

O. A. TREVALLEE.
FIRE-KINDLER.

No. 188,697.

Patented March 20, 1877.

Fig. 1.

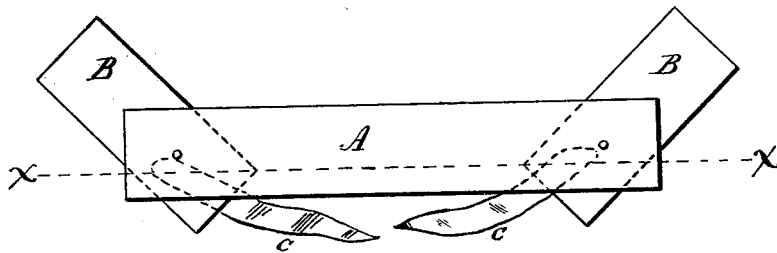
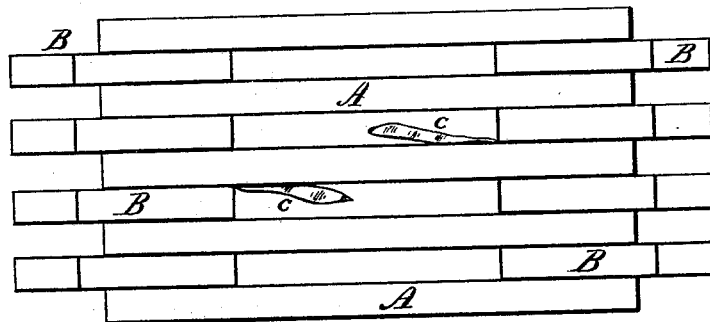


Fig. 2.



Witnesses:

Geo. J. Bonnet
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By Atty
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UNITED STATES PATENT OFFICE.

OSCAR A. TREVALLEE, OF BUFFALO, NEW YORK.

IMPROVEMENT IN FIRE-KINDLERS.

Specification forming part of Letters Patent No. **188,697**, dated March 20, 1877; application filed September 6, 1876.

To all whom it may concern:

Be it known that I, OSCAR A. TREVALLEE, of Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Fire-Kindlers; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification.

My invention relates to a novel construction of fire-kindlers; and it consists in the construction and arrangement of the parts composing the same, as will be hereinafter more fully set forth.

To enable others to more fully understand my invention, I will proceed to describe the same, referring by letters to the accompanying drawing, in which—

Figure 1 represents an end view, and Fig. 2 a plan, of my improved fire-kindler.

Like letters of reference designate like parts in both of the figures.

A represents a series of horizontal strips or slats of thoroughly-dried wood placed vertically on their edges side by side, and at a distance from each other equal to admit the inclined strips B. The short inclined pieces B are inserted edgewise between the horizontal strips A at either end, and secured thereto by nails or wooden pins, their upper ends extending upward and outward, forming obtuse angles with the strips A, thus making a gutter-shaped wooden grating, which will serve the purpose for which it is designed, not only on account of the combustible material of which it is composed, but also by reason of its open construction, as it facilitates draft in the best manner, and is of sufficient strength to bear the weight of a heavy bed of coals.

After the wooden grate, as it were, is constructed as above described, its lower portion below the line *xx* is saturated or coated with any suitable inflammable material, such as kerosene, paraffine, or resin, or any composition of like character, which also insures ready ignition. I attach to the under side of the grating, between one of the horizontal strips and inclined pieces, one or more lighters, *c*, made of paper or a thin shaving of wood or any combustible material, which is also made highly inflammable by dipping in kerosene or brimstone.

One of these kindlers is sufficient to ignite either hard or soft coal; but in larger stoves, where a greater quantity of hard coal is used at a single lighting, two of the kindlers may be employed, the slats of the upper one running at right angles with the slats of the under kindler, which rests on the grate-bars of the stove.

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

As a new article of manufacture a fire-kindler, constructed of a series of horizontal strips, and strips at either end, inclined in opposite directions, all placed vertically on their edges, joined together, and having their lower portions saturated or coated with inflammable material, substantially as hereinbefore set forth.

Witness my hand and seal this 1st day of September, A. D. 1876.

O. A. TREVALLEE. [L. S.]

Witnesses:

JNO. J. BONNER,
ARTHUR L. MCINTIRE.