

UNITED STATES PATENT OFFICE.

JOHN COMMINS, OF CHARLESTON, SOUTH CAROLINA.

IMPROVEMENT IN FIRE-KINDLERS.

Specification forming part of Letters Patent No. **156,984**, dated November 17, 1874; application filed September 24, 1874.

To all whom it may concern:

Be it known that I, JOHN COMMINS, of Charleston, South Carolina, have invented certain new and useful Improvements in Fire-Kindlers, of which the following is a specification:

The invention relates to materials for kindling fires; and consists in applying a combustible coating to ordinary coke, being the charred production of coal or charcoal, the similar production of wood or fossil coal, as hereinafter set forth.

The coke having been broken into pieces nearly or about what is known as nut size, is immersed in a heated solution consisting of four (4) parts of rosin and one (1) part of crude turpentine in the gum. The pieces having become thoroughly coated, are dipped out and rolled in a preparation, two (2) parts of which are pulverized charcoal, one (1) part fine sifted coal, and one (1) part sawdust.

The pieces are then permitted to dry, when they are ready for use.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A kindling material, composed of lumps or pieces of coke or charcoal saturated with a solution of rosin and turpentine, and coated with a preparation composed of equal parts of pulverized charcoal, coal, and sawdust, substantially as set forth.

In testimony that I claim the foregoing improvements in fire-kindlers, as above described, I have hereunto set my hand and seal this 21st day of September, 1874.

JOHN COMMINS. [L. S.]

Witnesses:

ARTHUR GRIMBALL,
JNO. C. MILLAR.