

# Three Things—

to do which will help this Coleman Radiant Heater 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 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 heater.
3. Clean out the tank of the heater every few months. This keeps the residue which collects in the bottom of the tank from stopping up the generator (see Par. 6, inside).

When the heater is stored away or is not to be used for some time, remove all fuel from tank.

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

## Coleman Filtering Funnel

(Schuyler Patent)



Much of the difficulty that users have with pressure gas lighting, heating, and cooking devices is caused by dirty gasoline. Such gasoline quickly stops up the generators and gas tips and the result is improper operation. Gasoline accumulates dirt and impurities in handling; and also water, which is condensed in storage tanks. Much of this foreign matter can be removed when the gasoline is strained 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..... | \$ .60 |
| Pad for No. 0 Funnel.....   | .30    |
| No. 1—Filtering Funnel..... | 1.20   |
| Pad for No. 1 Funnel.....   | .60    |

| No. | Diameter  | Height    | Outlet  | Capacity Per Min. |
|-----|-----------|-----------|---------|-------------------|
| 0   | 2 1/4 in. | 3 1/4 in. | 1/2 in. | 1/2 Gal.          |
| 1   | 5 in.     | 6 in.     | 1/2 in. | 4 Gals.           |

# DIRECTIONS

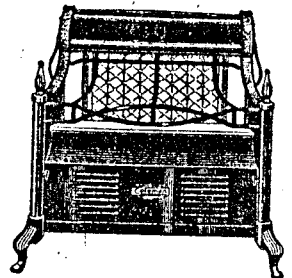
For Operating the

## Coleman Radiant Heater

Model No. 5A

(Covered by Patent Numbers: 1716210-1716213-1718473.)

Licensed under Patent No. 16625



The Coleman Lamp and Stove Company

General Offices: WICHITA, KANSAS  
Branches: Philadelphia, Chicago, Los Angeles  
Factories: Wichita, Chicago, and Toronto, Canada

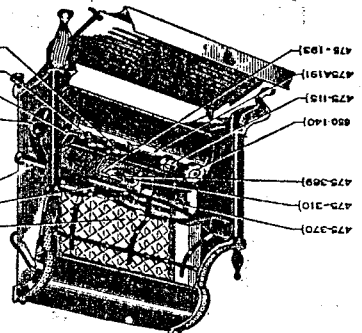
Form F589D 11-22-24-11-11-55-55-55-55-55

Printed in U.S.A.

For complete service, use only Genuine Coleman parts and accessories on this Coleman Appliance. Each individual part is designed to exact precision and to work perfectly with all other parts in the same make and model. The use of other than Genuine Coleman parts and accessories invalidates the Coleman Guarantee.

**WARNING!**

| No. Part Name of Part  | Price |
|--|-------|
| 650-140 Filter Plug Complete                                     | .15   |
| 650-136 Filter Plug Gasket                                       | .10   |
| 650-590 Wrench   | 1.05  |
| 475-467 Tank Fuel Valve Complete (See Tip Marked "A")            | .30   |
| 475-489 Tank Fuel Valve Complete (With Main & Sub-Burner Caps)   | 3.00  |
| 475-510 Sub-Burner Complete (See Tip Marked "B")                 | 1.20  |
| 475-473 Preheater Tank Fuel Valve Complete (Fuel Tip Marked "C") | 1.00  |
| 475-223 Main Burner Cap (1/2")                                   | .25   |
| 475-218 Gas Tip (Marked "4")                                     | .30   |
| 475-310 Preheater Part   | .40   |
| 475-303 Radiator Safety-Generator (See Tip Marked "4H")          | 3.30  |
| 475-193 Tank Fuel Valve Complete Assembled                       | 12.60 |
| 475-171 Fuel Tube (3/4" Long)                                    | 1.80  |
| 475-115 Combination Fuel & Air Gauge                             | 1.50  |
| 474-517 Pump Primer Complete (See Air Stem)                      | 1.50  |
| 474-509 Pump Leaking   | .50   |
| 474-515 Air Stem   | .30   |
| 474-507 Gas Tip (Marked "4H")                                    | .10   |
| 471-322 Sub-Burner Cap (5/8")                                    | .15   |
| 471-538 Check Valve Needle                                       | .40   |
| 104-905 No. 5A Tip Cleaning Needle                               | .40   |
| Recall   |       |



