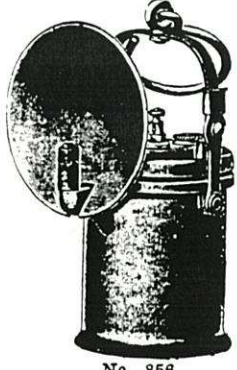


Have you ever wondered why one rarely sees a Wolf canister style hand lamp with the original reflector? In fact, I have yet to find one with anything but a homemade reflector. This article from the 02/08/14 issue of the Engineering and Mining World points out the problems with the Wolf. It is too bad that more miners didn't make the suggested modification!



THE WOLF LAMP

All steel construction, made in two sizes:

Size 2—burning capacity, 7-8 hours
Each, \$3.60

Size 3—burning capacity, 5-6 hours
Each \$3.85

No. 856

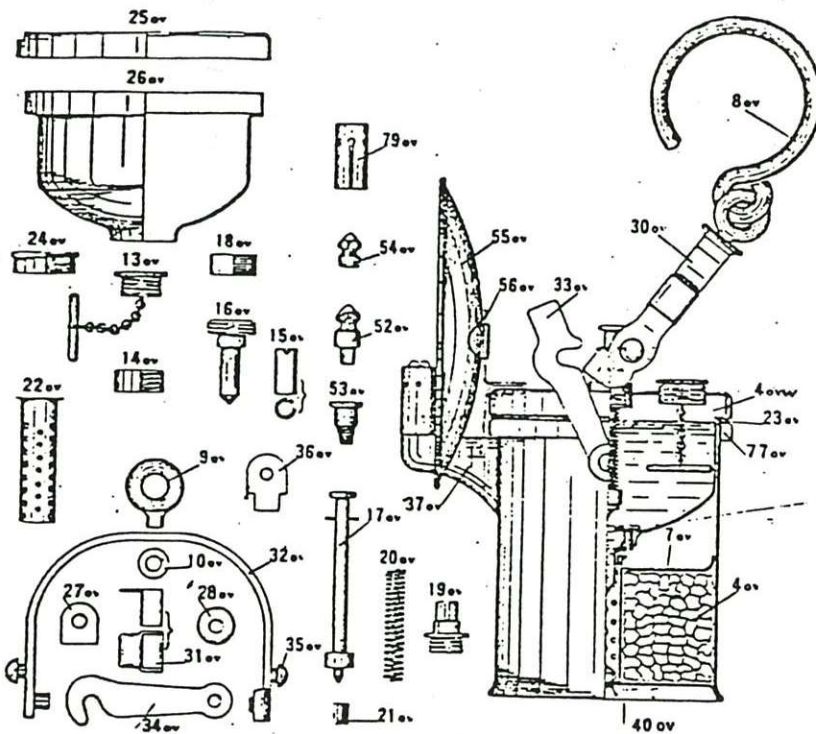
San Francisco
268 Market Street
Douglas 1118

E. D. BULLARD

1921 Catalog

Los Angeles
130 S. Bkoadway
Broadway 7498

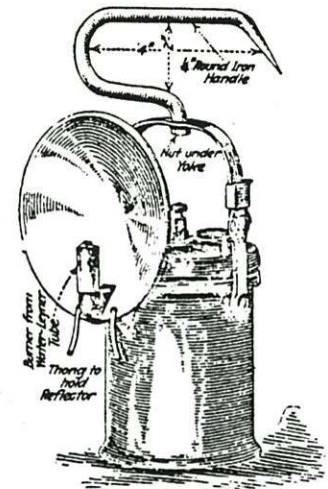
Diagram of Parts of Lamp No. 856.



Improving a Miner's Carbide Lamp

The hook usually furnished with the "Wolf" miner's carbide lamp, and fastened to the yoke of the upper part of the lamp by a swivel, is good enough when the lamp is to be hung up and left in one position; but when the user is climbing ladders and crawling through stopes, the swivel hook offers a decided disadvantage, as there is always the tendency for the lamp to twist, so that the flame frequently swings under the hand of the carrier, often resulting in either a bad burn or the dropping of the lamp. One manner of overcoming this disadvantage was by removing the swivel furnished with the lamp and attaching the handle shown in the accompanying illustration. This contrivance consists of a combination hook and handle, made of 1-in. round iron and about 2 in. high by 4 in. long. It is fastened firmly to the yoke by a small nut, and does not permit the lamp to revolve; the pointed end makes it possible to hang the lamp where the manufacturer's hook will not take hold.

One means of preventing the reflector from being knocked from a lamp, and an improvement that permits its easy removal when refilling, is the following: Two small holes are punched near the bottom of the reflector, as shown in the illustration, and a leather thong or



IMPROVEMENTS AND REPAIRS TO THE WOLF LAMP

cord is passed through them and around the under side of the burner-pipe. The ends of the cord should be two or three inches long, and allowed to hang free.

Burners are frequently lost or broken, and usually when no others are available. In such cases a burner can be quickly made by plugging the hole for the burner-shank with a piece of lead having a single small hole punched in it. Another type of burner may be made from a 1-in. section of Water-Leyner tube, by squeezing one of the ends together, and punching a small hole in it. The tube will fit snugly in the burner hole. By bending this piece of tube outward, the lamp will throw a horizontal flame instead of a vertical one, and this is advantageous in protecting the hands, as the flame is not so easily put out in wet places and offers the best and most lasting marker on the walls of mine workings for sampling and surveying purposes.

The Wolf canister style hand lamp has a somewhat unique design among American carbide lamps. The European influence is evident and not surprising as Wolf was primarily a German company.