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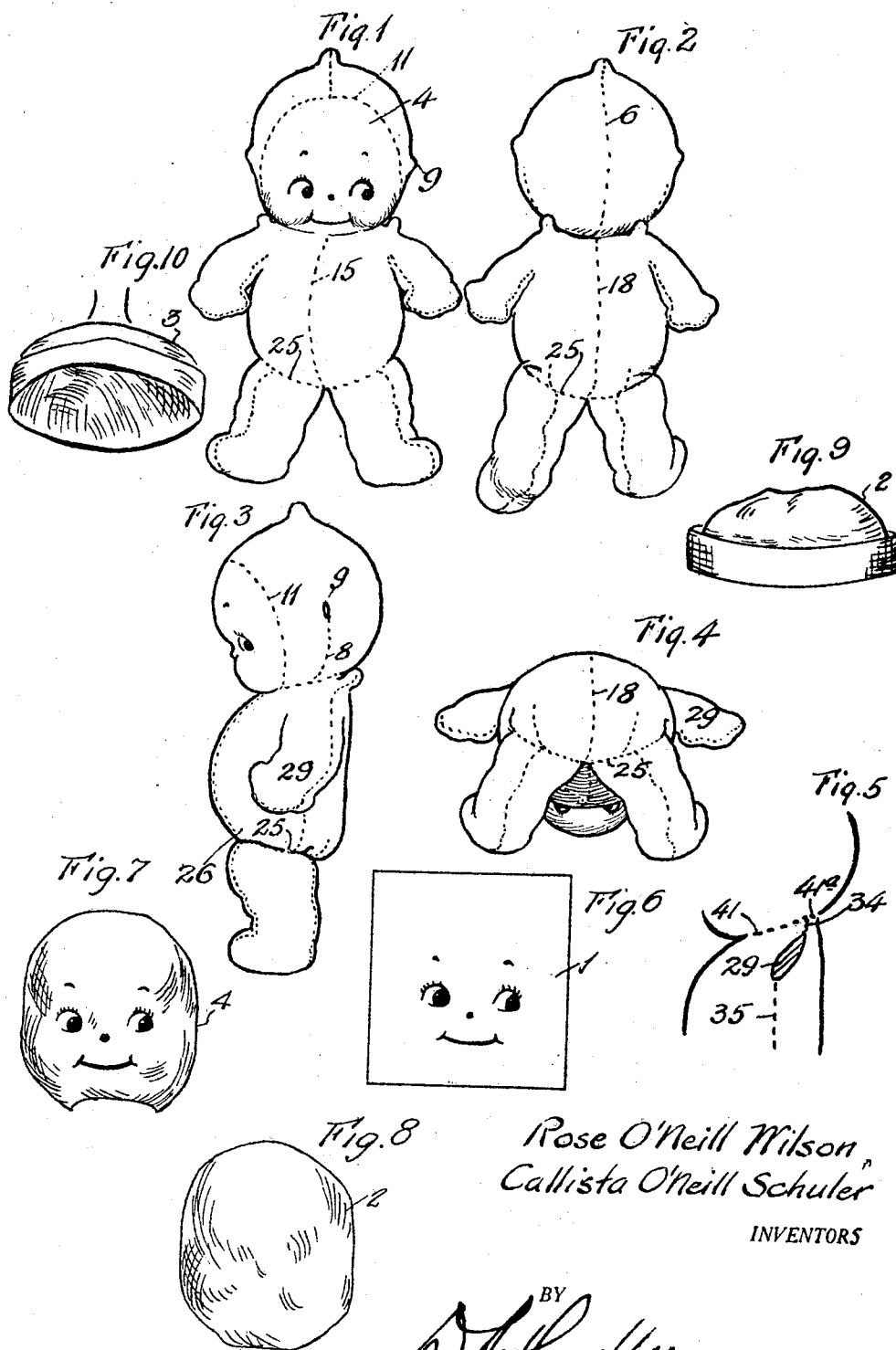
R. O'N. WILSON ET AL