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

**PARTS LIST FOR  
Coleman Radiant  
Heater, MODEL NO. 5A**

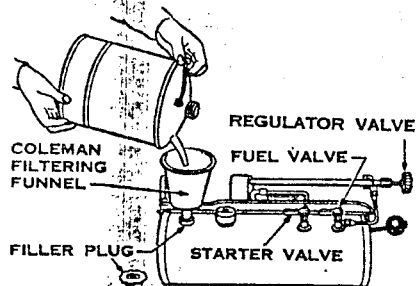
## What to Do If—

1. Heater burns yellow or smokes—  
Cause—Enlarged Gas Tip in end of Generator.  
Remedy—Put in new Gas Tip.  
Cause—Generator not hot enough.  
Remedy—Allow Heater to burn and flame will soon adjust itself.
2. Heater does not burn at all—  
Cause—Gas Tip is probably stopped up with dirt or carbon.  
Remedy—This Gas Tip can be cleaned by opening and closing Regulator Valve several times which runs a Cleaning Needle back and forth through the orifice in the Gas Tip. Occasionally, it is necessary to do this 10 or 12 times to remove a particularly stubborn bit of carbon or dirt.  
Cause—Tank Fuel Valve or Regulator Valve may be closed.  
Remedy—Open Tank Fuel Valve and Regulator Valve as instructed in Section 3 inside of this folder.  
Cause—Thermo-Safety Generator not thoroughly heated.  
Remedy—Allow the starter flame to thoroughly heat the Thermo-Safety Generator and it will then permit the free flow of vaporized fuel and radiants will light from the burner flame.  
Cause—Thermo-Safety Generator may be stopped up with dirt or carbon.

3. Leaks develop in Feed Tube or Generator—  
Cause—Loose connections.  
Remedy—Tighten all connections, such as Jam Nut and Pack Nuts with a Wrench when Heater is cold.  
Cause—Crossed threads in Jam Nut or Pack Nuts.  
Remedy—Replace parts so damaged, as crossed threads can not be repaired.  
Cause—Feed Tube connections damaged.  
Remedy—Replace Feed Tube.  
Cause—Damaged Valve Seat.  
Remedy—Replace Valve that leaks.
4. Generator lasts only short time—  
Cause—Bad or dirty gasoline.  
Remedy—Always use a good grade of fresh, clean, gasoline. Ask your dealer for a list of gasolines sold in your state which have been tested by the United Laboratories and found satisfactory for use in pressure Gas Lamps, Lanterns, Heaters, Stoves, Irons, etc., or write direct to the nearest Coleman branch or The United Laboratories, 240 North St., Friends St., Wichita, Kansas, and list will be furnished you.

# Model No. 5A Coleman Radiant Heater Directions

## No. 1—To Fill

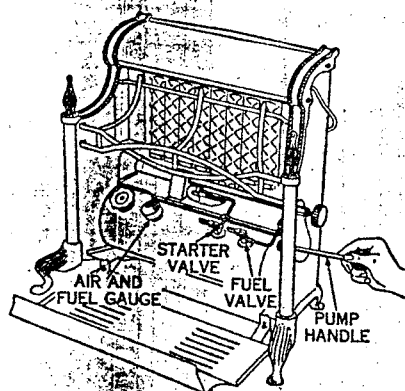


Open heater door and take out tank. See that *Starter* and *Fuel Valves* are closed (Levers turned to "OFF" position). Remove *Filler Plug* by turning to left and fill tank with one gallon of fresh, clean, undoped, gasoline.

Replace *Filler Plug* and tighten firmly by hand. (Do not use wrench.) Put tank back in heater and be sure that it is firmly in place.

**NOTE**—Always use a good grade of fresh, clean, gasoline. Do not use doped, Ethyl or anti-knock gasoline. Ask your dealer for a list of gasolines, sold in your state, which have been tested by The United Laboratories and found satisfactory for use in Pressure Gas Lamps, Lanterns, Heaters, Stoves, Irons, etc., or write direct to the nearest Coleman branch or The United Laboratories, 240 North St. Francis St., Wichita, Kansas, and list will be furnished you.

## No. 2—To Pump

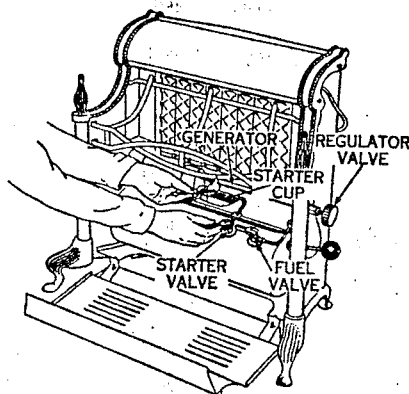


Be sure *Starter Valve* and *Fuel Valve* are closed (Levers turned to "OFF" position). Then open air check valve (located inside pump barrel), by turning *Pump Handle* two full turns to the left. Be sure you give it at least two turns, otherwise you can not force air into the tank. Hold palm of hand over hole in round knob on end of *Pump Handle*.

Pump until hand on *Air Gauge* points to 15 pounds pressure.

