

JUSTRITE CARBIDE MINE LAMPS

Drawn from seamless brass. Attached parts are riveted and soldered inside. Deep concaved reflector is part of the lamp; cannot get loose or be broken off. Equipped with lighter attachment.

Fig. 187



No. 85

NO. 85 MINERS' CAP LAMP

Lever feed, 2 1/2-inch reflector. Height of lamp, 4 inches. Capacity, 2 ozs., 1/4-inch carbide. Light, 16.7 C. P. Weight, 5 ozs. Finish, polished brass. See note below.

NO. 121 MINERS' CAP LAMP

This lamp is the same as the No. 85 lamp described above, except that it has the spiral valve feed instead of the lever feed.

Fig. 188



No. 121

NO. 227 "JIFFY" MINERS' CAP LAMP

The "Jiffy" container locks tight with a slight turn, and is so named because it can be put on and taken off in a "Jiffy." Will stand harder usage than the screw-threaded bottom. The lever duplex feed has two valves. The upper valve regulates and shuts off the water flow; the lower valve acts as a check and prevents over-generation. Dimensions, capacity, etc., same as the No. 85 lamp described above.

Fig. 189



No. 227

NO. 100 SUPERINTENDENTS AND CAMPERS

Two and one-half-inch reflector, with lighter attachment. Folding handles, hook and pocket carbide can. Burns 3 hours with 2 ozs. of 1/4-inch carbide. Height, 4 inches. Light, 18 C. P. Weight, 6 ozs. Finish, nickel-plated.

Fig. 190



No. 100

Fig. 191



CARBIDE CONTAINERS

A pocket carbide can. Made of light steel, tin coated, ribbed, double seamed and sliding cover, air-tight, concaved to fit the boot or hip pocket. Holds full day's supply. Made in two sizes.

No. 76, capacity, 7 ozs. carbide. No. 77, capacity, 10 ozs. carbide.

REPAIR OUTFITS

CONTENTS

Nos. 1 and 2 outfits are put up in heavy cardboard box, covered with water-proof paper.

NO. 1 OUTFIT

- 12 doz. No. 00 Gaskets.
- 6 " No. 00 Felts.
- 12 " No. 00 Tips.
- 2 " No. 74 Tip Cleaners.
- 2 " No. 64 Felt Holders.

NO. 2 OUTFIT

- 6 doz. No. 00 Gaskets.
- 3 " No. 43 Felts.
- 12 " No. 66 Tips.
- 1 " No. 74 Tip Cleaners.
- 1 " No. 64 Felt Holders.

NO. 3 OUTFIT

In metal show case with glass cover and drawer opening from back. White enamel finish.

- | | |
|-------------------------|----------------------------|
| 100 No. 00 Gaskets. | 55 No. 115 Reamers. |
| 100 No. 62 Felts. | 12 No. 177 Lighters. |
| 12 No. 64 Felt Holders. | 24 No. 172 Flint. |
| 144 No. 66 Tips. | 12 No. 173 Springs. |
| 100 No. 28 Tips. | 12 No. 174 Screw Caps. |
| 24 No. 74 Tip Cleaners. | 12 No. 176 Forks and Nuts. |
| 24 No. 22 Tip Cleaners. | 12 No. 181 Water Caps. |
| 24 No. 37 Tip Cleaners. | 12 No. 182 Hexagon Nuts. |
| 72 No. 16 Wires. | 4 No. 133 Valve Stems. |
| 9 No. 78 Valve Stems. | |

Fig. 192



No. 3 OUTFIT

NOTE.—This page illustrates only a small portion of our large and well selected stock of Justrite Carbide Lamps and accessories. We will gladly furnish anyone interested with special circulars and catalogues covering the complete line, together with prices, upon request.