1,785,800

DOLL

Filed Sept. 20, 1927

2 Sheets-Sheet 1



Rose O'Neill Wilson,
Callista O'Neill Schuler
INVENTORS

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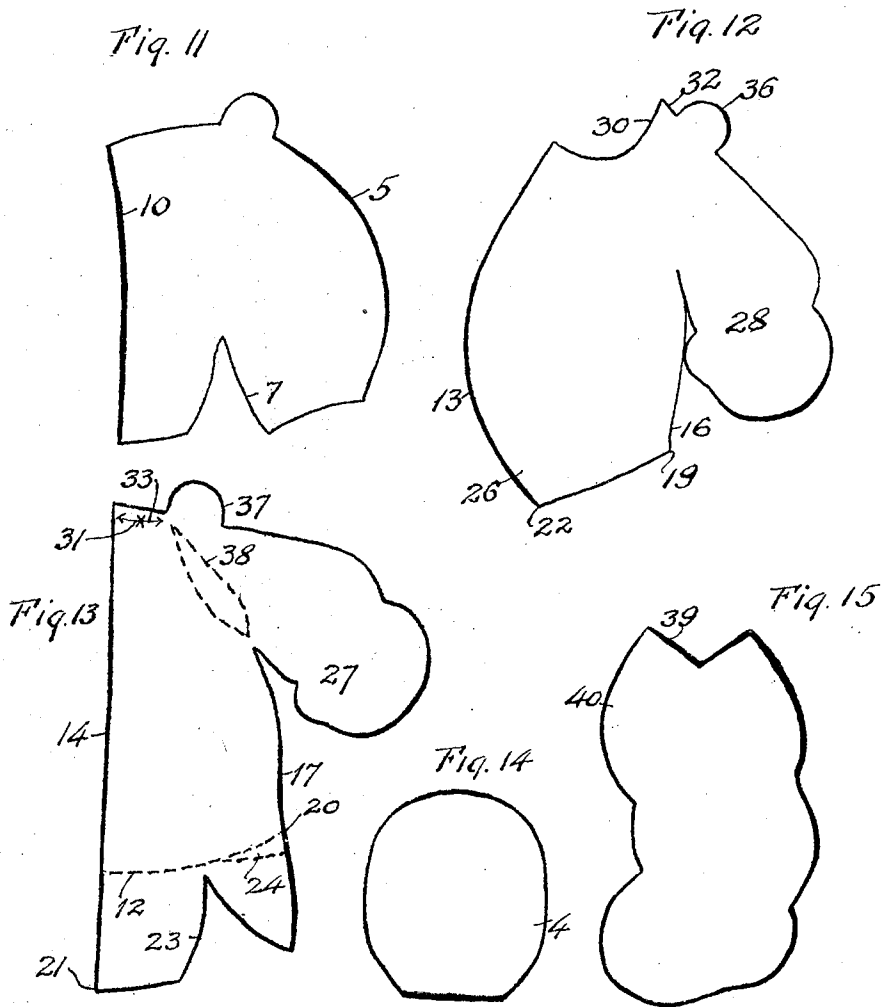
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UNITED STATES PATENT OFFICE

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DOLL

Application filed September 20, 1927. Serial No. 220,713.

Our invention is directed to the economical production of stuffed rag or cloth dolls.

The accompanying drawings illustrate an embodiment of the invention.

5 Figs. 1 to 4 illustrate the completed doll in face, back and side elevation and in rear end elevation respectively;

Fig. 5 is a diagram illustrating certain seams;

10 Fig. 6 represents a printed face;

Fig. 7 represents the same modeled slightly;

15 Fig. 8 is a plan and Fig. 9 a perspective view of a lower die, and Fig. 10 a perspective view of an upper die for modeling the face;

Figs. 11, 12, 13, 14 and 15 are patterns of different parts of the doll.

