F. BARNARD.

RAG DOLL.

APPLICATION FILED NOV. 29, 1920.

1,399,840.

Patented Dec. 13, 1921.

2 SHEETS—SHEET 1.

FIG. 7.

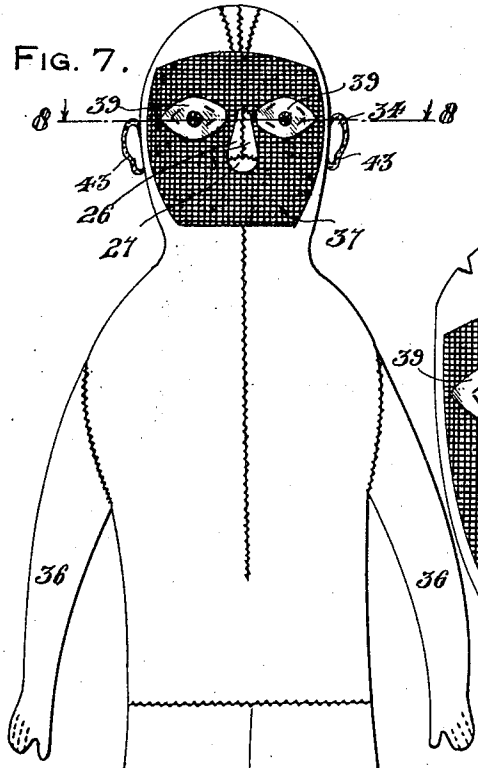


FIG. 6.

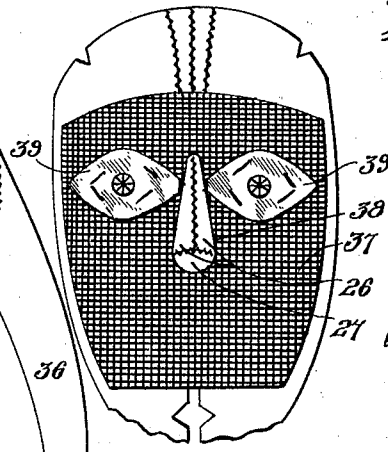
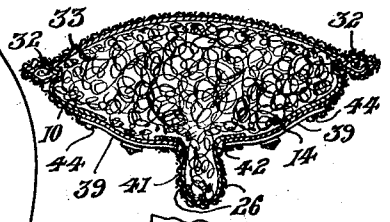


FIG. 11.

FIG. 1.



FIG. 9.



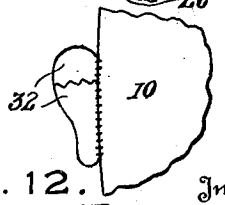
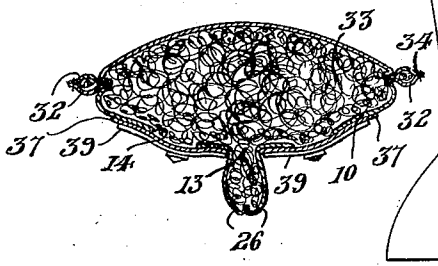


FIG. 12.

FIG. 8



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2 SHEETS—SHEET 2.

FIG. 2.

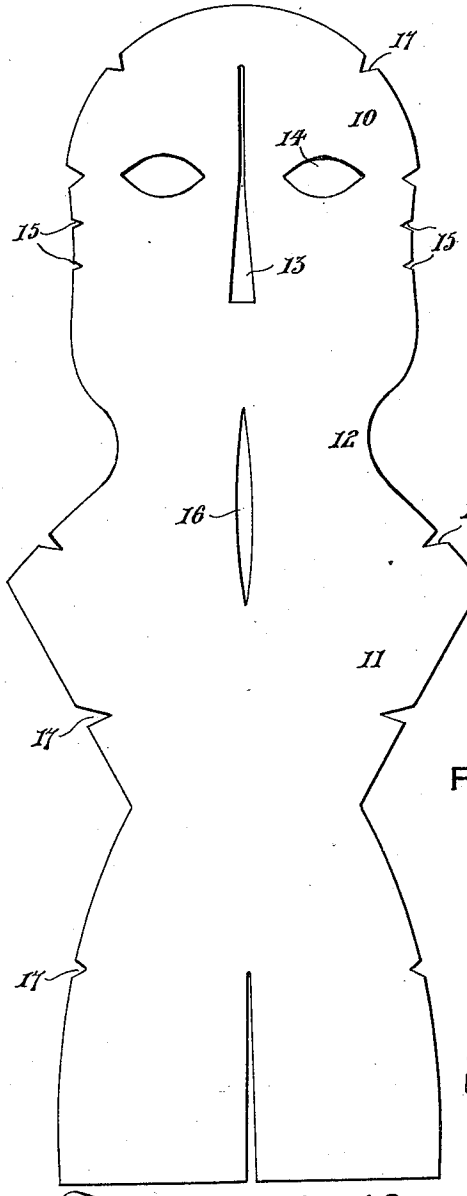


FIG. 3.

