

SUGGESTIONS

ut Care and Use of Coleman Junior
ant-Lighting Lantern Model No. 242

antenn Blazes up and Smokes When You Light

se: Lighting Lantern in half-hot condition,
is nothing serious as the flame will burn out
in a few seconds and will be followed by full
flame.

edy: Read and follow directions given in Para-
graph 4.

se: See Suggestion "F" for other causes.

antenn Does not Light at All:

se: No fuel, lack of air pressure

edy: See that Fount contains clean fuel and
pump in 20 or 30 strokes of air into fount.

se: Generator stopped up by dirt or carbon.

edy: Put in complete new Generator.

ght Grows Dim Rapidly or Goes out Suddenly:

se: Fount may leak air.

edy: Pump up Fount and place in bucket of
water to test for air leak. If bubbles come from
air Plug, put in new Filler Plug Gasket, or get
new Filler Plug complete. If bubbles come from
around the bushing where Valve Body screws into
fount, be sure connection is tight. If leak con-
sists, send Lantern less Pyrex Glass Globe, Ball
Ventilator to nearest Coleman Office.

Fuel Leak Develops at Lower End of Genera-

se: Jamb Nut not threaded properly on Fuel
re Body.

edy: Close Fuel Valve. Tighten Jamb Nut at
bottom of Generator with a wrench. If leak con-
sists, put on a new Jamb Nut. If new Jamb Nut
does not stop leak, then trouble is with Fuel Valve
itself, which should be replaced by a new one.

enerator Lasts Only a Short Time:

se: May be dirty gasoline.

edy: Clean Fount thoroughly. Strain gasoline
in filling Fount.

antenn Turns Black:

se: Dirty screen in Burner Cap.

edy: Unscrew Burner Cap and clean screen.
Screen with a clean screen, replace Burner Cap
with a new one.

antenn in Pump Does not Work:

se: Pump Leather may be dry.

edy: Remove Pump Plunger and soften Pump
Leather with oil.

se: Pump Leather worn out.

edy: Put on a new one.

se: Plunger in Check Valve is stuck.

edy: Remove Pump Plunger. Insert screw
driver in Pump Barrel. Unscrew and remove
check Valve. Wash thoroughly in Gasoline and
dry. If Pump still does not work, replace
check Valve with a new one.

Fater Gets Mixed With Gasoline:

edy: Clean Fount as outlined in Paragraph 7.

Three Things

To Do Which Will Help This
Coleman Junior Lantern Give
You Better Service and Longer
Service.

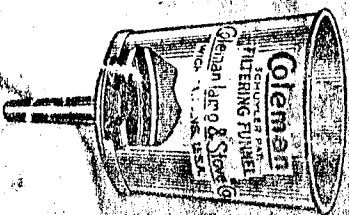


1. Always use a good grade of fresh, clean gasoline. DO NOT use any of the doped, Ethyl or Anti-Knock Gasolines in any Coleman pressure gas product.
 2. Read and carefully follow instructions given in this Direction Folder. If you will do this, you will avoid difficulties that result from improper operation and which are due to no fault of the products.
 3. Clean out the Fount of the Lantern every few months. This keeps the residue, which collects in the bottom of the Fount, from stopping up the Generator.
- If Lantern is to be stored away or is not used for sometime, remove all Fuel from Fount.

Coleman

Filtering Funnel

(Schuyler Patent)



Much of the difficulty that users have with their Coleman Junior lanterns is caused by dirty gasoline. With gasoline quick-lever and the generators and gas tips and the result is improper operation. Gasoline does not stand dirt and impurities in standing and also water. It is so dehydrated in storage tanks that it is for- eign matter can be removed when the gasoline is filtered through the new Coleman (Schuyler Patent) Filtering Funnel.

This funnel is strongly made, heavily copper plated and non-corrosive. In the bottom of the funnel is a fine-mesh brass wire strainer above which is a removable ring covered with a special filtering fabric. When this fabric is saturated with gasoline, water or dirt will not pass through. Furnished in two sizes:

No. 0—Filtering Funnel \$.55
Pad For No. 0 Funnel \$.30
No. 1 Filtering Funnel \$ 1.10
Pad For No. 1 Funnel \$.60

No.	Diameter	Height	Outlet	Capacity per Min.
0	2 1/4 in.	3 1/4 in.	3/8 in.	1/4 Gal.
1	5 in.	6 in.	3/4 in.	4 Gal.