WOLF CARBIDE MINE LAMPS

STEEL AND BRASS

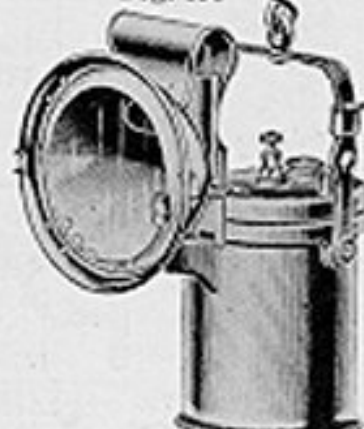
Fig. 193

No. 856
REGULAR EQUIPMENT

Fig. 194

No. 856 SHOWING
CHAMPION TIP PROTECTOR ATTACHED
(See note under Champion Tip Protectors.)

Fig. 195

No. 856
WITH HOODED REFLECTOR
(See note under Hooded Reflectors.)

These lamps are strong and durable in construction and will withstand the strongest possible use in mines and other places. They are made from sheet steel or brass. The brass lamps are free from any iron parts.

Carbide lamps have been adopted to a very large extent during the past few years in mines and other industrial establishments throughout the country.

No. 856 REGULAR CARBIDE MINE LAMPS

Size	Dimensions, Inches			Weight, Pounds	Burning Capacity, Hours	Carbide Consumed in the Hours Given in List, Ounces
	Height, Body	Diameter, Body	Diameter, Reflector			
II	5	3 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{1}{2}$	7 to 8	8
III	4 $\frac{1}{2}$	3	3 $\frac{1}{2}$	1 $\frac{1}{8}$	5 to 6	5

For names of parts, see following page.

BURNERS FOR WOLF CARBIDE MINE LAMPS

WITH TWO OPENINGS

Fig. 196



No. 012

Fig. 197



No. 07

Fig. 198



No. 878

Fig. 199



No. 879

Fig. 200



No. 031

Fig. 201



No. 882

When ordering, always give number of burner desired.

BURNER NEEDLES

For cleaning burner tips.

Fig. 202



No. 866 IN BRUSH FORM

CHAMPION TIP PROTECTORS

The Champion Tip Protector, illustrated on lamp Fig. 194, top of page, is designed to protect the tip from loss or breakage. Does not interfere with the light in any way. Applied by simply slipping over burner and pushing down until protector rests on the burner bracket.

NOTE.—These tip protectors are not included in the regular equipment of mine lamps, but are sold as an extra.