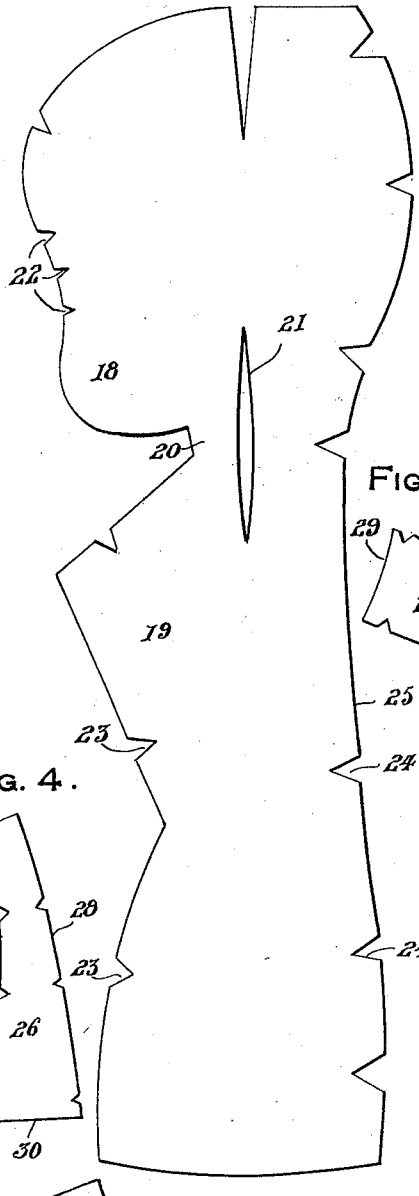


FIG. 5.

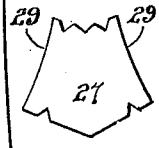
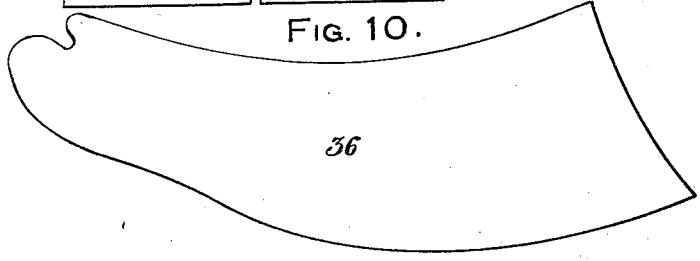


FIG. 4.

FIG. 10.



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UNITED STATES PATENT OFFICE.

FRANK BARNARD, OF LOUISVILLE, KENTUCKY.

RAG DOLL.

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Application filed November 29, 1920. Serial No. 427,017.

To all whom it may concern:

Be it known that I, FRANK BARNARD, a citizen of the United States of America, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Rag Dolls, of which the following is a specification.

This invention relates to dolls and has special reference to a doll of the kind known as rag dolls.

Rag dolls, as commonly constructed, have had their heads formed with the features, such as the nose, ears and eyes simply printed, painted, stamped or drawn on a smoothly rounded surface with consequent failure to produce a life like simulation.

One important object of the present invention is to provide a construction of rag doll wherein the nose and ears will be formed in an improved manner so that they will project from the main portion of the head.

A second important object of the invention is to produce a rag doll of improved construction wherein the eyes will be so constructed as to give a proper simulation of the rounded eyeball with the white of the eye possessing the natural sheen.

With the above and other objects in view, as will be hereinafter apparent, the invention consists in general of certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings and specifically claimed.

In the accompanying drawings like characters of reference indicate like parts in the several views, and:—

Figure 1 is a front view of the completed doll.

Fig. 2 is a view of the strip of fabric from which the front of the head and trunk is made.

Fig. 3 is a view of the strip of fabric from which one-half of the back is made.

Fig. 4 is a view showing one side piece of the nose.

Fig. 5 is a view showing the bottom piece of the nose.

Fig. 6 is a view of the face showing one step in the operation of forming the doll's head.

Fig. 7 is a view showing the doll completed with the exception of the head skin and wig.

Fig. 8 is an enlarged section on the line 8—8 of Fig. 7.

Fig. 9 is a section similar to Fig. 8 showing the stocking material, used to simulate skin, stretched over the head and sewed in position.

Fig. 10 is a half arm piece reduced in size.

Fig. 11 is a half leg piece also reduced.

Fig. 12 shows an ear piece.

Referring now to Fig. 2 it will be seen that the fabric forming the front of the head and body of the doll is, in outline, similar to the trunk and head of a person and that the trunk is defined from the head by a constricted neck portion.

