(No Model.)

G. B. SMITH & T. B. JOHNSON.

FIRE KINDLER.

No. 364,055. Patented May 31, 1887.

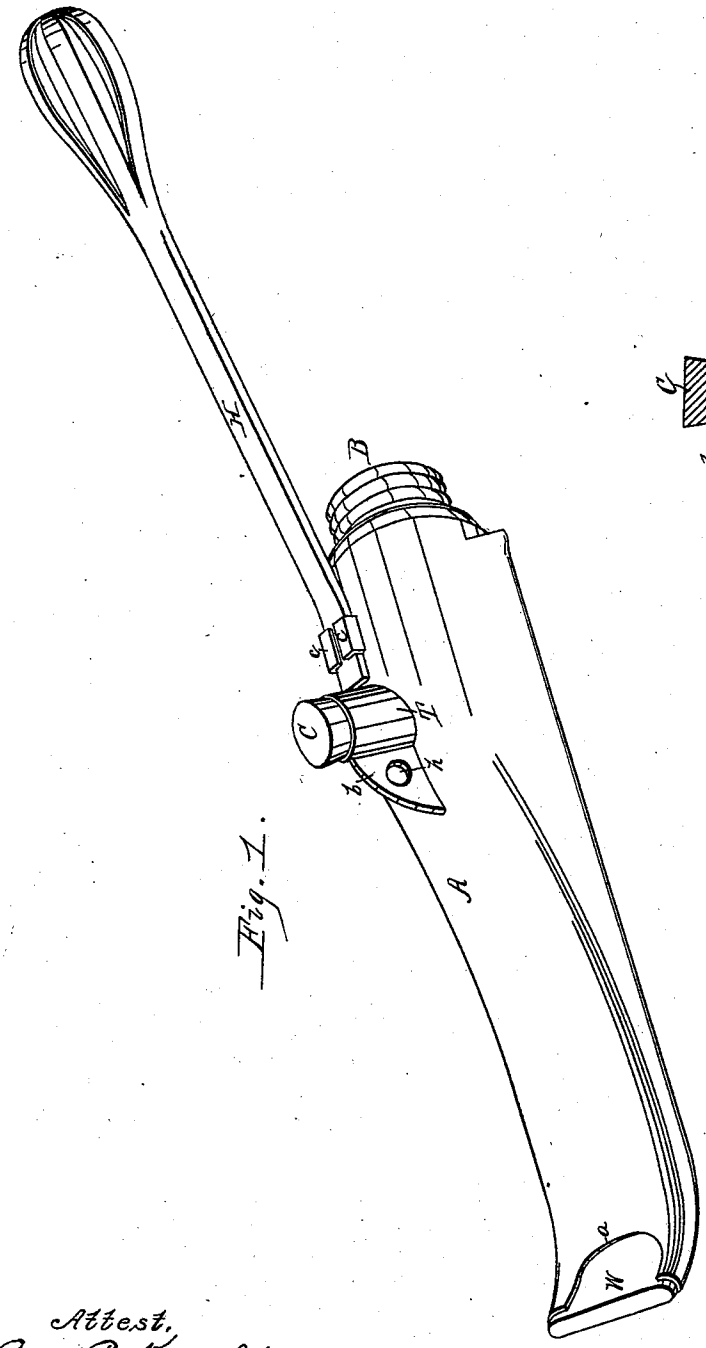


Fig. 1.

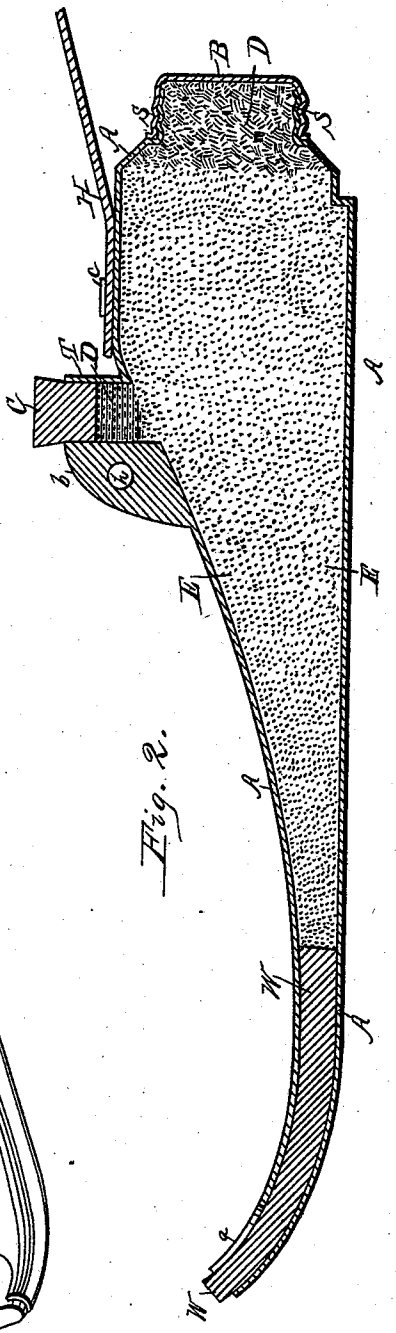


Fig. 2.

