

Dec. 6, 1927.

1,651,738

C. STEIN ET AL

DOLL

Filed June 2, 1927

FIG. 1

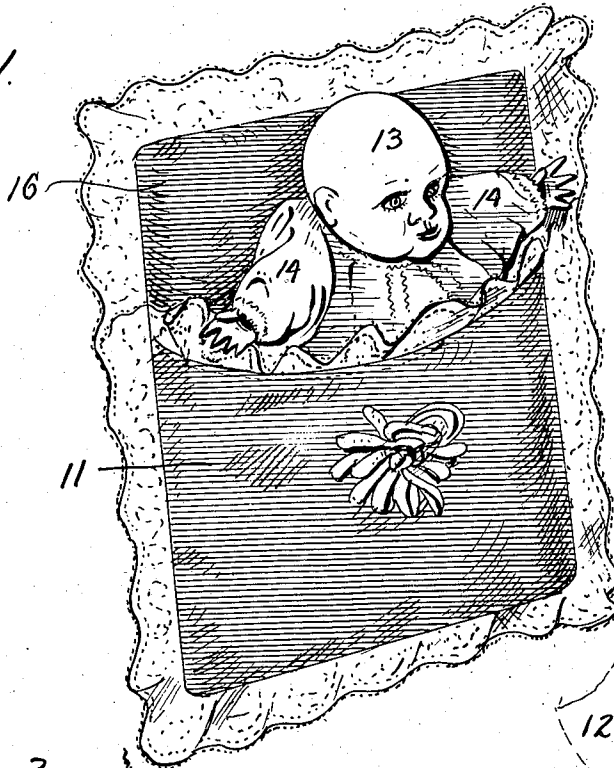


FIG. 2

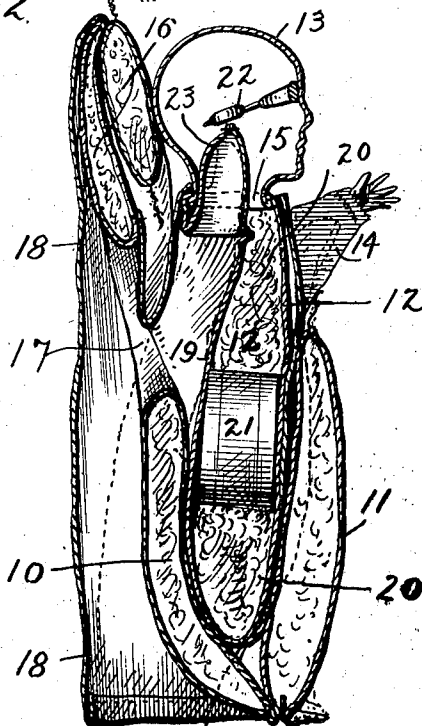
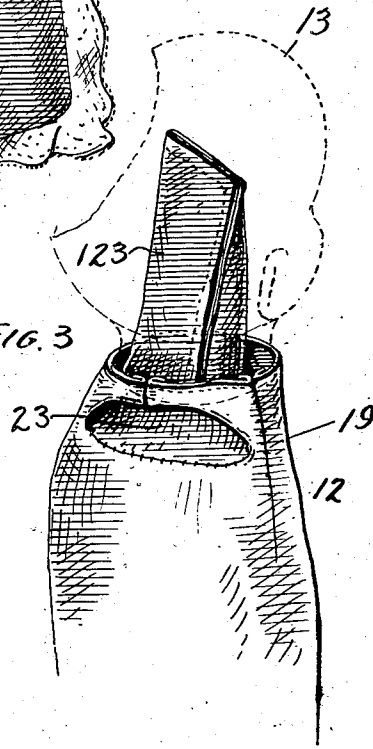


FIG. 3



Inventors

Charles Stein
William M. Heller

384 Chas. Williamson
Attorney

UNITED STATES PATENT OFFICE.

CHARLES STEIN AND WILLIAM M. HELLER, OF ATLANTIC CITY, NEW JERSEY.

DOLL.

Application filed June 2, 1927. Serial No. 198,051.

The object of our invention is to provide in very simple and yet very attractive form, a doll, especially an infant doll, having readily movable members, especially head and arms, which by easy manipulation may be made to strikingly simulate the natural movements by a living infant of the corresponding members.

Our invention consists in whatever is described by or is included within the terms or scope of the appended claims.

