

8.6 Non-Electric Lighting

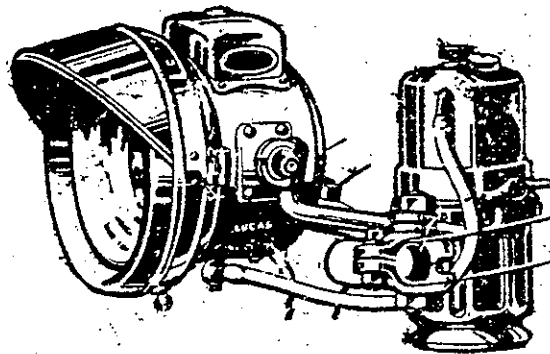


HOW TO

USE THE

LUCAS

"KING OF THE ROAD" Motor-Cycle Projector



With Separate Generator

JOSEPH LUCAS LIMITED

HEAD OFFICES AND WORKS - :: :: BIRMINGHAM

As the trouble of charging the Generator is so little, it is better to start a ride with a fresh charge of carbide and water.

If the light is too small, and it is necessary to turn on more water, the light will not immediately respond, because it takes time for the water to soak through the unused carbide.

To extinguish the Lamp turn off the Regulator. It is better to blow the light out, as the small dying flame tends to carbonize the top of burner and stop it up.

The top of the Burner must be brushed when required to remove carbon deposit. We supply a small Brush for this purpose.

Gas will continue to generate after the water is turned off, until all moisture in the Generator is used up. This cannot be avoided in an Acetylene Lamp, but in practice it is easy to turn off the water while riding, so that the gas will be nearly exhausted by the end of the journey. The longer the lamp has been burning, the more moist carbide there will be in the Generator, and the longer it will take for the light to go out.

Carbide reserved for use must be kept in air-tight tins, or moisture in the air will act upon it and spoil it.

If the foregoing instructions are carefully noted and acted upon, users of the Lucas Acetylene Lamps will find them simple and satisfactory.

Send for Illustrated Motor-Cyclealities List, post free

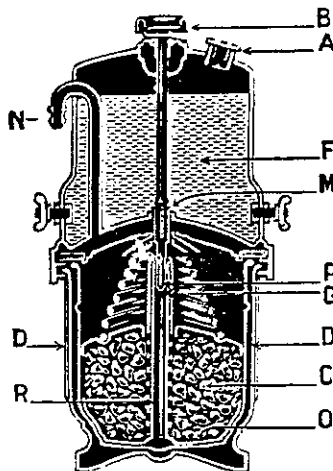


THE LUCAS

"KING OF THE ROAD" Motor-Cycle Generator

No. 62

- A. Water Plug
- B. Regulator
- C. Carbide Container
- D. " " " Cage
- F. Water Body
- G. Central Tube
- M. Valve Seat
- N. Gas Tube
- O. Loose Bottom Plate
- P. Water Valve
- R. Perforated Tube

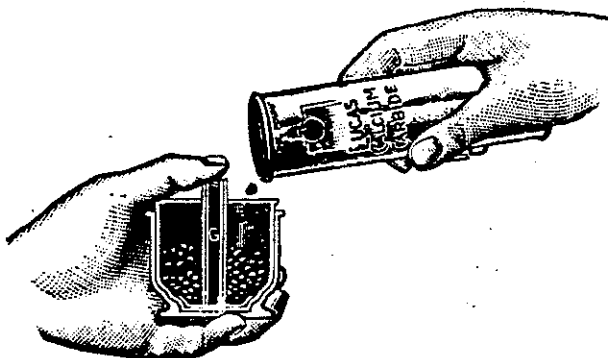


SECTIONAL VIEW AND DESCRIPTION

TO CHARGE.—(a) Remove Carbide Container by turning cage D to left. When replacing, see that the large screw thread in base of water body is quite clean. (b) Take out the spring cover, and fill with good carbide to height of indicating line marked outside, leaving necessary space for expansion of carbide. When charging, place

KEEP GENERATOR CLEAN

thumb on top of central tube G to prevent carbide from entering. The central tube G and loose bottom plate O must not be replaced unless they, and the container, are quite free from spent carbide. (c) Replace spring cover.



To start the Generator when charged with water and carbide, turn the Regulator B, and it should be ready for lighting in a few seconds. If it does not start readily, either the burner is stopped or the Regulator has not been turned far enough to allow sufficient water to drop down to the carbide. Nearly every trouble with Acetylene Lamps may be avoided by strict cleanliness, and omission in this direction is sure to cause difficulty.

The Lamp may be relighted a second time, or even several times, with one charge, if the carbide is not all used up, and a look at the contents of the Generator will tell you what proportion of unused carbide remains.

KEEP GENERATOR CLEAN