DIRECTION

for Operating

COLEMAN JUNIOR LANTERN

Instant-Lighting

Model No. 242



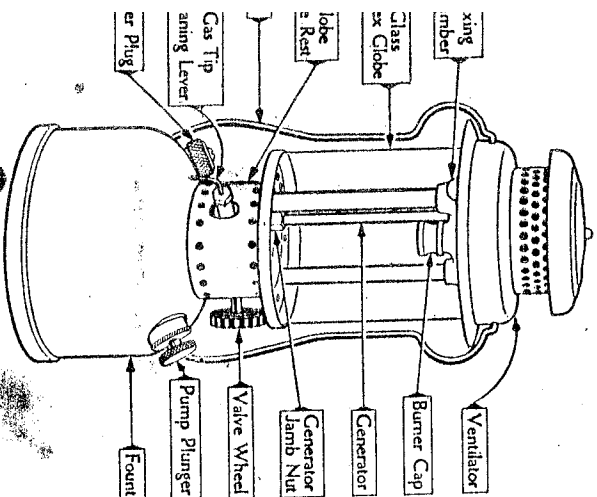
The Coleman Lamp and Stove Co.

General Offices: WICHITA, KANSAS
Branches: Philadelphia, Chicago, Los Angeles,
Portland, Wichita, Chicago, and Toronto, Can.

INSTRUCTIONS for Operating COLEMAN JUNIOR

LANTERN Instant-Lighting

Simply follow these directions and you will expect no difficulty in operating your new Coleman Instant-Lighting Lantern and in getting the full brilliance for which all Coleman Lanterns are famous.

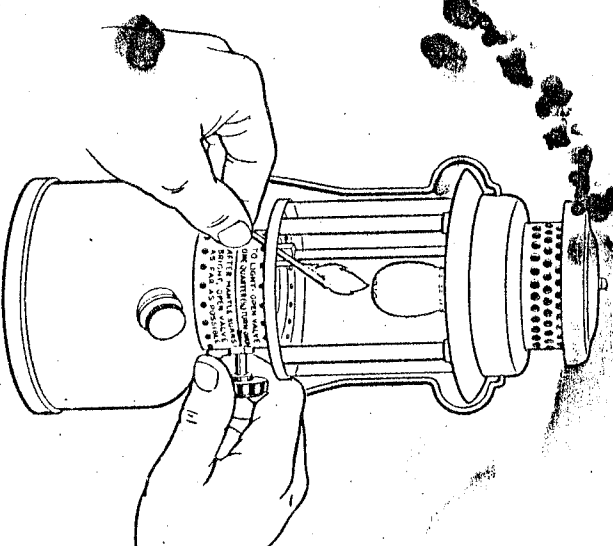


To Fill:
 Sure Fuel Valve is tightly closed. Turn Valve to right. Remove Filler Plug and fill Fount with fresh, clean, untreated gasoline. Do not tip fount while filling. Always let it set flat on its side. We suggest the use of the Coleman Filtering Fuel for straining the gasoline. Your dealer can supply you. As soon as Fount is filled, replace Filler Plug and tighten firmly with fingers.

2. To Pump:
 See that Fuel Valve is closed. Then pump 20 to 30 full strokes of air into Fount. Push Pump Plunger back into Pump Barrel.
 Good pressure is important. Keep Pump Leather soft with a few drops of oil.

3. To Put On Mantle:
 Pull Bail out of Mixing Chamber and remove Ventilator and Pyrex Glass Globe.
 The Mantle fits groove in Burner Cap with flat side of Mantle toward Generator.
 Distribute folds of Mantle evenly at top and cut off surplus fitting.
 Then burn off Mantle following directions on Mantle envelope. Allow Mantle to cool several minutes before lighting Lantern.

Replace Pyrex Glass Globe, Ventilator and Bail. Be sure Bail is in holes in Mixing Chamber.



