

No. 829,072.

PATENTED AUG. 21, 1906.

H. HILL.
FIRE KINDLER.
APPLICATION FILED APR. 23, 1906.

Fig. 1

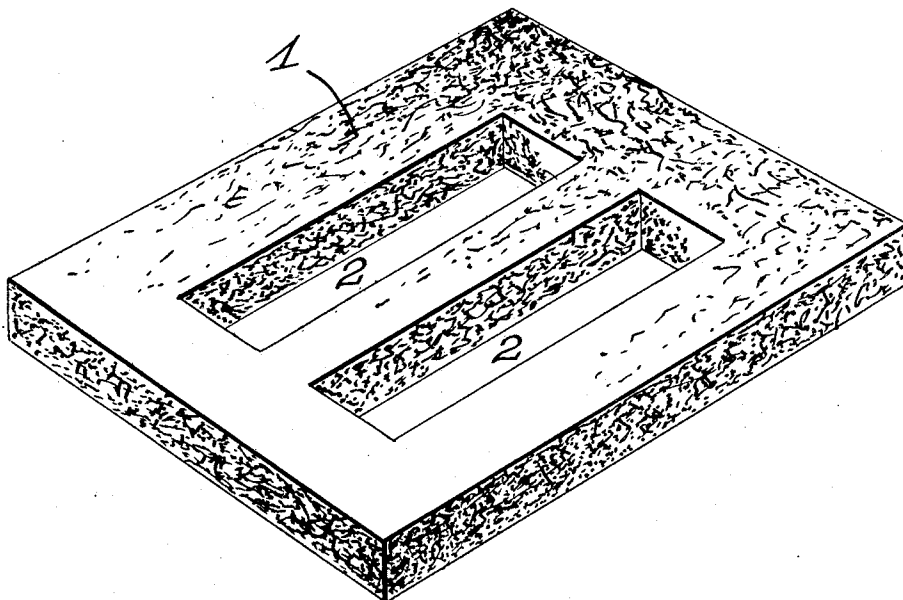
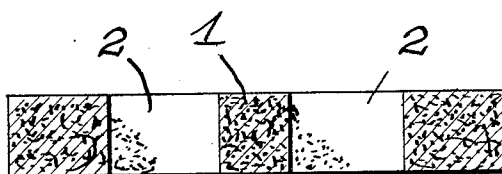


Fig. 2



Witnesses

C. H. Hill
C. H. Griesbauer

Inventor

Henry Hill

by *A. B. Wilson & Co.*

Attorneys

UNITED STATES PATENT OFFICE.

HENRY HILL, OF HALIFAX, CANADA.

FIRE-KINDLER.

No. 829,072.

Specification of Letters Patent.

Patented Aug. 21, 1906.

Application filed April 23, 1906. Serial No. 313,277.

To all whom it may concern:

Be it known that I, HENRY HILL, a subject of the King of Great Britain, residing at Halifax, in the Province of Nova Scotia, Dominion of Canada, have invented certain new and useful Improvements in Fire-Kindlers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in devices for kindling or starting fires in stoves, grates, and other heaters; and it consists of the composition of matter hereinafter described and claimed.

The object of the invention is to provide a device of this character which may be manufactured at a very small cost and which will be well adapted for the purpose intended.

In the accompanying drawings, Figure 1 is a perspective view of my improved fire-kindler, and Fig. 2 is a sectional view through the same.

My composition consists of the following ingredients, combined in the proportions stated—namely, creosote salts, sixty-five pounds; wood sawdust, forty-five pounds; pitch, thirty-five pounds.

By the term "creosote salts" I mean the heavy oils forming a sediment left after the distillation of creosote from coal-tar and of the chemical formula $C_{14}H_{10}$. Another appropriate term therefor would be "anthracin crystals."

In preparing this composition the creosote salts is first placed in a tank heated by steam or the like, where it changes to a liquid form, and it is then flowed with the pitch into a

second tank into which the sawdust is poured and in which the ingredients are mixed by agitation to the consistency of mash or a semi-solid body. This mixture is then fed to a press, which molds it into blocks, preferably of the form shown in the drawings. This block 1 is of rectangular form and has in it one or more openings 2 to permit of the passage of air through it, and thereby facilitate its combustion when placed upon the grate of a stove, furnace, or other heater. The blocks harden soon after leaving the press and may then be packed in cartons, so that they can be conveniently handled and sold at a comparatively small cost. These blocks or devices readily ignite and may be effectively used for starting fires of coal or any other fuel. The use of the pitch materially increases the binding of the salts and sawdust especially in cold weather.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. The herein-described fire-kindling composition consisting of creosote salts, sawdust and pitch put up in the form of blocks, substantially as described.

2. The herein-described fire-kindling composition consisting of creosote salts, sixty-five pounds; sawdust, forty-five pounds, and pitch, thirty-five pounds, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HENRY HILL.

Witnesses:

V. J. PATON,
C. A. McNEARNEY.