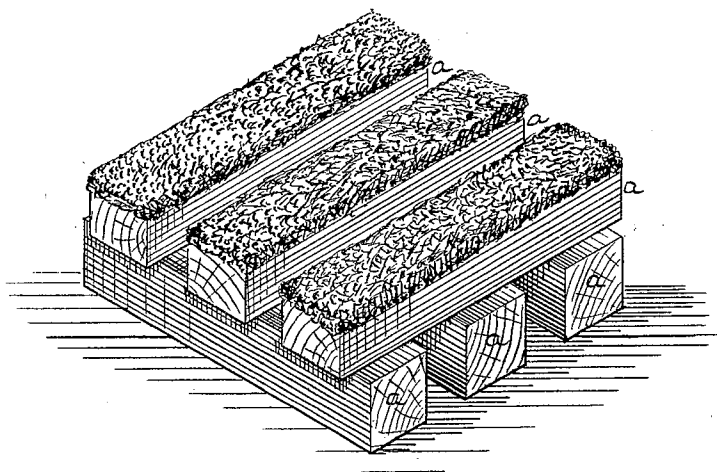


J. C. CRUMPTON.

Fire-Kindlers.

No. 143,066.

Patented September 23, 1873.



Witnesses

Harry Coleman.

Wm. Jewell

Inventor

John C. Crumpton,
by Bakewell, Christy & Kerr.
his Attys.

UNITED STATES PATENT OFFICE.

JOHN C. CRUMPTON, OF ALLEGHENY CITY, PENNSYLVANIA.

IMPROVEMENT IN FIRE-KINDLERS.

Specification forming part of Letters Patent No. **143,066**, dated September 23, 1873; application filed July 18, 1873.

To all whom it may concern:

Be it known that I, JOHN C. CRUMPTON, of Allegheny City, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Fire-Kindlers; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, which represents in perspective a pile or fagot of kindling material as prepared by my improvement.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and manner of use.

I use any suitable wood, preferably yellow pine or other resinous wood. This I cut into blocks or slips of any desired size and length, but preferably of small size—say, an inch thick, more or less—and of such length as will build up a pile of the desired length and width. These blocks or strips I build up into piles, as shown, by laying them on each other, but side by side at a little distance from each other, and preferably in transverse layers, thus securing air-spaces between the blocks. The blocks composing the layers are glued, nailed, or otherwise fastened together, and are coated partially or wholly with a mixture of rosin, paraffine, or heavy oil, or other suitable known composition of like character, and these are

dipped in or sprinkled with sawdust, to promote ease of ignition. They are then ready for use, or, when dry, for sale and use.

The size of the piles will vary with the uses to which they are to be put. They may be made small for stove use, but they are more usefully employed in larger furnaces, such as steam-boiler, locomotive, and other like fire chambers or furnaces, where a considerable amount of fuel is to be fired. For such uses the piles may be made of two or more layers six inches or a foot square, superficial measurement; and where the grate-surface is large they are placed edge to edge over any desired part of its surface, or they may be made larger superficially and of suitable size to be used one to each furnace.

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

A fire-kindling pile or fagot, composed of a series of wooden blocks or strips, fastened together, with intermediate air-spaces, and coated wholly or partially with a resinous or oleaginous compound and sawdust, substantially as set forth.

In testimony whereof I, the said JOHN C. CRUMPTON, have hereunto set my hand.

JOHN C. CRUMPTON.

Witnesses:

JAMES I. KAY,
G. H. CHRISTY.