20 The face is printed flat on a piece of cloth indicated at 1. This is then pressed onto a mold 2 by means of a correspondingly shaped upper die 3. The mold or dies have the features very slightly modeled.

25 The piece of cloth 1 is backed by a sheet of buckram or canvas containing a little starch or other adhesive so that after the face is modeled and dried it will preserve its shape. The modeling is so slight that there is practically no distortion of the printed face, but only of the comparatively wide unprinted marginal portions of the sheet. See Fig. 3. Thus the features and the tinting of the cheeks and other parts may be very economically applied without substantial distortion in the first place, and are practically unchanged by the modeling.

The modeled face is indicated at 4 (Fig. 7). By this method we secure a practically perfect product most economically.

40 The body is also made up of pieces combined in such a way as to give with substantial perfection the figure desired with comparatively few and simple shaping pieces and uniting of the parts.

45 The specific doll represented is the well known "Kewpie", but the invention is generally applicable to dolls of other design as to face and body.

50 The pattern for the back of the head is shown in Fig. 11. There are two pieces of

this shape with a rear edge 5 forming the line through the back of the head and the top knot and united by a seam 6 (Fig. 2). A dart 7 has its edges brought together in a seam 8 (Fig. 3), the pucker at the top forming the ears 9. The front edge 10 of these pieces forms the outline of the face, being stitched to the latter at 11.

55 The body is formed of two front pieces, Fig. 12, and two back pieces, Fig. 13, each including a part of an arm. These are shaped so as to secure a natural position for the arm and also to provide a broad seat so that the doll may rest in a sitting position shown in underside view in Fig. 4. The back pieces are longer than the front pieces by about the distance below the dotted line 12. The edges 13 of the two front pieces are brought together in a front seam 15 (Fig. 1) and the edges 14 of the two back pieces in a central rear seam 18 (Fig. 2). The point 19 of the front matches the point 20 of the back. The edges 16 and 17 of the front and back respectively are brought together in side seams 35 (Fig. 5). The lower portion of the back is then bent over transversely to the front to bring the point 21 of the back to the point 22 of the front. The dart 23 of the back has its edges stitched together. A slight fold 24 is taken up. The edge of the back then extending from 20 to 21 is stitched to the edge of the front from 19 to 22. The seam is indicated at 25, Figs. 1 and 2.

65 The protruding shape of the stomach leaves a sort of hollow space indicated at 26, Fig. 3, so that the legs can be bent forward from the seam 25 without interference, being only spread outward a little as indicated in Fig. 4. The legs are also joined along the seam 25 to make the desired hinge.

90 A special shape of the back and front pieces has been designed to secure a natural position for the arms and to prevent them from standing at an unnatural angle.

95 The back portions 27 of the arms stand out stiffly from the body. But the front portions 28 are drawn close in. When these are united there is a resulting twisting of the arms so as to bring the thumb portions a little forward instead of pointing in the un- 100

natural lateral direction. This position of the completed arm is indicated at 29, Fig. 3.

The upper portion 30 of the front is made very long and the portion 31 of the back, which continues the line of the neck, is made very short, so as to carry the shoulder seam formed by the edges 32 and 33 nearly to the back of the body. This shoulder seam is indicated at 34, Fig. 5, and is a considerable distance to the rear of the side seam 35. The result is to have the arm 29 spring from the rear of the shoulder as it should and extend therefrom forwardly with the thumb at the forward side.

The tabs 36, 37 form small wings on the shoulder. By taking a fold in the back of each shoulder, indicated by the dotted lines 38 in Fig. 13, the arms may be further twisted to secure the forward direction of the thumbs while holding the elbows more closely to the sides. That is, it brings the hand more in the transverse or back-to-front direction.

