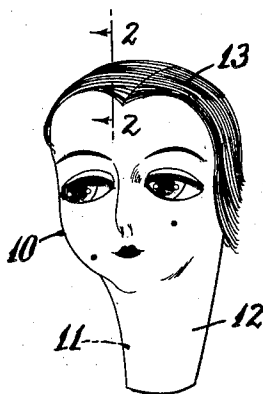FIG 1

FIG 3
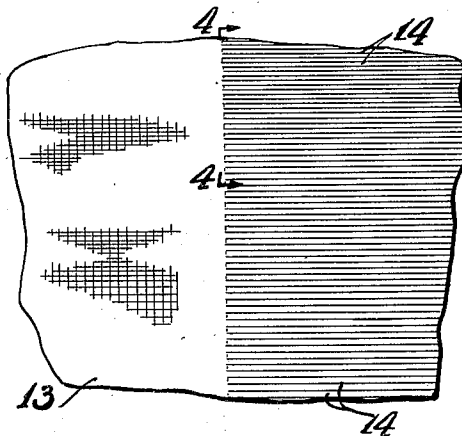
FIG 2

FIG 4
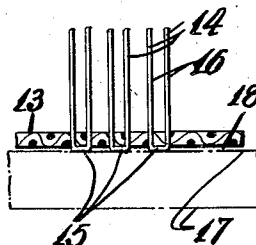
FIG 6
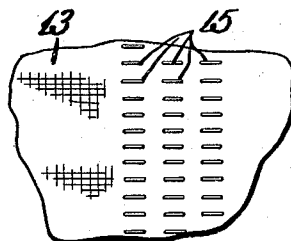
FIG 5
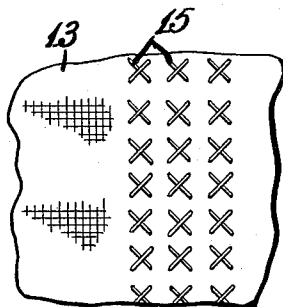
FIG 7

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ARTIFICIAL HAIR FOR DOLLS' HEADS

This invention relates to new and useful improvements in a doll's head and artificial hair for the head.

The invention has for an object the pro-
5 vision of a device of the class mentioned which is of simple, durable construction, dependable in use and efficient in action, and which can be manufactured and sold at a reasonable cost.

10 The invention proposes in combination with a doll's head formed from a form and a knitted fabric glued thereon, a scalp member consisting of the head portion of said fabric, and a plurality of strands of hair
15 on said fabric, each strand being composed of a small central portion beneath the scalp member and held against motion by the glue securing the fabric and form together and integral with end portions extending thru
20 the scalp member.

The invention also proposes a method for the manufacture of a doll's head having artificial hair, and consisting particularly in inserting a plurality of hair strands thru
25 a knitted fabric within a specific area so that small central portions of each strand are disposed beneath the fabric and the ends extend thru the fabric, then glueing the fabric upon a doll's head form so that each
30 hair strand is held against displacement, and finely painting or otherwise producing the features of a doll's head on the fabric.

The invention has for a further object the provision of a method for holding the
35 portions of the strands of hair immediately adjacent the fabric so that they stand up with a small degree of firmness simulating actual hair.

For further comprehension of the inven-
40 tion, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are
45 more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:—

Fig. 1 is a perspective view of a doll's head constructed according to this inven-
50 tion.

Fig. 2 is a fragmentary enlarged vertical sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is a fragmentary enlarged developed view of a portion of the fabric used in 55 forming the doll's head.

Fig. 4 is a fragmentary vertical sectional view taken on the line 4—4 of Fig. 3.

Fig. 5 is a bottom view of Fig. 4.

Fig. 6 is a fragmentary perspective view 60 of a portion of a scalp member constructed according to modified form.

Fig. 7 is a bottom view of a larger portion of the scalp member shown in Fig. 6.

A doll's head 10 has been illustrated, con- 65 sisting of a form 11 and a knitted fabric 12 glued on the form and painted for simulating various facial features as shown in Fig. 1. The invention consists in a scalp member 13 consisting of the head portion of the said 70 fabric 12, and a plurality of strands of hair 14 on said scalp member 13, each strand being composed of a small central portion 15 beneath the scalp member 13 and held against motion by the glue securing the fab- 75 ric to the form and integral with end portions 16 extending thru the scalp member 13.

The head portion of the scalp member as used in this specification may be defined as that portion simulating that portion of one's 80 head upon which hair grows. The strands of hair are so arranged upon the scalp portion that the small central portions 15 are disposed in rows and in lines as may be gathered from an inspection of Fig. 5. While this spe- 85 cific uniform arrangement has been shown, other ones may be used with as equally good results.

In Fig. 4 dot and dash lines 17 indicate the form member 11 and it should be particu- 90 larly noticed that a small space 18 exists between the form member and the scalp member which represents the space occupied by the glue. The strands of hair may be combed so as to assume any position upon the head 95 for simulating different hair styles.

In the method used for the manufacture of the artificial hair and recited at the beginning of this specification, it may be well to describe one process whereby the plurality of 100

hair strands may be inserted thru the knitted fabric so that small central portions of each of the strands are disposed beneath the fabric and the ends extend thru it. This insertion can be accomplished with a needle holding the hair strands as threads and inserted, as is generally known in the needle art, thru the fabric. After the insertion the hair strands may be cut to proper lengths. The gluing of the fabric upon the form of the doll's head automatically sets each of the hair strands in place.

The method for holding the portions of the strands of hair immediately adjacent the fabric to stand up with a small degree of firmness consists in arranging the hair strands in pairs so that the small central portions of each pair cross, and tying the four ends of the pairs together immediately to the top of the fabric. This is shown in Figs. 6 and 7. The pairs of hair strands may be arranged in lines and in rows.

Since each hair strand can pivot about its central portion as an axis so that it may individually seek a lowered position and since the hair strands are arranged in pairs with the axis crossing so that they tend to lay down in planes at right angles to each other, they are restrained from any lowering by the tying. The tying may be accomplished by a piece of hair strand as indicated by reference numeral 20. This method is of particular advantage when it is desired to arrange the hair in a puffy style. In this event it is desirable that the hair stand up to a small degree for permitting the puffy arrangement.

While I have shown and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:—

1. In combination with a scalp member for a doll's head, a plurality of strands of hair on said scalp member, each strand being composed of a small central portion beneath the scalp member and two end portions positioned above said scalp member, said strands arranged in pairs so that the small central portion of each pair cross, and a separate hair strand tied around the four end portions and near the scalp portion of the strands so that each of the strand ends is prevented from pivoting on its central portion by the other strand ends.

2. In combination with a scalp member for a doll's head, a plurality of strands of hair on said scalp member, each strand being composed of a small central portion beneath the scalp member and two end portions positioned above said scalp member, said strands arranged in pairs so that the small central portion of each pair cross, and means on said hair strands for tying the four end portions so that each of the strand ends is prevented from pivoting on its central portion by the other strand ends.

In testimony whereof I have affixed my signature.

VICTOR KENEY.