

(No Model.)

W. B. CARPENTER.
Method of Coloring the Eyebrows, &c., of
Celluloid Dolls.

No. 235,933.

Patented Dec. 28, 1880.



Attest:

Joseph W. Cross
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Inventor.

William B. Carpenter
By Horace Harris
att'y

UNITED STATES PATENT OFFICE.

WILLIAM B. CARPENTER, OF NEWARK, NEW JERSEY, ASSIGNOR TO HIMSELF
AND CELLULOID NOVELTY COMPANY, OF NEW YORK, N. Y.

METHOD OF COLORING THE EYEBROWS, &c., OF CELLULOID DOLLS.

SPECIFICATION forming part of Letters Patent No. 235,933, dated December 28, 1880.

Application filed May 28, 1880. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. CARPENTER, of Newark, in the county of Essex and State of New Jersey, have invented a new and
5 useful Improvement in the Method of Coloring the Eyebrows, &c., of Celluloid Dolls, of which the following is a specification.

My invention relates to the matter of finishing dolls' heads made from celluloid or other
10 like plastic material; and it consists in the method of working in the eyebrows and other hair-lines, and in giving a natural flesh-like appearance to the face and neck.

The figure is of a doll's head, and shows the
15 lines indicating the eyebrows, &c.

Dolls' heads made of celluloid, when molded, have a glazed or glossy look, making them resemble the crockery dolls. To remove this
20 gloss I use a fine pumice-stone or some similar powder, and this powder rubbed over the face and neck takes off the polish and gives the features the most natural and flesh-like appearance, and the tinting on this surface has the natural bloom of health and beauty. But I
25 have found that, if the eyebrows and other lines indicating hair have been put on, as they usually are, before the powder is used, these hair-lines will be rubbed off by the attrition of the powder; or if these lines are put on
30 after the surface has been abraded, they will show rough and uneven, and be liable in handling the dolls to be worn off. I therefore take

a sharp-pointed knife, and, holding it usually at an oblique angle from the face, make fine incisions in the surface in the places for these
35 hair-lines, and into the incisions I work a coloring of the shade required, which becomes fixed in the incisions, so that no rubbing with pumice-stone in finishing or handling afterward will remove it; and the powder, applied
40 after the coloring has been worked in for the eyebrows, &c., will smooth up and finish the surface, made a little rough by cutting the incisions. These hair-lines may be made much
45 finer and more perfect by means of the incisions than they could be made with a brush or pen. These two steps together make a great improvement on the state of the art in the manufacture of dolls' heads, giving them
50 the most beautiful and natural look, which no other known process will do.

I claim—

1. In finishing up dolls' heads made from celluloid or like plastic material, the use of pumice-stone or other similar powder, substan-
55 tially as and for the purpose specified.

2. The eyebrows, &c., having the hair-lines worked into the surface by means of incisions and afterward finished up with pumice-stone, for the purpose set forth.

WILLIAM B. CARPENTER.

Witnesses:

HORACE HARRIS,
JOSEPH A. ENO.