In the figure the head portion is indicated in general at 10, the trunk or body at 11 and the neck at 12. Extending down the middle of the head is a vertical slot 13 corresponding in position to the nose and at each side of this slot adjacent its upper end is a transverse slot 14, these latter corresponding in position to the eyes. On each side of the head 10 are notches 15 corresponding in position to the ears. Below the nose slot 13 is a neck slot 16 and notches 17 are formed at various points on the periphery of the piece in order to form guides for positioning the other fabric strips or pieces as will be explained below.

The back is formed by two similar pieces one of which is shown in Fig. 3, the other piece being of the same size and shape but reversed so that the left side of one piece is the right side of the other. Each of these pieces is, like the front, formed with portions forming a head 18, body or trunk 19 and neck 20, the latter being provided with a slot 21 similar to the slot 16. The head is notched as at 22 to indicate the ear position, the notches corresponding to the notches 15 previously described. Notches 23 are also provided on each back piece corresponding to the notches 17 on one side of the front while notches 24 along the dorsal axis 25 correspond to similar notches in the other back piece so that the two can be properly positioned.

The nose is formed of three pieces, there being right and left hand pieces 26 and a bottom piece 27. The edge 28 of one of these pieces is sewed to the similar edge of the other and the edges 29 of the piece 27 are sewed to respective edges 30 of the pieces 31.

The first step in the construction of the

doll consists in sewing the front and back pieces together around their peripheries, pairs of the ear pieces 32 (Fig. 12) being inserted in the positions indicated by the notches 15 and 22 in such manner that, when the sewed up body and head are turned inside out these ear pieces will project as shown in Fig. 7. This part of the doll is now turned inside out and stuffed as with cotton 33, it being noted that the slots 16 and 21 are sewed up so as to aid in constricting the form of the doll at the neck. The ears, having been stuffed, are closed by peripheral stitching as at 34. The leg pieces 35 and arm pieces 36 are then sewed together in proper pairs, turned inside out, stuffed and attached to the body. The nose is sewed in position and stuffed through the opening 13 before the body is turned inside out so that the stuffing of the body assists in holding the nose stuffing in place.

Over the face is placed a mask 37 having an opening 38 through which the nose passes and before this mask is applied there is sewn thereto lenticular sheets 39 of celluloid, glazed cardboard or the like located in the position of the eyes to form the whites thereof. Each of these eye pieces has sewed to its center a button of jet or the like to imitate the pupil of the eye. By reason of the openings 14 some of the stuffing escapes beneath these eye pieces and causes them to bulge centrally thus simulating the spherical form of the eyeball.

Over the head portion of the doll thus formed is stretched a piece of knit goods 41 such as a stocking leg and a line of stitching 42 is made through the base of the nose and other lines 43 through the bases of the ears so as to define these parts clearly from the rest of the head. This skin covering thus formed is provided with eye openings 44 smaller than the pieces 39 and whipped around the edges to prevent unraveling. The top of the skin covering is then drawn together and a suitable wig 45 secured to the top of the head. Clothing 46 is finally put on the doll thus completing the device.

The doll thus produced has features better simulating the natural features than those produced in the ordinary way.

Having thus described the invention, what is claimed as new, is:—

1. In a rag doll, a head having a foundation of stuffed fabric, said fabric being slit in the position of the nose to allow the stuffing to protrude therethrough, and a nose shaped pocket having an open side and attached to the head foundation with the open side inward whereby to permit passage of the head stuffing into the nose.

2. In a rag doll, a head having a foundation of stuffed fabric, said fabric having slits therein corresponding in position to the eyes, a mask piece covering the face of the head and imperforate over the eye slits, and strips of glazed material secured to said mask over said eye slits to form the whites of the doll's eyes, the stuffing of said head projecting through the eye slits to bulge the center of the strips.

3. In a rag doll, a head having a foundation of stuffed fabric, features attached to and projecting from the foundation, and an elastic covering extending tightly over said head foundation and stitched around the bases of the projecting features.

4. In a rag doll, a head having a foundation of stuffed fabric, said fabric being slit in the position of the nose to allow the stuffing to protrude therethrough, a nose shaped pocket having an open side and attached to the head foundation with the open side inward whereby to permit passage of the head stuffing into the nose, and an elastic covering extending tightly over said head foundation and stitched around the base of the projecting nose.

5. In a rag doll, a head having a foundation of stuffed fabric, pairs of ear pieces attached to the sides of said head foundation and stitched peripherally to provide pockets, stuffing in said pockets, and an elastic covering extending tightly over said head foundation and stitched around the bases of the projecting ears.

6. In a rag doll, a head having a foundation of stuffed fabric, said fabric having slits therein corresponding in position to the eyes, a mask piece covering the face of the head and imperforate over the eye slits, and strips of glazed material secured to said mask over said eye slits to form the whites of the doll's eyes, the stuffing of said head projecting through the eye slits to bulge the center of the strips, said covering having eye openings of less area than the strips to expose the central portions of the latter.

In testimony whereof I affix my signature.

FRANK BARNARD.