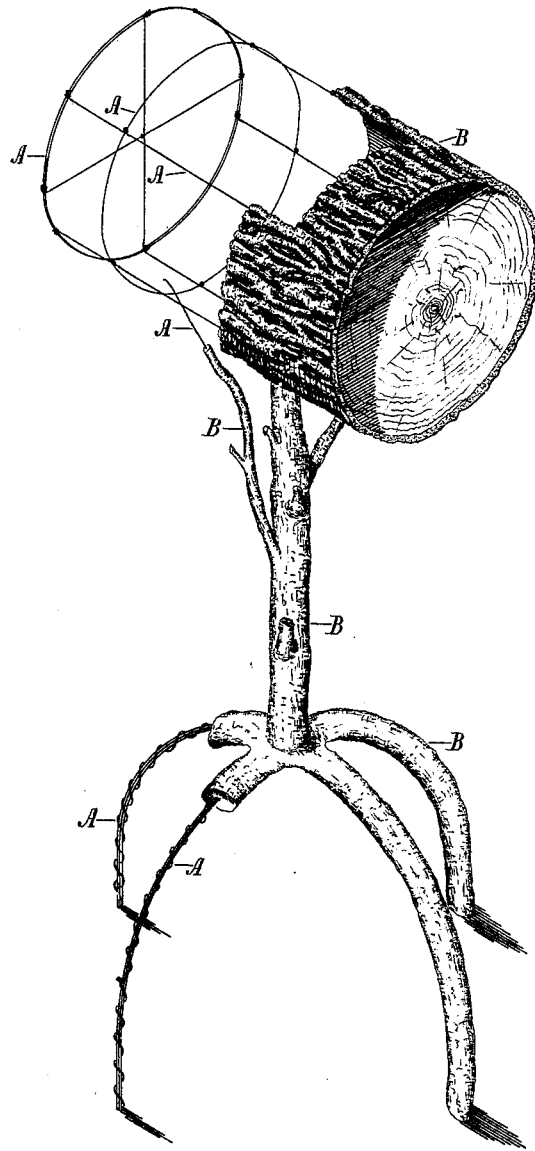


J. W. BRYANT.  
Manufacture of Papier-Maché Articles.  
No. 218,364.      Patented Aug. 12, 1879.



Attest.  
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Inventor:  
*John W. Bryant*  
per

Attorney:

# UNITED STATES PATENT OFFICE.

JOHN W. BRYANT, OF LA PORTE, INDIANA.

IMPROVEMENT IN THE MANUFACTURE OF PAPIER-MACHÉ ARTICLES.

Specification forming part of Letters Patent No. **218,364**, dated August 12, 1879; application filed January 24, 1879.

*To all whom it may concern:*

Be it known that I, JOHN W. BRYANT, of the city and county of La Porte, and State of Indiana, have invented a new and useful Improvement in the Manufacture of Papier-Maché Articles, of which the following is a specification.

The invention relates to the use of wire, iron, or any flexible rods in obtaining any irregular or desired form in the manufacture of all kinds of useful and ornamental articles in papier-maché.

Heretofore the form of articles manufactured in papier-maché has been obtained (as far as I am aware) in the following manner: first, sheets of paper pasted together over variously-shaped cores and dried, after which the cores are used again; second, paper-pulp pressed into shape between dies or molds; third, by building the papier-maché around wooden cores.

The first two methods are objectionable, as they require the use of cores, molds, or dies, and limit the manufacturing to a very few kinds of articles.

The object of my invention is to obtain easily and at small expense the form or shape

of any desired article in papier-maché without the use of dies, molds, or wooden cores.

The invention consists in making a framework of wire, iron, or any flexible rods in the general shape or form of the article desired to be manufactured, around which the papier-maché composition is built or molded. The skeleton-frame of wire or rods assists in getting the form of the article desired to be manufactured, and holds it in shape while drying, and gives it strength when finished.

A frame-work is first constructed of wire or flexible rods in the general form of the article desired to be manufactured, as represented in my drawing, (marked A A.) The papier-maché composition is then built or molded around the wire or rods, as indicated by B B in drawing, forming the article desired.

What I claim is—

The use of wire and flexible rods, or either, as a frame or ground work in the manufacture of papier-maché, as above.

JOHN W. BRYANT.

Witnesses:

H. C. SHANNON,  
S. L. TRIPPE.