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WILLIAM C. WINFIELD.

Miners' Lamp.

No. 126,606.

Patented May 7, 1872.

Fig. 1.

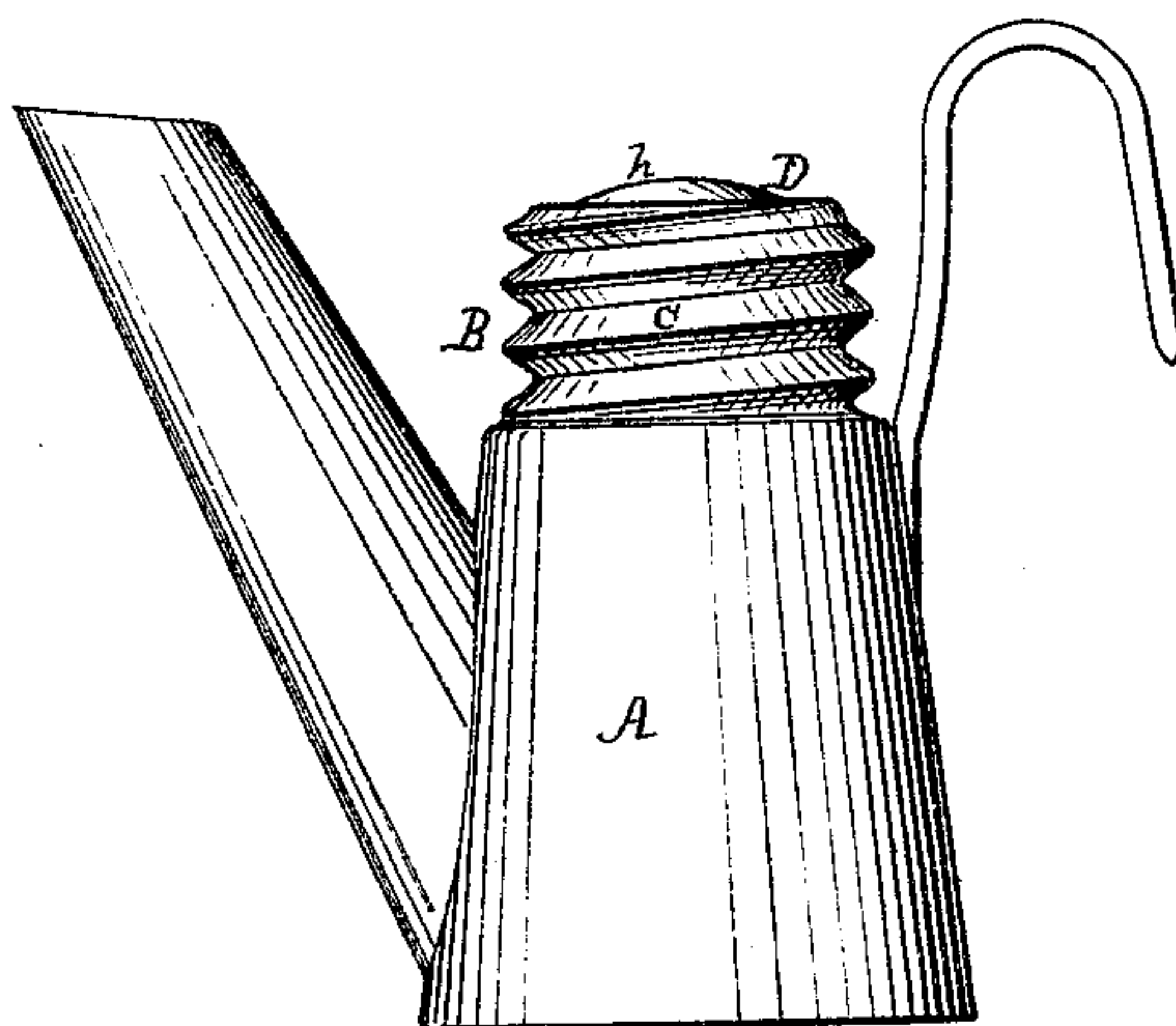
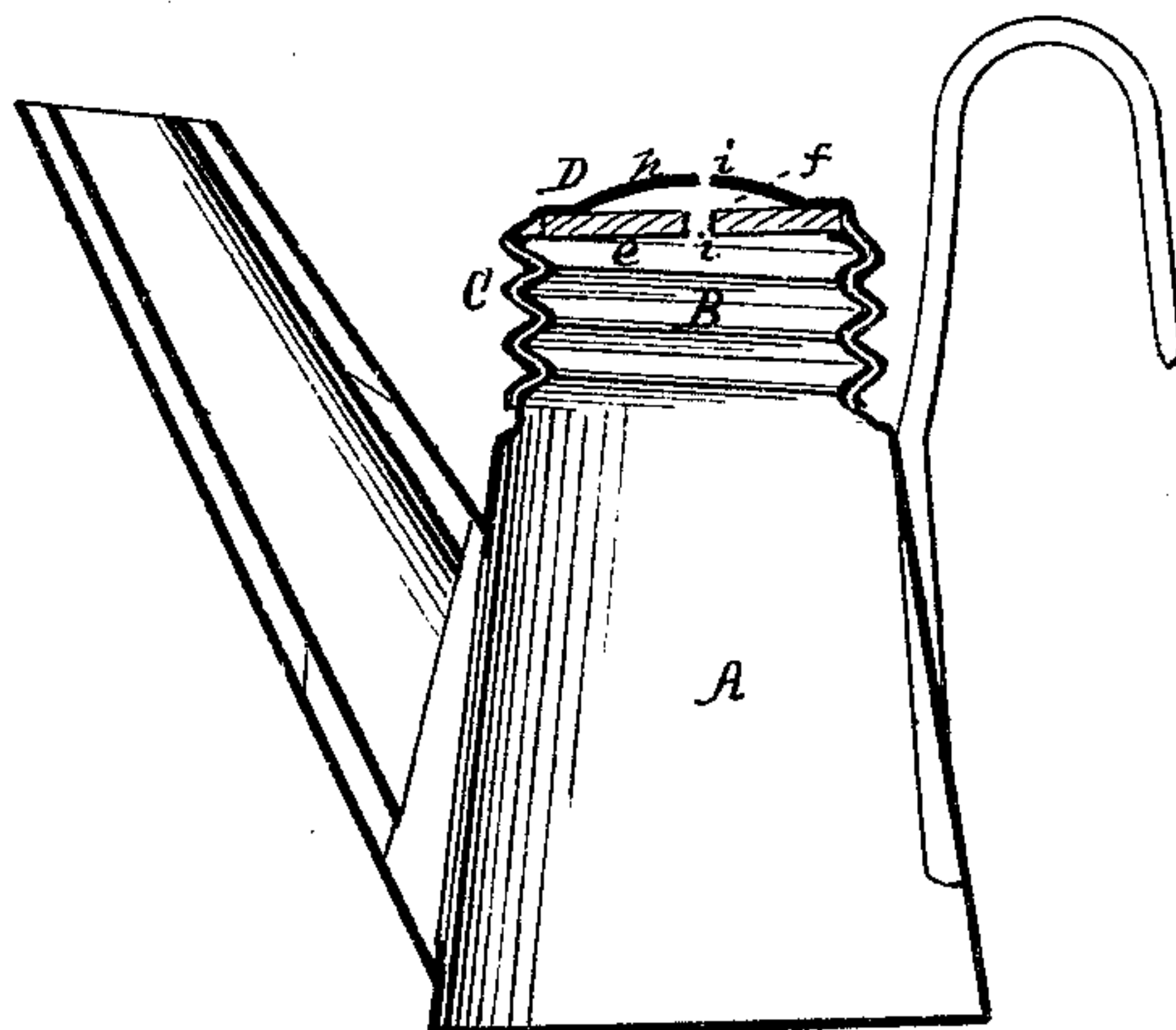


