

# DIRECTIONS For Assembling and Operating the Coleman Quick-Lite Lantern

**Packed for Convenience:** This lantern is completely assembled, ready for use as soon as you have filled the fount with fuel and put the mantles on the burners.

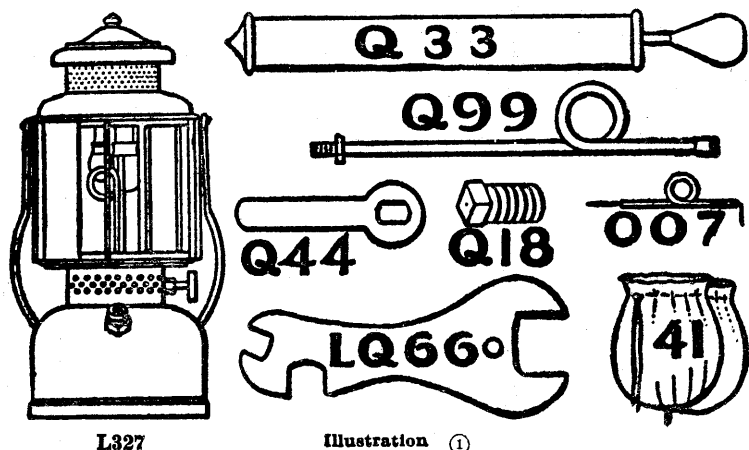


Illustration 1

**Check up Contents of Package,** which in addition to lantern complete should contain the following:

Name of Part	List Price
LQ66 Wrench.....	\$.32
41 Two Mantles.....	*
Q33 Pump.....	1.00
Q18 Extra Gas Tip.....	.10
Q07 Tip cleaning wire pick.....	.10
Q44 Tip wrench.....	.10
Q99 Extra Generator.....	.50
② At the left here, is a cross-section view of this lantern, with numbers and arrows, indicating the position of all the more important parts, such as the	
Q32 Air-stem.....	\$.32
LQ55 Valve Stem and Nut.....	.40
LQ57 Valve Complete.....	1.00
LQ64b Filler Plug complete.....	.80
LQ65 Fount complete.....	6.00
LQ41 Ventilator Ball Nut.....	.10
LQ85 Ventilator complete.....	2.00
Q23 Burner Caps (only).....	.20
Q23-25 Burner Cap with Screens.....	.30
LQ26 Mixing Chamber.....	.80
LQ98 Frame and Bail.....	1.60
Q11 Air Intake Tube.....	.60

**Additional Parts Sometimes Needed for Replacement are:**

Q17 Burner support casting.....	\$.20	LQ40 Ventilator rod.....	\$.10
Q18 Gas tip.....	.10	LQ70 Burner, generator and valve assembled.....	3.50
LQ19 Burner frame washer.....	.05	Q99 Generator.....	.50
Q24 Burner tube.....	.20	Pump Leathers.....	.10
Q25 Burner cap screens, 2 for.....	.10	Chimney complete.....	*
LQ36 Lead gasket, 2 for.....	.10		

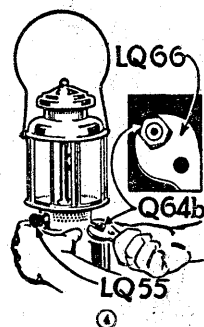
\*On account of changing markets, see your dealer or write Coleman Lamp Company for prices.

## To Fill Lantern:

Always keep fuel away from open fire or flames of any kind.

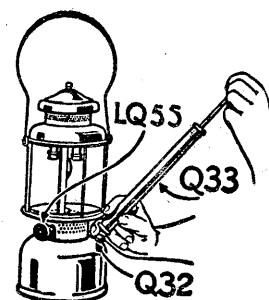
③ Remove the filler plug, Q64b, and pour into the fount two pints of clean gasoline, which is also known as "Petrol," or "Motor Spirits," or "Es-sence."

④ Then replace and tighten the filler plug, Q64b, with wrench, LQ66, and see that the valve stem, LQ55, is closed.



4

⑤ **Air Must Be Pumped** into the fount in order to force the fuel up the stem through valve, generator and into the burner. First be sure that the valve stem LQ55 is closed. Then loosen the air stem, Q32, on filler plug; a single turn is enough. Then place the pump, Q33, on top of air stem and pump in 20 to 25 full strokes. Now tighten air stem, Q32, with fingers only.

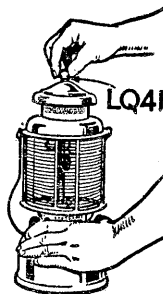


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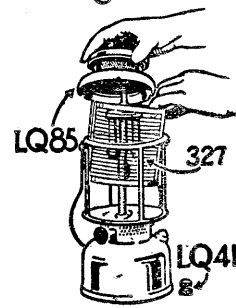
## To Put on Mantles:

⑥ First, unscrew ventilator ball nut, LQ41. Then ⑦ remove the ventilator LQ85. Also remove the mica chimney, 327.

