

UNITED STATES PATENT OFFICE.

OLIVER APP, OF BLUE MOUND, ILLINOIS.

IMPROVEMENT IN COMPOSITIONS FOR PRESERVING WOOD.

Specification forming part of Letters Patent No. **219,377**, dated September 9, 1879; application filed February 14, 1879.

To all whom it may concern:

Be it known that I, OLIVER APP, of Blue Mound, Macon county, Illinois, have invented an Improved Process for Preserving Wood; and I do hereby declare the following to be a full and correct description of the same.

My invention relates to impregnating wood and preserving the same by boiling it in a certain chemical compound or mixture of ingredients, all of which will be understood by the following description.

In carrying out my invention it is necessary to provide a suitable boiler to receive the pieces of timber, as fence-posts, fence-rails, ties for railroad, or other timber.

We put into the boiler the following ingredients and mix them thoroughly together: boiled linseed-oil, one gallon; pulverized charcoal, three quarts; whiting, (prepared chalk,) one pound; "Japan drier," (known in trade,) one gill; or, for larger quantities, use the same proportions of these ingredients.

The timber is packed in the boiler and completely immersed in the above mixture, and

then heat is applied and the wood boiled from two hours to eight hours or more, according to the thickness or size of the pieces of wood under treatment and the kind of timber, whether pine, oak, or otherwise, and other circumstances.

Of course it is preferable to have the timber well seasoned and perfectly dry before it is chemically treated.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

The above-described composition of matter, consisting of a mixture of linseed-oil, charcoal, whiting, and "Japan drier," for the purpose of impregnating and preserving timber, substantially as set forth.

The above specification of my said invention signed and witnessed, at Blue Mound, this 8th day of February, A. D. 1879.

OLIVER APP.

Witnesses:

E. HOUSE,
P. M. SEIBERLING.