

UNITED STATES PATENT OFFICE.

DANIEL D. SMITH, OF SYRACUSE, NEW YORK.

IMPROVEMENT IN ARTIFICIAL CORAL FOR JEWELRY.

Specification forming part of Letters Patent No. **150,722**, dated May 12, 1874; application filed March 2, 1874.

To all whom it may concern:

Be it known that I, DANIEL D. SMITH, of Syracuse, New York, have invented a new and useful Improvement in Artificial Coral for Jewelry and other purposes, of which the following is a specification:

Many attempts have heretofore been made to form an artificial coral or like substance suitable for ornamental purposes; but, so far as I am advised, it has proved a failure.

After many experiments, and the expenditure of much time and money, I have succeeded at last in producing a perfect imitation of coral and other like substances, suitable for jewelry and other ornaments, in a great variety of colors.

For this purpose I take what is known as gun-cotton, twenty-four parts; five parts gum-copal, ten parts alcohol, one-twentieth part perchloride of tin, one part gum-shellac,

twenty parts ether, one-fortieth part perchloride of gold, one part oxide of magnesium, one-twentieth part protochloride of tin, one part oxide of mercury; the coloring matter to be varied according to the shade required.

This compound, when in a plastic mass, is molded into any desired form, and set therein.

Having thus fully described my invention, I claim—

1. The combination of the materials, and in about the proportions herein described, to form artificial coral, substantially as specified.

2. The artificial coral above described, when colored, impressed, and made into articles of jewelry or other ornamental devices, substantially as hereinbefore set forth.

DANIEL D. SMITH.

Witnesses:

LAWRENCE T. JONES,
J. J. GBEENOUGH.