

# SERVICE CHART

## MODEL NO. 609 --- COLEMAN IRON

### Difficulty in Lighting:

- Cause:** (a) Clogged Gas Tip  
(b) Clogged Generator  
(c) Damaged Cleaning Needle  
(d) Clogged Fuel Tip (inside fount)

**To Remedy:** (a, b, c) Be sure fount contains ample air pressure. Then loosen hexagon nut under fount and remove fount, valve and generator unit.

Now take this assembly outside the house and open generator valve and revolve the cleaning lever several revolutions, thus working cleaning needle through gas tip, and releasing a spray of gasoline which will flush the tip clean, if only partially clogged.

If Iron still lights unsatisfactorily, replace the generator complete.

Following instructions in paragraph 9 inside this folder.

(d) if after performing the above the Iron does not work satisfactorily then clean the fuel tip (inside the fount) as follows:

Remove fount, valve and generator unit—empty fuel from fount—place valve body in vise. Unscrew fount by applying wrench to hexagon nut at bottom of fount.

Now unscrew the cylinder shaped screen and clean fuel intake (the small orifice in the side of fuel tip) with special cleaning wire furnished with each Iron.

Carefully clean wire screen before replacing.

To prevent leakage, carefully soap the threads on the valve body and replace fount, being careful to keep soap away from fuel tip and from inside of fount.

### A Yellow Flaring Flame at Lighting:

**Cause:** The first flash of flame at lighting may sometimes consume all the oxygen within the burner casting, causing a yellow flame.

**To Remedy:** Blow against flame at lighting opening to supply fresh oxygen to the burner.

### A Fuzzy Looking Flame on Subflame Burner:

**Cause:** Subflame burner slots partially stopped up.  
**To Remedy:** Remove top of Iron, take the piece of thin metal furnished with iron and push through subflame burner slots to remove any dirt or carbon. For best results, these slots should be cleaned every three months.

### Leak at Jamb Nut:

- Cause:** (a) Loose Jamb Nut  
(b) Damaged Threads  
(c) Damaged Seat on Generator  
(d) Damaged Seat in Valve Body

### To Remedy:

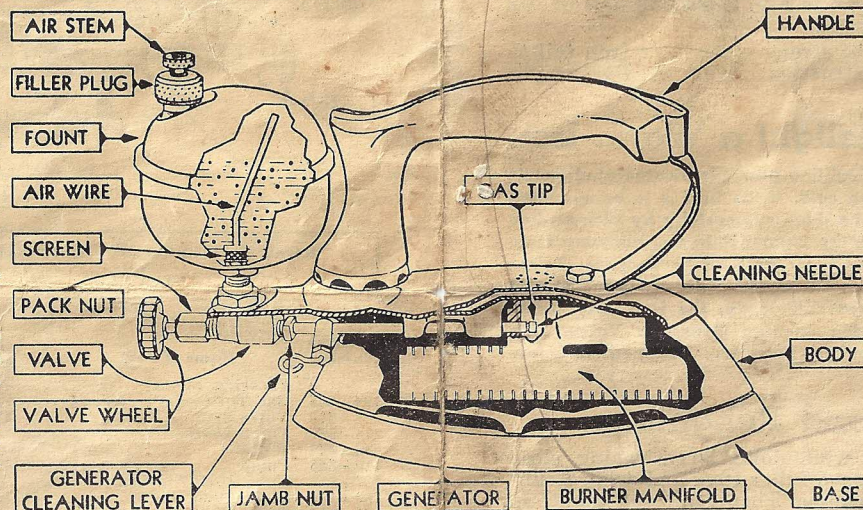
Tighten jamb nut.  
If leak continues, replace generator, complete, or if necessary, valve body.

### Leak at Pack Nut:

**Cause:** Worn packing or loose pack nut.

### To Remedy:

Tighten pack nut.  
If leak continues, replace valve stem and pack nut, or if necessary, replace valve complete.



### Leak at Filler Plug Air Stem:

**Cause:** Loose air stem or defective seat.  
**To Remedy:** Tighten air stem firmly. If leak continues, replace air stem or if necessary, replace filler plug complete.

### Leak at Filler Plug:

**Cause:** Worn gasket or defective seat.  
**To Remedy:** Replace filler plug gasket. If leak continues, send fount, valve and generator unit to nearest Coleman Branch for repairing.

