

FRIDERIKKA BOOLSEN.

FIRE-KINDLER.

No. 169,773.

Patented Nov. 9, 1875.

Fig. 1.

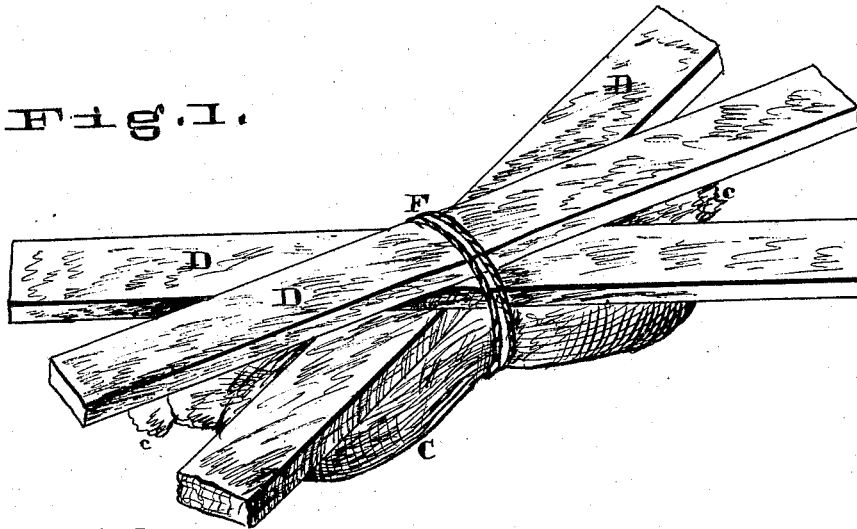


Fig. 2.

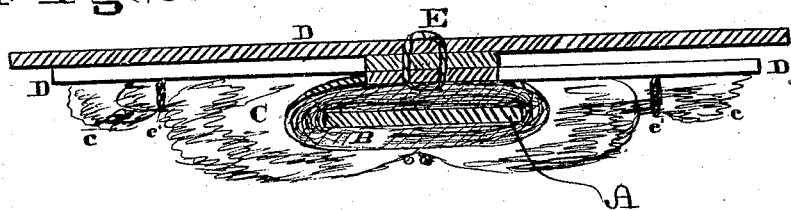
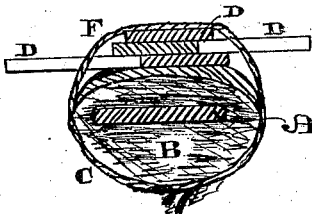


Fig. 3.



WITNESSES,

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INVENTOR,

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By Chas. D. Moody.  
her atty.

# UNITED STATES PATENT OFFICE.

FRIDERIKKA BOOLSEN, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF HER RIGHT TO CHARLES H. VANDEWATER, OF SAME PLACE.

## IMPROVEMENT IN FIRE-KINDLERS.

Specification forming part of Letters Patent No. 169,773, dated November 9, 1875; application filed September 20, 1875.

*To all whom it may concern:*

Be it known that I, FRIDERIKKA BOOLSEN, a resident of the city and county of St. Louis, State of Missouri, have invented a new and useful Improvement in Fire-Kindlers, of which the following is a full, clear, and exact description, reference being had to the annexed drawing making a part of this specification, in which—

Figure 1 is a view in perspective of the invention; Fig. 2, a view partly in vertical longitudinal section and partly in side elevation; and Fig. 3, a central vertical cross-section.

Like letters indicate like parts.

My aim is to provide an economical means for readily kindling fires.

Referring to the accompanying drawing, A represents what may be termed the foundation-piece of the construction. It consists of a thin piece of wood—say, a quarter of an inch in thickness, an inch wide, and two or three inches long. Around this foundation-piece, in the direction of its length, wrap some long shavings, B, having first placed some short, fine shavings upon the piece. Fasten the long shavings in position by means of twine or any simple tie, passed transversely around. Then dip the bundle thus formed half-way into melted rosin, or any similar inflammable substance, and afterward inclose it in a paper wrapping, C, whose ends *c c* respectively project beyond the end of the bundle, and are drawn up and tied around at *e' e'*. The bundle and its wrapping C are then arranged so as to bring that portion which has been dipped in the rosin-bath uppermost, and above them is placed a fagot of sticks, D D D, which are arranged crosswise on each other, as shown, and which have been fastened together at E by any suitable fastening. The fagot and bundle are then

tied together at F. The entire package is then dipped in a rosin-bath, and then dusted with or rolled in sawdust.

In operation, the kindler is arranged in the fire-place with the fagot D D D uppermost, and as shown in Fig. 1. The coals are then laid on the several sticks of the fagot, and the fire is started by igniting the kindler at *c c*, which serve as wicks.

It will be noticed that the various materials composing the kindler are of the most economical character and readily obtained. No machinery is required in its construction, and it can be made with cheap unskilled labor. The rosin, being chiefly in the upper part of the bundle, is not apt to run down in the fire-place when the kindler is lighted. The arrangement of the sticks in the fagot enables the air to pass up to the coals, and the bundle below the fagot furnishes a raised support for the latter, and thus affords ample room beneath the projecting ends of the fagot for an air-supply.

Having described my invention, what I claim, and desire to have secured by Letters Patent, is—

1. As a new article of manufacture, the herein-described fire-kindler, consisting of the foundation-piece A, shavings B, wrapper C, and fagot D D D, substantially as described and shown.

2. The combination of the fagot D D D with a bundle or base of more combustible material, the ends of the fagot projecting beyond the base and the whole being dipped in liquid rosin or its equivalent, as and for the purpose shown and specified.

FRIDERIKKA BOOLSEN.

Witnesses:

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SAML. S. BOYD.