⑧ Tie mantles in groove of burner caps, Q23, flat side lying parallel to the generator coil. Distribute the folds of mantle evenly and cut off surplus strings.



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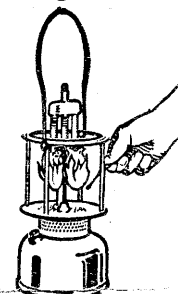


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⑨ Light the mantles with a match at the bottom and let them burn out completely. This consumes the thread, and only a white ash is left, which is easily crushed and should not be touched. Let the mantles cool and don't move lantern until it has been finally lighted.



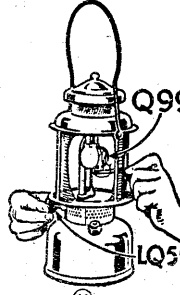
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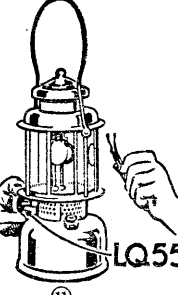
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## ⑩ How to Light Lantern

First, replace mica chimney, ventilator, and ventilator ball nut. Next, make sure that valve stem, LQ55, is closed. Always use two standard (not short smokers') parlor matches in left hand. Open door found on side of chimney 327 and insert lighted matches. Apply flame to lower part of generator coil, Q99, close to upright part. Don't open valve until matches are burned down nearly to fingers. Then open and close valve stem LQ55, quickly with right hand.



10



11

⑪ Remove left hand with burnt ends of matches but keep right hand on valve stem, LQ55, a few seconds until the mantles begin to dim. Then with right hand open the valve one full turn for full light.

**To Extinguish Light:** Turn the valve stem LQ55 over to the right tightly, as shown by arrow on wheel, and the light will extinguish in about 60 seconds.

**To Keep Light at Full Strength:** Pump in more air when the light grows dim which it may begin to do after you have used the Lantern 2 or 3 nights, or the equivalent of 8 or 10 hours continuous service.

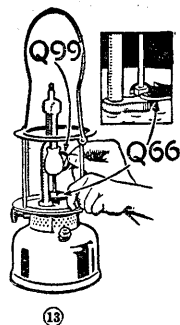
**Caution 1—When Lantern is used Indoors—** remove the ventilator LQ85 (See Fig. 7). This permits a better circulation of air around the mantles and prevents overheating the lantern.

**Caution 2—When Lantern is used in hen-houses** to increase winter egg production the burner parts should be thoroughly cleaned occasionally to remove the dust and dirt that may collect caused by the hens scratching. A good time to do this is when changing mantles. By keeping the air mixing chamber, burner tubes, burner caps and screens clean your Quick-Lite Lantern will give more and better light and longer service.

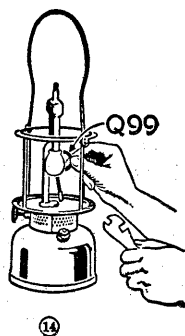
# The Coleman Lamp Co.

(See Other Side of this Sheet for further Directions)

GENERAL OFFICES: WICHITA, KANSAS  
BRANCHES AT: PHILADELPHIA CHICAGO LOS ANGELES  
CANADIAN FACTORY: TORONTO, ONTARIO

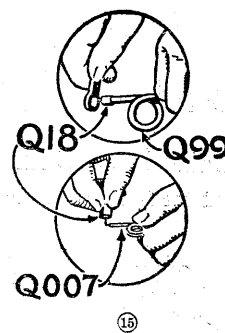


**13 How to Clean or Change Generator:** In time the generator, Q99, will gradually clog up. Then you should put in a new one. An extra generator is furnished with each lantern. Additional generators cost very little. To remove generator without disturbing mantles, first remove ball nut, LQ41, and ventilator, LQ85, and take out mica chimney, 327. Then hold the generator coil with your finger tips and loosen the small lock nut at lower end of generator with wrench.



**14** Next lift the generator, Q99, up a little then out of socket, and pull it down out of the tube without striking the mantles.

**15** With the small tip wrench, Q44, remove the gas tip, Q18, from the upper end of the generator. Then take the wire cleaning pick, 007, and insert it through the gas tip, Q18, from the inside thus removing any carbon or dirt lodged in the tip. Don't use a sewing needle. Any such wire is too large and will ruin hole in tip which would have a bad effect on your light.