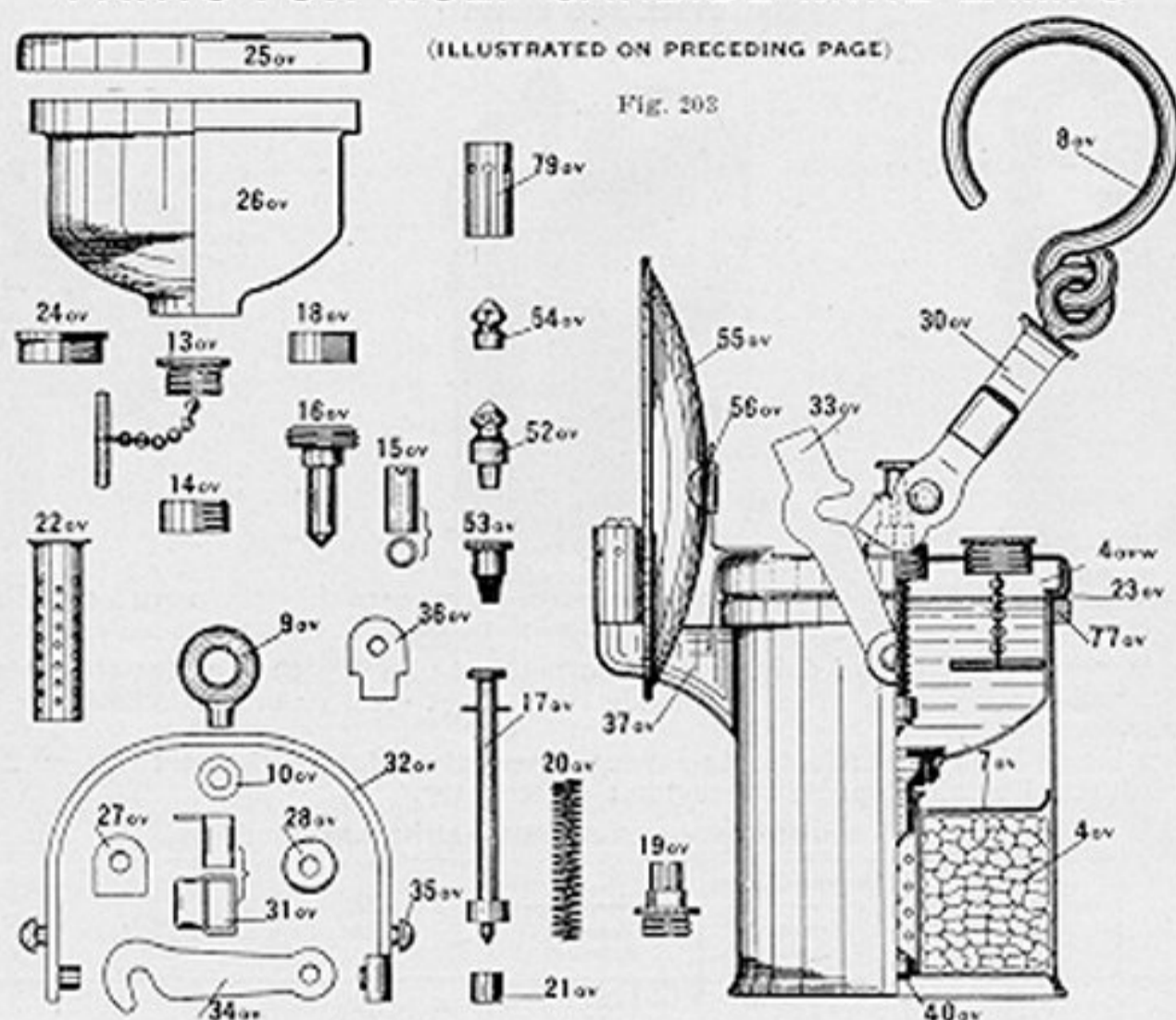
HOODED REFLECTORS

The Hooded Reflector, illustrated on lamp Fig. 195, top of page, is designed for the protection of the flame against air currents and the dripping of water from the roof in the mines.

NOTE.—Hooded reflectors are not included in the regular equipment of mine lamps, but are sold as an extra.

Special catalogue covering our complete line of Wolf Carbide Lamps and prices on application.

PARTS FOR WOLF CARBIDE MINE LAMPS



NAMES OF THE SINGLE PARTS

When ordering, specify the size and whether for steel or brass lamp.

- | | |
|--|--|
| No. 4 ov—Complete carbide holder. | No. 36 ov—Water holder only. |
| No. 4 ovw—Complete water holder. | No. 38 ov—Washer for shanks. |
| No. 7 ov—Sheet cover for carbide. | No. 39 ov—Complete locking bridle. |
| No. 8 ov—Lamp hook. | No. 31 ov—Locking slider. |
| No. 9 ov—Eyelet. | No. 32 ov—Bridle with 2 shank pins. |
| No. 10 ov—Washer. | No. 33 ov—Right shank. |
| No. 13 ov—Screw plug with chain. | No. 34 ov—Left shank. |
| No. 14 ov—Bush for same. | No. 35 ov—Shank pin. |
| No. 16 ov—Water dropper. | No. 36 ov—Bridle bracket. |
| No. 17 ov—Water plug spindle. | No. 37 ov—Burner bracket. |
| No. 18 ov—Bush for same. | No. 40 ov—Stud for water distributing tube. |
| No. 19 ov—Spindle screw. | No. 52 ov—Burner, upper part. (875). |
| No. 20 ov—Spiral spring for water spindle. | No. 53 ov—Burner, lower part. (881). |
| No. 21 ov—Rubber washer for water spindle. | No. 54 ov—Burner, only (lava tip) (879). |
| No. 22 ov—Water distributing tube. | No. 55 ov—Reflector. (883). |
| No. 23 ov—India rubber washer. | No. 56 ov—Reflector holder. |
| No. 24 ov—Bush for water dropper. | No. 77 ov—Strengthening ring for carbide holder. |
| No. 25 ov—Cover for water holder only. | No. 79 ov—Protecting tube for burner. |

CARBOLITE

Fig. 204



Carbolite is the trade name of a superior quality of Calcium Carbide. It is superior because only superior raw materials are used in its manufacture. Carbolite is exceedingly rich, both in quantity and quality of gas yield.

