

(No Model.)

W. J. BOWLES & J. LAYTON.  
FIRE KINDLER.

No. 597,943.

Patented Jan. 25, 1898.

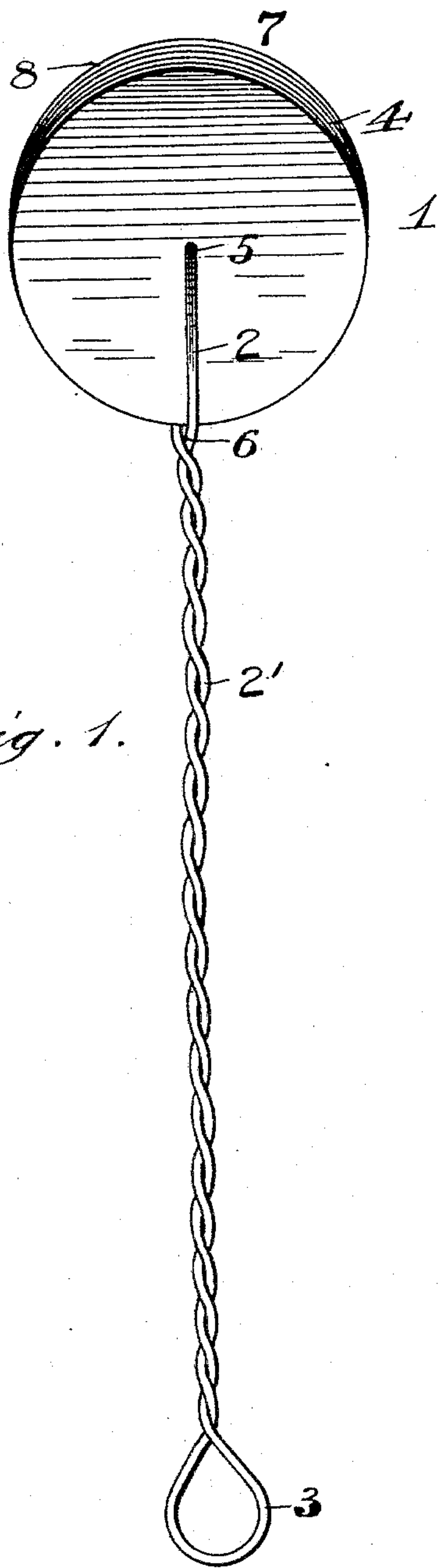


Fig. 1.