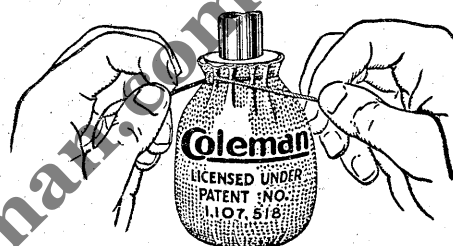
## SUGGESTIONS

### About the Use and Care of Coleman Quick-Lite Lanterns

- If Lantern blazes up and smokes when you light it.**  
Cause—Incorrect Lighting. Remedy—Read and follow directions.  
Cause—Gas Tip Q18 may be clogged. Remedy—Remove and clean gas tip with pick .007. See paragraph 15 above.  
Cause—Enlarged opening in gas tip. Remedy—Put in new tip, or complete new generator.  
Cause—Air Intake Q11 may be stopped up. Remedy—Clean intake.
- If Lantern doesn't light at all.**  
Cause—No fuel, lack of air pressure. Remedy—See that fount contains clean fuel and then pump in 20 to 25 strokes of air.  
Cause—Gas tip Q18 may be clogged. Remedy—Remove and clean gas tip with pick .007. See paragraph 15 above.  
Cause—Generator Q99 may be stopped up by dirt or carbon. Remedy—Put in complete new generator Q99.
- 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 Q64b, reseal air stem Q32 carefully, or get a new plug. If bubbles come from around the bushing where valve LQ57 screws into fount remove valve. If threads on valve are not damaged rub soap on them replace valve, tighten it securely and retest. If leak continues get new fount.  
Cause—Gas tip Q18 may be clogged. Remedy—Remove and clean gas tip with pick .007. See paragraph 15 above.  
Cause—Generator Q99 may be filled with dirt or carbon. Remedy—Put in complete new generator Q99.
- If a leak develops at lower end of Generator Q99.**  
Cause—Generator not seated properly into valve LQ57. Remedy—Close valve stem LQ55. Then tighten nut at bottom of Q99 with wrench. If leak continues, put on new generator. If new generator fails to stop leaking, then trouble is with valve LQ57, which should be replaced by new one.
- If generator Q99 lasts only a short time.**  
Cause—May be dirty gasoline. Remedy—Strain gasoline through chamois skin when filling fount.  
Cause—Continued careless lighting would cause generator to carbonize. Remedy—Read and follow directions for lighting.
- If mantles turn black.**  
Cause—Air intake tube Q11 or mixing chamber LQ26 may be stopped up. Remedy—Clean air intake or mixing chamber.  
Cause—Dirty screens in burner cap Q23. 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 Q18 may be enlarged. Remedy—Put on new tip.  
Cause—Generator may be filled with carbon. Remedy—Put on complete new generator Q99.  
Cause—Mantles used may be of inferior quality. Remedy—Always use Coleman Mantles.
- If pump does not work.**  
Cause—Leather plunger may be dry. Remedy—Remove plunger and soften leather with oil.  
Cause—Leather plunger worn out. Remedy—Put in new leather.  
Cause—Point connection lower end damaged. Remedy—Get new pump.
- If water gets mixed with the fuel.**  
Remove filler plug, LQ64b, to let out air pressure, and then remove, first the generator, next, the burner, next, the frame and last, the valve. Shake fount moderately while contents run out. Then rinse fount thoroughly with clean fuel.
- On one filling of two pints of fuel.**  
The lantern will provide an average of from 10 to 12 hours brilliant service if directions for lighting and using are followed.

## Always Use Genuine High Power No. 41 Coleman Mantles

**They Last Longer and Give More Light  
They are Scientifically Made and Give  
Better Service**



Made in U. S. A. and Licensed Under Patent No. 1107518

To get the best light and plenty of it use only the best mantles you can obtain for your lamp or lantern.

Coleman Mantles are the best. They are the result of years of study and careful research. They are the preferred, the "first choice," mantles of more than a million users of gasoline lanterns and lamps. Long experience has proved that Coleman Mantles wear better—stand rougher usage—and are much more brilliant in lighting power than any other mantle made.

### Why You Will Like Coleman Mantles Best

- They are full size, correctly shaped, non-shrinkable.
- They are woven of a special "Mantle-Finish" long fibre thread which does not unravel and which gives them the proper mesh to allow the best combustion of gas and thus make the most light.
- They are thoroly saturated in the best grades of chemicals necessary to give them strength and brilliancy.
- 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.
- They are easy to attach to your lantern and they are held firmly to the burner cap by the best grade of asbestos string.
- They pay for themselves in the longer service they give because they do not have to be replaced as often as other mantles.
- They are made to furnish 300 candle power of clear, pure white radiance that is always restful to the eyes.
- They are the product of skilled mantle makers employed in a clean, well-lighted, separate department of the Coleman Lamp Company where only the best materials, methods, and machinery are used.
- They are made especially for Coleman Quick-Lite 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 of the Quick-Lite.

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.

MADE ONLY BY

**The Coleman Lamp Company**  
FACTORIES AT WICHITA, KANSAS, U. S. A.  
AND TORONTO, CANADA