Dec. 8, 1925. 1,564,276

W. T. ROBERTSON

FIRE KINDLER

Filed Sept. 18, 1924

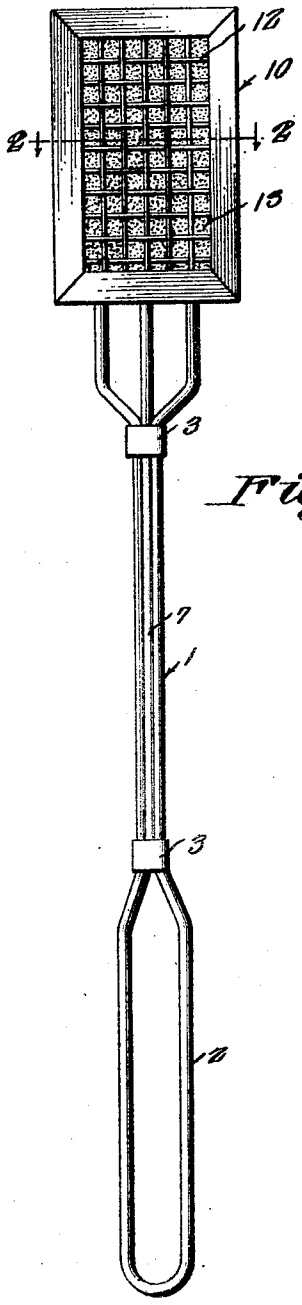


Fig. 1.

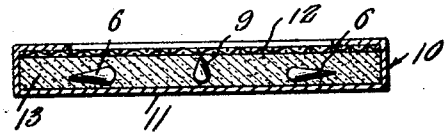


Fig. 2.

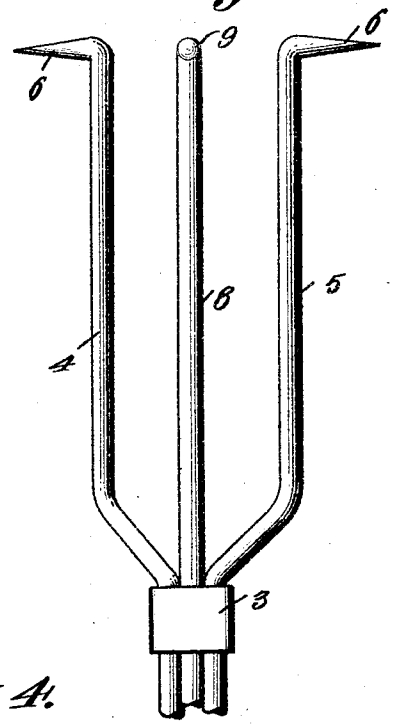


Fig. 3.

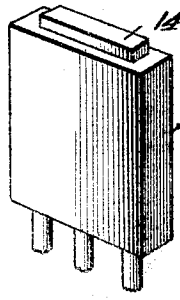


Fig. 4.

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UNITED STATES PATENT OFFICE.

WILLIAM T. ROBERTSON, OF MONTGOMERY, ALABAMA.

FIRE KINDLER.

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To all whom it may concern:

Be it known that I, WILLIAM T. ROBERTSON, a citizen of the United States, residing at Montgomery, in the county of Montgomery and State of Alabama, have invented new and useful Fire Kindlers, of which the following is a specification.

This invention relates to a divice for lighting fires and the like and which may be also used as a torch.

The object of the invention is to provide a device of this character so constructed that the flame will be forced thru a single point and concentrated to afford better ignition.

Another object is to provide a device of this character constructed so that it may be used also as a torch and for light cooking purposes as well as a signal for use by sportsmen at night, automobilists in trouble or as a railway signal.

Another object is to provide a device of this character which is extremely simple in construction and inexpensive to manufacture thus placing it in the reach of everybody and which is ready for use at all times.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 represents a front elevation of a device constructed in accordance with this invention;

Fig. 2 is a transverse section taken on the line 2—2 of Fig. 1;

Fig. 3 is an enlarged front elevation of the means for connecting the handle with the fuel carrying member; and

Fig. 4 is a detail perspective view showing the device constructed for use as a torch.

In the form shown in Figs. 1 to 3 a handle 1 is shown composed of heavy wire bent intermediate its ends to form a loop 2 which constitutes the hand grip, the members of said loop being brought into close proximity beyond the loop and secured by clamping bands 3 one located adjacent the hand grip and the other the front end where the wires diverge to form parallel tines 4 and 5 which are spaced laterally apart and provided at their terminals with outwardly extending lateral prongs 6.

Another wire 7 is disposed between the parallel members of the handle between the bands 3 being secured to said bands in any suitable manner, the front portion of said wire 7 being located between the tines 4 and 5 and in transverse alinement therewith forming an additional tine 8, the free end of which is bent laterally outward at a plane at right angles to the prongs 6 to provide an additional prong 9.

A fuel containing member 10 is carried by the tines 4, 8 and 5 and is preferably made in the form of a metal casing 11 closed except at its front face and over which is arranged a wire mesh closure 12 which protects the filling of the casing and permits the flames to pass out therethrough. The filling is preferably composed of asbestos 13 or other incombustible absorbing material in which the prongs of the tine 4, 8 and 5 are embedded, said tines extending through openings in the end of the casing 11.

The method of using this device is to immerse the member 10 in kerosene or other inflammable liquid before lighting and when ignited the flame will be forced out through the open front concentrating at this point and producing a much hotter flame. The casing 11 being air tight except at the front in connection with the asbestos filler will contain a considerable amount of oil which will burn for some time and adapt the device to be used in heating water or for light cooking operations.

In the form shown in Fig. 4 the casing 10^a is closed except at its upper end through which projects an asbestor or other wick 14 adapting the device to be used as a torch, the container 10^a holding considerable fuel which will last for some time.

I claim:—

In a fire kindler, a casing, a filler in said casing, a handle comprising a plurality of wires bound together to provide a hand grip, said wires having their forward ends spaced laterally to form lateral tines and a central tine, said lateral tines having laterally extended end portions, and said central tines having an upwardly extended end portion providing attaching prongs, said prongs being extended through one wall of said casing and embedded in the filler to secure the casing and handle together.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

WILLIAM T. ROBERTSON.