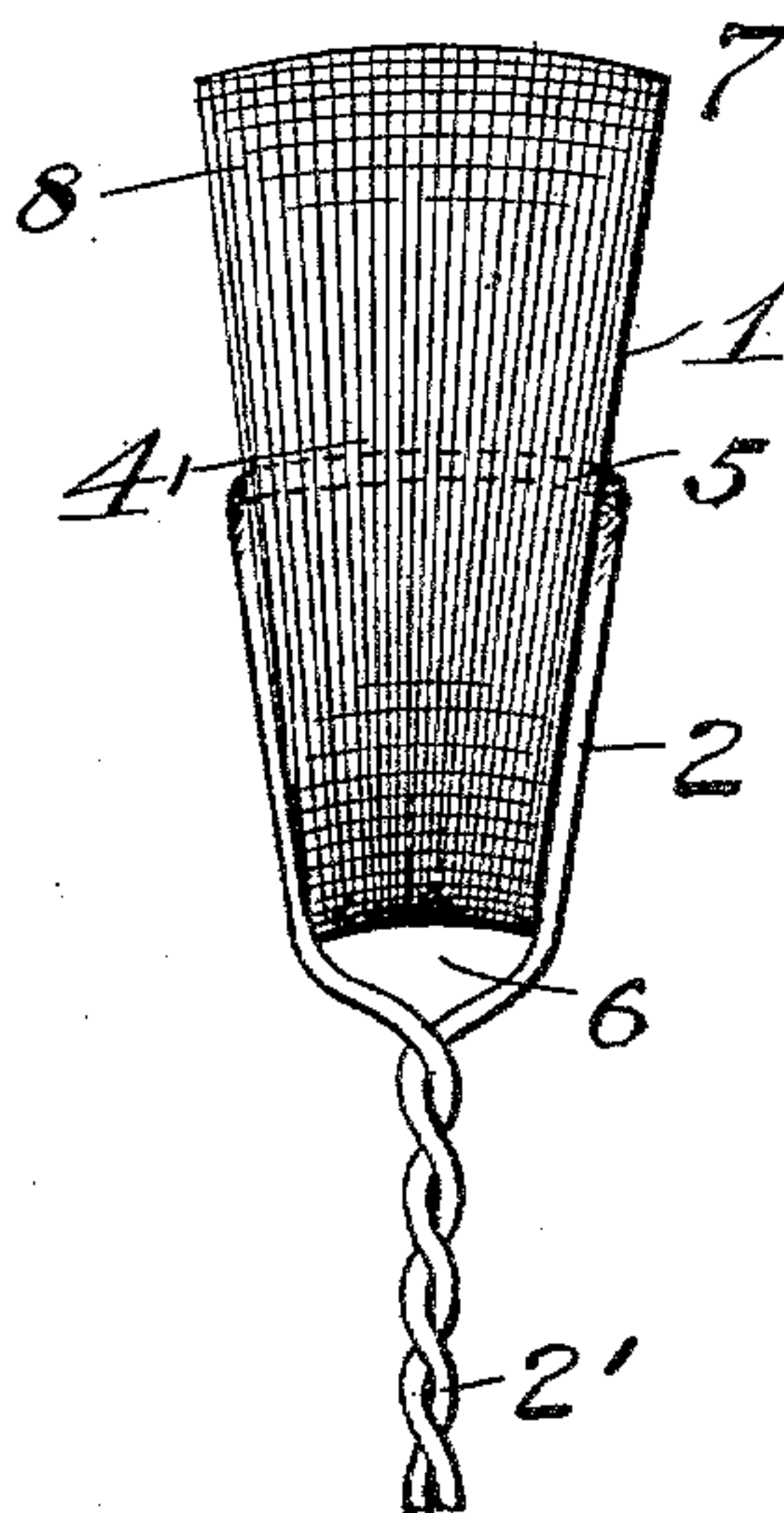


Fig. 2.

Witnesses:  
Frank L. Orvand.  
H. E. Rabbit.

Inventors:  
W. J. Bowles  
Joseph Layton  
By John S. Duffie Attorney

# UNITED STATES PATENT OFFICE.

WALTER J. BOWLES AND JOSEPH LAYTON, OF CUSTER, SOUTH DAKOTA;  
SAID BOWLES ASSIGNOR TO HENRY PILGER, OF SAME PLACE.

## FIRE-KINDLER.

SPECIFICATION forming part of Letters Patent No. 597,943, dated January 25, 1898.

Application filed July 8, 1897. Serial No. 643,913. (No model.)

*To all whom it may concern:*

Be it known that we, WALTER J. BOWLES and JOSEPH LAYTON, citizens of the United States, residing at Custer, in the county of Custer and State of South Dakota, have invented certain new and useful Improvements in Fire-Kindlers; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention is a fire-kindler; and it consists in the novel construction and arrangement of its parts.

In the accompanying drawings, Figure 1 is a side view of our invention. Fig. 2 is an edge view with part of the handle cut away.

Our invention is described as follows:

1 is the bulb.

2 is the wire forming the handle 2'.

3 is the eye of the handle.

The bulb consists of quite a quantity of circular sheets of mica 4, having through each sheet at its center a perforation 5, and through these perforations is inserted the wire 2. Said wire is brought together near the periphery of these sheets of mica at one point, which we mark 6, and said wire is brought so tightly together as to bind the edges of said sheets at that point perfectly close together and cause them to stand out at the point 7, immediately opposite the point 6, leaving between each sheet a slight space 8. Then the wire is twisted, forming the handle 2', which may be formed into an eye 3 and the two ends secured together.

The object in having the bulb made of mica

is that it may be indestructible by fire, as mica is fireproof. The little spaces 8 between the sheets of the bulb are that the bulb may more readily take up the oil, gasolene, or other inflammable matter in which it is immersed to render it ignitable.

In use the bulb of the fire-kindler is placed in a vessel of coal-oil, kerosene, or other inflammable material, and when we desire to make a fire we remove the kindler and place it in the stove and pile the wood over it. We then touch a match to the bulb. A flame is immediately produced and kindles the fire. Then the kindler may be removed.

A kindler having its bulb made of mica will last a great number of years, if taken care of, because mica is indestructible by fire.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A fire-kindler consisting of the bulb 1, composed of circular sheets of mica flared at one edge leaving between each sheet at such edge a space 8, and each sheet having in its center a perforation 5; wire 2, passing through the perforations 5, and twisted together at the point 6, forming a handle 2', substantially as shown and described and for the purposes set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

WALTER J. BOWLES.  
JOSEPH LAYTON.

Witnesses:

S. L. CAPER,  
C. E. SMITH.