

(No Model.)

C. RIEGER.
Fire Kindling Sticks.

No. 236,088.

Patented Dec. 28, 1880.

FIG. I.

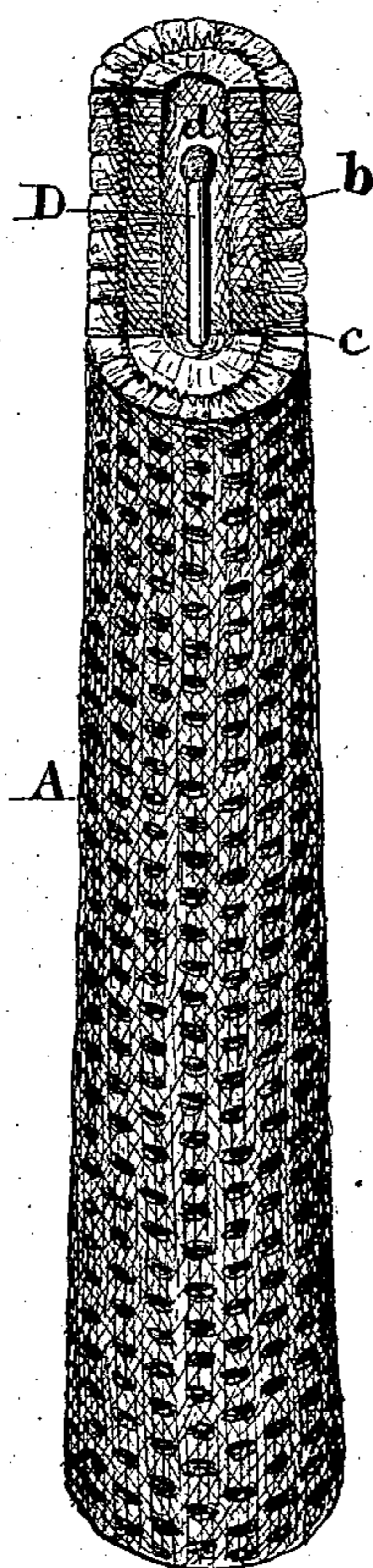


FIG. II.

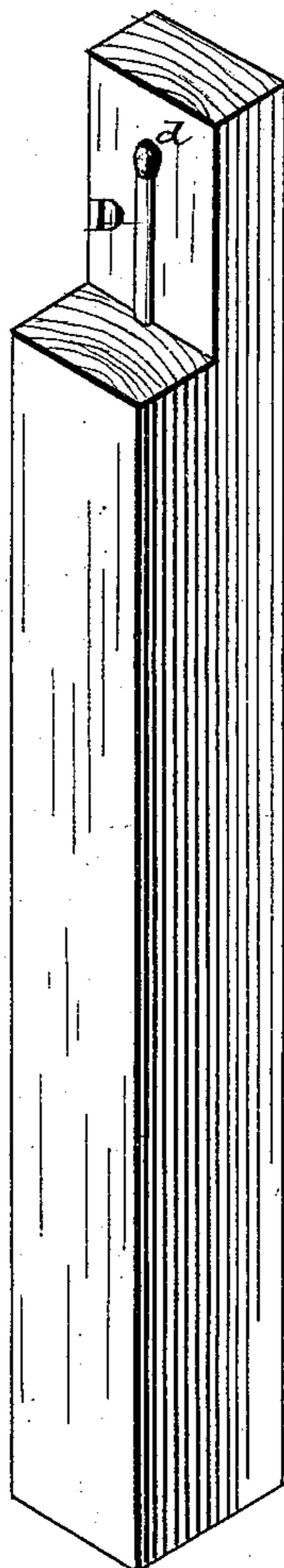
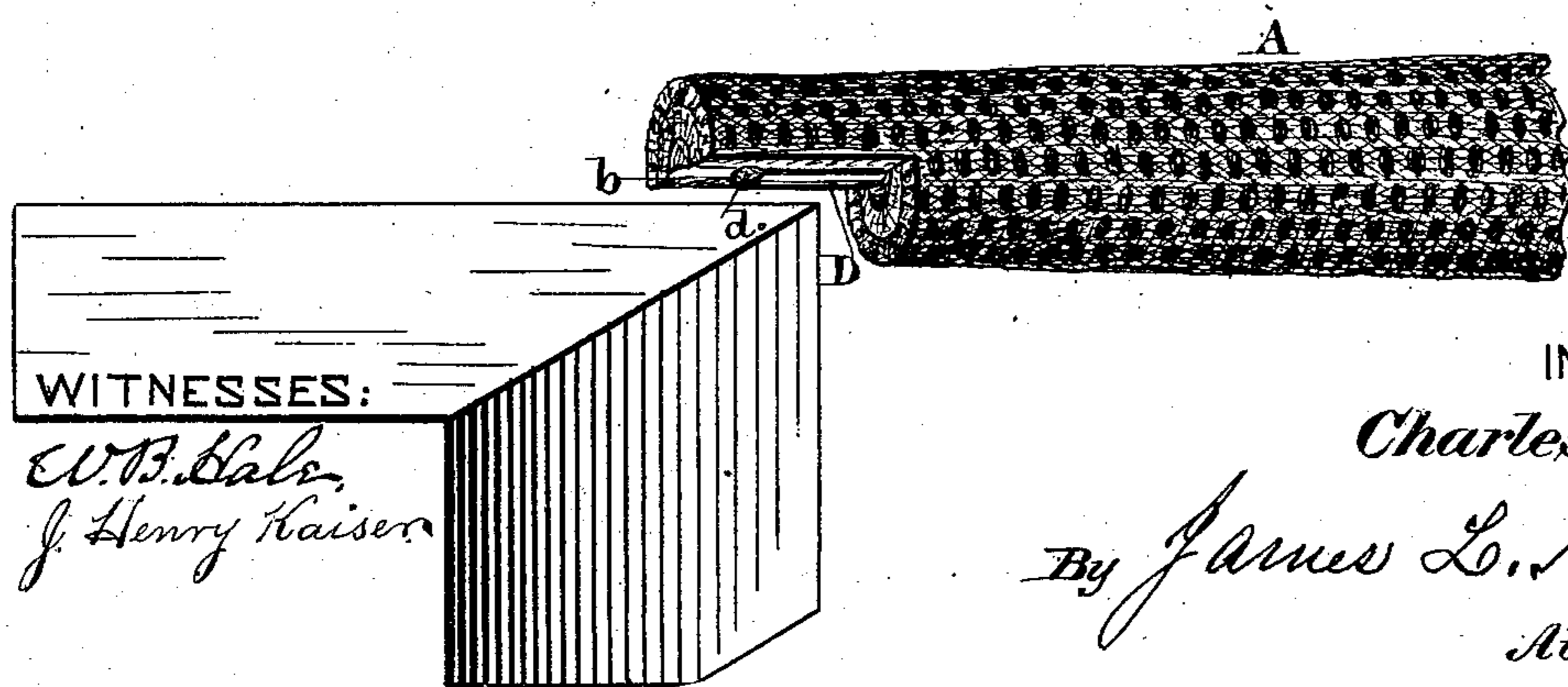


