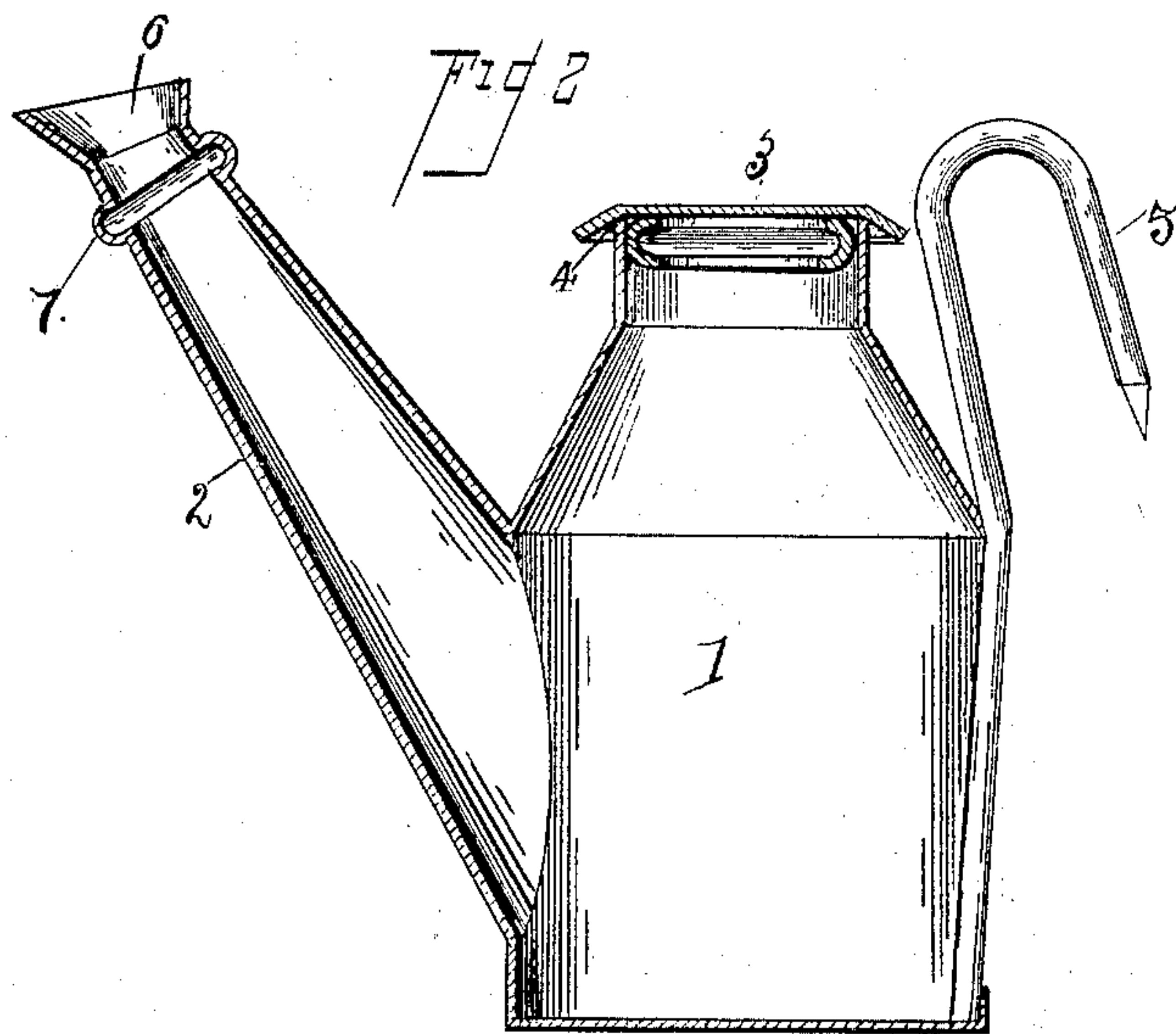
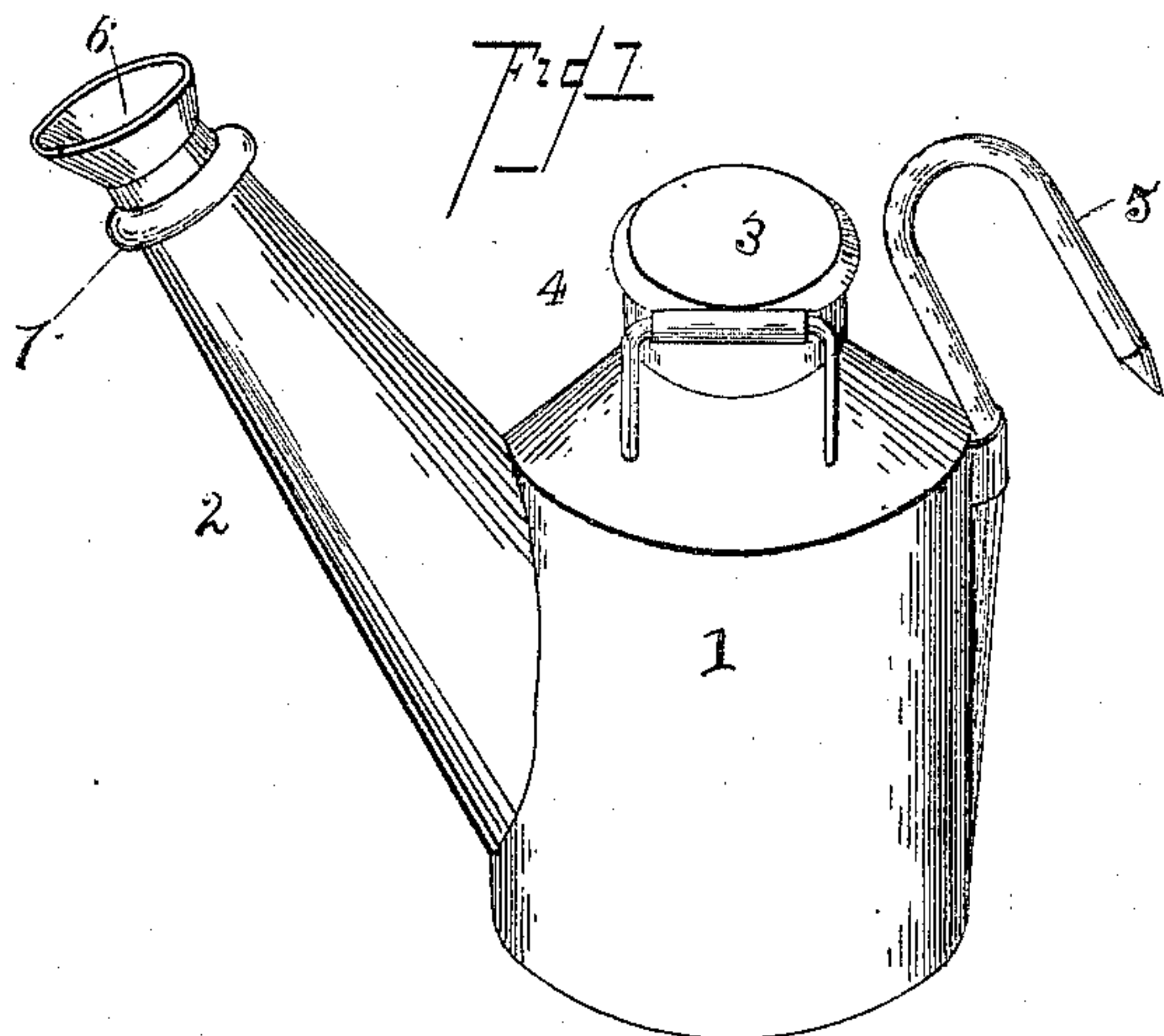