### Loss of Pressure:

**Cause:** Leak at Filler Plug Air Stem.  
Leak at Filler Plug.  
Fuel Tip Stopped Up.

**To Remedy:** These are all discussed in preceding paragraphs.

**Note:** Loss of air pressure may also be caused by loose gas tip in generator, or an enlarged orifice in gas tip.

# DIRECTIONS

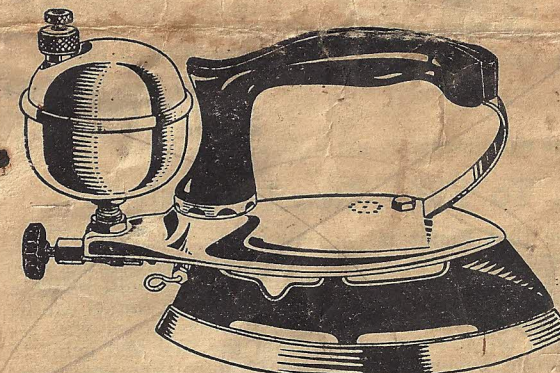
FOR OPERATING THE

## COLEMAN

## SELF-HEATING IRON

### Model No. 609

Instant-Lighting



REG. U. S. PAT. NO. 1718473

### Always Use a Good Grade of Fresh, Clean Gasoline

Gasolines which have been chemically treated to remove carbon or increase power will not work well in gas pressure products as they are intended solely for use in automobile engines.

Before each weekly ironing be sure to entirely empty contents of Fount and refill with fresh gasoline.



Made in United States of America

## The Coleman Lamp and Stove Company

General Offices: Wichita, Kans., U.S.A.  
Factories: Wichita, Kans.; Toronto, Canada  
Sales Offices: Chicago, Philadelphia, Los Angeles, Portland, Ore.  
Honolulu, Hawaii, Toronto; Canada, London, England



# OPERATING DIRECTIONS FOR MODEL No. 609

1. The most important step in the successful operation of this Iron is that you entirely empty Fount before each weekly ironing, and re-fill with fresh gasoline as instructed in Paragraph 2.

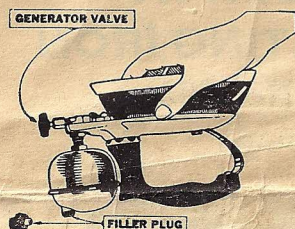


Fig. 1

Remove Filler Plug by turning to left, rinse and empty Fount as illustrated in Fig. 1.

Gasoline once used and left in the Fount quickly sours and sour gasoline will absolutely not work satisfactorily.

## 2. To Fill — Read Carefully

See that Fount is entirely empty. Then use fresh, clean, untreated gasoline. Fill Fuel Measuring Cup full. Empty gasoline from Cup into Fount, using a Coleman No. O Filtering Funnel. (This funnel can be purchased from your dealer.) This funnel will remove all dirt and water from the fuel and helps to prevent generator stoppage. If more than one measure of fuel is put into fount, the Iron will not light properly.

## 3. To Pump

Loosen Filler Plug Air Stem one full turn to left and pump eight full quick strokes of air into Fount. Hold Pump straight while pumping. Now close Filler Plug Air Stem with fingers.

## 4. To Light

Have you filled and pumped the Fount properly? Before lighting Iron, be sure you have carefully followed the instructions in Paragraph 2 and 3.

Turning the Generator Cleaning Lever causes the Gas Tip Cleaning Needle inside the Generator to work in and out of the Gas Tip orifice, thus keeping the Gas Tip clean and open.

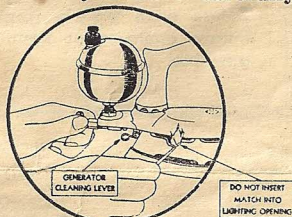


Fig. 2

Always turn the Generator Cleaning Lever several revolutions before lighting Iron. For correct lighting, the Generator Cleaning Lever must be stopped with Lever pointing towards the Valve Wheel. (See Fig. 2.)

Hold a lighted match outside of Iron Body beside the Lighting Opening. Do not insert match into Lighting Opening. At the same time open Generator Valve Wheel to left. Burner will light from match without it being inserted into Iron.

As soon as Iron is lighted, open Filler Plug Air

Stem and pump four or five additional strokes of air into Fount. Then, close Air Stem firmly with finger. Should flame of match go out before Iron lights, close Generator Valve Wheel at once and pump six or eight strokes of air into Fount before lighting another match.

