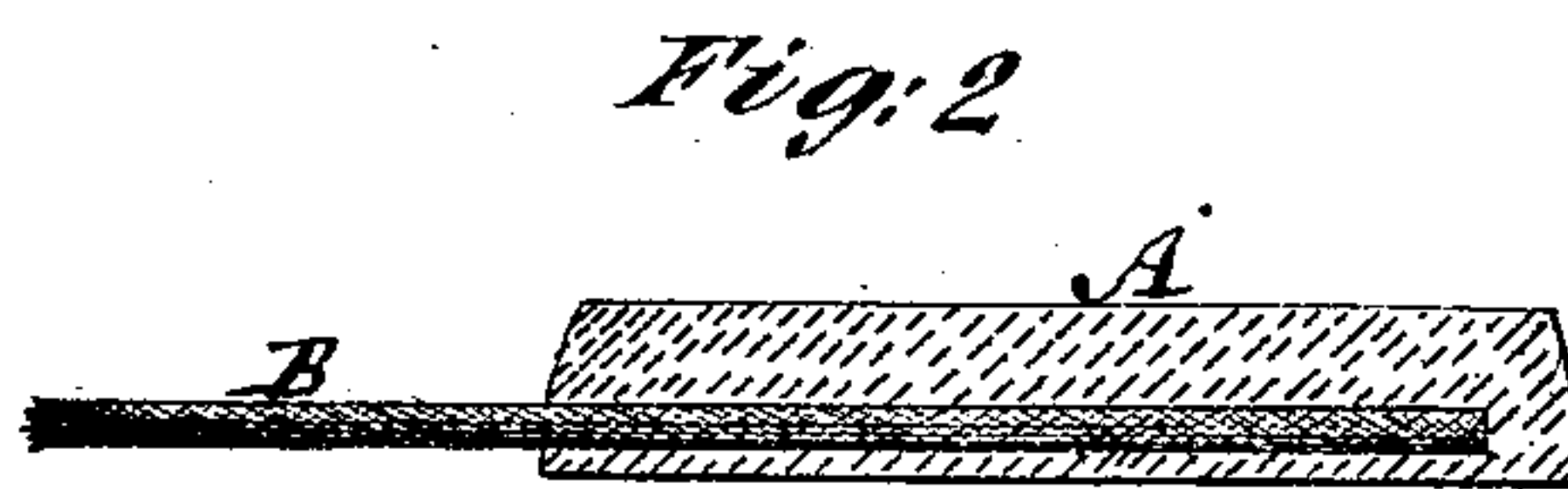
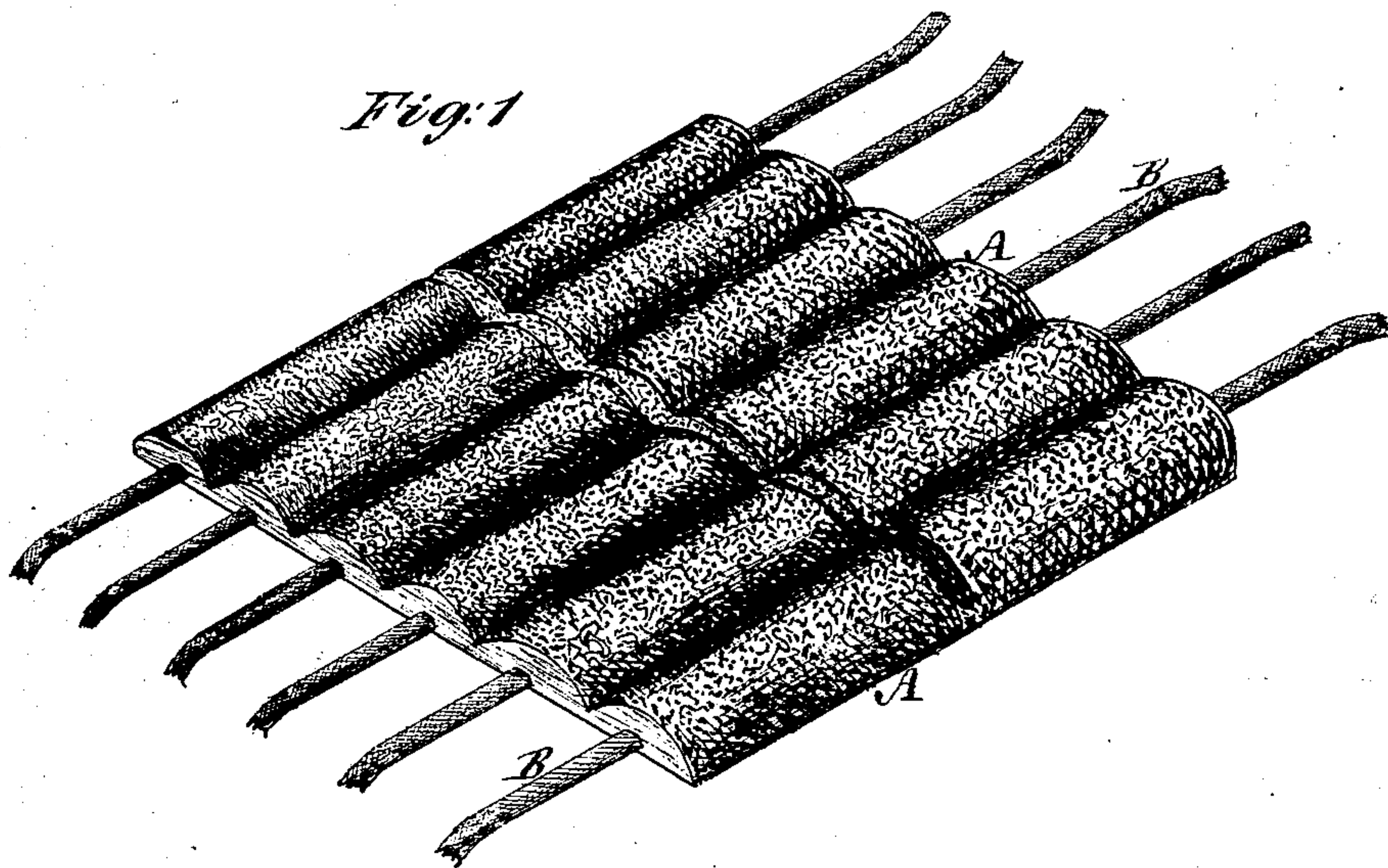


