

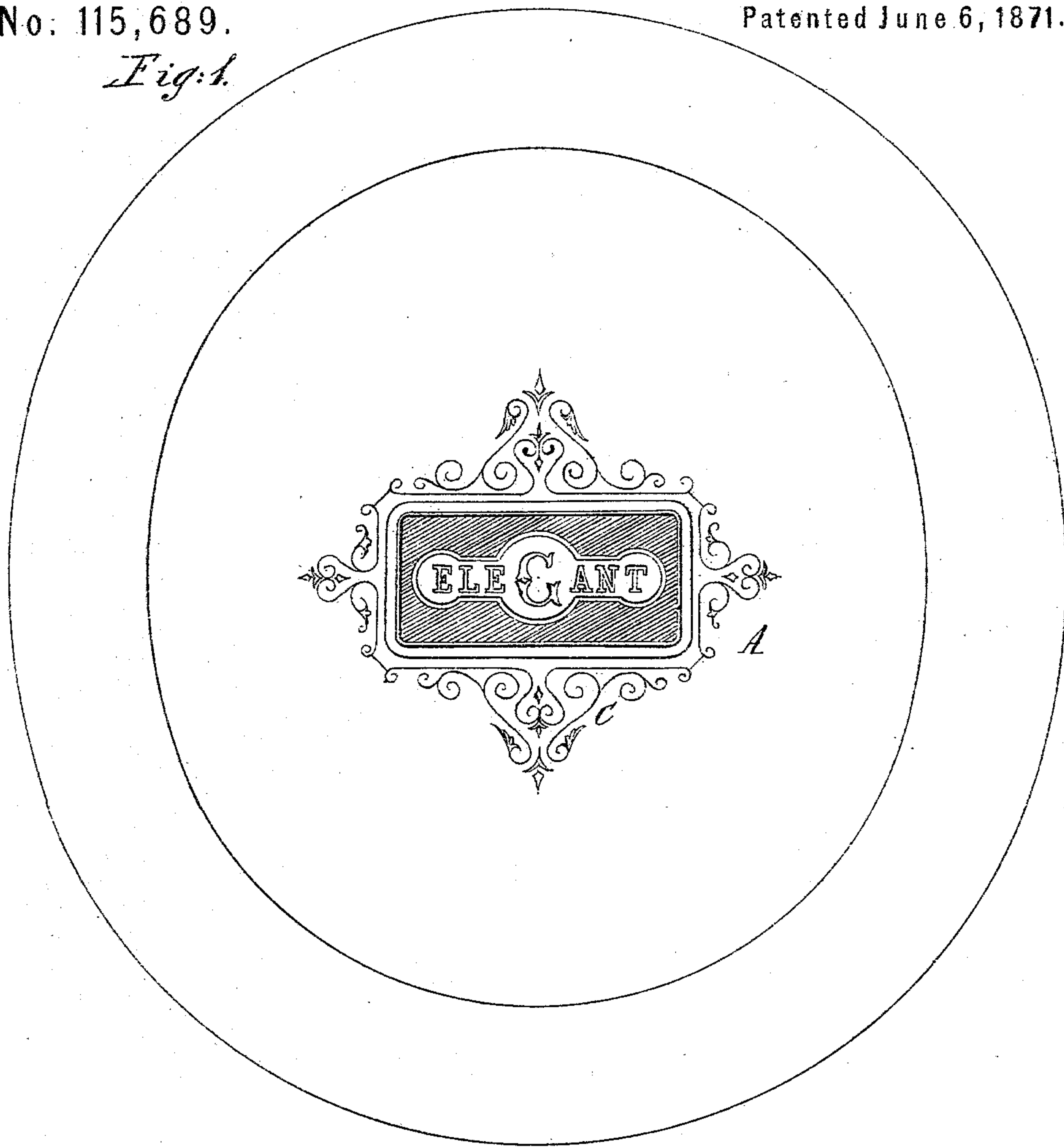
THOMAS W. BRACHER.

Improvement in Ornamenting Hat Linings and Tips.

No. 115,689.

Patented June 6, 1871.

*Fig: 1.*



*Fig: 2.*



*Witnesses.*

*C. Winkler*  
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*Inventor.*

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*per*  
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# UNITED STATES PATENT OFFICE.

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

## IMPROVEMENT IN ORNAMENTING HAT LININGS AND TIPS.

Specification forming part of Letters Patent No. 115,689, dated June 6, 1871.

*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 Tips; 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 face view of a hat lining or tip made according to my invention. Fig. 2 is a transverse section thereof.

Similar letters indicate corresponding parts.

This invention relates to ornamenting or printing linings or tips for hats and caps; and consists in combining leaf-paper, so called, or other suitable material, such as paper or cloth, with hat linings or tips and a covering of metallic foil, and impressing or producing ornamental or other characters thereon by means of suitable dies.

In carrying out my invention I take a hat lining or tip, A, and having sized the part which is to be ornamented, I lay thereon a piece, B, of leaf-paper, so called, or any other suitable flexible material, such as paper, cloth, or other fibrous material, after coating its under side with a suitable cement or adhesive material. The cement which I prefer consists of India rubber dissolved in benzine or other suitable solvent, and I prepare the leaf-paper or other material by coating the same in the sheet with such cement and allowing it to dry, and then cut the sheet of paper or other material up in pieces of the proper size, according to the size and shape of the die to be used. I next place an ordinary metallic leaf or foil upon the lining or tip so as to cover the leaf-paper or covering material, and also as much of the surrounding sized part of the lining as will correspond to the extent of the ornamental border of the die which is used. The drawing shows such a surrounding border, C, produced on the hat lining or tip with the metallic leaf or foil by that part of the die which is

outside of the central part that operates on the leaf-paper. The lining or tip, having received the leaf-paper or other material and the sheet of foil, is next laid upon the bed of the press and an impression is taken from a heated die, which, at the same time that it makes an impression, warms the rubber cement and causes the leaf-paper or other material to adhere to the tip, the interposed sheet of leaf or foil serving to protect the leaf-paper or other material while the impression is being taken, and to prevent it from becoming attached to the face of the die. The tip or lining is next taken out of the press and the loose leaf or foil is rubbed off from the tip. The leaf-paper or other material placed upon the tip makes a bed for the metallic leaf or foil, sustaining the pressure from the dies, and enabling one to produce an inclosed figure on the metallic foil or leaf, which receives from the die a highly-burnished appearance.

Any material which can be attached to the surface of the tip so as to present an even surface can be interposed under the foil or leaf, and I do not restrict myself to leaf or other paper, or to woven fabrics, for this purpose.

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

1. Combining leaf-paper with linings or tips of hats and caps to form a surface or ground for impressions between dies, substantially as described.

2. An embossed hat-lining, having a piece of paper or other material for support interposed between metallic foil or leaf, composing an embossing surface, and the silk or other material that composes the lining, substantially as set forth.

3. Combining metallic leaf or foil with leaf-paper in taking impressions between dies, by interposing such leaf or foil between the leaf-paper and the die, substantially as described.

T. W. BRACHER.

Witnesses:

PAUL Q. FORMONT,  
E. F. KASTENHUBER.