

UNITED STATES PATENT OFFICE.

JOHN V. BRAUCH AND BENNARD HEMANN, OF BELLEVILLE, ILLINOIS.

COATING FOR NAILS.

SPECIFICATION forming part of Letters Patent No. 696,796, dated April 1, 1902.

Application filed June 13, 1901. Serial No. 64,378. (No specimens.)

To all whom it may concern:

Be it known that we, JOHN V. BRAUCH and BENNARD HEMANN, citizens of the United States, residing at Belleville, in the county of St. Clair and State of Illinois, have invented certain new and useful Improvements in Coatings for Nails, of which the following is a full, clear, and exact description.

Our invention relates to a coating to be applied to nails for the purpose of protecting them against the deteriorating effects of moisture and the elements, to increase their durability and serviceability, and, further, to serve as an aid to the retaining qualities of the nails by causing them to adhere more firmly to the body into which they are driven.

The invention consists in features of novelty hereinafter fully described and pointed out in the claim.

The coating comprises a composition composed of a mixture of crude turpentine and linseed-oil. The percentage of each of the ingredients named may vary according to different conditions; but in practice we have found the best results to be obtained by using the ingredients in the following percentages: linseed-oil, sixty per cent.; crude turpentine, forty per cent. Crude turpentine is the crude product of the pine, oil and spirits of turpentine being extracted therefrom, and which by reason of its resinous properties is especially adapted to use as an adhesive element.

The coating is applied to the nails by immersing them. After the nails have been immersed they are removed from the composition and placed in a suitable drying-kiln.

The nails are permitted to remain in said kiln subjected to a high enough heat to thoroughly dry the coating on the nails and for a sufficient period of time to perfect the drying operation. During the drying operation the action of the heat within the drying-kiln causes the composition of the coating to permeate the pores of the nails and cause the thin film of coating on the exterior of the nails to be thereby firmly held and also closing the pores against the ingress of moisture and consequent deterioration of the nails.

Nails to which our improved coating has been applied are thoroughly protected against the access of moisture and the deteriorating effects of the elements, owing to the fact that they are completely enveloped by the coating. The coating also provides adhesive qualities by which the nails are caused to firmly adhere to the wood or other body into which they are driven, the adhesive qualities of the nails being fully brought out by the friction produced between the nails and the body into which they are driven in the act of driving.

We claim as our invention—

A composition consisting of crude turpentine and linseed-oil substantially in the proportions of forty per cent. crude turpentine and sixty per cent. linseed-oil.

JOHN V. BRAUCH.
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In presence of—
CHAS. SIPPEL,
JOHN SIPPEL.