A. WITTMANN.

FIRE KINDLER.

APPLICATION FILED DEC. 6, 1913.

1,099,529. Patented June 9, 1914.

Fig. 1.

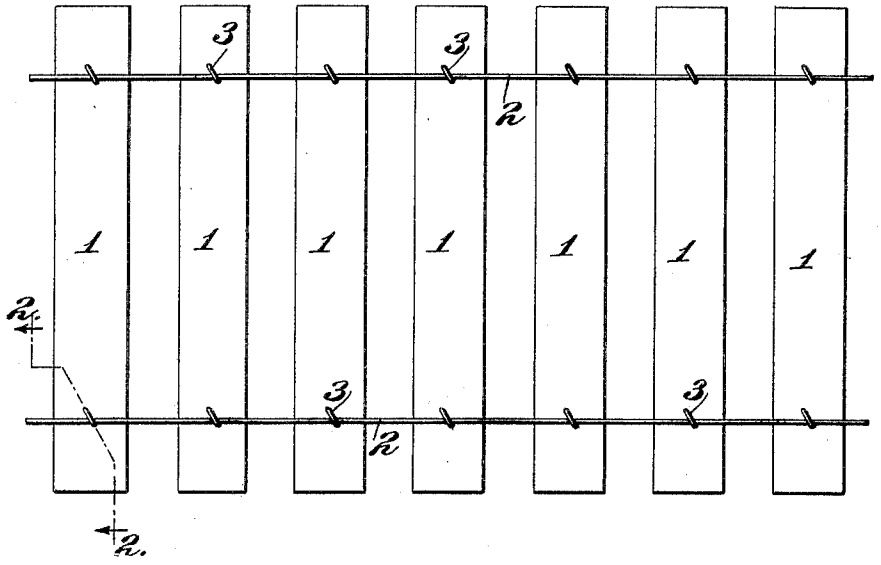


Fig. 2.

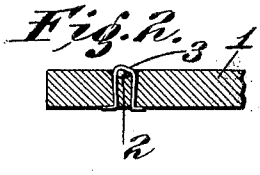


Fig. 3.

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UNITED STATES PATENT OFFICE.

ADOLPH WITTMANN, OF ST. LOUIS, MISSOURI.

FIRE-KINDLER.

1,099,529. Specification of Letters Patent. Patented June 9, 1914.

Application filed December 6, 1913. Serial No. 805,154.

To all whom it may concern:

Be it known that I, ADOLPH WITTMANN, a citizen of the United States, residing in the city of St. Louis and State of Missouri, have invented new and useful Improvements in Fire-Kindlers, of which the following is a specification.

This invention relates to certain new and useful improvements in fire kindlers, and has special reference to improvements in that type of fire kindler shown and described in the patent to Sendlein, No. 908,615, dated January 5th, 1909. According to the invention set forth in said patent the sticks are held in spaced relation by means of wires twisted about them at either end.

It is the object of the present invention to provide means for maintaining the sticks of the kindler in separated relation, which means may be easily and economically utilized, and will yield highly important advantages in operation.

In producing these fire kindlers a relatively long strip of the sticks, bound together in a preferred way, is first made and then the binding medium is separated at every seventh stick. According to my invention the binding medium employed at each end of the sticks is a single strand of wire which is secured to each stick by suitable means, such as a staple, thereby rendering necessary the use of only a single wire, and making the cutting of the wire easy, as it is immaterial at what point in the space between the adjacent sticks the wire is cut.

Having thus set forth in general the nature of the invention, I will now describe the same in detail, referring to the accompanying drawing, in which—

Figure 1 is a plan view illustrating a number of sticks connected in separated relation, in the manner provided by my invention; Fig. 2 is a section on the line 2—2 of Fig. 1; and Fig. 3 is a perspective view of the completed kindler.

Referring now to the drawing, the numeral 1 indicates a series of sticks, preferably seven in number, which are arranged in parallel relation, and have applied thereto at opposite ends on their outer side wires 2 which are secured to each stick by means of staples 3 driven into the sticks at each end and embracing the wires 2. As shown by Fig. 2 these staples are driven in sufficiently to bend the wires 2, and to cause them to indent the surface of the wood so as to form a locking connection with the staples and prevent the wires from being pulled longitudinally through them. The sticks as thus connected are turned upon themselves to form a hollow cylindrical body, as indicated in Fig. 3, into which is inserted a mass of a combustible material 4, which preferably consists of excelsior soaked in combustible hydro-carbon, preferably crude oil. The sticks 1 are likewise impregnated with such crude oil.

The purpose and manner of use of a kindler such as described is well known, and fully set forth in the patent above named, and it need only be stated herein that the single wires 2 will serve to maintain the sticks in separated relation during the burning of the kindler so as to provide draft openings in the same manner as the two-wire construction shown in the said patent.

The wires 2 may be secured to the sticks 1 with great facility, and, as stated above, may be severed between the sticks without care having to be exercised to locate the point of separation.

It will be obvious, of course, that by using only single wires, located on the outer surfaces of the sticks, I secure great economy, in comparison with the prior construction alluded to, while at the same time no advantage possessed by such prior construction is sacrificed.

I claim:

1. A fire kindler composed of a number of sticks held together in substantially parallel separated relation, wires applied to one side thereof toward their outer ends, and secured to the sticks, the sticks thus connected being bent into cylindrical form, and a body of combustible material inclosed by said sticks.

2. A fire kindler comprising a series of sticks, wires applied to one side of said sticks, a series of staples fastening said wires to said sticks, and operating to maintain the latter in separated parallel relation, said sticks being folded into cylindrical form, and a body of combustible material inclosed by said sticks.

3. A fire kindler comprising a series of

sticks, wires applied to the outer side of said sticks near the ends thereof, a series of staples driven into said sticks over said wires and forming a bite therein, whereby to hold the said sticks in separated parallel relation, said sticks being folded into cylindrical form, and a body of combustible material inclosed by said sticks.

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

ADOLPH WITTMANN.

Witnesses:
BRUCE S. ELLIOTT.
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."