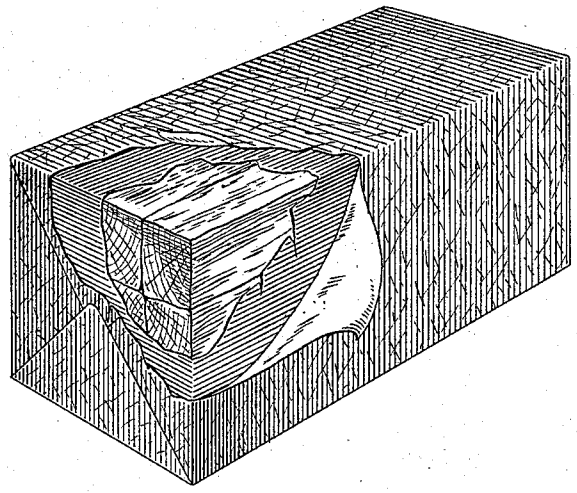
(No Model.)

J. H. FRENCH.

FIRE KINDLER.

No. 270,298. Patented Jan. 9, 1883.



WITNESSES

Wm A. Skinkle

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UNITED STATES PATENT OFFICE.

JAMES H. FRENCH, OF WILLIMANTIC, CONNECTICUT.

FIRE-KINDLER.

SPECIFICATION forming part of Letters Patent No. 270,298, dated January 9, 1883.

Application filed September 7, 1882. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. FRENCH, of Willimantic, in the county of Windham and State of Connecticut, have invented a new and useful Improvement in Fire-Kindlers and Means for Protecting the Same; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, which forms a part of this specification.

My present invention is in the nature of an improvement upon the package for fire-kindlers made by the process secured to me in Letters Patent of the United States No. 243,240, dated June 21, 1881; and it consists in the new and improved package herein described.

The oil-soaked pieces of wood or similar material are wrapped in any suitable wrapper or packed in a box and securely fastened. The package so formed is then varnished with or dipped into a solution of resin in turpentine, or petroleum, or in a kindred oil. This varnish is made by dissolving the resin in the heated oil, as much resin being put into the oil as the latter will dissolve. Any oil will answer the purpose that will, when heated, dissolve the resin, and that will, in addition, keep the resulting solution flexible when cool and not liable to become hard and crack. The mode of application of this varnish to the wrapper and of both to the bundle of oil-soaked pieces of wood may of course be varied without departing from my invention—as, for instance, by applying the varnish to the wrapper before the wrapper is applied to the bundle of wood. In this case the varnish may be applied to the wrapping material in sheets, and such coated sheets used as they are wanted to form the package herein described, the flexible character of the coating enabling the sheets to be applied as wrappers to the packages without injury to or breaking of the coating. This varnish, when applied to the wrapper, forms, with the wrapper, a flexible covering capable of adapting itself to the form of the package without breaking, and a covering that is impervious to the volatile gases arising from the saturated wood; and, again, the whole coated wrapper, when removed, may be used to assist in the kindling.

The accompanying drawing represents a fire-kindler package embodying my present invention. The package there shown has two wrappers, which are represented as partly torn away, each of which wrappers is varnished with the resin solution hereinbefore described, and which is indicated by the shading-lines on the outer surface of each wrapper. I prefer to duplicate the wrapper, as thus shown in the drawing; but such duplication is not essential.

I disclaim what has been secured to me in Letters Patent granted me June 21, 1881, and what I have claimed in pending applications filed May 11, 1882, and September 7, 1882.

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

As an article of manufacture, a package of wood or other suitable material saturated with an inflammable oil, and having a wrapper, as described, said wrapper being coated with a solution of resin in turpentine, petroleum, or a kindred oil, substantially as and for the purposes set forth.

JAMES H. FRENCH.

Witnesses:
W. H. KENYON,
MILLER C. EARL.