

A. SENDLEIN.
FIRE KINDLER.
APPLICATION FILED SEPT. 15, 1910.

987,921.

Patented Mar. 28, 1911.

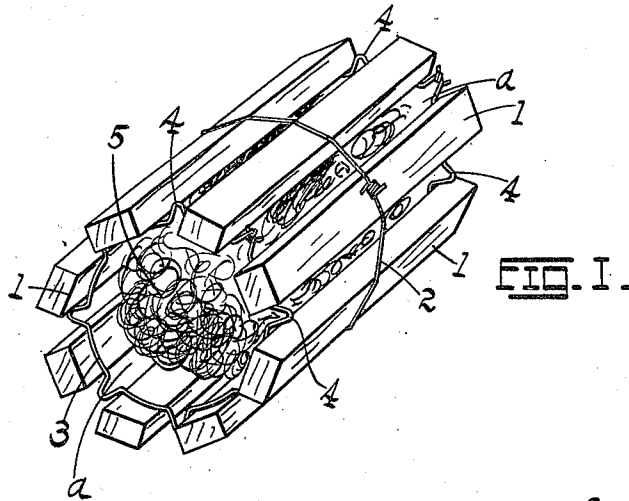


FIG. 1.

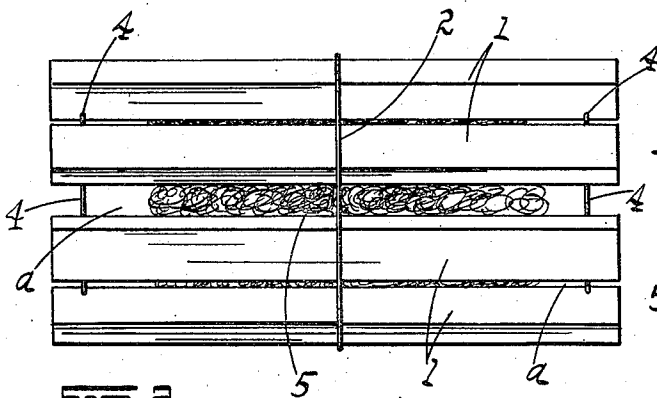


FIG. 2.

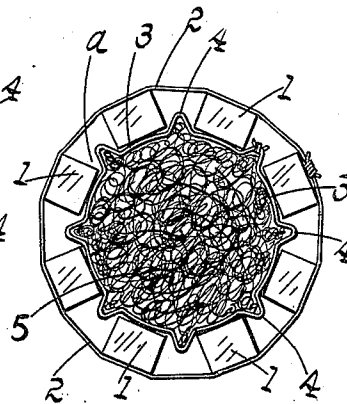


FIG. 3.

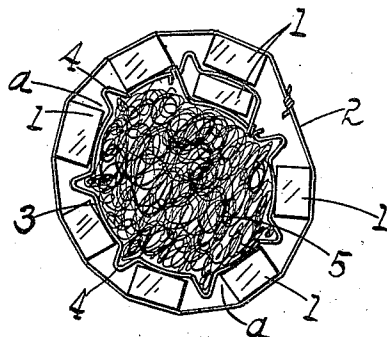


FIG. 4.

WITNESSES:

Harry A. Barnes
A. M. Powell

INVENTOR.

Andreas Sendlein.

BY

Emit Karen

ATTORNEY.

UNITED STATES PATENT OFFICE.

ANDREAS SENDLEIN, OF ST. LOUIS, MISSOURI.

FIRE-KINDLER.

987,921.

Specification of Letters Patent.

Patented Mar. 28, 1911.

Application filed September 15, 1910. Serial No. 582,199.

To all whom it may concern:

Be it known that I, ANDREAS SENDLEIN, citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Fire-Kindlers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention has relation to improvements in fire-kindlers; and it consists in the novel construction of kindler more fully set forth in the specification and pointed out in the claims.

In the drawings, Figure 1 is a perspective of the prevailing form of my fire-kindler; Fig. 2 is a top plan thereof; Fig. 3 is an end view; and Fig. 4 is an end view of a modification.

The object of my invention is to construct a fire-kindler composed of sticks of wood so assembled as to leave ample space for the free circulation of air between them, with a view of insuring rapid combustion for the kindler and quickly starting a fire.

A further object is to provide a kindler which produces an intense flame; one which is cheap to construct, light and readily handled.

In detail the invention may be described as follows:—Referring to the drawings, and for the present to Figs. 1 to 3 inclusive, 1, 1, represent a series of sticks of wood (or composition) arranged about a common central longitudinal axis, and bound together at or near the center with a wire band 2. The opposite ends of the sticks are supported on the outside of suitable wire holders or rings 3, in the course of which are formed series of bends or kinks 4 which serve to space the successive sticks from one another so as to leave longitudinal air spaces or draft passages *a* between them for the free ingress of atmospheric air into the hollow of the kindler, and for the free passage of the flame out of it. The ends of the wire 3 may be secured or fastened in any convenient mechanical manner. The sticks 1 are preferably dipped and soaked in crude petroleum, the interior of the tube or cylinder (or prism) thus formed being filled with excelsior 5 impregnated with paraffin or equivalent carbonaceous material.

Where the wires 3 are cut and formed in

standard lengths, and it subsequently becomes desirable to reduce the cross-section of the cylinder, the ends of the wire may be made to overlap as shown in the modification in Fig. 4, in which case two sticks may be superposed at the overlap. This arrangement obviously reduces the quantity of the excelsior filling, making a smaller package.

The kindler thus formed is stiff and is capable of supporting a maximum weight of fuel when a fire is to be started. It serves its purpose admirably in locomotive fire-boxes, kitchen ranges, cook-stoves and the like. A fire can be started in a few seconds after a burning match is applied to the filling 5.

Having described my invention, what I claim is:—

1. A fire-kindler composed of a hollow tube of sticks, stiff wire supporting rings inserted into, and fitting closely within, each end of the tube for supporting the sticks, formations on the supporting wires interposed between the sticks for spacing the sticks apart, and a binding wrapped about the sticks for holding the same in place.

2. A fire-kindler composed of a hollow tube of sticks, stiff wire supporting rings inserted into, and fitting snugly within, each end of the tube for supporting the sticks, the wire being provided with bends interposed between the sticks for spacing the sticks apart to afford draft openings, an outer binding wire wrapped about the sticks thus supported, and a suitable filler for the tube.

3. A fire-kindler composed of a hollow tube of sticks impregnated with crude petroleum, wire holders or rings inserted into each end of the tube for supporting the sticks, the wire being formed with a series of radial bends interposed between the sticks for spacing them apart to form draft openings, an outer central binding wire for the sticks, and a filling of excelsior impregnated with paraffin.

In testimony whereof I affix my signature, in presence of two witnesses.

ANDREAS SENDLEIN.

Witnesses:

EMIL STAREK,
ALONZO W. POWELL.