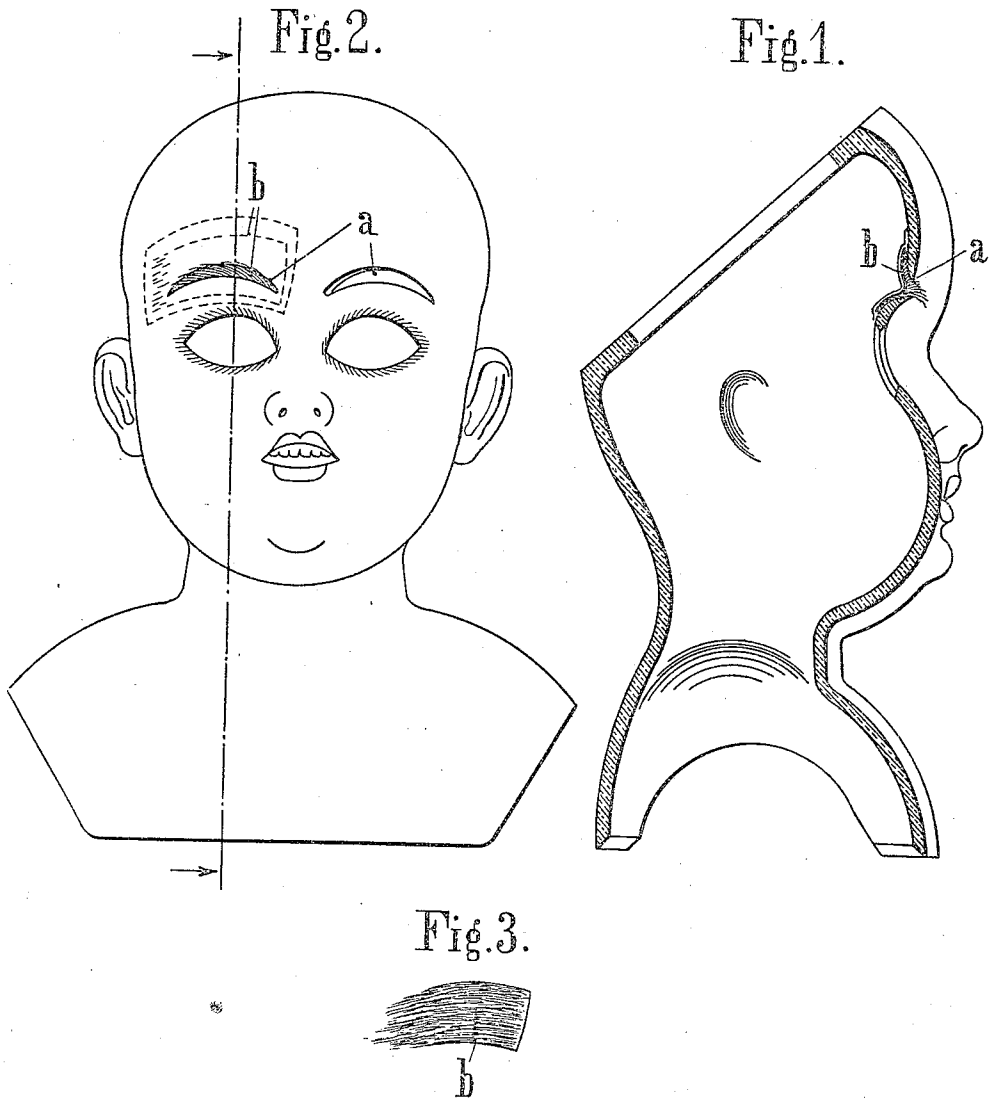


L. STEINER.
DOLL'S HEAD.
APPLICATION FILED OCT. 21, 1909.

952,716.

Patented Mar. 22, 1910.



Witnesses:
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UNITED STATES PATENT OFFICE.

LOUIS STEINER, OF SONNEBERG, GERMANY, ASSIGNOR TO FIRM OF GEO. BORGFELDT & CO., OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

DOLL'S HEAD.

952,716.

Specification of Letters Patent. Patented Mar. 22, 1910.

Application filed October 21, 1909. Serial No. 523,755.

To all whom it may concern:

Be it known that I, LOUIS STEINER, manufacturer, a subject of the German Emperor, and residing at 35 Friedrichstrasse, in the city of Sonneberg, Germany, have invented certain new and useful Improvements in Dolls' Heads, of which the following is a specification.

This invention is embodied in a doll's head in which the haired portions, such as the eye-brows, are provided by haired strips arranged at the rear of perforations or openings in the head with hair projecting through the openings in such manner as to produce the appearance of hair growing on the head, the hair-bearing strip being concealed.

By means of my invention, hereinafter described, I am enabled to produce a very desirable improvement of the appearance of a doll's head by causing the hair to present the natural appearance which will only take place when the hairs in the first place are arranged near enough to each other, and the outlines, that is to say, the blending of the haired spots into the face, cannot be distinguished.

A doll's head embodying my invention is shown on the accompanying drawing, Figure 1 being a front elevation of the head, one side of which is free from hairs, while the other side is provided with an inserted eye-brow. Fig. 2 is a vertical sectional view through one face side of the doll's head. Fig. 3 shows part of the haired strip shown in Figs. 1 and 2.

At those places where it is desired to have the hairs become visible, a single recess or opening *a*, equal to the total area of the hair growth with sharply defined outlines is cut out from a head made of sheet metal, celluloid, porcelain, or the like. Behind this opening *a* a flexible haired strip *b*, which is preferably a piece of hide (Fig. 3), the hairs of which have been cut to a suitable length, is arranged in such manner that only the hairs will protrude through the opening, the strip and such of the hairs thereon as are on the marginal portions of the strip being concealed within the head and secured in po-

sition by means of any suitable adhesive. The rear side may then be painted or covered in any other desired manner.

It will be seen from the foregoing that it is an easy matter to fill the opening or recess *a* with a dense growth of hair by bending the strip, as shown in Fig. 1, and crowding the hairs covering the bent portion closely between the edges of the opening. The strip *b* has sufficient flexibility to enable it to be closely conformed to the internal surface of the head, and to be bent or bulged outwardly, as shown in Fig. 1, the hairs on the bulged portion being closely packed or crowded in the opening. The walls of the opening are stiff and confine the compressed mass of projecting hairs which practically conceal said walls, the effect being like that of hair growing naturally from the eye-brow portion of the head.

What I claim, and desire to secure by patent is:

1. A hollow body, such as a doll's head, having an orifice and a flexible haired strip of greater area than the orifice, and affixed at its margin to the interior of said body in position to cover the orifice, said strip conforming to the internal surface of the body and having hairs on its outer side which project permanently through the orifice and from the outer surface of the body.

2. A hollow body, such as a doll's head, having an orifice, and a flexible haired strip of greater area than the orifice, and affixed at its margin to the interior of said body in position to cover the orifice, said strip conforming to the internal surface of the body and having hairs on its outer side which project through the orifice, the portion of the strip covering the orifice being bent and caused to bulge outwardly, whereby the projecting hairs are closely packed within the orifice.

In testimony whereof I have affixed my signature in presence of two witnesses.

LOUIS STEINER.

Witnesses:

FRIEDRICH AMBERG,
FREDERICK J. DIETZMAN.