

T. W. Bracher,

Hat Lining.

No. 110,891.

Patented Jan. 10. 1871.

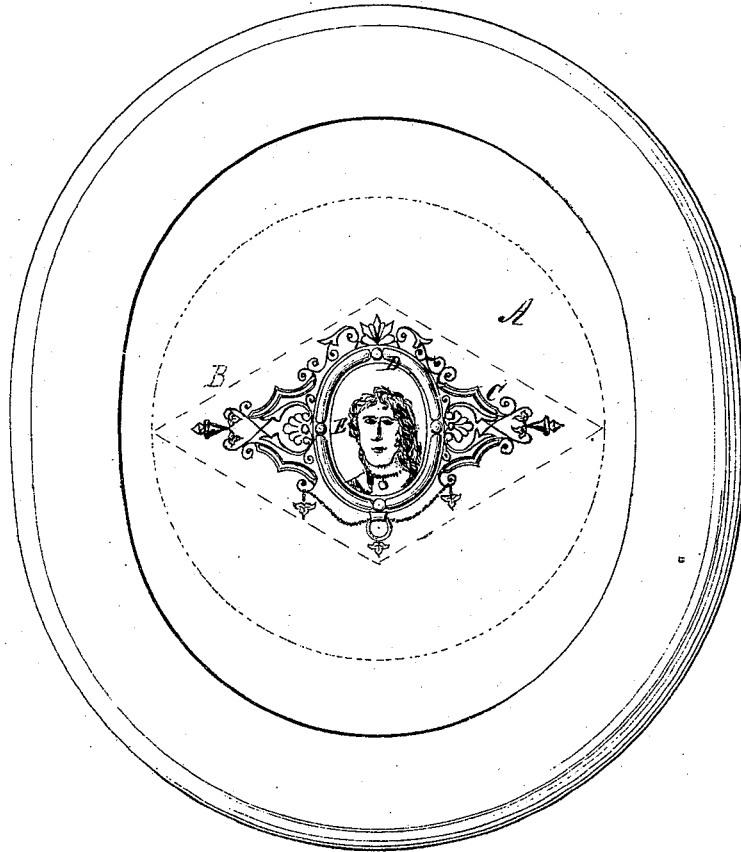
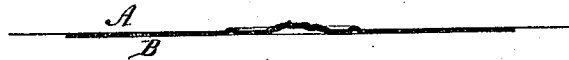


Fig. 2.



Witnesses:

G. Mahler
E. F. Kastenhuber

Inventor.

T. W. Bracher
per
Van Santvoord & Clark
Attys.

United States Patent Office.

THOMAS W. BRACHER, OF NEW YORK, N. Y.

Letters Patent No. 110,891, dated January 10, 1871.

IMPROVEMENT IN EMBOSSING HAT-LININGS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, THOMAS W. BRACHER, of the city, county, and State of New York, have invented a new and useful Improvement in Hat-Linings; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 is a plan view of a hat-lining made according to my invention and applied to a hat.

Figure 2 is a cross-section of the lining.

Similar letters indicate corresponding parts.

This improvement consists in hat-linings embossed with figures, ornaments, or characters, so that the same are produced in relief upon the surface of the lining.

It also consists in illuminating the embossed figures or characters.

In carrying out my invention I take a hat-lining, A, of silk, satin, or other material suitable for hat-linings, and back it at the place where the embossing is to be applied with a backing, B, of paper, cloth, or other fibrous or woven material, interposing size between the lining and backing so as to make them adhere to each other. The object of the backing is to support and fix the image or figure embossed upon the lining.

To the face of the lining I apply metallic foil of the desired color or colors at the proper place, and subject it to pressure between embossing-dies so constructed as to produce the figures, ornaments, or characters of the dies in relief upon the face of the hat-lining.

The upper die is of metal or other material of suitable hardness, and has the parts or figures which are to be embossed or put in relief upon the hat-lining sunken in its face, and I construct the counter-die therefrom by taking layers of pasteboard or other suitable material, which will receive and retain im-

pressions, and subject the same to a series of impressions with the die, until the sunken parts of the die are fully formed thereon in relief, thereby producing a counter-die of an elastic character and at small cost.

I use the embossing-dies also in connection with the ordinary plain type or blocks for printing names or ornaments upon the hat-lining, and in the present example I have combined the embossed impression with a plain printed border, C, which is arranged around the embossed ornaments.

The embossed portions of the design consist in this example of the ring D and of the female bust E.

My invention also consists in illuminating the embossed figures or ornaments by placing leaf of different colors upon the lining where the different parts of the design are to be produced, so that the embossed impressions will be illuminated with two or more colors.

What I claim as new, and desire to secure by Letters Patent, is—

1. The hat-lining A, provided with a backing of paper, cloth, or woven material where the embossing is to be applied, with size interposed between said backing and lining, substantially as and for the purpose described.

2. The face of the hat-lining A, provided with metallic foil, as set forth, when the same is subjected to pressure between embossing-dies, as and for the purpose herein shown and described.

3. Embossed hat-linings, illuminated with two or more colors, by placing leaves of different colors upon the lining where the different impressions of the designs are to be produced.

This specification signed by me this 24th day of September, 1870.

T. W. BRACHER.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.