

B. GOLDENBERG.

DOLL.

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1,055,458.

Patented Mar. 11, 1913.

Fig. 1.

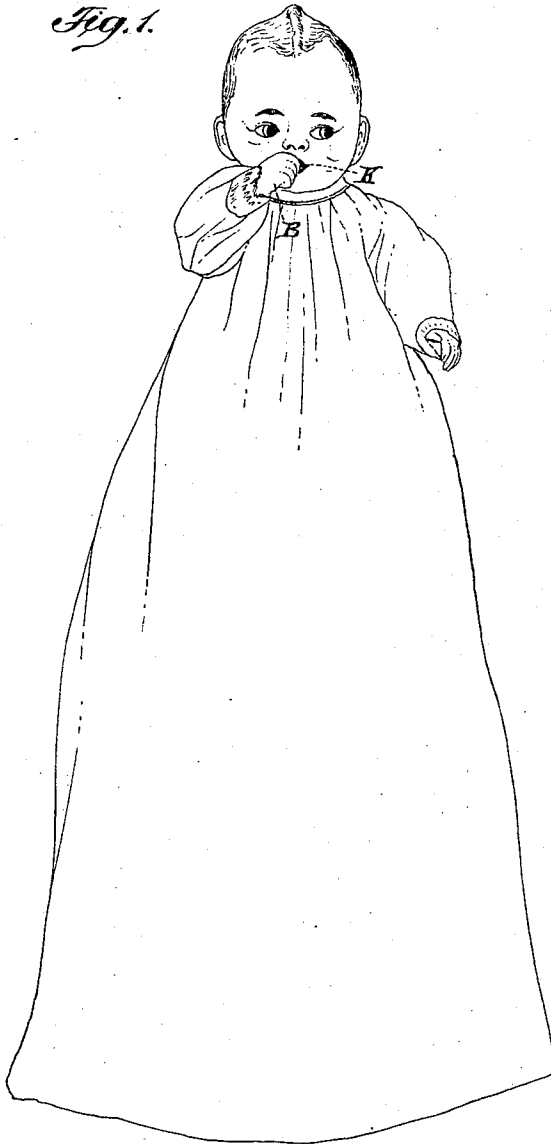


Fig. 2.

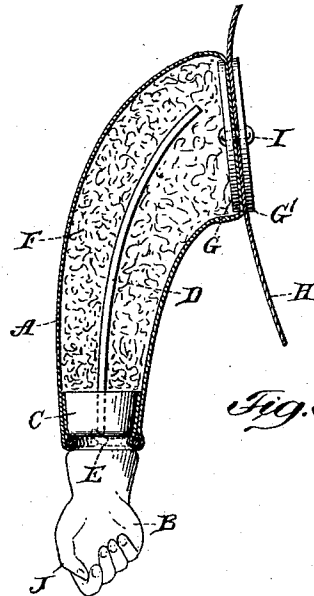
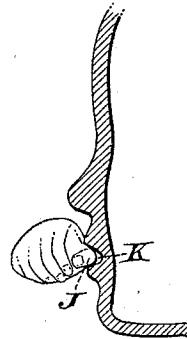


Fig. 3.

Witnesses:
Julius E. Smith
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UNITED STATES PATENT OFFICE.

BENJAMIN GOLDENBERG, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO E. I. HORSMAN CO., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

DOLL.

1,055,458.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, BENJAMIN GOLDENBERG, a citizen of the United States, and a resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Dolls, of which the following is a specification.

My invention relates to dolls and has for its object to construct the limbs thereof in such a manner that they may be manually adjusted to different life like and natural positions and caused to remain fixed in any such position until again manually moved to a different position.

My invention will be fully described hereinafter and the features of novelty will be pointed out in the appended claims.

Reference is to be had to the accompanying drawings in which—

Figure 1 is a front view of a doll embodying my improvements; Fig. 2 is a vertical section of a portion of the head showing a hand in an adjusted position and Fig. 3 is a sectional view of an arm showing a hand and a portion of the body.

