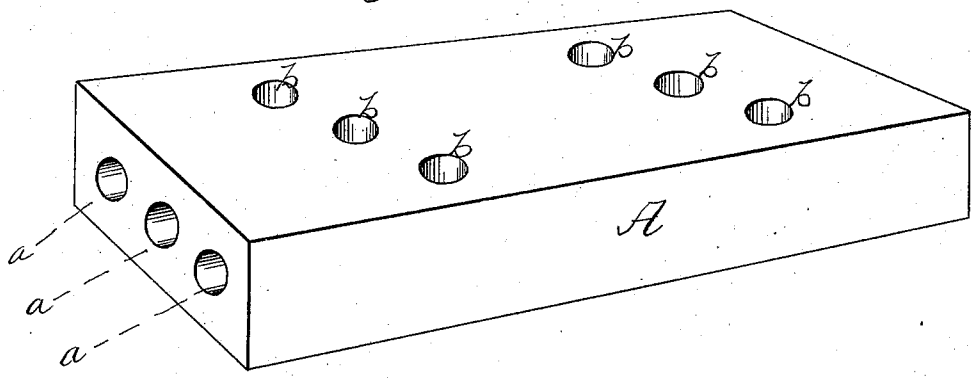
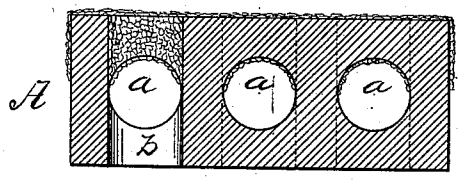
G. W. STOKER.
Fire-Kindler.

No. 214,467. Patented April 15, 1879.

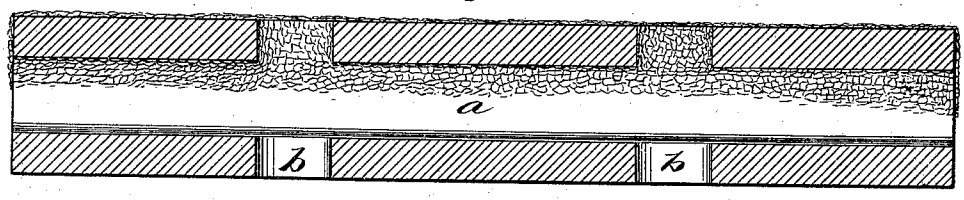
Fig, 1.



Fig, 2.



A Fig, 3.



Witnesses.
Mary S. Ashley.
F. J. Masi

Inventor.
Geo. W. Stoker,
by E. W. Anderson
Attorney.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE W. STOKER, OF MONTAGUE, MICHIGAN, ASSIGNOR OF ONE-HALF HIS RIGHT TO WILLIAM CORTEZ ARNOLD, OF SAME PLACE.

IMPROVEMENT IN FIRE-KINDLERS.

Specification forming part of Letters Patent No. **214,467**, dated April 15, 1879; application filed March 1, 1879.

To all whom it may concern:

Be it known that I, GEORGE W. STOKER, of Montague, in the county of Muskegon, and State of Michigan, have invented a new and valuable Improvement in Fire-Kindlers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of the fire-kindler. Fig. 2 is a transverse section thereof, and Fig. 3 is a longitudinal section of the same.

This invention has relation to improvements in kindling-wood; and the nature of the invention consists in a block of wood perforated longitudinally, provided with transverse perforations opening into the longitudinal perforations, serving as flues, open at the ends, and the whole dipped into melted rosin and coated with sawdust, as will be hereinafter more fully set forth.

In the annexed drawings, the letter A designates a preferably oblong rectangular wooden block, having a number of parallel longitudinal perforations, *a*, bored in it, or otherwise formed therein. *b* indicates transverse perforations, bored or formed in any suitable manner in block A, and extending through the longitudinal perforations *a*. The perforations *b* are usually arranged obliquely, and they each open into one of the longitudinal perforations *a*. The effect of this construction is to honeycomb the billet or block of wood, so that a thorough draft is had through all parts thereof. This block is made usually of seasoned timber, and may be of any desired form and size. This block, perforated or honey-combed, as described, is dipped in melted rosin and coated with sawdust. In this condition the kindler is highly inflammable, the longitudinal and transverse perforations serving as flues to secure a full influx of air through the block whichever way it is placed in making the fire, and will be found of great service in lighting fires in grates, furnaces, and the fire-chambers of steam-engines.

I am aware that a fire-kindling pile or fagot composed of a series of wooden blocks or strips, one above the other, fastened together, and coated with resinous or oleaginous compound and sawdust, is not new; also, that solid pieces of wood dipped into and soaked in a mixture of turpentine and varnish, after which the same are coated with resin and rolled in sawdust, are old. Hence I do not claim such devices.

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

A fire-kindler consisting of a block of wood having communicating longitudinal and transverse perforations *a b* formed therein, to serve as flues, open at the ends, said block being dipped in resin and coated with sawdust, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE W. STOKER.

Witnesses:

OTIS COLWELL,

FRANK H. STRONG.