

WHAT TO DO—

A. If Iron Floods When Lighted:

Cause: Tank has been over filled.

Remedy: Read and follow instructions given in paragraphs 1 and 2 for correct filling.

Cause: Attempting to light when iron is warm.

Remedy: Read paragraph 5.

B. If Iron Blazes Up When You Light It:

Cause: Incorrect Lighting.

Remedy: Read and follow directions in paragraphs 4 and 5.

Cause: Enlarged opening in gas tip.

Remedy: Put in new tip or complete new generator.

C. If Iron Does Not Light at All:

Cause: No fuel or lack of air pressure.

Remedy: Fill tank as instructed in paragraph 2, and then pump in eight full strokes of air.

Cause: Gas tip 603-218 may be clogged.

Remedy: Remove tank and generator unit as per paragraph 8 inside. Now open and close valve which will move cleaning needle back and forth through gas tip. If this does not permit the gas to flow freely, change generator and cleaning needle.

D. If Flame Is Weak or Goes Out Suddenly:

Cause: Fount may leak air.

Remedy: Pump up tank, then remove tank and generator unit. Be sure valve is closed and insert tank under water to test for leak. If bubbles come from filler plug 603-164, put in new gasket 603-136, or get a new filler plug 603-164. If bubbles come from around the threads where bottom of tank screws on to valve, unscrew tank, rub soap on valve threads, replace tank, tighten securely and retest. Never try to unscrew tank until after removing tank and generator unit from iron. It will usually be necessary to place valve body in a vise to hold it firmly while unscrewing tank. If above does not stop leak, get new tank.

E. If a Leak Develops at Back End of Generator:

Cause: Generator not seated properly into valve.

Remedy: Close valve stem, then tighten jam nut 104-210 with wrench. If leak continues, put on new generator. If new generator fails to stop leak, then trouble is with valve, which should be replaced by new one.

F. If Fount Loses Pressure Without a Leak in Filler Plug:

Cause: Fuel tip inside tank partially clogged.

Remedy: See paragraph 9.

G. If Pump Does Not Work:

Cause: Plunger leather may be dry.

Remedy: Remove plunger and soften leather with oil.

Cause: Plunger leather worn out.

Remedy: Put in new leather.

H. Should there be any condition preventing proper operation which can not be corrected by following above suggestions, write us, describing as nearly as possible the manner in which the Iron does not operate properly, and complete instructions will be forwarded at once.

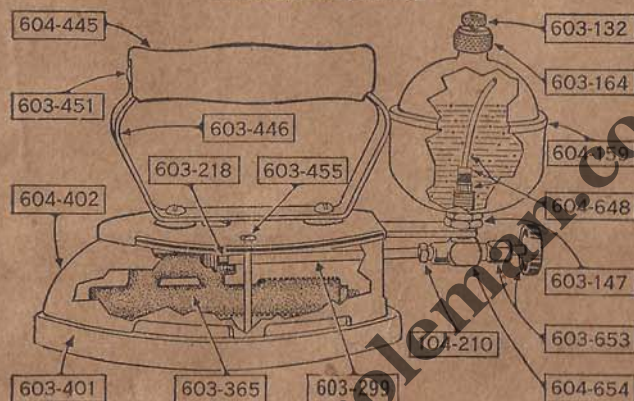
Parts and Price List

FOR

COLEMAN Self-Heating Iron

MODEL No. 4

Instant Lighting



Part No.	Name of Part	Retail Price
104-210	Jamb Nut	.....\$ .03
216-509	Pump Leather	.....2 for .09
410-585	Pump	......45
603-132	Filler Plug Air Stem	......18
603-136	Filler Plug Gasket	.....2 for .06
603-164	Filler Plug Complete	......48
603-218	Gas Tip (Marked "T")	......06
603-299	Generator, Cleaning Needle and Holder	......36
603-365	Burner Manifold and Plug	......96
603-440	Stand	......24
603-648	Cleaning Needle and Holder	......15
603-653	Generator Valve Stem and Pack Nut (Less Needle and Holder)	......45
604-159	Fount (Less Filler Plug)	.....1.35
604-189	Fount, Valve and Generator Complete Assembled	.....3.00
604-445	Iron Handle	......21
604-648	Fuel Intake and Air Wire	......30
604-657	Generator Valve, Fuel Intake and Air Wire Complete Assembled	.....1.50
604-930	Fuel Measuring Cup	......45
605-950	Wrench	......15

DIRECTIONS

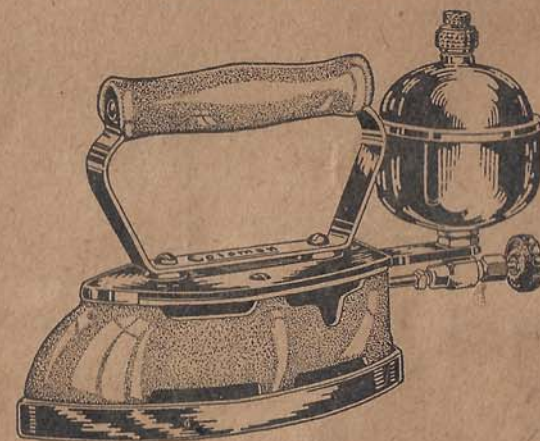
FOR OPERATING THE

Coleman SELF-HEATING Iron

Model No. 4

Instant Lighting

Reg. U. S. Pat. No. 1718473



Always Use a Good Grade of Fresh, Clean, Water-white 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.

