

No. 715,166.

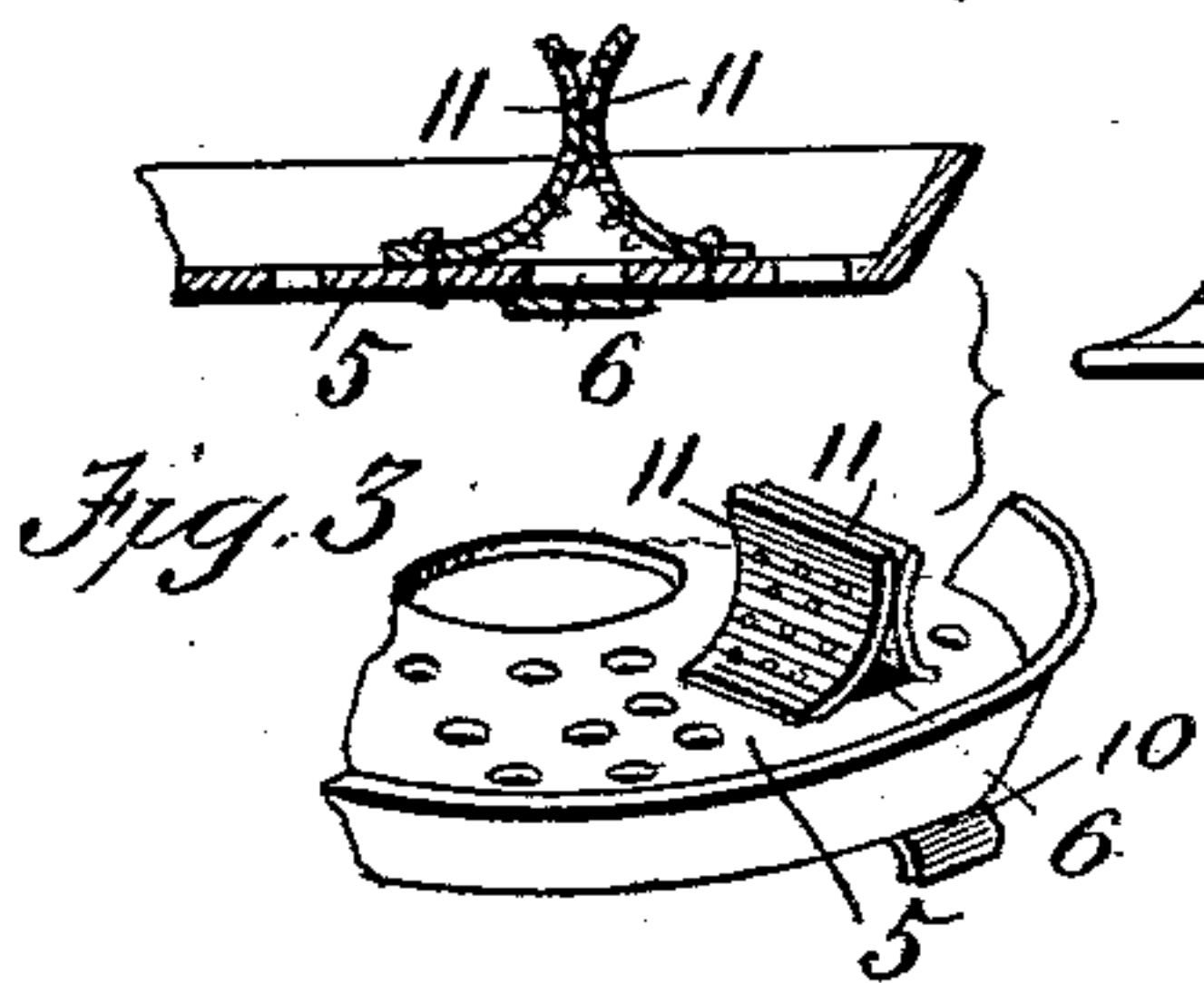