In the drawings:

Fig. 1 is a perspective view of a doll embodying our invention;

Fig. 2 is a vertical section thereof;

Fig. 3 is a detail view in perspective of the upper portion of the body-sack.

Briefly describing the embodiment of our invention shown in the drawings, it comprises an infant doll and a bed with pillow or a cushion upon which the doll appears to lie, with the upper part of the body, head and arms exposed above what appear to be covers for the remainder of the body, and such loose or flexible connection between the doll and the pillow or cushion as to permit movements, corresponding to an infant's movements, of the exposed members or parts, either by manipulation of the fingers thrust through an opening provided for that purpose in the bed or cushion, and into contact or engagement with the head and arm members, as well as by mere shaking, when grasping the bed or cushion by the hand.

Describing in detail what is shown in the drawings, there is the imitation of a bed or bedding and a pillow, the bed or bedding comprising a pad, 10 (which in a rough way may be considered as corresponding to a mattress) and a pad, 11, which may be considered as roughly corresponding to the bed clothes or covering, and between these two pads is placed the lower portion of the body, 12, of the doll, the portion of the doll from the waist upwards being exposed above the top edge of the cover-pad, 11, the exposed portion including the doll head, 13, and the two arms, 14, each of which terminates in an open hand, each arm up to the wrist being hollow and flexible, and the head being hollow and having in the neck a hole, 15, through which a finger may be thrust, the doll body, 12, being of flexible material, so that although the head is of rigid material, the head may nevertheless

freely move, either in response to pressure from the inserted finger, or from the slight shaking of the pad-like supports for the doll, and in like manner, the arms with the hands may be moved in simulation of the movement of an infant's arms and hands, by the thumb thrust in one arm and a finger thrust in the other arm, or the arms and hands with the head may be given the desired motion by grasping the supporting pads by the hand and shaking the same. In rear of and extending above the doll head, 13, is a pad, 16, corresponding to a pillow, and this pad, 16, may be a continuation of the lower pad, 10, a space or hole, 17, being left or provided at the back of the doll, so that the hand and fingers may grasp the doll body, 12, and the appropriate fingers thrust in the hollow head and the hollow arms from the rear. Preferably, at the back of the structure and reaching from the top of the pillow down to the bottom of the pad, 10, is a loose flexible cover or curtain, 18, which provides a good finish at the rear and conceals the back of the doll and the pads, 10 and 16, the cover or curtain, 18, being open at the bottom and sufficiently loose so that the hand may be thrust upward from the bottom inside the curtain or covering, when the movements of the doll are to be produced by the fingers thrust into the several members. The fingers not thrust in the members may grasp the doll body to hold the device during the manipulation of the head and arms by the inserted fingers, the body being slender enough for that purpose.

The doll body includes a sack-like container, 19, of cotton or other suitable material, which at the top is secured by sewing or otherwise to the hollow neck of the head, and which is closed at the bottom, and it is an important feature of our device that the body though pliable has sufficient stiffness or rigidity as normally to remain in the upright position with the head touching, or close to the pillow, so that although the upper portion of the trunk and head extend above the top edge of the cover pad, 11, and hence, derive no support from the latter above such top edge, the head and trunk will not loosely fall forward, which would be objectionable, and materially spoil the effect sought by the protrusion of the chest and head above the cover pad. We secure this re-

sult by stuffing the container, 19, with a filling, 20, of cotton or other fibrous or loose material, and also by placing therein a voice-producing device, 21, of familiar construction, the latter being located so that when the doll body is grasped, the sound-producing device, 21, will be grasped in the palm of the hand with the ball of the thumb at the front, so that pressure at front and back may be exerted to cause the emission of sound. Thus, we provide a body that is of long slender shape, that may be readily held in the hand and surrounded by the fingers and thumb with the manipulating fingers and thumb free for the desired movements of head and arms, one that has sufficient flexibility so that the sound-producing device may be operated by pressure of the hand and one which supports the upper portion of the trunk and the head above the top edge of the cover pad with sufficient stiffness so that it will not fall limply forward.

