

(No Model.)

W. J. BENNETT.
FIRE KINDLER.

No. 569,910.

Patented Oct. 20, 1896.

Fig. 1.

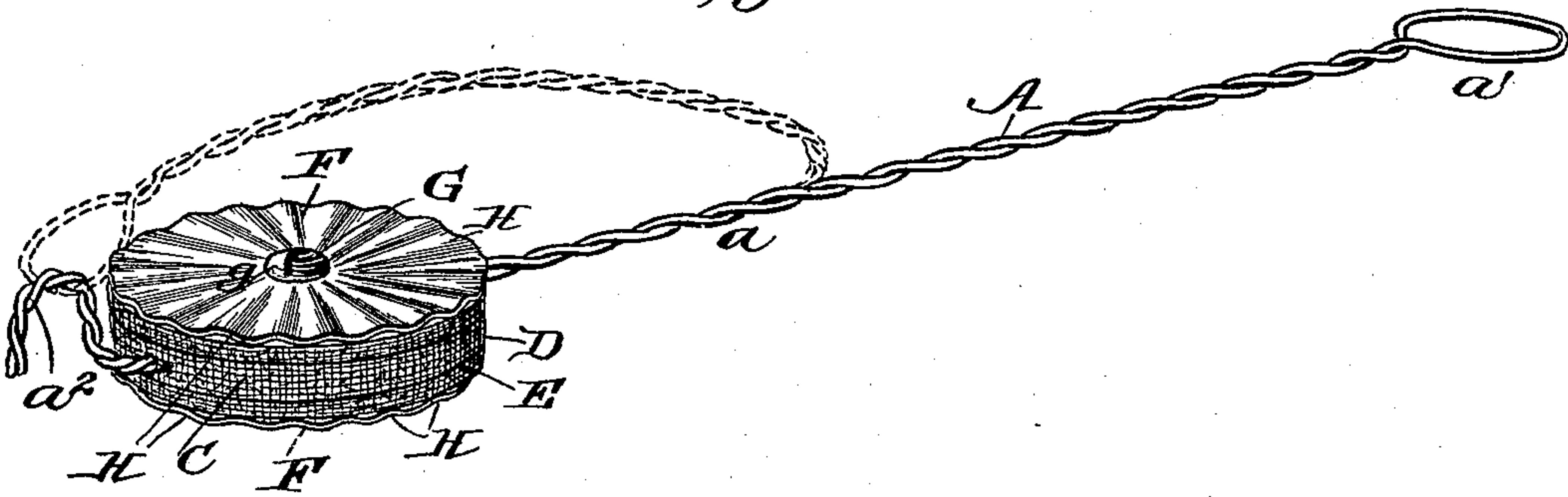


Fig. 2.