Carbolite is extensively used in miners, automobile and bicycle lamps, also for acetylene welding and house lighting generators.

The following sizes of Carbolite are packed in water and air-tight steel drums containing 100 pounds each.

Lump	3½ x 2 inches
Egg	2 x ½ inch
Nut	1½ x ¾ inch
Quarter	¾ x ¾ inch
Miners' lamp	Miners

Automobile, bicycle and miners lamp sizes can be furnished in cases containing six 10-pound cans or twenty-four 2-pound cans. We carry Carbolite in Denver stock and are prepared to make shipment of any quantity the same day order is received.

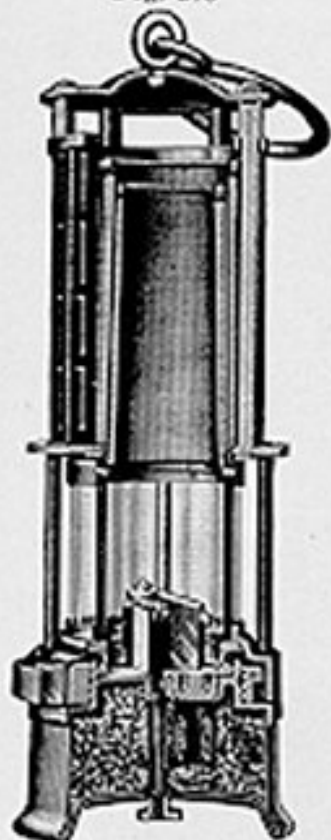
When ordering, always specify the size desired.

Prices at lowest market rates.

WOLF NAPHTHA SAFETY LAMPS

STEEL AND ALUMINUM

Fig. 205

No. 100
WITH MAGNETIC LOCK

These lamps are made in two styles as follows:

No. 100.—This lamp is equipped with a magnetic lock which renders unauthorized opening impossible. A special horseshoe magnet is required for locking and unlocking this lamp. The magnet is not furnished with the lamp as regular equipment, but is sold as an extra.

No. 131.—This lamp is equipped with a key lock which cannot be opened without the key provided for same.

Both lamps are made to take air from below, have corrugated shield, and have internal metal spark igniter.

A pair of flat pliers and a forked key required to remove the metal spark igniter.

The lamp vessel is filled with an absorbent material consisting of specially prepared cotton wool which lasts indefinitely.

The illuminating power of these lamps is about $1\frac{1}{2}$ candle-power.

Height over all 11 inches.

Carried in stock with magnetic or key lock, made of steel and aluminum.