In the drawings I have shown my improvement as embodied in an arm of a doll, although it is to be distinctly understood that this is merely a specific illustration and that the improvement is equally well adapted for incorporation in the legs of a doll. The improved arm as shown in the illustration comprises a sack A of fabric or any suitable flexible material shaped to resemble the human arm and having its one end attached to a hand B in the following manner: The sack A in a reversed condition, or in other words inside out, is drawn over the hand B until its one open end is preferably flush with the end of the wrist portion C and the remainder thereof extends beyond said hand B. The one end of a flexible, but substantially inelastic wire D is now wound about said sack S so as to completely encircle and clamp it on the wrist portion C, the said wire being twisted about itself in order to firmly secure it in position, and the free portion thereof extending upwardly from said hand in the general direction of the finished arm. The sack A is now again reversed or brought back to its initial position, or in other words as shown in Fig. 3 in which condition the free portion of the wire D is located within the sack A. In

order to prevent the wire D from slipping from the wrist portion C, I preferably provide an annular groove E which extends about said wrist portion and into which the wire D extends and clamps a portion of the sack A as clearly shown in Fig. 3. This construction also permits the hand and wrist to be turned about its own axis when desired. A filling F of any suitable description is now introduced into the sack A so as to stuff or fill out the same and yet leave said sack capable of being bent to different positions. The opposite or body end of the sack A is now secured to a disk G and clamped to the body H by means of a second disk G' and a rivet or other means I which passes through both disks as shown best in Fig. 3. In this condition it will be seen that the wire D extends substantially throughout the length of the arm and is inclosed by the filling F, its inner end being entirely free and disconnected. The completed arm may now be bent or adjusted to any desired position and will be retained or fixed in any such position by means of the wire D until again adjusted to a different position. For instance, as shown in the drawings, the hand B may be brought to the mouth of the doll which thus has the appearance of sucking, for instance, the thumb. In order to increase this appearance and at the same time give the doll's face and hand a normal appearance when the arm is in position other than the one illustrated the fingers are bent inwardly and the thumb J is bent so as to project slightly beyond the palm of the hand whereby a recess is formed between the thumb and index finger and the mouth K of the doll is slightly open with the upper lip projecting beyond the lower as shown in Fig. 2. When the hand is thus brought to the position illustrated, the thumb J will extend into the mouth K and the upper lip will project into the recess between the thumb and index finger so that when viewed either from the front or in profile the thumb will appear to be entirely concealed in the mouth. This coöperation of the hand and mouth, in addition to heightening the effect will, also, serve to maintain the hand in this position.

In dolls which have heretofore been constructed, it has been impossible to retain or fix the limbs in the precise position to which they may be adjusted owing to the elasticity

of the filling or of the parts which is always sufficient to cause the limb to move slightly away from the intended position. For instance, in the position illustrated with ordinary constructions the hand would move slightly away from the mouth so that the desired effect would be lost. In the present instance the wire D, while being flexible, is substantially inelastic and is sufficiently rigid to overcome the elasticity of the filling or of the parts and to maintain or fix the parts precisely in any position to which they may have been adjusted.

It is, of course, to be understood that the device may be incorporated in dolls other than dolls in which the limbs are stuffed with a filling such as jointed dolls and that the claims are to be construed accordingly.

Various changes in the specific form shown and described may be made within the scope of the claims without departing from the spirit of my invention.

I claim—

1. In a doll, the combination of a body, a limb secured thereto and comprising a main portion and a member located at the end thereof and a flexible substantially inelastic wire for securing said main portion and said member together and having a free portion extending lengthwise and interiorly of said limb for fixing it in an adjusted position.

2. In a doll, the combination of a body, a limb secured thereto and comprising a sack and a member extending into one end thereof and provided with an annular groove, a filling in said sack, and a substantially inelastic flexible wire extending about said member for clamping a portion of said sack in said groove and having a free portion ex-

tending lengthwise and interiorly of said limb for fixing it in an adjusted position.

3. In a doll, the combination of a body, a head provided with a mouth recess having a projecting upper lip, a limb adjustable to different positions, a member secured to said limb and having a portion thereof formed into a projection adapted for insertion beneath said projecting lip whereby said projection has the appearance of being concealed and means located interiorly of said limb for fixing it in an adjusted position and for maintaining said projection beneath the projecting lip.

4. In a doll, the combination of a body, a head provided with a mouth recess, the upper lip of which projects beyond the lower, an arm adjustable to different positions, a hand having the thumb bent to form a projection and a recess between itself and the index finger, said thumb being adapted for insertion into said mouth recess and said upper lip being arranged to enter said hand recess whereby the thumb has the appearance of being concealed in said mouth recess and a substantially inelastic flexible wire arranged to secure said hand and arm together and having a free portion extending lengthwise and interiorly of said arm for fixing said arm in an adjusted position and said thumb and lip in cooperating recesses.

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

BENJAMIN GOLDENBERG.

Witnesses:

JOHN A. KEHLENBECK,

FRITZ ZIEGLER, Jr.