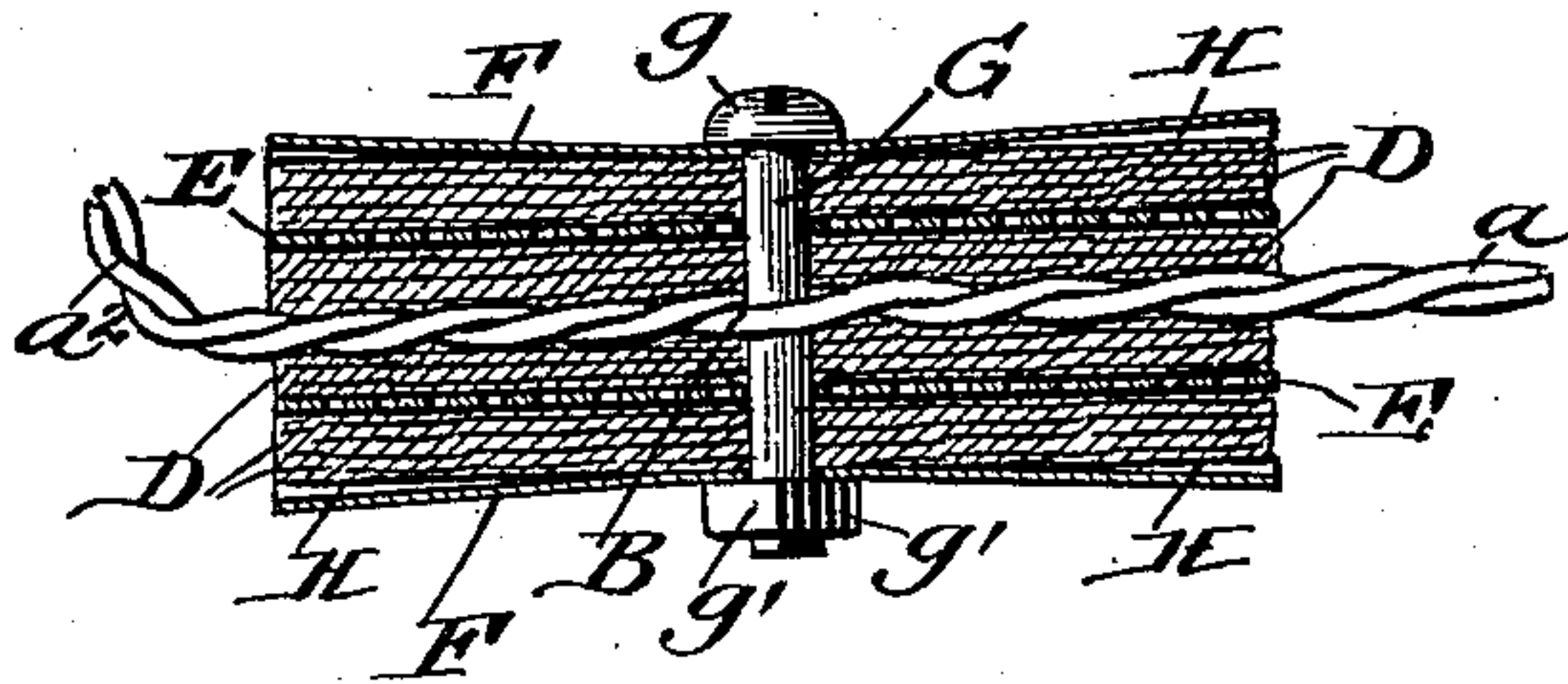


Fig. 3.