Turn *Pump Handle* to the right until air check valve is closed. Remove hand from over hole in end of *Pump Handle* so as to permit the escape of air remaining in pump barrel. Then push *Pump Handle* into barrel as far as possible.

## No. 3—To Light



First open *Fuel Valve* by turning lever to "ON" position. Also open *Regulator Valve* as far as possible by turning to left.

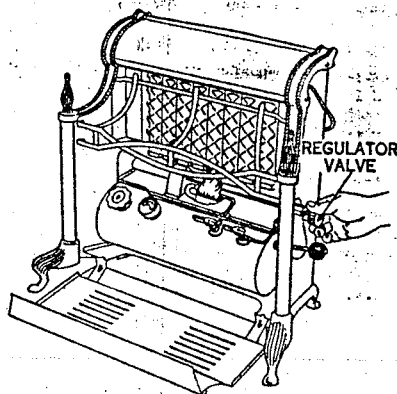
Next open *Instant Starter Valve* by turning lever to "ON" position.

After two or three seconds hold lighted match close to and slightly below the edge of the *Starter Cup*. This prevents the blast from the starter blowing out the lighted match.

The gas from the starter will light instantly.

After *Thermo-Safety Generator* has been heated sufficiently, it will automatically permit the full flow of vaporized gas and the radiants will light from the flame in the *Starter Cup*. Allow starter to operate for about 20 seconds after heater lights or until heater is burning with a clear blue flame. Close *Starter Valve* by turning to "OFF" position.

## No. 4—To Regulate



The *Regulator Valve* is used to regulate heat only. After the heater has been lighted, for five minutes or more, turn *Regulator Valve* to right to turn down blaze in radiants for less heat. Turn to left to open for full heat.

**TO TURN OUT fire in radiants, close Fuel Valve** by turning lever to "OFF" position.

*Regulator Valve* should be left wide open so that gas in *Generator* will all burn out. This helps to prevent odor.

## No. 5—Generator Data

This new Coleman Thermo-Safety Generator is a new invention—one that has never before been applied to pressure gas lighting and heating appliances of any kind. It has been inspected, tested and passed by the Underwriters Laboratories. It is a new and added safety feature in that it has positive, double action control over flow of fuel at all times.

1. The Generator must be thoroughly heated—so hot that it instantly vaporizes the fuel into gas—before it will operate and permit the flow of fuel, even though the fuel valve is opened.

2. If for any reason the blaze in the radiants is extinguished, the Generator automatically shuts off the flow of fuel within a few seconds, or as soon as it cools to such a degree that it no longer changes the gasoline into gas.

Under ordinary conditions and by using the fuel recommended (see back side of this Directions Folder) this Generator will give long service. Eventually, however, the gradual collection of carbon inside the Generator will necessitate cleaning for proper operation. It should then be replaced with a new or reconditioned Generator. An extra Generator should be kept on hand, as it bears the same relation to your heater as a spare tire does to your car, and insures uninterrupted service. An extra Generator will be furnished you without charge upon our receipt of the Tag you will find attached to your Coleman Heater and on which is printed this Free Generator Offer.

Take the dirty or carbonized Generator to your dealer, who will send it to the nearest Coleman Office, where it will be cleaned and put in operating condition again for a service charge of \$1.50.

Because of the necessity for the accurate adjustment of this Thermo-Safety Generator, we can guarantee proper operation and satisfactory service, only when the reconditioning of these Generators is done in our own shops.

**Clean the Gas Tip**—Small particles of dirt or carbon may occasionally stop up the gas tip in the end of the Generator. To clean—open and close the *Regulator Valve* several times. This works the cleaning needle back and forth through the gas tip and removes the obstruction.

## No. 6—How to Clean Tank

The Tank should be cleaned at least every three months, oftener if possible. This can be easily done with a Coleman Suction Pump, which your dealer can supply. It can also be cleaned as follows:

1. Close *Tank Fuel Valve* and *Tank Pre-heater Valve*.
2. Remove *Tank and Generator Assembly* from *Frame*.
3. Unscrew *Filler Plug*.
4. Disconnect *Fuel Tube*.
5. Unscrew *Tank Fuel Valve*.
6. Drain out old fuel, and put in a fresh supply. Rinse thoroughly, and empty again. Repeat this operation until you are sure the tank is absolutely clean.
7. Reassemble *tank and Generator Assembly* by reversing operations Nos. 5 and 4.
8. Fill tank with one gallon of clean, fresh undoped, motor gasoline, and replace *Frame*.
9. Replace *Filler Plug*, and pump tank up to operating pressure.
10. Test all connections for air and fuel leaks before attempting to light the Heater. Should you experience a slight leak, turn connections to the right until leak has been overcome.

When the Heater is stored away or is not to be used for some time, remove all fuel from the tank.