4. To Light:
 (a) At the base of the Lantern frame you will note the Gas Tip Cleaning Lever. When turned around this Lever causes the Gas Tip Cleaning Needle inside the Generator to work up and down. This keeps the Gas Tip clean and open. Turn the Lever several revolutions before lighting. Be sure that Lever is left pointing up.

(b) Have a match handy ready to light. Now OPEN THE FUEL VALVE ONE-FOURTH TURN ONLY. Then light the match and hold it under the Mantle. It may require a few seconds for the gas to reach the Mantle, but when it does the Mantle will light instantly. AFTER MANTLE BURNS BRIGHT—OPEN FUEL VALVE AS FAR AS POSSIBLE. This is important and must be done in order to get good light. It is impossible to open the Fuel Valve too far.

The Gas Tip Cleaning Lever may and should be operated while lantern is burning. Should Lantern fail to burn bright after Fuel Valve is wide open, turn Gas Tip Cleaning Lever rapidly two or three times.

Note: The light may flicker for a few seconds after lighting but it will soon steady down. After lighting Lantern, pump in additional pressure to insure long operation.

5. To Turn Out Light:
 Turn Fuel Valve to right until closed. The light will dim and go out in a few seconds.

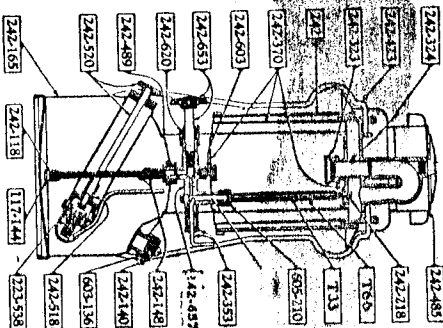
6. To Change Generators:
 Pull Bail out of Mixing Chamber and remove Ventilator and Pyrex Glass Globe.
 Be sure Fuel Valve is closed. Then turn Gas Tip Cleaning Lever up. Unscrew Generator Jamb Nut at lower end of Generator. Lift Generator up and unhook Gas Tip Cleaning Needle. Then pull Generator with Cleaning Needle down and out.

To Install New Generator with Cleaning Needle:
 First, pull Cleaning Needle from Generator $\frac{1}{8}$ ", holding Generator in upright position. Push Generator through opening in Mixing Chamber and hook Cleaning Needle in hole of Cleaner Block. Now turn Gas Tip Cleaning Lever down. Seat Generator properly. Screw Generator Jamb Nut down, tightening with wrench.

7. Keep Fount Clean:
 It is a good plan to drain the Fount each time before filling. The Fount should be given a thorough cleaning at least once a month. This removes yellow dirty gasoline and sediment which stops up the Generator and causes difficulty in operation. Simply remove the Filler Plug and drain Fount through Filler Plug Opening. Your Lantern will light easier and better on fresh gasoline.

Parts List for COLEMAN JUNIOR

LANTERN Instant-Lighting Model No. 242



Repair Parts in Canada slightly higher in price on account of Customs Duty.

Piece No.	Name of Part	Price
T33	Generator Cleaning Needle (242-238)	\$
T66	Generator (Gas Tip Marked "6")	
242	Pyrex Glass Globe	
117-144	Tip Protector & Screen	
223-538	Pump Check Valve	
242-118	Fuel Tip (Marked "5")	
242-140	Filler Plug Complete	
242-148	Fuel & Air Wire Complete (Fuel Tip Marked "5")	
242-165	Fount Complete	
242-218	Gas Tip (Marked "6")	
242-323	Burner Cap & Screen	
242-324	Burner Tube	
242-353	Tip Cleaner Stem Complete	
242-370	Frame & Burner Complete	
242-423	Bail	
242-485	Ventilator	
242-489	Globe Base Rest	
242-518	Pump Leather Assembly	
242-520	Pump Plunger Complete	
242-603	Frame to Valve Connection Stud	
242-620	Valve Stem Packing (Amblers)	
242-653	Valve Stem Complete	
242-657	Valve Complete	
603-136	Filler Plug Gasket	
605-210	Jamb Nut	