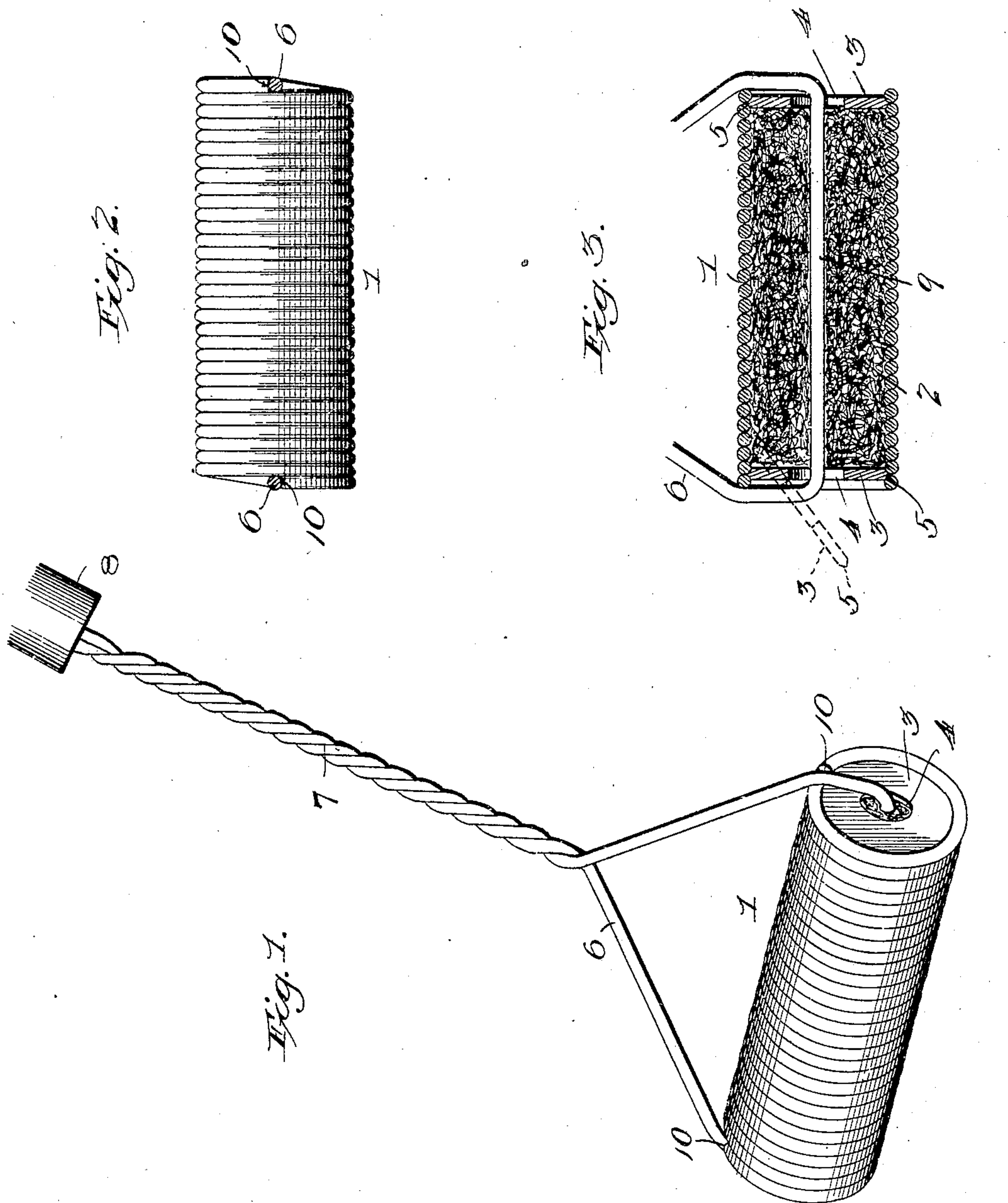


No. 832,266.

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H. E. MARLEY.
FIRE KINDLER.

APPLICATION FILED MAY 3, 1906.



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HOMER E. MARLEY, OF ALEXANDRIA, INDIANA.

FIRE-KINDLER.

No. 832,266.

Specification of Letters Patent.

Patented Oct. 2, 1906.

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To all whom it may concern:

Be it known that I, HOMER E. MARLEY, a citizen of the United States, residing at Alexandria, in the county of Madison and State of Indiana, have invented certain new and useful Improvements in Fire-Kindlers, of which the following is a specification.