(No Model.)

P. J. MILLER.
MINER'S LAMP.

No. 435,120.

Patented Aug. 26, 1890.



Witnesses

T. Willoughby
H. P. Riley

Inventor

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By his Attorneys

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UNITED STATES PATENT OFFICE.

PETER J. MILLER, OF UPPER LEHIGH, PENNSYLVANIA.

MINER'S LAMP.

SPECIFICATION forming part of Letters Patent No. 435,120, dated August 26, 1890.

Application filed March 27, 1890. Serial No. 345,523. (No model.)

To all whom it may concern:

Be it known that I, PETER J. MILLER, a citizen of the United States, residing at Upper Lehigh, in the county of Luzerne and State of Pennsylvania, have invented a new and useful Miner's Lamp, of which the following is a specification.

This invention relates to improvements in miners' lamps.

10 The object of the invention is to provide a miner's lamp which will prevent the oil spilling from the wick-tube when a miner is at work and in a stooping position, and in which the oil will either be consumed by the flame
15 or returned to the lamp.

The invention consists in the construction and novel combination and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings, and pointed
20 out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a miner's lamp constructed in accordance with this invention. Fig. 2 is a vertical sectional view.

25 Referring to the accompanying drawings, 1 designates the body of a miner's lamp, which is constructed of suitable metal and provided with an inclined wick-tube 2 and a hinged cap 3, that closes the opening 4, and the said
30 lamp is provided with the usual hook 5, that enables the lamp to be readily attached to the hat. The mouth or end 6 of the wick-tube 2 is flaring or funnel-shaped and brings the flame within the wick-tube to consume any
35 oil that may flow past an annular groove 7, and to prevent the oil spilling over the miner. The wick-tube 2 is provided below the flaring

mouth 6 with the annular groove 7, that is formed by beading the metal or by other suitable means, and when the lamp is tilted 40 it is adapted to receive any oil that may drain through the wick and prevent the oil passing out of the tube, and it allows the oil when the lamp is in a vertical position to drain back.

It will readily be seen that the oil draining 45 through the wick when the lamp is tilted will be received and retained in the annular groove 7, and should the groove become too filled the overflow will be consumed by the flame and be prevented spilling. 50

From the foregoing description and the accompanying drawings the construction, operation, and advantages of the invention will readily be understood.

Having thus described my invention, I 55 claim—

1. A miner's lamp having a wick-tube provided with an annular groove 7, forming a receptacle for oil draining through the wick, and adapted to return the oil to the body of 60 the lamp, substantially as and for the purpose described.

2. A miner's lamp having its wick-tube provided with a flaring mouth 6 and an annular groove 7, arranged beneath the flaring mouth, 65 substantially as and for the purpose described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

PETER J. MILLER.

Witnesses:

PHILIP V. WEAVER,
CHARLES W. BARBER.