

Another Grier cap lamp (not shown) bears an identical top stamping to the "octagon" Grier, but differs in the following ways.

- The water tank is of the standard teacup shape found on the common vertical Griers.
- The water lever is of the swan-neck shape found on the common vertical Griers.
- The water door bears an eight-point star stamping.
- The cross-brace is a flat strip.
- The push-on reflector is soldered in place.

This lamp represents an intermediate design between the "octagon" and the common "vertical" Grier and exists in both the Dave Thorpe and Len Gaska collections.



"Umbrella" Lamps by Len Gaska

Hand lamp use in the United States occurred primarily in the western states. That is, in metal mining rather than coal mining. One of the problems with the use of hand lamps in the west was the presence of water in many mines. Although the problem was not severe for the conventional design where the burner tip was horizontal, water posed a problem for hand lamps with a vertically oriented burner. Although the vertical burner arrangement is common in European hand lamps, the author is aware of only a few American companies that made hand lamps with vertical burners. The most well known example is the Justrite "Uncle Sam," an aluminum hand lamp dating from the late teens. An optional water umbrella was available for the Uncle Sam (illustrated).



**EQUIPPED WITH
UMBRELLA**
Nos. 307, 309, 311.

Umbrella

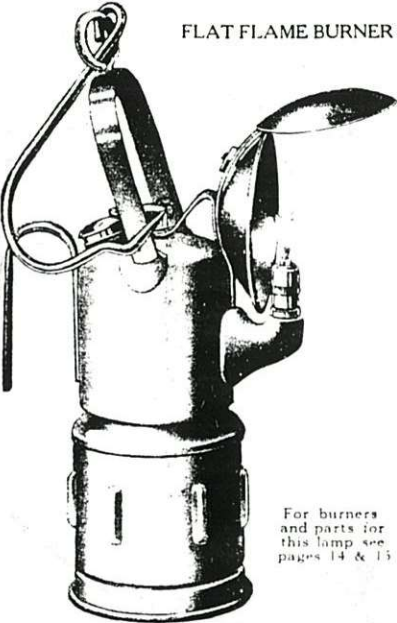


No. 324.

For all Lamps.

FLOAT FEED
IT'S TROUBLE-PROOF

FLAT FLAME BURNER



No. 210

Height of Lamp 7 in. Weight, 2 lbs.
 Height to top of bail, 10 1/4 inches.
 Burns 6 1/2 hours on one charge
 when equipped with 1/2 ft. burner.

Price, Complete each, \$4.00

For burners
and parts for
this lamp see
pages 14 & 15

Dewar Manufacturing Co. of Brooklyn, New York also made hand lamps with a vertical burner arrangement. They were all known by the brand name "ITP" which stands for "IT'S TROUBLE PROOF." The ad to the left illustrates one of these lamps with a water umbrella. This Dewar hand lamp has been found in several varieties.

Illustrations are from a Dewar lamp catalog (date unknown) and from the 1919 Justrite lamp catalog.