

# UNITED STATES PATENT OFFICE.

HENRY LOEWENBERG, OF NEW YORK, N. Y.

IMPROVEMENT IN THE MANUFACTURE OF IMITATION BRAIDS, TRIMMINGS, &c.

Specification forming part of Letters Patent No. **106,068**, dated August 2, 1870.

*To all whom it may concern:*

Be it known that I, HENRY LOEWENBERG, of the city, county, and State of New York, have invented a new and useful Improvement in the Manufacture of Imitation Braids, Trimmings, &c.; 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.

This invention relates to the production of flexible or elastic casts for forming fac-similes of straw braids, trimming, leather embroideries, and other articles of a similar nature, as hereinafter described.

In carrying out my invention, I take the article from which a fac-simile is to be produced and prepare a mold by casting over it a compound of glue or gelatinous material with oil or glycerine, said compound being of such a nature that the same, when in a liquid state, will enter into all cavities and recesses of the pattern, and when it is set a perfect counterpart of the pattern is produced. If desired, however, the mold may be prepared by other means, such as stamping or engraving; and I do not wish to confine myself to any particular method of preparing the mold.

After the mold has been prepared, I pour into it a solution of glue mixed with oil or glycerine, and before the solution has set, or

almost immediately after the mold has been filled, I pour out the sulphur solution, leaving a thin layer in the mold, which, when taken out, forms an exact fac-simile of the pattern, and which can be used in place of said pattern as an ornament or otherwise.

To prevent the solution of glue from adhering to the mold when the same is made of glue or gelatinous compound, said mold may be treated with chromate of potash or other suitable material.

The casts obtained by my process are flexible or elastic, and can be supported by or fastened to any suitable material, and can be used with advantage on any article of wearing-apparel.

By mixing with the gelatinous solution any suitable coloring-matter casts can be obtained of any desired color.

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

Flexible or elastic casts forming fac-similes of straw braids, trimming, leather embroideries, and other articles of a similar nature formed of the compound and by the means substantially as herein specified.

HENRY LOEWENBERG.

Witnesses:

W. HAUFF,  
C. WAHLERS.