FIG. III.



INVENTOR:

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UNITED STATES PATENT OFFICE.

CHARLES RIEGER, OF ALLEGHENY, PENNSYLVANIA.

FIRE-KINDLING STICK.

SPECIFICATION forming part of Letters Patent No. 236,088, dated December 28, 1880.

Application filed July 3, 1880. (No model.)

To all whom it may concern:

Be it known that I, CHARLES RIEGER, a citizen of the United States, residing at Allegheny City, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Kindling-Sticks, of which the following is a specification.

My invention relates to an improvement in self-igniting fire-kindlers, its object being to furnish a cheap kindler having an attached igniter so arranged as to avoid danger of accidental ignition in handling or transportation, but at the same time readily ignitable, and adapted to quickly fire the kindler when desired.

It consists, first, in a kindling-stick notched in one end, coated with inflammable material, and having an igniter arranged in its notch and protected from accidental friction by portions of the stick projecting beyond it, as more fully hereinafter described; second, in a kindling-stick consisting of a corn-cob coated with inflammable material, having an end notch cut through its pith-chamber from its periphery, and a friction-match driven into its pith-chamber, with its head protected from accidental ignition by portions of the cob projecting beyond it, as more fully hereinafter described.

In the accompanying drawings, Figure I is a perspective view of a corn-cob fire-kindling stick, and Fig. II is a similar view of a stick-kindler of wood, both constructed according to my invention. Fig. III illustrates the manner of lighting.

In Fig. I, the letter A indicates a corn-cob, one end of which has a side notch, *b*, formed in it by cutting through its longitudinal center from, say, a half-inch to an inch, and then intersecting the cut by a transverse cut, forming the rabbet or notch *b*, having a corner, *c*, which cuts transversely through the pith of the cob. After being thus recessed the cob is rendered highly inflammable by being immersed in melted rosin or other inflammable substance and left to dry or cool. A match, D, has its butt forced into the pith far enough to bring its head *d* below the end of wall *b'* of the recess, so that it will be in no danger of friction when that end of the kindler is rubbed. It is also manifest that the match is in no danger of ignition from lateral friction or rolling of the cob on plane surfaces. When, however, the rabbet or notch *b* is placed upon a

salient angle—the corner of a brick, for instance—as shown in Fig. 3, and the match properly scraped thereon, it will, of course, be ignited, and the adjacent inflammable surfaces quickly take fire.

In order to facilitate thorough ignition, the kindler should be held with the match downward at first.

In the stick-kindler shown in Fig. II the mode of recessing, notching, or rabbeting and immersing in inflammable material is the same pursued with the cob; but there being no pith a hole must be bored to receive the match. The notch in the stick may be cut shallower transversely than in the cob, the object in running the notch to the center in the cob being simply to reach the pith, and thus obviate the boring of a hole for the match.

I am aware that kindling-blocks have been provided with projecting notches, but have not, to my knowledge, been notched to permit the arrangement of the match out of the way of accidental ignition.

I am also aware that a corn-cob has been prepared for a fire-kindler by being immersed in molten inflammable material and having a wick drawn through its pith-chamber, and I do not claim such a kindler.

What I claim is—

1. A kindling-stick notched in one end, coated with inflammable material, and having an igniter arranged in its notch and protected from accidental friction by portions of the stick projecting beyond it, substantially as described.

2. A fire-kindling stick consisting of a corn-cob coated with inflammable material, having a notch formed as described in one end and a friction-match driven into its pith-chamber, with its head protected from accidental ignition by portions of the cob projecting beyond it, substantially as described.

3. In a kindling-stick, the corn-cob A, having notch *b* cut through its pith-chamber and the match D inserted in said pith-chamber, substantially as described.

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

CHARLES RIEGER.

Witnesses:

W. J. BECKFELD,
WM. H. STERRILL.