## 5. To Regulate

Important: DO NOT attempt to regulate Iron with Valve Wheel. Allow Iron to burn several minutes before regulating. This insures Generator being hot enough to regulate properly.

To regulate the flame while Iron is in use, push the Generator Cleaning Lever up or forward just a little. This lowers the flame. To increase the flame, push Lever down or back again towards original position as shown in Fig. 2. When Generator Cleaning Lever is in position, as shown in Fig. 2, the full flow of gas is supplied by Generator.

If flame should not be strong enough, or Iron fail to light, read the instruction given in Paragraphs 8 and 9.

## 6. How To Relight a Warm Iron

Because of the Instant Lighting principle incorporated in this Iron, it lights best when cold. If the Iron is to be relighted when warm, this may be done successfully by placing two lighted matches through the Lighter Hole and allowing them to burn underneath Generator as long as possible. Before matches burn out open Generator Valve quickly. Should Generator not be heated sufficiently, the Iron may throw out a yellow blaze upon opening Generator Valve. This will do no harm—the yellow blaze will disappear in a few seconds.

## 7. Refilling and Relighting

If Fount runs empty while doing large ironing, close Generator Valve, remove Filler Plug and drain Fount of any remaining gasoline. Then refill and pump up Fount as instructed in Paragraphs 2 and 3. The Iron will light easily if relighted within eight minutes. Read instructions in Paragraph 6 for relighting after a longer period than eight minutes and while Iron is warm.

## 8. To Clean Gas Tip When Iron Is Burning

Be sure there is ample pressure in Fount. Hold a lighted match to side of Iron. Now revolve Generator Cleaning Lever several revolutions.

## 9. To Change Generator

1. Loosen the hexagon nut under fount and remove fount, valve and generator unit from iron.
2. Unscrew jamb nut and remove old Generator.
3. Put new Roto-Type Generator in place and thread jamb nut into valve body. Make sure this connection is tight.
4. Replace fount, valve and generator unit on iron. Tighten the hexagon nut under fount.

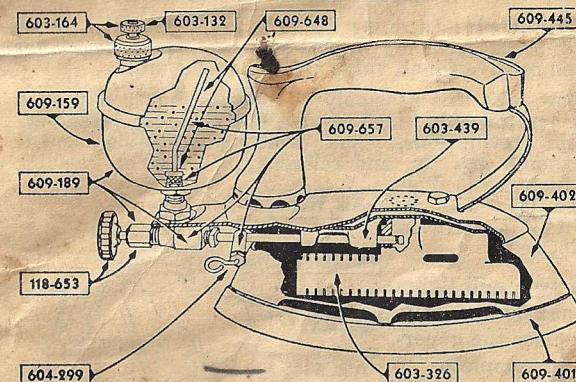
# Parts and Price List For

## COLEMAN

### Model No. 609

Instant-Lighting

## IRON



Repair Parts in Canada Slightly Higher in Price on Account of Customs Duty

Order by Number	Name of Part	Retail Price
0	Filtering Funnel	\$0.60
104 - 905	Gas Tip Cleaning Needle	.09
118 - 653	Valve Stem Complete	.45
216 - 509	Pump Leather	.06
362 - 950	Wrench	.15
410 - 686	Pump	.45
603 - 132	Filler Plug Air Stem	.18
603 - 136	Filler Plug Gasket	.03
603 - 164	Filler Plug Complete	.36
603 - 326	Burner Manifold	.75
603 - 439	Pilot Flame Baffle Plate	.09
604 - 299	Roto Type Generator (Gas Tip Marked "I")	.50
604 - 301	Burner Cleaner	.03
604 - 440	Stand	.24
604 - 920	Fuel Measuring Can	.24
609 - 159	Fount (Less Filler Plug)	1.85
609 - 189	Fount, Valve and Generator	3.00
609 - 401	Base	1.50
609 - 402	Body, (Porcelain)	.75
609 - 445	Hasp	1.35
609 - 648	Fuel Tip and Air Wire (Fuel Tip Marked "AY")	.45
609 - 657	Generator, Valve, Fuel Tip and Air Wire Complete	1.50

"Repair Parts Prices Subject to Change Without Notice"

### WARNING!

Do not attempt to operate this iron with LAMP GENERATOR of similar design. Use only Generator No. 604-299, with gas tip marked "I" for identification.

"For longest service—for best 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; therefore, only Genuine Coleman Parts and Accessories can be trusted to give satisfactory service.

The use of other than Genuine Coleman Parts and Accessories invalidates the Coleman Guarantee."