The doll shown in the drawings has movable eyes pivoted as usual, and to which are attached a weighted arm, 22, automatically to swing the eyes to position, and as the interior of the head, especially on account of the eye moving device may be roughly finished, so that the bare finger in contact therewith might be scratched, or the interior of the head injured by too much pressure from the finger, we attach to the neck portion of the body sack, 19, a stall or finger, 23, of cloth into which the finger for manipulating the head is thrust through the opening 123 (see Fig. 3), and thus, the portion of the finger within the head is completely covered. The eyes may be opened and closed by manipulation of the inserted finger contacting with the weighted arm, 22. The finger or stall, 23, limits the extent of thrust of the finger into the head and to that extent safeguards the head parts from injury.

The employment of the finger stall, 23, prevents the existence of a loose or unfinished edge of cloth around the neck hole of the head which would be objectionable because of the likelihood of its being caught by the finger and pulled away from the neck opening.

Should the presence of the finger stall in the doll head prevent the free movement of the eyes in the customary way by laying the doll down or raising it, it can be readily withdrawn from a position within the head where it would have that effect. We, of course, do not limit ourselves to the employment of a doll having movable eyes, nor to the provision of a sounding or voice device, as our invention may be practiced without these features.

By the structure shown in the drawings, and as above described, not only is the simulation of an infant in a bed produced, but the mechanical advantage is secured in the

provision of the members corresponding to the bed members, of giving a substantial support, and one that is sufficiently flexible, so that the desired movement in simulation of the movements of an infant may be produced with the familiar and usual background when an infant lies or reclines in its bed or carriage.

A very desirable feature of our invention is the combination of the infant or baby face and the simulation of the conventional cushion.

The arms of the infant are in reality mere sleeves with hands secured to the sleeves at the wrist, and by making the sleeves of a fabric, such as organdy, the sleeves have sufficient stiffness so that the motions of the arms under the application of the thumb and fingers back and forth have an attractive liveliness, such as those of an infant, in reaching out to a person, and the fabric has sufficient elasticity or spring so that when the fingers or thumb are removed, the arms and hands will fall back and occupy an outstretched position at each side.

As is indicated in the drawings, an ornamental and characteristic appearance may be secured by the use of lace trimmings for the parts which correspond to bedding.

Those parts which require to be secured together may be secured by stitching or by safety pins applied at the necessary points.

What we claim is:

1. A toy that comprises a support with parts corresponding with a pillow and bed covering, and a doll having the head and the upper portion of the trunk exposed above the top edge of the bed covering, and means for supporting the head normally from falling forward when the toy is held in a vertical position comprising a slender body which includes a sack-like container with a flexible filling, said body providing means for holding the doll in operative position, an opening being provided at the rear of the body communicating with the neck to provide for insertion of a finger within the head and a sound-producing device situated to be engaged by the hand grasping the body, said body permitting movement of the head back and forth under force intentionally applied thereto.

2. A toy comprising a doll with an infant-like head and arms, and a support of rectangular cushion form the upper portion of which lies behind the head and arms, and the lower portion covers the lower portion of the doll body, the head and arms being accessible from behind for engagement and manipulation by the hand the doll body consisting of a sack-like container with flexible filling, to the upper end of which the head is attached and thereby supported from falling forward when the toy is held in a vertical position, but allowing back and

forth movement of the head when subjected to pressure by a finger of the hand, the head being hollow for inserting the finger for that purpose, the body providing means for holding the doll in operative position and an opening being provided at the rear of the body for insertion of a finger within the head and the arms being open at the rear to admit of insertion of the fingers for operating them.

3. A toy comprising a doll with a hollow head with an opening at the neck for inserting the finger into the head, a body including a sack-like container with a flexible filling having an opening at the top to which the neck portion of the head is attached, and a finger stall of flexible material joined to said container adjacent the neck and passing through the neck into the head with an exterior opening for the thrusting of the finger into the stall, movable hollow arm members adapted to receive fingers thrust therein for manipulation, and a support comprising a portion in rear of the head and a por-

tion substantially below the head and extending over said body.

4. A toy comprising a doll with a hollow head with an opening at the neck for inserting the finger into the head, a body including a vertically elongated sack-like container with a flexible filling to the top of which the neck part of the head is attached, said body being of a size for grasping by the hand when a finger is thrust in the head, an opening being provided at the rear of the body communicating with the neck for insertion of a finger within the head, movable hollow arm-members adapted to receive fingers thrust therein, a pad-form member extending over and concealing said body with its upper edge below the head and arm members, and being substantially rectangular in contour, and a similar pad-like member in rear of the head and arm members.

In testimony whereof we hereunto affix our signatures.

CHARLES STEIN.
WILLIAM M. HELLER.