Read and Carefully Follow These Directions
And Your Coleman Lamp Will Reward You With Years of Good Service

1. TO ASSEMBLE—

Unless your dealer assembles your new Coleman Instant-Lite Lamp for you, it will come to you packed in a carton, and in three separate parts, as follows:

1—Fount with handle
2—Burner with Instant-Lite Generator
3—Shade

In addition there will be two Coleman mantles and a wrench.

(Model No. 117 has separate pump also.)

Screw burner onto handle and tighten firmly by hand. Do not use wrench. A little soap on the threads will prevent leakage.

2. TO FILL—

Do not use doped, colored or anti-knock gasolines.

Be sure Valve (Fig. 2) is tightly closed to right. Then remove Filler Plug (Fig. 2) and fill fount with three pints of clean, untreated, water-white gasoline (also known as "Petrol," "Motor Spirits," or "Essence").

When filling the lamp fount strain the gasoline through Coleman-filtering funnel.

4. TO PUT ON MANTLES—

Tie Mantles to grooves in Burner Caps with flat side of mantles parallel to Generator (Fig. 5).

Distribute folds of Mantles evenly at top and cut off surplus string.

Then light Mantles at bottoms with a match and allow them to burn until only a white ash remains—be careful not to jolt or touch Mantles after they are burned out.

NOTE—A broken mantle may overheat and crack the shade, so always replace broken Mantles.

5. TO LIGHT—

Hold a lighted match just below mantles.

Then open Valve quickly as many turns as possible, (Give it the gas) and mantles will light instantly.

IMPORTANT NOTICE—Because of the instant lighting principles incorporated in this new lamp, it lights best when cold. When lamp is warm (as it will be after mantles are burned off, or when lighted shortly after it has been used) better lighting results will be obtained by preheating generator with two matches for a few seconds before opening fuel valve.

These Suggestions

1. If Lamp blazes up and smokes when you light it—
   Cause—Lighting lamp in half-hot condition. This is nothing serious as the flame will burn out in a few seconds, and will be followed by full brilliance. Remedy—Read and follow directions given in Paragraph 5.

   NOTE—See suggestion 6 below for other causes.

2. If Lamp doesn’t light at all—
   Cause—No fuel, lack of air pressure. Remedy—See that fount contains clean fuel and then pump in 30 strokes of air.

   Cause—Gas tip (210-218) may be clogged. Remedy—Clean gas tip. See Paragraph 7.

   Cause—Generator (T-88) stopped up by dirt or carbon. Remedy—Put in complete new generator (T-88).

3. If light grows dim rapidly or goes out suddenly—
   Cause—Fount may leak air. Remedy—Pump up lantern and place fount in bucket of water to test for leak. If bubbles come from filler plug (118-140) put in new gasket (115-136), or get a new plug. If bubbles or gasoline come from around the bushing where support tube screws into fount, be sure connection is tight. If leak continues send fount and support tube to nearest Coleman office.

4. If a leak develops at lower end of Generator (T-88)—
   Cause—Generator not seated properly in valve (216-654). Remedy—Close valve stem (T-56). Then tighten nut at bottom with wrench. If leak continues, put on new generator. If new generator fails to stop leaking, then trouble is with valve (216-654), which should be replaced by new one.

5. If generator (T-88) lasts only a short time—
   Cause—May be dirty gasoline. Remedy—Clean fount thoroughly (See Par. 6). Strain gasoline when filling fount (see Paragraph 2).

6. If mantles turn black—
   Cause—Air intake tube (216-372) or mixing chamber (216-326) is overfilled with gasoline.
3. TO PUMP UP MODELS WITH BUILT-IN PUMP

See that Valve is closed. Then open air valve in side of pump barrel by turning Pump Plunger one turn to left. Place ball of thumb over small hole in end of plunger rod and pump 30 full strokes of air into fount (see Fig. 3). Now, turn plunger to right until air valve is closed, and push plunger back into pump barrel.

3A. TO PUMP UP SEPARATE PUMP MODEL

Be sure Valve is closed. Then loosen Air Stem on Filler Plug. One turn to left is enough.

Now, fit the Pump into the top of Air Stem and pump 25 to 30 full strokes of air into the fount. Then tighten Air Stem, turning to right with fingers. Do not use a wrench or pliers.

4. TO CLEAN FOUNT FEED TUBE

Dirt may stop up the screen and tip in the fount feed tube, causing poor light. Clean as follows:

Remove Filler Plug to release all pressure in fount.
Remove burner, unscrew and remove handle. Then unscrew support tube and remove handle. Then unscrew lock nut with pliers and wrench, or monkey wrench.

Remove feed tube from fount. Pry feed tube loose with screwdriver or wrench, then lift out with fingers. Unscrew Protector to left with pliers.