J. W. BYNON.
Fire-Kindlers.

No. 149,436.

Patented April 7, 1874.



Witnesses:
Michael Ryan
Fred. Haynes

John W. Bynon
by his Attorneys
Ronn & Allen

UNITED STATES PATENT OFFICE.

JOHN W. BYNON, OF YONKERS, NEW YORK.

IMPROVEMENT IN FIRE-KINDLERS.

Specification forming part of Letters Patent No. **149,436**, dated April 7, 1874; application filed February 26, 1874.

To all whom it may concern:

Be it known that I, JOHN W. BYNON, of Yonkers, in the county of Westchester, in the State of New York, have invented an Improvement in Fire-Lighters, of which the following is a specification:

This invention relates to certain improvements in fire kindlers or lighters, in which the latter are provided with a wick for igniting the fire-kindler. The invention consists in a fire-lighter composed of a series of cakes made of an inflammable compound, such as rosin, tallow, and sawdust, each of said cakes being provided with a wick protruding therefrom, and said cakes being capable of detachment, one from the other, as required for use.

In the accompanying drawing, Figure 1 represents a view in perspective of a cake of fire-lighters constructed in accordance with my improvement, and Fig. 2 a longitudinal section of one of the lighters with attached wick.

Similar letters of reference indicate corresponding parts throughout the several figures.

A A represent a number of fire-lighters joined together in a cake, and capable of detachment, the one from the other, as required. In each of these fire-lighters is inserted a wick, B, arranged to protrude beyond the end or ends of the fire-lighter. Said wick may be saturated with the same materials, or certain of them, as used in the body of the lighter. Such wick may either be molded into the body of the lighter, or may have the body composition applied to it in any other way, as by dipping, or otherwise, leaving the wick only covered by the more inflammable portions of

the compound. By means of this wick, the lighter can be much more easily ignited through the bottom of the grate of the fireplace, instead of being ignited, as is now usually done, before putting it into the grate or stove, and building the fire on top of it, which mode of ignition is objectionable, inasmuch as the lighter is partly burned before the fire can be built, and there is much offensive odor consequent on the previous ignition of the lighter. By the arrangement of a wick within the lighter these objections are avoided, there being no necessity to ignite the lighter before placing it in its place on the grate, but simply to see that the wick of the lighter is made to protrude through the grate, when the same can be readily lighted from below after the fire has been built, which by means of the wick may be done before the fire is ignited.

I am aware that kawri gum, rosin, and alcohol have been dissolved and mixed together, and sawdust added, and all mixed until a paste is formed, and then molded or pressed into cakes and allowed to dry, when they are ready for use in kindling fire; but such is not my invention.

What I claim as my invention is—

A fire-lighter composed of a series of inflammable cakes, A, each of which is provided with a wick, B, protruding therefrom, and said cakes being capable of detachment, the one from the other, as required for use, as herein shown and described.

JOHN W. BYNON.

Witnesses:

BENJAMIN W. HOFFMAN,
MICHAEL RYAN.