Each leg is made in two pieces like Fig. 15, one for the outside and one for the inside. The dart 39 has its edges brought together to make a bulging knee 40. The upper edges are then stitched along the line 25, previously referred to, to form a hinge at the seam between the back and front. This seam is near the front of the finished figure. The reduction in the transverse figure at the front permits the legs to bend forward so that the doll can sit, as explained above.

The neck seam is indicated at 41, Fig. 5, the front portion thereof being very long, corresponding to the edge 30, Fig. 12, and the rear portion being very short, corresponding to a part of the edge 31, Fig. 13. That is, the wing portions 36 and 37 being brought together and the edge 32 matching the edge 33, the latter will extend a short distance (31) beyond the former and it is only this short distance which constitutes the seam 41^a, Fig. 5, at the back of the neck. The back of the neck seam, therefore, in rear view will be curved upward at the centre.

The finished doll may be stuffed or filled in any usual or suitable way to produce a soft effect or a more or less stiff effect as desired.

Various modifications may be made by those skilled in the art without departing from the invention as defined in the following claims.

What we claim is:

1. A cloth doll having a printed piece forming the face and having two pieces forming the remainder of the head with a vertical seam along the back, each of said two pieces having a dart in the lower edge at one side with a pucker at the top to form the ears, the front edges of said two pieces being stitched around the piece forming the face.

2. A cloth doll having a printed piece forming the face and having two pieces forming the remainder of the head with a vertical

seam along the back, each of said two pieces having a dart in the lower edge at one side, the front edges of said two pieces being stitched around the piece forming the face, the lower edge of the back portion of the head thus formed being curved upward at the centre, in combination with a body made of rear portions having a very short upper edge shaped to fit said upward curve and stitched thereto and front portions having a long downward curve fitting the remaining part of the lower edge of the head and stitched thereto.

3. A cloth doll having front and back pieces joined on seams, said pieces including arm portions integral therewith, the lower edge of the arm portion of the back piece being separated from the body portion at a wider angle than that of the front piece to cause said arms to point inwardly when joined by seams at their edges.

4. A cloth doll made of front and back pieces each including a portion of an arm, the body part of said front piece being much wider than the back piece, said front and back pieces being united at the body portion by the side and shoulder seams, and said arm portions being united by an inner seam at the thumb side of the arms and extending from said side seam and by an outer seam extending to said shoulder seam, the side seam of said body portion being well forward of said shoulder seam to extend the arm portion toward a natural position with the thumb side forward.

5. A cloth doll made of front and back pieces each including a portion of an arm, the body part of said front piece being much wider than the back piece, said front and back pieces being united at the body portion by the side and shoulder seams and said arm portions being united by an inner seam at the thumb side of the arms and extending from said side seam and by an outer seam extending to said shoulder seam, the side seam of said body portion being well forward of said shoulder seam to extend the arm portion toward a natural position with the thumb side forward, and the cloth at the back of the shoulder in said back piece being taken up so as to cause the elbow side of said arm to lie flatly against the side of the body.

6. A cloth doll made of front and back pieces each including a portion of an arm, said front and back pieces being united in the body portion by side and shoulder seams, said front pieces being longer than the back pieces in the body portion to extend over the shoulder part of the doll and to bring the shoulder seam to a position rearwardly of said side seam, said arm portions being united by an inner seam at the thumb side of the arms and extending from said side seam and by an outer seam extending to said shoulder seam.

7. A cloth doll having a body portion

formed of front and back pieces and having
top edges enclosing the neck portion of the
doll, said pieces having integral arm portions
and being united on side and shoulder seams,
5 the front piece being longer than said rear
piece and having a longer upper edge than
said rear piece to bring the shoulder seam at
the rear part of the neck opening formed by
said upper edges, said arm pieces being united
10 on inner seams extending to said shoulder
seam, said side seam being well forward of
said shoulder seam.

In witness whereof we have hereunto
signed our names.

15 ROSE O'NEILL WILSON.

CALLISTA O'NEILL SCHULER.

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