

(No Model.)

C. W. WALTERS.
FIRE KINDLER.

No. 415,231.

Patented Nov. 19, 1889.

Fig. 1.

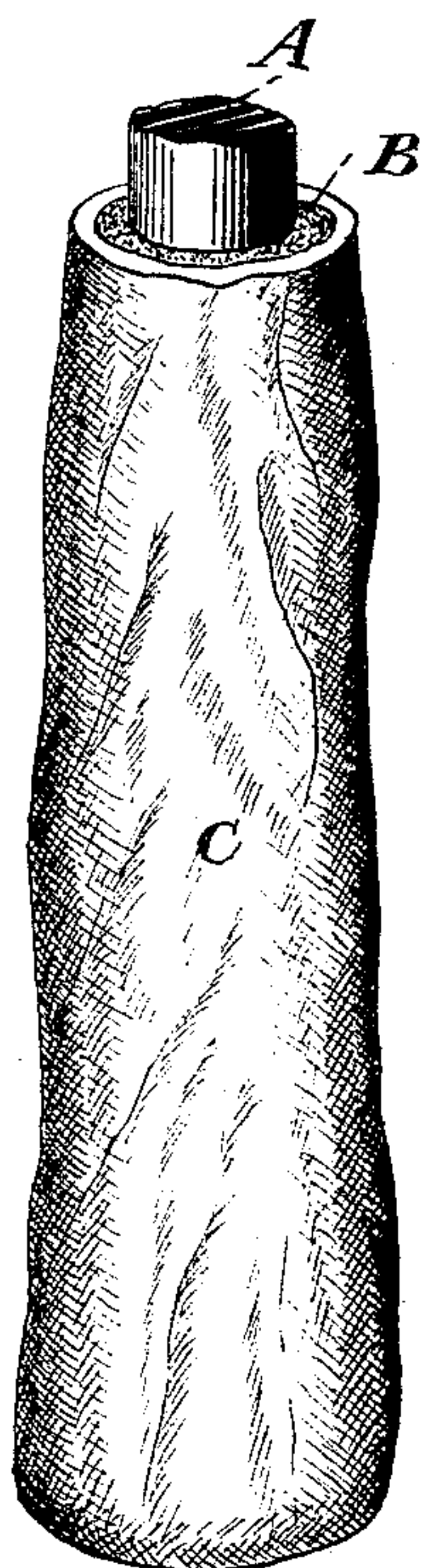
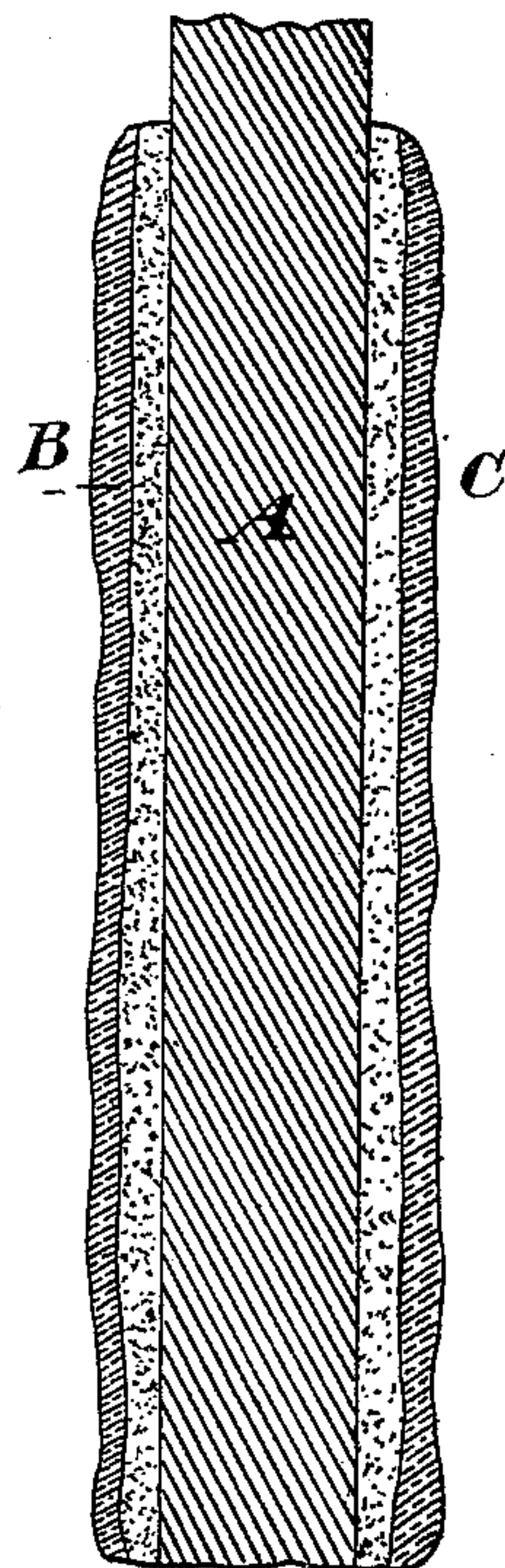


Fig. 2.



Witnesses.

A. Ruppert:

W. Lauers

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UNITED STATES PATENT OFFICE.

CHARLES W. WALTERS, OF TIFTON, GEORGIA.

FIRE-KINDLER.

SPECIFICATION forming part of Letters Patent No. 415,231, dated November 19, 1889.

Application filed July 25, 1889. Serial No. 318,690. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. WALTERS, a citizen of the United States, residing at Tifton, in the county of Berrien and State of Georgia, 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 it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in fire-kindlers; and it has for its object to generally improve upon the construction and to render more efficient in operation this class of appliances.

To these ends and to such others as the invention may pertain, the same consists in the novel construction hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, like letters of reference indicating like parts in both views, and in which drawings—

Figure 1 is a perspective view of a fire-kindler constructed in accordance with my invention. Fig. 2 is a central longitudinal section of the same.

Reference now being had to the details of the drawings by letter, A designates the core or central portion of the kindler, which is a rod or stick of wood. Around this central core is wound a mass of cotton-waste or other fibrous material B, and the outer surface of the mass is provided with a hardened coating of rosin, as shown at C.

In constructing the kindler, I first prepare a long strip or rod of wood of a diameter sufficient to render the kindler rigid, and thus prevent the outer coating of hardened rosin from being accidentally broken off, as would occur were a pliable core used. I wind around one end of the stick a mass of cotton-waste, and then insert the same in a vessel containing melted rosin. The mass is at once removed from the liquid rosin and is plunged into a vessel containing cold water, the effect of which sudden cooling of the rosin serves to harden the same, and thus leave upon the outer surface of the mass a thin coating of hard and brittle rosin. The stick is then broken off at the end of the mass, leaving a rigid core in the center of the kindler, as described.

It will be readily understood that fire-kindlers constructed in accordance with the foregoing description may be readily handled or packed for transportation without danger of their being broken or injured, as the rigid core will serve to prevent the same from being bent. They are very easily and cheaply constructed, and will be found to be serviceable in operation.

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

The herein-described fire-kindler, the same consisting of a rigid wooden core surrounded by a mass of cotton-waste or its equivalent, and the outer surface of the mass provided with a coating of hardened rosin, substantially as described, and for the purpose specified.

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

CHARLES W. WALTERS.

Witnesses:

S. F. JONES,

J. I. CLEMENTS.