Fig. 2.



Witnesses:

Wm. D. Patten
D. R. Fowler

Inventor:

William C. Winfield
By J. J. Johnston & Bro
his attorneys

UNITED STATES PATENT OFFICE.

WILLIAM C. WINFIELD, OF HUBBARD, OHIO, ASSIGNOR TO HIMSELF, JOHN R. WINFIELD, AND THOMAS A. WINFIELD, OF SAME PLACE.

IMPROVEMENT IN MINERS' LAMPS.

Specification forming part of Letters Patent No. 126,606, dated May 7, 1872.

To all whom it may concern:

Be it known that I, WILLIAM C. WINFIELD, of Hubbard, in the county Trumbull and State of Ohio, have invented a new and useful article of manufacture called "Miners' Lamp;" and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and the letters of reference marked thereon.

The nature of my invention consists in securing the lid or cap of the ordinary "miners' lamp" to its body through the medium of screw-threads in the cap and on the neck of the lamp, the cap being furnished with an elastic packing-disk, air-chamber, and openings for the ingress of air.

To enable others skilled in the art to make and use my new article of manufacture, I will proceed to describe its construction.

Figure 1 is a side elevation of my new article of manufacture—viz., a miner's lamp. Fig. 2 is a vertical section of the same.

The body A of the lamp is constructed in the usual manner, but the neck B is provided with screw-threads, which are fitted to the screw-threads in the flange C of the cap D.

The cap is provided with an elastic disk, *e*, of cork, rubber, or other material. Above this disk is an air-chamber, *f*, formed by making the end of the cap spherical, as shown at *h*. The end *h* and disk *e* are each provided with an opening, *i*, for the ingress of air. By providing the cap with an elastic packing-disk combined with the screw-threads of the cap and neck of the lamp, all leakage of oil will be prevented, and through the medium of the chamber *f* and openings *i* air will be admitted into the body A, thereby causing the oil to feed the wick properly. The air-chamber *f*, elastic packing-disk *e*, and openings *i*, combined with the screw-threads of the cap and neck are the improvements of this lamp over that granted to me May 23, 1871, No. 115,143.

What I claim is—

A new article of manufacture—viz., a miner's lamp, constructed as described and shown, and provided with a screw-cap, furnished with an elastic packing-disk, *e*, chamber *f*, and air-openings *i*, as herein set forth.

WM. C. WINFIELD.

Witnesses:

A. CLARKE JOHNSTON,
JAMES J. JOHNSTON.