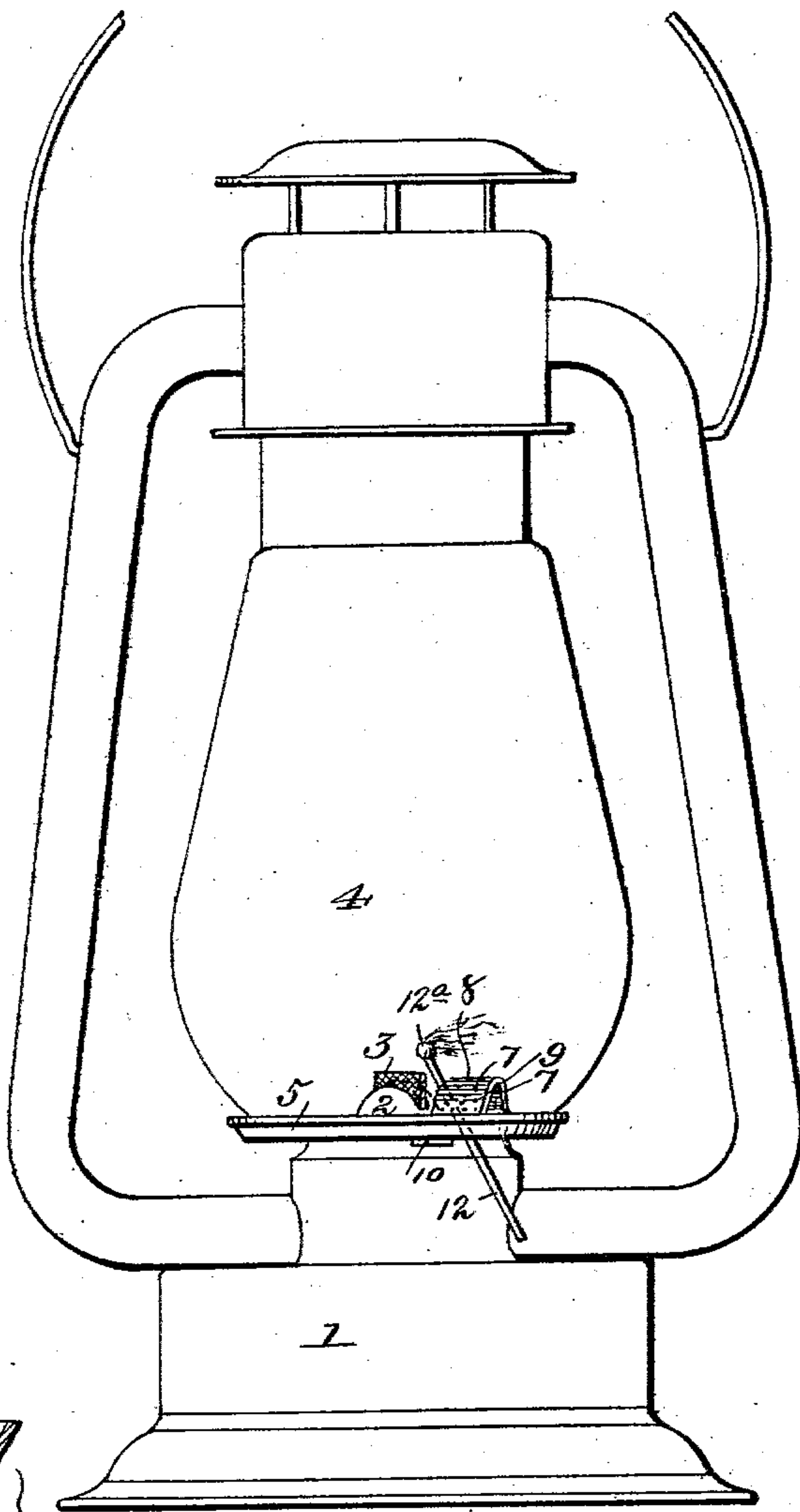
Patented Dec. 2, 1902.