Fig. 206

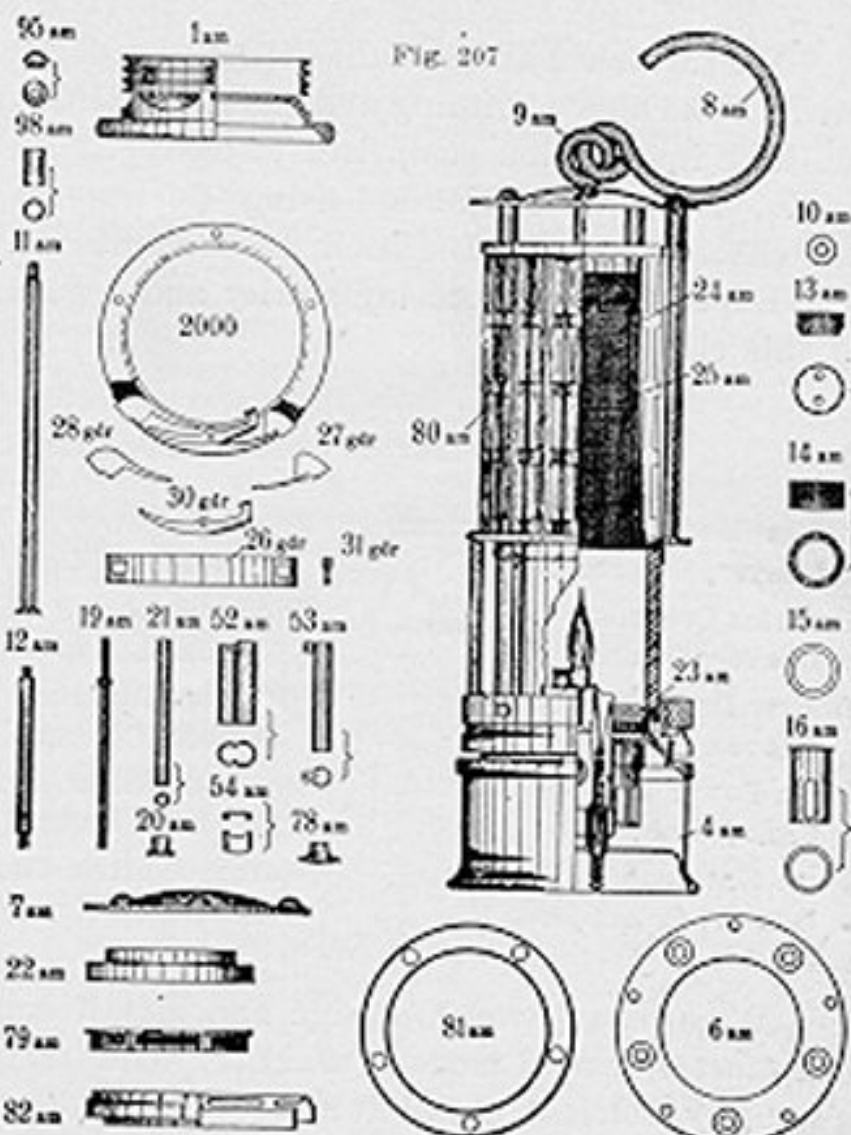
METAL
SPARK
IGNITER
MODEL 1914

Number	100		131	
	Steel	Aluminum	Steel	Aluminum
Metal				
Weight	Pounds			
	3½	2½	3½	2½

NAMES AND NUMBERS OF PARTS

Nos. 100 AND 131 WOLF NAPHTHA
SAFETY LAMPS

- No. Name of Parts.
- 1 am—Top of lamp fount.
4 am—Lamp fount.
6 am—Middle ring.
7 am—Dome top of lamp.
8 am—Handle of lamp.
9 am—Eyelet.
10 am—Washer.
11 am—Rods with screw heads.
12 am—Rods fronting glass chimney.
13 am—Filling hole stopper.
14 am—Filling hole.
15 am—Leather washer.
16 am—Cylindrical cotton spreader.
19 am—Wick adjuster.
20 am—Bushing.
21 am—Wick adjuster guide tube.
22 am—Gauze ring.
23 am—Expansion ring.
24 am—Outer wire gauze.
25 am—Inner wire gauze.
52 am—Burner for round wick.
53 am—Wick holder for round wick.
54 am—Wick stop for round wick.
78 am—Wick adjuster knob.
79 am—Air admission ring with double wire gauze.
80 am—Corrugated shield.
81 am—Strengthening ring for shield.
82 am—Protecting ring for air admission.
96 am—Nut for 11 am.
98 am—Tube for fastening 81 am.
2000 —Complete Magnetic lock.
25 gdr—Protecting plate.
27 gdr—Anchor spring and spring pole.
28 gdr—Anchor pole.
30 gdr—Anchor beam.
31 gdr—Anchor screw.



SPECIAL CATALOGUE COVERING OUR COMPLETE LINE OF WOLF NAPHTHA SAFETY LAMPS AND PRICES ON APPLICATION.