

# UNITED STATES PATENT OFFICE.

GEORG HARTMANN AND OSKAR ALWIN SCHWERDTNER, OF GROSS SCHÖNAU, NEAR  
ZITTAU, GERMANY.

## METHOD OF PRESERVING WOOD.

974,962.

Specification of Letters Patent.

Patented Nov. 8, 1910.

No Drawing.

Application filed January 17, 1910. Serial No. 538,548.

*To all whom it may concern:*

Be it known that we, GEORG HARTMANN, a subject of the King of Saxony, residing at Gross Schönau, near Zittau, in Saxony, Empire of Germany, and OSKAR ALWIN SCHWERDTNER, a subject of the King of Saxony, residing at Gross Schönau, near Zittau, in Saxony, Empire of Germany, have invented a certain new and useful Improved Method of Preserving Wood, of which the following is a specification.

This invention relates to a method of protecting wood against dry-rot and other wood destroying agents characterized by treating the objects attached by such agents or threatened with infection with a solution of sodium-zincate. Such solution is prepared by mixing a solution of chlorid of zinc with caustic soda (sodium hydrate) in excess. For instance we dissolve 300 parts by weight of chlorid of zinc in 1000 parts of water and add to this a solution of 900 parts of caustic soda in 4000 parts of water. By applying two coats of this compound to wood, the same will be protected throughout against the destroying action of dry-rot or other organic wood-destroying agencies, and, if the wood be already attacked, the destroying organism is completely extirpated.

By the combination with sodium zincate

of sodium hydrate in excess, the alkali forms with the chlorin of the zinc chlorid, sodium chlorid or ordinary salt. The presence of the sodium chlorid increases the diffusibility of the sodium zincate and thus renders possible a much better impregnation of the wood.

This method, compared with other methods for the same purpose, has the advantage that it may be carried out at ordinary temperature and that the woodwork or other object treated is in no way rendered unsightly or injuriously affected in any respect.

What we claim as our invention and desire to secure by Letters Patent is:

1. The method of preserving wood, which consists in applying thereto a solution of sodium zincate and sodium chlorid.

2. The method of preserving wood which consists in applying thereto at the ordinary temperature a solution of sodium zincate and sodium chlorid.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

GEORG HARTMANN.

OSKAR ALWIN SCHWERDTNER.

Witnesses:

OSKAR KLUSS,  
FRANZ KÜHNEL.