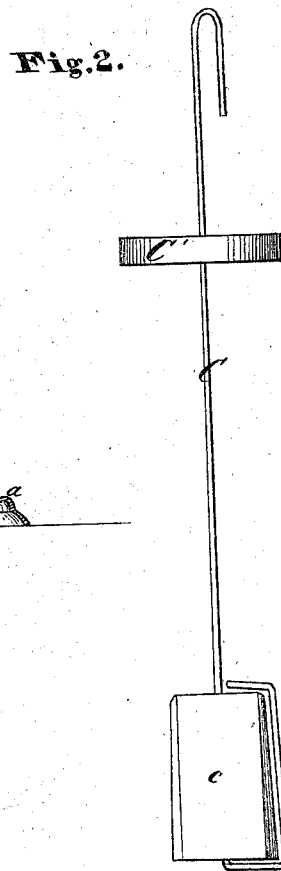
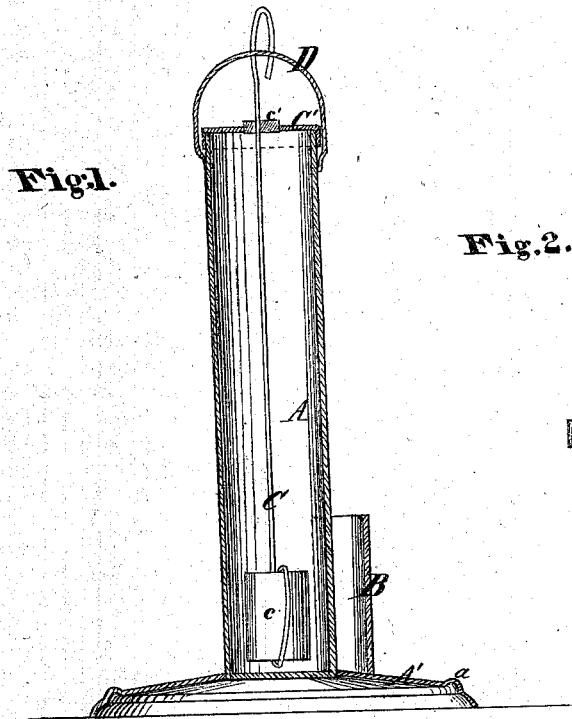


A. B. KING.

Improvement in Fire-Kindlers.

No. 115,216.

Patented May 23, 1871.



Witnesses.

Cha Kemper
Villette Anderson

Inventor

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UNITED STATES PATENT OFFICE.

ABRAHAM B. KING, OF CAMDEN, OHIO.

IMPROVEMENT IN FIRE-KINDLERS.

Specification forming part of Letters Patent No. 115,216, dated May 23, 1871.

To all whom it may concern:

Be it known that I, ABRAHAM B. KING, of Camden, in the county of Preble and State of Ohio, have invented a new and valuable Improvement in Fire-Kindlers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical section. Fig. 2 is a view of the torch.

This invention relates to a novel device for use in kindling fires; and consists of an oil or fluid tube, torch, and match-box, constructed as follows:

In the drawing, A represents a tube designed to contain any suitable burning-fluid, and standing upright on an enlarged base, A', which is formed with a raised rim or flange, *a*, to prevent the fluid that may accidentally drip down the outside of the tube from reaching the floor. B shows a match-case arranged at the lower end of the tube. C is a wire, holding at its lower end a block, *c*, of porous composition, through which said wire passes vertically, and is thence bent up and around the outside, as shown shown in the drawing.

A torch is thus provided which is dipped in the fluid contained in the tube and ignited. The flame produced burns until the oil in the block is consumed.

The torch, when lighted, may be applied to any purpose that it will answer.

I do not wish to confine myself to any particular composition for the torch-bulb *a*; but

I prefer one formed of seven parts of potters' or brick clay and three parts of corn-meal which, being moistened with a little water thoroughly incorporated, is to be molded into the desired form and baked. The result is a hard and very porous block, which will absorb a comparatively large quantity of the fluid into which it is placed.

C' represents a cover for the tube, to prevent the fluid from evaporating. It is attached to the torch-wire, so that by withdrawing the same from the tube the latter is uncovered. It may consist either of a cork; flanged lid soldered to the wire, or flanged lid having a leather center-piece, *c'*, Fig. 1, so as to make it adjustable. D is a handle, made wide purposely to prevent burning drips from falling into the tube in careless handling of the same.

When the torch-bulb becomes broken or useless, it may be replaced by a new one by straightening the wire which holds the bulb.

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

The combination and arrangement of the oil-can A, provided with the guard-handle D and match-safe B, with the wire C passing through the cover C', and provided with the removable bulb *c*, substantially as and for the purposes herein shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ABRAHAM B. KING.

Witnesses:

ROBERT CONARROE,
GEO. W. YOST.