

(No Model.)

W. J. BOWLES, E. CAMPBELL & O. REDER.
FIRE KINDLER.

No. 565,599.

Patented Aug. 11, 1896.

Fig. 1.

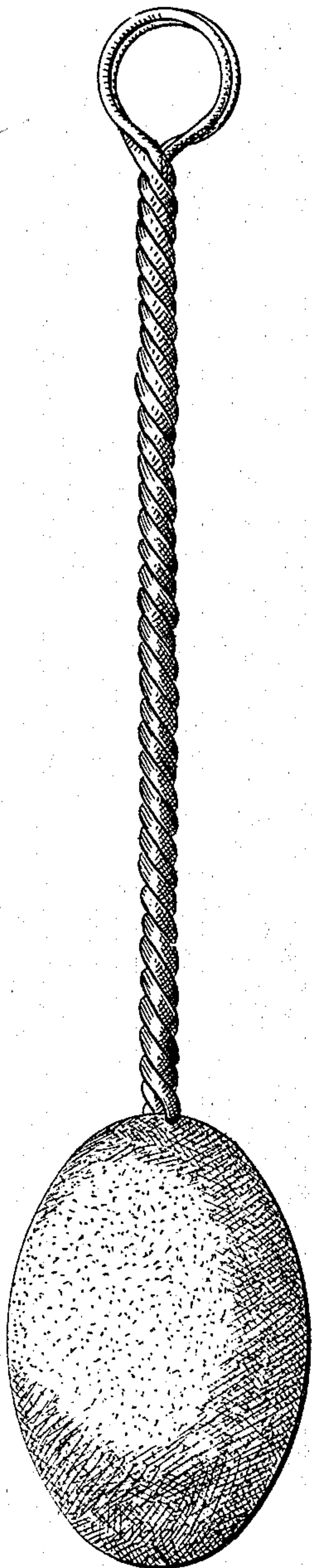
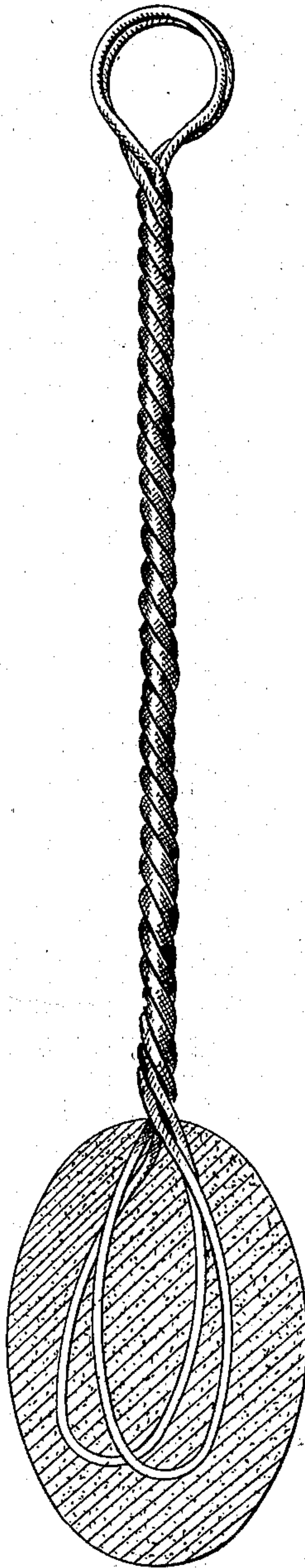


Fig. 2.



Witnesses:

Frauck L. Ouraud.

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By John S. Duffie Attorney.

UNITED STATES PATENT OFFICE.

WALTER JACKSON BOWLES, EDWARD CAMPBELL, AND ODO REDER, OF
CUSTER, SOUTH DAKOTA.

FIRE-KINDLER.

SPECIFICATION forming part of Letters Patent No. 565,599, dated August 11, 1896.

Application filed January 4, 1896. Serial No. 574,342. (No model.)

To all whom it may concern:

Be it known that we, WALTER JACKSON BOWLES, EDWARD CAMPBELL, and ODO REDER, citizens of the United States, residing at Custer city, 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 of such a composition of matter as makes a good absorbent of oils, said composition being attached to a handle.

In the accompanying drawings, Figure 1 is a perspective view of our invention. Fig. 2 is a sectional view of the bulb and a perspective view of the handle.

Our invention is described as follows:

The handle consists of twisted wire having a loop by which the kindler may be held or hung up, while the other end, the end to which the bulb is secured, has two oblong loops standing out a little from each other, the better to hold the composition. The bulb is preferably egg-shaped.

The bulb consists of one-third fire-clay, one-third black loam, one-ninth mica, fine grained, and two-ninths fullers' earth. The whole is

then thoroughly ground and mixed with water and kneaded into a stiff dough. The dough is then worked in and around the oblong loops until it solidly adheres thereto, and is finally formed preferably in the shape of an egg. The bulb so formed is then slowly dried until it is thoroughly dry. It is then placed in a fire of high heat and burned. The bulb is then thoroughly saturated with oil, coal-oil preferred.

When the bulb has absorbed a sufficient quantity of oil, it is removed from the vessel containing the oil and rolled in a bed of wood or coal ashes. It can then be ignited with a match.

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

A composition of matter for absorbent fire-kindlers, consisting of one-third fire-clay, one-third black loam, one-ninth mica, finely grained, and two-ninths fullers' earth, mixed with water, substantially as set forth.

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

WALTER JACKSON BOWLES.

EDWARD CAMPBELL.

ODO REDER.

Witnesses:

C. E. SMITH,

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