The Coleman Lamp & Stove Co

General Offices: WICHITA, KANSAS

Branches: Philadelphia, Chicago, Los Angeles

Factories: Wichita, Chicago, Toronto, Canada

Operating Directions for Model No. 4

TRY THIS RIGHT NOW!

WHAT?—Get acquainted with the generator valve. Open it "Quickly" and as many turns as possible" (Give it the gas) a few times until you can do it easily. Then follow instructions below.

WHY?—Because the correct method of opening the generator valve is so important for good lighting you should try it a few times before filling iron.

WHEN?—Right now before you put any gasoline in the Fount.

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

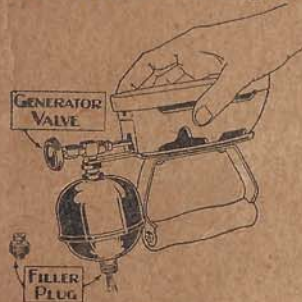


Fig. 1

Remove filler plug by turning to left, rinse and empty fount as illustrated in Fig. 1.

2. To Fill—Read Carefully

Close Valve tightly to right. See that Filler Plug is removed and tank is entirely empty. Then use fresh, clean, water-white gasoline, fill small filling can full. If more than this amount is put into tank the Iron will not light properly. Empty gasoline from can into tank as illustrated in Fig. 2. Now replace Filler Plug.



Fig. 2

3. To Pump

Loosen air stem one full turn to left and pump 8 full quick strokes of air into tank. **Hold pump straight while pumping,** (See Fig. 3.) Now close air stem firmly with fingers.



Fig. 3

4. To Light

Have you filled the fount properly? Before lighting Iron be sure you have carefully followed the instructions given in Par. 2.

When tank is properly filled and pumped the Iron may be lighted. Study Fig. 4. Hold a lighted match in the left hand with the flame close to Lighter Hole as illustrated. **At the same time open Generator Valve quickly and as many turns as possible.** Burner will light without inserting match into iron. Do not stop opening valve at the first signs of lighting but turn wide open. Should the flame of match go out before iron lights, close valve at once and pump 6 or 8 strokes of air into tank before lighting another match. **As soon as iron is lighted open air stem and pump in 4 or 5 additional strokes of air.**

If flame should not be strong enough, or iron fail to light, read and follow instructions given in Par. 7 and 8.



Fig. 4

Regulate heat with valve wheel, observing flame through opening in side of iron.

5. 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 tube as long as possible. Before matches burn out open valve quickly several turns. Should generator not be heated sufficiently, the iron may throw out a yellow blaze upon opening valve. This will do no harm—the blaze will disappear in a few seconds.

6. Refilling and Relighting

If tank runs empty while doing large ironing, close valve, remove filler plug and drain tank of any remaining gasoline. Then refill as instructed in Par. 2. The iron will relight easily if refilled and relighted within 8 minutes. Read instructions in Par. 5 for relighting after a longer period than 8 minutes and while iron is warm.

7. To Clean Gas Tip Before Lighting Iron

Be sure there is ample pressure in tank. Then remove tank, valve and generator unit as instructed in Sec. A and B of Par. 8. Now open generator valve three full turns and close. Do this several times to work cleaning needle in and out of gas orifice.

To clean Gas Tip when Iron is burning

Be sure there is ample pressure in tank. Then hold lighted match to side of iron. Now open generator valve three full turns and close, as above. Repeat if necessary.

8. To Change Generator Tube and Cleaning Needle

A—To change generator or needle, first loosen hexagon lock nut (603-147) as shown in Fig. 5.

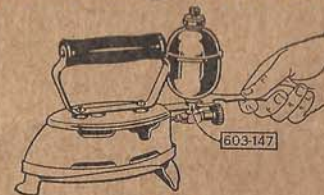


Fig. 5

B—Now remove tank and generator unit as shown in Fig. 6. Loosen air stem to release all pressure from tank.



Fig. 6

C—With wrench loosen generator jamb nut (104-210) as shown in Fig. 7. Slip generator off of cleaning needle and remove cleaning needle by unscrewing with pliers. (Hold tank in left hand and unthread needle by turning pliers anti-clockwise.)

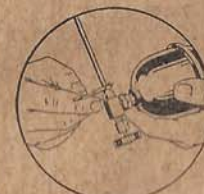


Fig. 7

D—Now thread new cleaning needle into place and tighten lightly with pliers. (Fig. 8.) Then slip new generator tube over cleaning needle, being very careful not to damage the fine wire on end of needle—Change jamb nut from old generator to new generator and tighten firmly with wrench.



Fig. 8

9. To Clean Fuel Tip Inside Tank

Inside the tank there is a fuel tip, well protected by a fine mesh screen. This fuel tip must be kept open or the iron will not operate satisfactorily on the Instant-Lite principle. If the tank is properly emptied and filled each time the iron is used it will probably never be necessary to clean this fuel tip. However if tip should become clogged, take the iron to your dealer or write us for instructions.