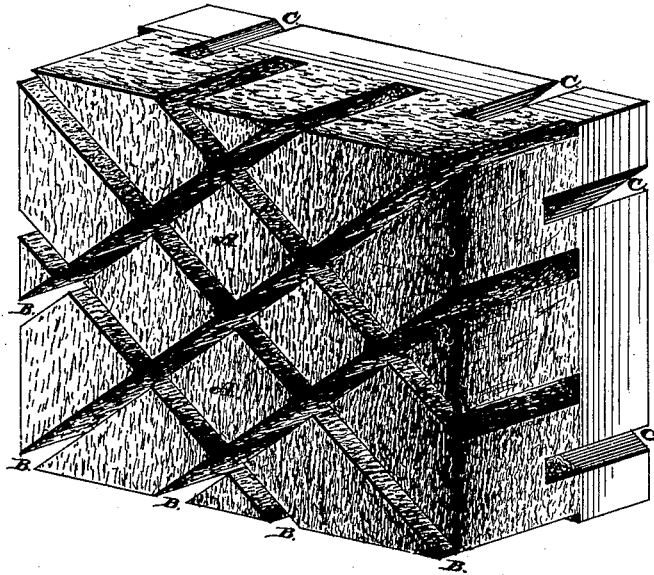


R. B. WHITZEL.

FIRE-KINDLER.

No. 185,413.

Patented Dec. 19, 1876.



Attest:

John W. Davis
Alexander Shambo

Inventor:

Russel B. Whitzel.

UNITED STATES PATENT OFFICE.

RUSSEL B. WHITZEL, OF COLUMBUS, OHIO, ASSIGNOR OF ONE-HALF OF HIS RIGHT TO JOHN SHORT, OF SAME PLACE.

IMPROVEMENT IN FIRE-KINDLERS.

Specification forming part of Letters Patent No. **185,413**, dated December 19, 1876; application filed November 24, 1876.

To all whom it may concern:

Be it known that I, RUSSEL B. WHITZEL, of Columbus, in the county of Franklin and State of Ohio, have invented a new and useful Improvement in Fire-Kindler, which improvement is fully set forth in the following specification and accompanying drawing, and named "Eureka Fire-Kindler."

My invention consists in sawing a block of wood, provided with grooves or air-holes of a peculiar character, which block is dipped in rosin or any other suitable article for the purpose set forth.

Block A is composed of wood of any convenient size and thickness, into which grooves

B are cut a little more than half-way through on one side, and intersection grooves C on the other side, so that at the crossing or intersections of all the cuts or grooves there will be communication through the block, allowing the circulation of air, and causing quick combustion.

What I claim as my invention is—

The wooden block A, provided with transverse grooves B and C, intersecting each other within the body of the block, substantially as shown and described.

Witnesses: RUSSEL B. WHITZEL.

ROBT. N. VANCE,
ALEXANDER SHOEMBO.