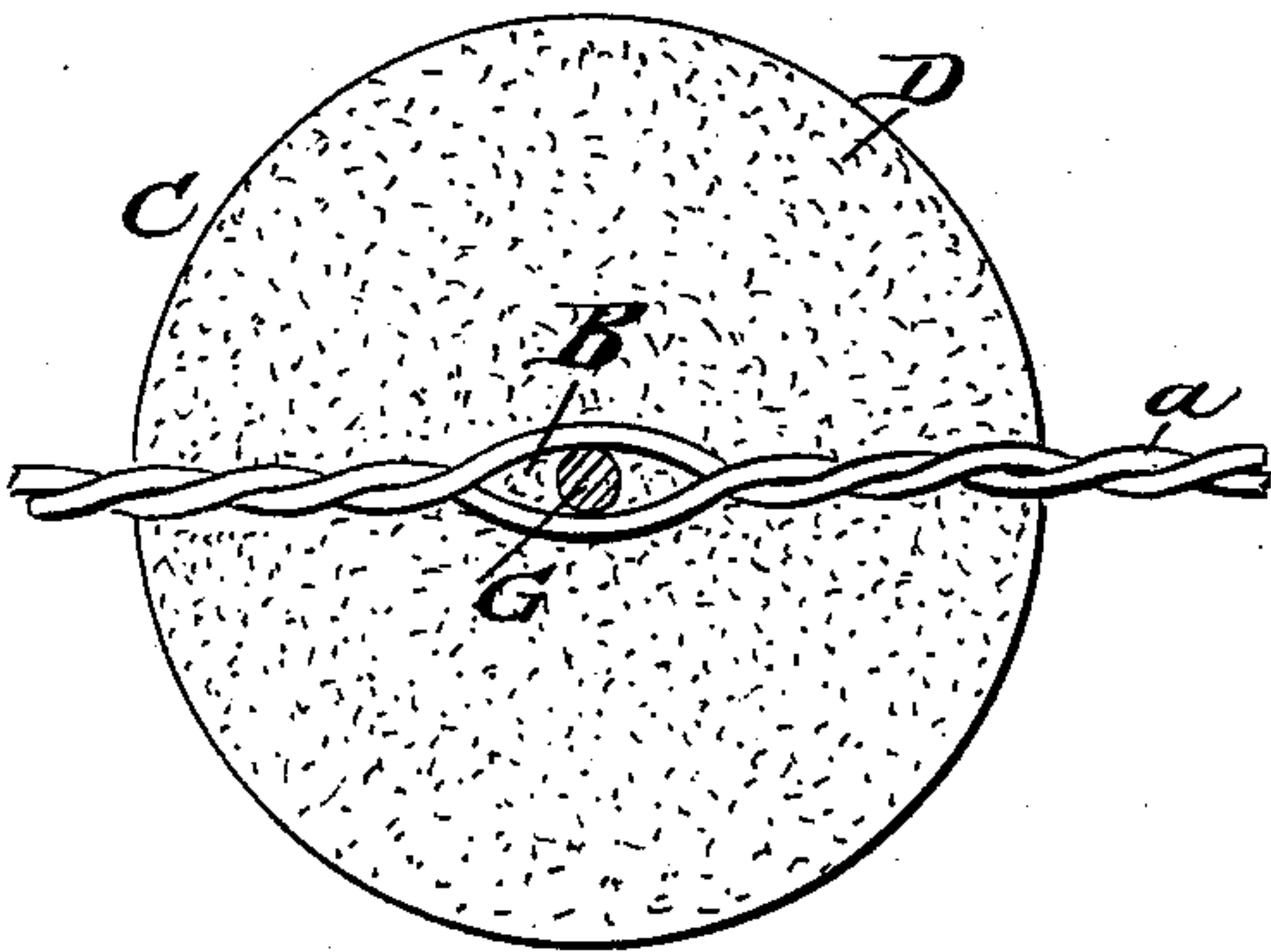
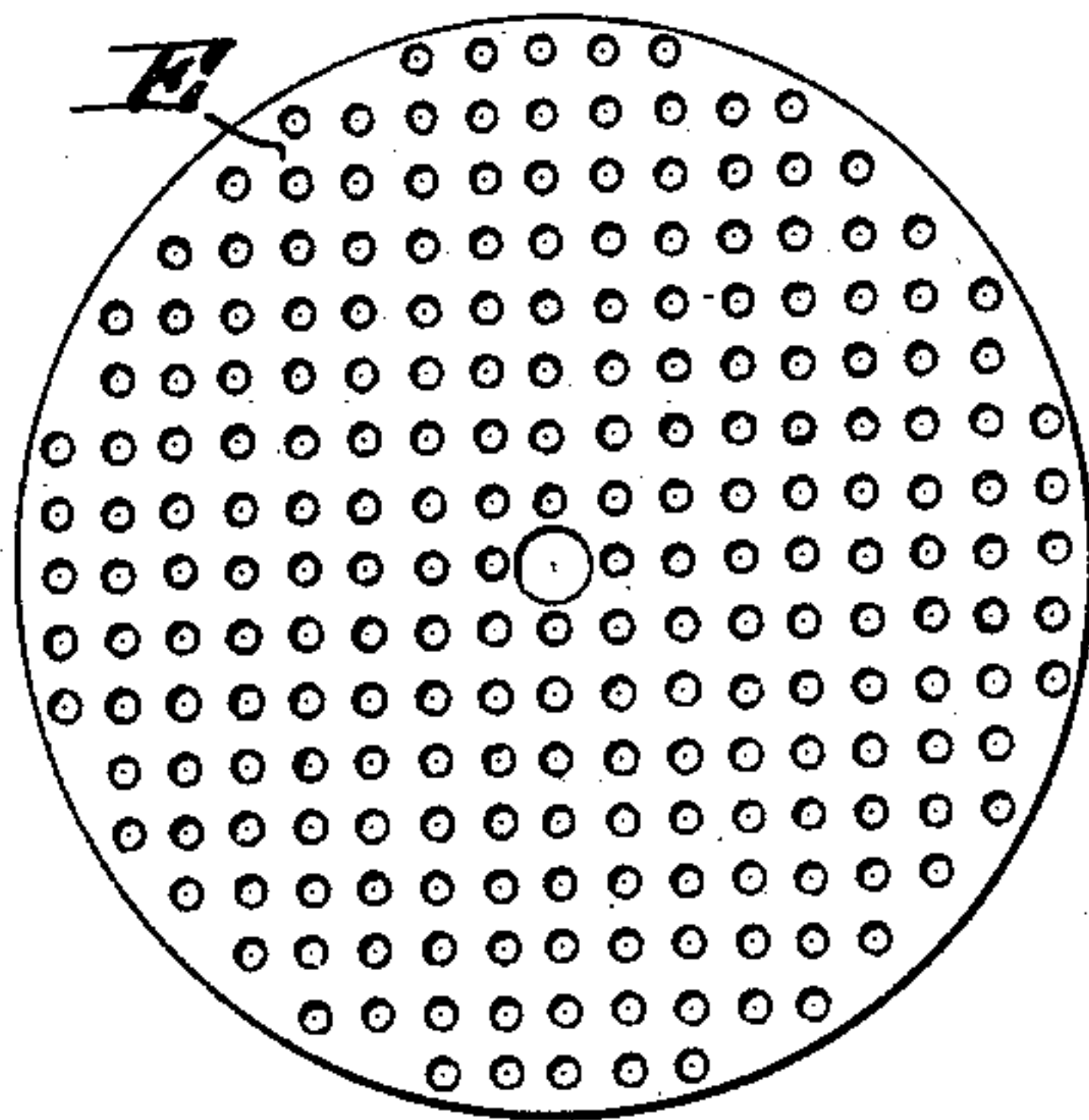


Fig. 4.



