each other, a head adapted to rest squarely on the flat top of said body, a longitudinally disposed resilient member extending through said body and head to connect the same together, arms having a series of adjustable flat faces on the inner ends thereof to support the arms in different adjusted set positions, an adjustable friction elbow joint in said arms, resilient means extending transversely through said body adapted to connect the socket ends of said arms to the body, legs having adjustable friction knee joints and broad, thin, flat feet, a hip shoulder formed on each of said legs for holding the respective legs in different adjusted positions, and resilient means extending transversely through said body for supporting the hip ends of said legs.

2. A doll having a body including a pair of flat bearing surfaces, a pair of arms having tapered inner ends, and flat extremities, and resilient means holding said arms against said flat surfaces so that said arms may extend out at substantially right angles from said body, or may extend at a slight angle with said body.

3. A doll having rectangular body means, and legs secured pivotally thereto, each leg including a bifurcated member, one furcation of which is shorter than the other, resilient means pivotally securing said longer portion to one surface of said body, said short portion engaging another surface of said body to prevent pivoting of said legs.

4. A doll including a body portion, a limb pivotally connected thereto, said body portion being provided with four adjoining surfaces adjacent the point of pivotal connection; said limb being pivoted to one surface substantially midway between two other surfaces, resilient pivot means connecting said limb to said body, and shoulder means on said limb engageable with either of said two surfaces between which said limb is pivoted to prevent pivoting of said limb.

5. A doll including a body portion, said body portion having opposed sides, a front, a back, and a bottom; a limb resiliently pivoted to a side wall at a point substantially equally spaced from said front, back, and bottom; and shoulder means on said limb engageable against either said front, back, or bottom to prevent pivoting of said limb.

EMILY T. MYERS.