This invention relates to the subject of fuel, and has special reference to a simple and practical construction of fire-kindler that can be utilized with facility in kindling fires in stoves and other places.

To this end the invention primarily contemplates an improved type of fire-kindler embodying a perforate or open body carried by a handle and filled with an absorbent filling of non-combustible material, such as mineral wool and asbestos. In this connection the invention contemplates a simple and practical construction of fire-kindler wherein the number of parts are reduced to a minimum and the use of fastenings of any character is dispensed with. This latter object has special reference to the means employed for retaining a filling within the body of the kindler and also for holding the latter in proper relation to its carrying handle or support, in order that the kindler will retain its form and efficiency, and the packing therein will be prevented from shifting or being worked loose.

With these and other objects in view, which will more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

The essential features of the invention involved in carrying out the objects above indicated are exemplified in the accompanying drawings, in which—

Figure 1 is a perspective view of a fire-kindler constructed in accordance with the present invention. Fig. 2 is a plan view showing the carrying-bail on the line 2 2 of Fig. 1 to illustrate the interbracing between said bail and the reversely-disposed terminals of the wire, respectively, at opposite ends of the body. Fig. 3 is a longitudinal sectional view of the kindler.

Like references designate corresponding parts in the several figures of the drawings.

The improved kindler contemplated by the present invention includes in its general organization a tubular coiled-wire body 1, having open ends and whose convolutions

are arranged in close side-by-side relation. However, the contact of the convolutions of the coiled body 1 is not sufficiently tight to entirely close the interstices between the convolutions, but leaves narrow slits providing burner-openings for the flame when the fuel-impregnated filling 2 is lighted.

The filling 2 is of an absorbent non-combustible material and preferably consists of mineral wool and asbestos packed tightly and uniformly into the tubular coiled body 1, so as to fill the entire interior space thereof. This material is firmly packed or compressed into place by the positioning of retaining-heads 3, arranged at opposite ends of the body. These retaining-heads consist of circular metal plates or disks, preferably provided with central feeding-holes 4 and having beveled peripheral edges 5, which are adapted to be forcibly snapped or sprung into interlocking engagement with the terminal convolutions of the coiled body. When thus forced into place, the peripheral edges of the retaining-heads are firmly gripped between the two adjacent terminal convolutions at the ends of the body, so that under ordinary conditions it is impossible to displace said heads; but when it is desired to refill or repack the coiled body or to gain access to the filling for purposes of loosening and renovating when the same has become matted or otherwise impaired it is only necessary to relieve the spring-pressure of the terminal coils on the said retaining-heads to permit the same to be swung out of the ends of the body and onto the end portions of the carrying-bail 6, as plainly shown by dotted lines in Fig. 3 of the drawings.

The carrying-bail 6 is a member of a single length of wire which is twisted into a handle-stem 7, carrying a handle 8 of suitable form, and said bail embraces the coiled body and includes a supporting rod member 9, extending longitudinally through the body and the filling thereof. The end portions of the supporting rod member 9 extend through the feeding-holes 4 of the retaining-heads 3.

Another improvement claimed herein resides in having the exterior end portions of the carrying-bail 6 arranged to abut directly against the terminal shoulders 10, formed by the extremities of the wire at opposite ends of the coiled body. These extremities are necessarily reversely disposed, and hence positively prevent relative rotation of the coiled body and of the handle, thus insuring

rigidity of parts and preventing the loosening
up of the filling by turning of the wire there-
in. The feeding-holes facilitate the satura-
tion of the filling with the liquid fuel and also
5 provide for an end flame, which increases
the lighting area of the device.

I claim—

A fire-kindler comprising a tubular spring-
wire coiled body having its extremities ar-
10 ranged at the ends of the body to present re-
versely-disposed bracing-shoulders arranged
in the same longitudinal plane, retaining-
heads lying entirely inside of the open end
portions of the body and consisting of metal
15 disks provided with central holes, said disks
also being provided with beveled peripheries

sprung into interlocking engagement with
the terminal convolutions of the spring-wire
body, an absorbent filling, and a handle con-
sisting of a single length of wire bent to form 20
a bail portion extending through the body
and the central holes of the retaining-heads,
the end members of said bail portion having
a bearing engagement with said bracing-
shoulders at the ends of the wire body. 25

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

HOMER E. MARLEY.

Witnesses:

J. E. HALL,
EDNA PIERCE.