

UNITED STATES PATENT OFFICE.

FRANKLIN M. BUELL, OF TRUXTON, NEW YORK.

IMPROVED METHOD OF PROTECTING WOOD.

Specification forming part of Letters Patent No. 53,267, dated March 20, 1866.

To all whom it may concern:

Be it known that I, FRANKLIN M. BUELL, of Truxton, in the county of Cortland and State of New York, have invented a new and useful Method of Protecting Wood from Moisture and Decay; and I do hereby declare the following to be a full, clear, and exact description thereof.

The nature of my invention consists in coating the surface of wood which is to be exposed to moisture or to the action of the elements with a paste composed of finely pulverized talcose or slate-rock, or its equivalent, and good water-lime mixed together in the proportions, say, of about two parts of slate to one of lime, to which is added the requisite quantity of coal or gas tar, or any other suitable oil or gummy substance to form the mass into a paste, so that it may be evenly and uniformly spread over the wood. This paste will, when properly applied, fill the pores of the wood at the surface, and when dry form an adhesive coating impervious to moisture.

In all cases where the wood is to be buried, or partially buried, in the earth, as with fence and telegraph posts, it will be found peculiarly advantageous because of its permanency, and by forming an air and water-tight casing around the wood will prevent the decomposition of its fibers and render it exceedingly durable. The

cheapness of this improved method of protecting the wood and its entire efficiency render the invention of great value. It can be readily applied by any one, and the materials can be procured in nearly all sections of the country.

In the construction of fences the bottom of the post is to be first coated up to a point which will be above ground when the post is set, as it is at the point where the post projects above the surface that its decay is most rapid and destructive. If desired, the remainder of the post may then be covered thinly with the paste and the boards nailed on thereto over the coating while it is yet soft and plastic.

I do not broadly claim the use of pulverized slate as an ingredient in a paint or paste; but

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

The preservation of wood from decay and the effects of moisture by coating the same with a paste prepared substantially in the manner herein set forth.

As witness my hand this 2d day of December, A. D. 1865.

FRANKLIN M. BUELL.

In presence of—

A. L. McKNIGHT,
H. J. BOSWORTH.