WITNESSES:

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FIRE-KINDLER.

SPECIFICATION forming part of Letters Patent No. 569,910, dated October 20, 1896.

Application filed January 31, 1896. Serial No. 577,566. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. BENNETT, of Fond du Lac, in the county of Fond du Lac and State of Wisconsin, have invented an Improved Fire-Kindler, of which the following is a specification.

This invention relates generally to fire-kindlers, and particularly to that class thereof known as "absorbent" kindlers, in which an absorbent body is filled with oil or similar liquid combustibles in order to start a fire.

The object of my invention is to provide a kindler which is exceedingly cheap and simple in construction, one which can be easily placed in operation, and one which will consume all the oil absorbed thereby, and thus economize in the use of oil, and at the same time provide a kindler which will burn steadier and longer than one in which the combustion is not so complete.

With these objects in view my invention consists in the peculiar construction and arrangement of the various parts, all of which will be fully described hereinafter, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a view showing my improved fire-kindler, the handle being shown folded in dotted lines. Fig. 2 is a sectional view. Figs. 3 and 4 show details of construction.

In carrying out my invention I employ a suitable handle A, which is preferably formed of wire twisted together to provide a suitable shank *a*, a loop or ring *a'* at the rear end, and a hook *a''* at the forward end.

Near the forward end the twists in the wire are separated some distance to provide a loop B, the purpose of which will appear hereinafter.

The absorbent body C is in the shape of a low or flat cylinder, and is preferably composed of a series of asbestos disks D, separated at suitable intervals by means of metallic disks E of foraminous form, and upon the upper and lower faces of the asbestos disks are arranged the upper and lower metallic plates F.

The upper and lower metal plates, the intermediate foraminous metal plates, and the asbestos disks are all perforated centrally to

receive a binder screw or rivet G, having a head *g* at one end, and upon the opposite end is fitted a nut *g'*, by means of which all of the various parts composing the absorbent body are closely united. The binding screw or rivet passes through a loop B in the handle, as clearly shown, by means of which the absorbent body is connected to said handle. The upper and lower metallic disks are radially corrugated or fluted, as shown at H.

Now in operation the absorbent body is soaked in the can of coal-oil or kerosene, or other inflammable liquid, and thoroughly impregnated with said combustible. When it is desired to light the fire, the absorbent body is withdrawn from the combustible, lighted and placed beneath the grate supporting the fuel to be lighted, and the hook *a''*, at the forward end of the handle, serves the purpose of holding the kindler in place under said grate, inasmuch as said hook is fastened to one of the bars of said grate.

The fluted or corrugated surfaces of the upper and lower metal plates form a series of channels for the heat to pass to the center of the absorbent body, thus completely vaporizing all of the liquid combustible contained within said absorbent body, including that at the center, and the foraminous metallic disks also conduct the heat rapidly from the sides of said body to the interior thereof, thus aiding materially in the vaporization of the combustible at the center.

The handle being constructed of wire can be bent around, as shown in dotted lines, Fig. 1, whenever desired, to bring the loop *a'* into engagement with the hook *a''*, thus forming a more compact body for the purpose of shipping.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An improved fire-kindler, comprising a suitable handle, and an absorbent body arranged thereon, said absorbent body consisting of a series of asbestos disks, upper and lower metallic disks, and intermediate metallic disks of foraminous construction, substantially as shown and described.

2. An improved fire-kindler, comprising a suitable handle, having a hook at one end,

and a loop at the other, of an absorbent body
arranged upon said handle, said absorbent
body consisting of a series of asbestos disks,
upper and lower metallic disks radially cor-
5 rugated or fluted, and intermediate forami-
nous metallic disks arranged between the as-
bestos disks, all of said parts being held to-
gether by means of a suitable binding screw

and nut, substantially as shown and de-
scribed. 10

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

W. J. BENNETT.

Witnesses:

P. G. VAN BLARCOM,
ALEX G. DANA.