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UNITED STATES PATENT OFFICE.

GEORGE B. SMITH, OF DETROIT, AND TRUMAN B. JOHNSON, OF EAST SAGINAW, MICHIGAN; SAID SMITH ASSIGNOR TO SAID JOHNSON.

FIRE-KINDLER.

SPECIFICATION forming part of Letters Patent No. 364,055, dated May 31, 1887.

Application filed October 25, 1886. Serial No. 217,095. (No model.)

To all whom it may concern:

Be it known that we, GEORGE B. SMITH, of the city of Detroit, county of Wayne, and State of Michigan, and TRUMAN B. JOHNSON, of the city of East Saginaw, county of Saginaw, and State of Michigan, have invented new and useful Improvements in Fire-Kindlers; and we hereby declare the following to be a full, clear, and exact description of our present invention, and one that will enable others skilled in the art to which it appertains to make and use the same.

The nature of our present invention relates to that class of household articles known as "fire-kindlers;" and our present invention consists in the peculiar arrangement and combination of the various parts, as hereinafter more fully set forth, reference being had to the accompanying drawings, which form a part of this specification, and in which like letters of reference refer to like parts.

Figure 1 is a perspective view of our improvement. Fig. 2 is a longitudinal sectional view.

A shows a metallic case, either stamped, molded, or cast from tin, zinc, brass, copper, or iron.

B shows a screw-cap on rear end of case A, which is removed when filling the case.

C shows a cork or small screw-top for the supply-tube T, which is secured to the top side of the case A, and through which the oil is poured when charging the kindler.

D shows cotton waste or packing for keeping the filling in place.

E shows sawdust or other porous substance for filling the case A.

S is the inner screw thread for securing the cap B to the rear end of the case A.

T is the oil or supply tube through which the kindler is recharged.

W shows a wick of asbestus or mineral substance.

A shows a portion of the upper part of the case A cut away.

b shows a brace attached to case A and tube T.

c shows clips for securing the handle H to the kindler.

h shows a hole cut in the brace *b*, by which the kindler may be hung up when not in use.

H shows a handle of any desirable design.

In practice the case A should be about one and three-quarters inch wide and about eight inches long, and provided on its top side with the oil-tube T and brace *b*, with hole *h*, as shown; also the clamps *c*, which are secured to the case A and bent over the handle H, so as to form a clamp for securing the handle H to the case, the handle being removable. The oil or supply tube T may be provided with a screw or cork, C, as shown.

On the rear end of the case A is secured the screw-threads S, to which the removable screw-cap B is attached. To fill the case, the cap B is removed and a mineral or asbestus wick about three inches long is placed in the forward end of the case A, after which the case may be filled with sawdust or any porous substance, except the supply-tube T and rear end of the case A, which is filled with cotton waste or any similar substance, merely to prevent the sawdust or filling from shaking out when the cork or cap is removed. To charge the kindler, remove the small cap or cork C and turn in any inflammable substance, kerosene-oil being preferable. Care should be taken not to use any more oil than will be taken up by absorption. As the small end of the case A, at which the wick is located, is the only place exposed to atmospheric influence, the wick will always be charged through the process of evaporation.

Although we have shown this as a fire-kindler, we do not limit ourselves to that use only, as it will be found convenient for torches, destroying worms' nests, thawing out water-pipes, &c.

Having thus fully described our present invention, what we claim, and desire to secure by Letters Patent, is—

1. As an improved article of manufacture, a fire-kindler provided at its small end with an asbestus wick, and having the center filled with sawdust or other absorbents, for the purposes specified.

2. In combination with the case A and supply-tube T, the brace *b*, having a hole, *h*, therein, as and for the purposes herein set forth.

In testimony that we claim the above as our invention we have hereunto set our hands and affixed our signatures in presence of two witnesses.

GEORGE B. SMITH.
TRUMAN B. JOHNSON.

In presence of—
E. W. ABBOTT,
M. V. BURGHAM.