5. TO CLEAN FOUNT OCCASIONALLY

When the generator begins to clog up it is time to clean the fount.
This may be done with a siphon but is best done with a Coleman Suction Pump, which is designed especially for this purpose. Your dealer, no doubt, has one that he can use to clean your fount for you.
After the dirty fuel is removed from the fount put in some fresh, clean gasoline, rinse thoroughly, and siphon out again. Then fill fount with fresh, clean fuel. A clean fount and clean, untreated gasoline will do much toward eliminating generator trouble. Fount can also be cleaned by feeding entry tube (Par. 9) and rinsing with clean gasoline.

6. IF MODES TURN BLACK

Cause—Air intake tube (216-372) or mixing chamber (216-326) may be stopped up. Remedy—Clean air intake or mixing chamber,
Cause—Dirty screens in burner cap (112-323). Remedy—Unscrew burner caps and clean screens, or replace with new ones with wires of each screen placed diagonally with the other.
Cause—Hole in tip (220-218) may be enlarged. Remedy—Put on new tip.
Cause—Mantles used may be of inferior quality. Remedy—Always use Coleman Mantles.

7. IF BUILT-IN PUMP DOES NOT WORK

Cause—Plunger leather may be dry. Remedy—Remove plunger and clean with light oil.
Cause—Plunger leather worn out. Remedy—Put in new leather.
Cause—Check ball not seating. Remedy—Unscrew air stem (216-532) by turning pump plunger (118-517) to left several turns—then unscrew pump cap and pull out plunger and air stem. Insert screwdriver in pump barrel, unscrew and remove check valve body (216-538). Wash body thoroughly in gasoline and replace. Insert air stem shank and plunger in barrel and screw on cap. If pump yet does not work, replace the check valve body with a new one.

8. IF WATER GETS MIXED WITH THE FUEL

Clean fount as outlined in Paragraph 8.

9. ON ONE FILLING OF THREE PINTS OF FUEL

The lamp will provide an average of from 12 to 15 hours' brilliant service, if directions for lighting and using are followed.

9A. TO CLEAN FOUNT FEED TUBE

Unscrew fuel tip to left and clean fuel tip with tip pick furnished with Lamp. Also clean out screen in protector by rinsing with gasoline and blowing out.* Then replace Fuel Tip and tighten with wrench.
Replace Protector and tighten with pliers.
Replace feed tube in fount.
If burner, lock nut, handle and support tube have all come together, replace them as they are, by screwing bottom of support tube into fount. If the burner and other parts were removed separately, replace them in the following order:
Replace support tube and tighten with wrench. Put handle back into place and tighten lock nut. Then replace burner and tighten with hands.
It is a good plan to clean fount when cleaning feed tube (See paragraph 8).
Three Things—
to do which will help this Coleman Lamp give you better service and longer service:

1. Always use a good grade of fresh, clean, water-white gasoline. Do not use any of the doped, colored or anti-knock gasolines in any Coleman product.

2. Read and carefully follow instructions given in this directions folder. If you will do this, you will avoid difficulties that result from improper operation and which are due to no fault of the Lamp.

3. Clean out the fount of the Lamp every few months. This keeps the residue which collects in the bottom of the fount from stopping up the generator (see Par. 8, inside).

This Directions folder is written for your convenience. It is worth while to follow instructions carefully step by step.

Always Use Genuine High Power Coleman Junior Mantles

1. They are made without side seams and are pleated or gathered across the bottom, thus reinforcing them at the point where they are subjected to the greatest gas pressure.

2. They are made especially for Coleman Lamps and Lanterns. They are just right in size, shape and texture. They are given just the right chemical treatment. They work perfectly with the gas tip and air intake in producing the splendid brilliance for which Coleman Lamps and Lanterns are famous.

This is why we can not guarantee either the quality or quantity of light produced by any Coleman Lamp or Lantern if an inferior low-grade mantle is used on it. So take no chances. Always insist on having Genuine Coleman Mantles.

DIRECTIONS
For Operating Coleman Instant-Lite Lamps

The Coleman Lamp & Stove Co.
Formerly The Coleman Lamp Company

General Offices: WICHITA, KANSAS
Branches: Philadelphia, Chicago, Los Angeles

Form No. F418A — 21-M-9-28 McAP
Printed in U.S.A.
**PRICE LIST OF PARTS**

**Models 118 and 119**

With Built-in Pump

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**PRICE LIST OF PARTS—Continued**

<table>
<thead>
<tr>
<th>Parts No.</th>
<th>All parts interchangeable except those listed under Model 117</th>
<th>Retail Price</th>
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<td>117-148</td>
<td>Feed Tube complete</td>
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<td>117-158</td>
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<td>Filler Plug Cap</td>
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**Model 117**

With Separate Pump

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The following parts are for Model No. 117 only, and are not interchangeable on Models Nos. 118 or 119. All parts for Lamp No. 117, except those shown on this fount and handle illustration, may be ordered from the complete lamp parts illustration on opposite page.

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