

# UNITED STATES PATENT OFFICE.

HERBERT ELMER PERCIVAL, OF HOUSTON, TEXAS, ASSIGNOR TO PERCIVAL WOOD-PRESERVING COMPANY, INCORPORATED, OF HOUSTON, TEXAS.

## WOOD-PRESERVING COMPOUND.

No. 891,726.

Specification of Letters Patent.

Patented June 23, 1908.

Application filed October 19, 1907. Serial No. 398,215.

*To all whom it may concern:*

Be it known that I, HERBERT ELMER PERCIVAL, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented a new and useful Wood-Preserving Compound, of which the following is a specification.

This invention relates to wood preserving compounds.

The object of the invention is to provide a novel compound of this character, which shall be thoroughly effective in preserving wood from decay and from the attacks of teredos; that shall be cheap and easily manufactured; and ready of application for use; and in which no particular skill or care will be necessary in its proper employment.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel wood preserving compound hereinafter described and claimed.

The compound consists of a mixture of crude petroleum, dead oil, naphthalene, sodium chlorid, oxid of iron, and rosin.

For the purpose merely of stating a formula, it has been assumed that crude petroleum and dead oil each weigh 16 ounces to the pint. Taking one ounce avoirdupois as the unit of weight in computing the proportions of different parts, the formula is as follows:—crude petroleum, 64 ounces, dead oil, 48 ounces, naphthalene, 24 ounces, sodium chlorid, 8 ounces, oxid of iron, 8 ounces, rosin, 8 ounces. These ingredients are thoroughly mixed, and are applied to the wood, when the same is thoroughly air-seasoned either by painting with a brush, or by

immersing the wood in the compound, which will be contained in an open tank for the purpose, the duration of treatment depending upon the penetration desired.

By the employment of crude petroleum as a base, and which has the power of penetrating the pores of seasoned lumber and hermetically seal them, thus to prevent the introduction of air and moisture, and the elements of decay incident thereto, the germicidal constituents of the compound are conveyed by the petroleum, as a vehicle, into the very heart of the wood being treated. A further advantage accruing from the use of crude petroleum is that it is cheap, easily obtainable, and readily applied in use.

Having described the invention what is claimed is:—

1. A compound for preserving wood consisting of crude petroleum, dead oil, naphthalene, sodium chlorid, oxid of iron, and rosin, substantially in the proportions specified.

2. A compound for preserving wood consisting of the following ingredients in substantially the proportions specified by weight: crude petroleum, 64 ounces; dead oil, 48 ounces; naphthalene, 24 ounces; sodium chlorid 8 ounces; oxid of iron, 8 ounces; and rosin, 8 ounces.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HERBERT ELMER PERCIVAL.

Witnesses:

J. M. LEE,  
J. C. MILLER.