

UNITED STATES PATENT OFFICE.

FRANCIS BODINE, OF PLYMOUTH, ASSIGNOR TO M. D. HARTER, OF MANSFIELD, OHIO.

METHOD OF TREATING PULP AND THE RESULTANT MATERIAL.

SPECIFICATION forming part of Letters Patent No. 256,872, dated April 25, 1882.

Application filed December 16, 1881. (No specimens.)

To all whom it may concern:

Be it known that I, FRANCIS BODINE, of Plymouth, in the county of Richland and State of Ohio, have invented new and useful Improvements in the Method of Treating Pulp and in the Resultant Material, of which the following is a specification.

My invention consists in saturating pulp made from wood, straw, paper, or other suitable material with linseed or other vegetable or drying oil, either alone or mixed with paint or other suitable coloring-matter, and in forming the same into the desired shape for use by rolling, pressing, molding, or in any of the usual processes of treating pulp for adapting it for use for roofing, siding, or paneling purposes, for finishing interiors of houses, for the manufacture of various articles ordinarily made of wood—such as moldings or ornaments—and also for plates or blocks for engraving.

The wood, straw, paper, or other material is reduced to the form of pulp in any suitable manner, and the pulp is then thoroughly saturated with the oil, or oil and paint, after which it is rolled or pressed in sheets or thin plates for roofing and analogous uses—such as covering or veneering for walls or panels—into boards for siding and similar uses, or into blocks, plates, moldings, or ornamental articles, according to the use or purpose for which it is intended; or the pulp may be first rolled, pressed, molded, or otherwise brought into the required form for use, and then saturated with the oil, or oil and paint, the object being to effect a thorough saturation of the pulp with the oil. The resultant material is hard, tough, and durable. It is also water-proof, and is susceptible of receiving a high finish, when desired, and is found in practice to be admirably adapt-

ed to the several uses named, and to various other purposes for which wood is ordinarily employed, and, being taken in the form of pulp, can be readily molded or otherwise brought, under any desired pressure, into the exact form, adapting it to the use for which it is intended.

I do not wish to be restricted to any particular method of reducing the material employed to pulp, nor of rolling, molding, or pressing the pulp into the desired form for use, as any usual or known process may be employed for these purposes, and for roofing purposes it may be found sufficient to spread or apply the saturated pulp with a brush in the ordinary manner of applying roofing-paint; nor do I wish to be restricted to any given temperature during the process of combination or manufacture; but,

Having now described my invention, I claim—

1. Pulp made from wood or other suitable material and saturated with oil, for the purpose and substantially as described.

2. A material composed of pulp made from wood or other suitable material, saturated with a drying-oil, and rolled, pressed, or molded into the desired form for use.

3. A material for roofing, paneling, and other purposes, composed of pulp saturated with oil, in combination with coloring material for giving any desired color or shade to said material when reduced to the required form for use.

In testimony whereof I have hereunto set my hand this 14th day of December, 1881.

FRANCIS BODINE.

Witnesses:

H. DRENNAN,
T. J. WEBBER.