F. C. SMITH.
LANTERN LIGHTER.

(Application filed May 12, 1902.)

(No Model.)

Fig. 1.



Witnesses:
F. L. Curran.

J. G. Radelfinger.

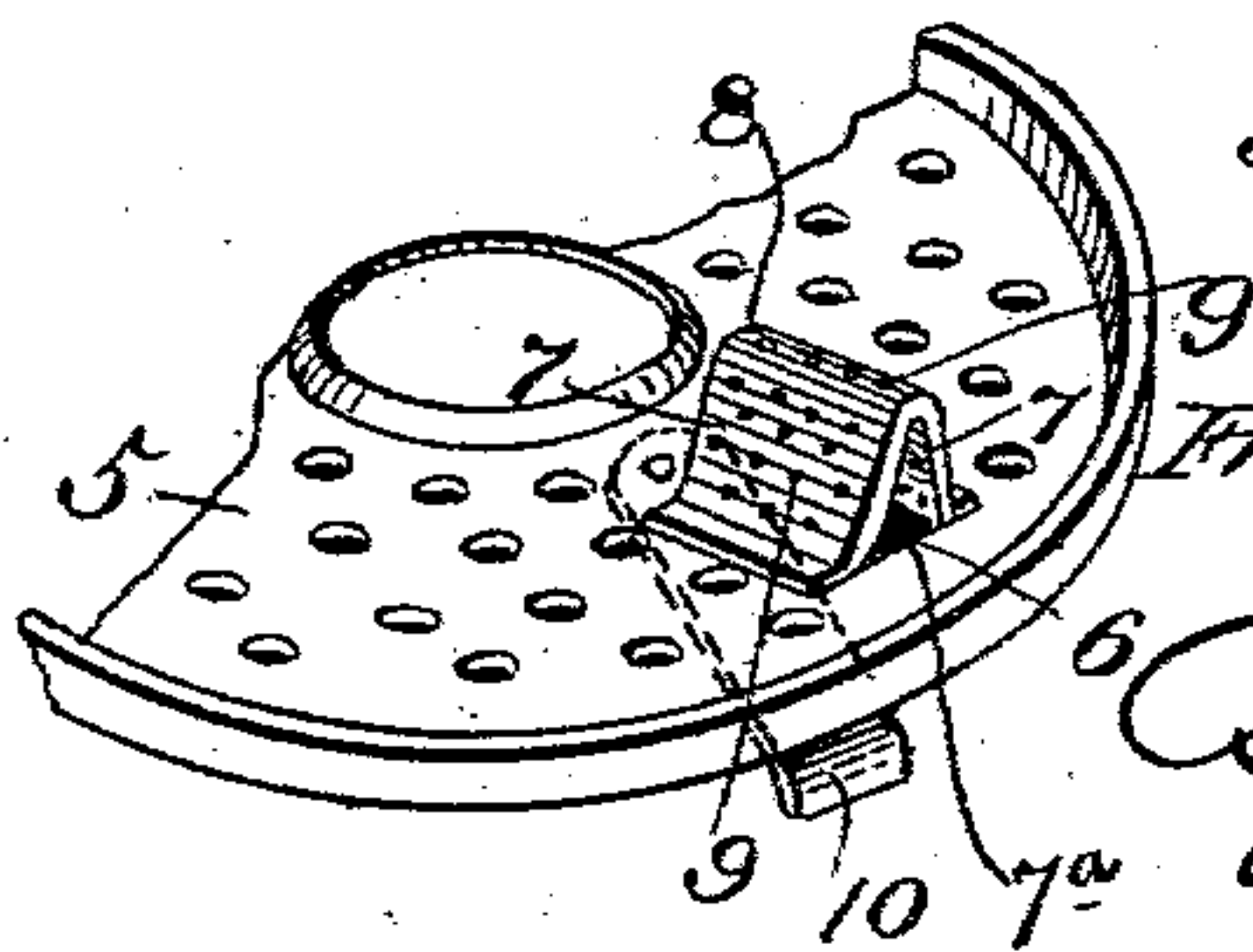


Fig. 2.

Inventor:

Fred Clinton Smith,

By Law Sargent & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

FRED CLINTON SMITH, OF DELAVAN, WISCONSIN.

LANTERN-LIGHTER.

SPECIFICATION forming part of Letters Patent No. 715,163, dated December 2, 1902.

Application filed May 12, 1902. Serial No. 106,982. (No model.)

To all whom it may concern:

Be it known that I, FRED CLINTON SMITH, a citizen of the United States, residing at Delavan, in the county of Walworth and State of Wisconsin, have invented new and useful Improvements in Lantern-Lighters, of which the following is a specification.

My invention relates to lamp-lighters; and the object of the same is to construct a device of this character which can be mounted on a lantern and will enable one to light the same with a match when the wind is blowing.

The novel construction devised by me for carrying out my invention is fully described in this specification and claimed, and illustrated in the accompanying drawings, forming a part thereof, in which—

Figure 1 is a side elevation of a lantern with my device attached thereto, showing the application of my device. Fig. 2 is a perspective of the lighter and a fragment of the lantern. Fig. 3 is a detail perspective and section of a modified form of my device.

Like numerals of reference designate like parts in the different views of the drawings.

The numeral 1 designates a lantern which is provided with a burner having a wick 3 therein. A globe 4 covers the burner and is supported on a perforated ring 5, fitting over the burner 2. The ring 5 is pierced at 6 by an elongated aperture, and mounted over said aperture 6 is my lighter, which comprises two converging sides 7, connected at 8 to form a roof or inverted-V-shaped structure. The inner faces 7^a of the sides 7 are serrated or roughened by the inwardly-turned edges of perforations 9, which pierce the sides 7, and thereby form a grater-like surface on the inner faces 7^a.

The lighter is designed to be located in alinement with the slot in the burner 2; but

if the ring should rotate it can easily be turned back by hand. The sides 7 are shown as soldered to the ring 5; but they may be attached in any suitable manner. A slide 10 serves to close the aperture 6 and prevents the entrance of wind. I may also substitute two curved resilient tongues 11 for the rigid sides 7, as shown in Fig. 3.

In operation the wick 3 is turned up and a match 12 inserted head first between the converging sides 7 and pushed toward the burner. The head 12^a of the match will engage both sides 7 and be ignited by friction, after which it can be pushed in farther to light the wick 3. The triangular ends, corresponding to the gables of a roof, enable the match to be withdrawn without crumbling it.

I do not wish to be limited as to details of construction, as these may be modified in many particulars without departing from the spirit of my invention.

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

In a lamp-lighter, the combination with a support having an aperture therein to permit the insertion of a match, a roof-shaped lighter spanning said aperture and having converging serrated sides adapted to engage the head of a match, the triangular ends of said roof-shaped lighter being open to permit the unobstructed withdrawal of the burned match thereby avoiding the crumbling of the match, substantially as described.

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

FRED CLINTON SMITH.

Witnesses:

A. H. KENDRICK,
KENNETH HOLLISTER.