

SINGLE NEEDLE TORCHES



No. 130 Torch
One Quart



No. 132 Torch
One Quart



No. 144 Torch
One Quart

Clayton & Lambert THE QUALITY LINE

The best Torches are always the cheapest in actual service, and we especially recommend the No. 208 which is fitted with the latest improved Double Blunt Needle burner which is illustrated by Sectional View, also the No. 32 Improved Torch is now made with extra powerful Single Needle burner, producing over three hundred degrees more heat. These high grade Torches will give perfect satisfaction for use indoors or for outside work under the most severe conditions of wind and weather. No. 48-S Torch is popular for electricians' use and for close work in corners where the ordinary Torch cannot be used. The Nos. 130, 132, and 144, quart-size Torches, are good quality low-priced tools, the best that money can buy.

REMEMBER, that the name Clayton & Lambert on a Torch is always a guarantee of service

No.	Torch, Quart Size	List Price
32	Torch, Quart Size	\$18.00
38	Same as No. 32, Pint Size	17.00
48-S	" Pint Size	22.00
48-D	Same as No. 48-S with Double Needle Burner	24.00
130	" Quart Size	17.00
132	" Quart Size	16.00
138	Same as No. 132, Pint Size	15.00
144	" Quart Size	15.00
146	Same as No. 144, Pint Size	14.00
206	" Two-Quart Size	30.00
208	" Quart Size	19.00
210	Same as No. 208, Pint Size	18.00

ASK FOR DISCOUNT

SINGLE NEEDLE TORCHES



No. 32 Torch
One Quart



No. 38 Torch
One Pint



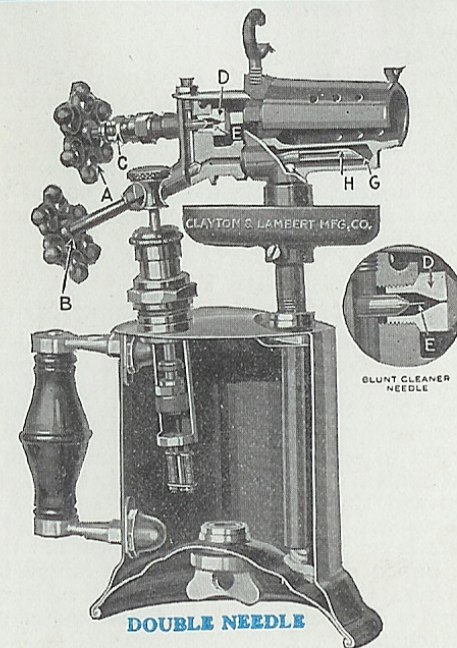
No. 48-S Torch
One Pint

EFFICIENCY— Is largely a matter of Tools

It always pays to use good Gasoline Blow Torches, more so possibly than any other tools used by Mechanics, because a Blow Torch that produces the highest degree of heat and is strictly dependable, not only does better work but saves a large amount of time and fuel expense which adds dollars to the user's profits and more than offsets the price of the tool. The Clayton & Lambert Quality Line of Blow Torches are built for quick work and reliable service, and they have been recognized by the trade for over thirty-five years as the Standard of Quality and Efficiency. There are many improved and patented features which add to their usefulness. The burners are made of high grade generator bronze having extra long generator vein that superheats the gas before it is burned causing a steady hot blue flame which burns perfectly the low test fuels now obtainable. The pump is quick-acting and powerful, fitted with patented double spring automatic check valve. The tank is drawn from heavy gauge brass, strongly reinforced on the inside and will withstand hard service. Our permanent bronze finish is applied to the surface of the metal which preserves its natural lustre longer and better than any polished tank protected by the highest grades of lacquer. The inspection of our tools insures the highest degree of service. Each Torch passes through a series of tests and the complete tool is finally tested in the way that it is to be used by the user, then passing under the direct inspection of the Chief Inspector while it is still burning to see that each part functions properly.

What Makes a Blow Torch Blow

A few Simple Facts Everyone Should Know



The Standard of Excellence

JOHN J. MEAD & CO.

SAYVILLE, L. I., N. Y.

DOUBLE NEEDLE TORCHES

**For Extra
Heavy Work**



**No. 206 Torch
Two Quart**

**The Best Torch
for Regular Use**



**No. 208 Torch
One Quart**

DOUBLE NEEDLE TORCHES

Double Blunt Point Needles cannot injure the orifice. They practically do away with all burner troubles, and add many years to their usefulness.

They produce 300 degrees more heat and burn low test gasoline. Upper Needle has wire tip for cleaning Orifice. Lower Needle regulates the supply of gas to the Burner. Improved Generator and Long Vein Tube insure perfect combustion and maximum heat. Safety Stop prevents Upper Needle being unscrewed too far. Jet Block is removable. All parts are interchangeable and can be removed for cleaning. Double Needle Burners save time and fuel which adds to your profits. Patented Reinforcements make Burner and Handle rigid.

Double Needle Torches are practically Fool Proof.

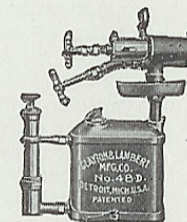
DOUBLE NEEDLE TORCHES

**A Handy Torch
for Light Work**



**No. 210 Torch
One Pint**

**Flat Tank—
A Small and
Compact Torch**



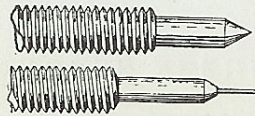
**No. 48-D Torch
One Pint**

HOW C & L TORCHES ARE MADE AND HOW THEY OPERATE

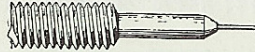
Double Needle Burners

TO BE PERFECT THE BURNER MUST HAVE THREE CORRECTLY DESIGNED PARTS THAT ARE ACCURATE TO A THOUSANDTH PART OF AN INCH

These three parts are Generator, Gas Orifice, and Air Inlets and they are absolutely right in our Double Blunt Point Needle Burners and they stay all right as the only moving parts are the needles and their construction makes it impossible to change or damage these three essentials. No other Gasoline Burner will equal the Service or deliver the Intense Heat that this type of burner will.



C.&L. Blunt Shut Off Needle
Regulates the supply of gas. Orifice cannot be enlarged.



C. & L. Blunt Cleaner Needle
with wire tip. Cleans the Orifice but cannot enlarge it.

THE BURNER OR GENERATOR

Anything that will change the liquid fuel into gas and then burn the gas is a Burner or Generator. All other parts being good and the burner poor means a poor tool. Clayton & Lambert makes two types of burners—Double Blunt Point Needle underflow generator type and Single Sharp Point Needle closed underflow generator type as shown by illustrations.

The C & L Generators or Burner Bodies have long veins and generate a large amount of superheated gas producing a blue, intensely hot flame in large volume. Either style of Burner Body is heavy and will give long and hard service. The Double Blunt Point Needle Burner is made with a heavy Burner Body, a heavy back burner or needle section and two Blunt Point Needles. The lower needle shuts off the fuel and controls the flame. The upper needle cleans the orifice. Neither needle can harm nor enlarge the orifice or gas opening. Sixty per cent or more of the burner troubles are caused by the sharp pointed needles enlarging the orifice, throwing the burner out of balance, making a smoky flame, and causing the burner to run cold.

THE TANK

We draw Torch Tanks out of a flat sheet of 18 gauge special deep drawing brass, making the shell without seam. The bottoms are drawn then corrugated and filler hole punched and when in place the bottom forms a funnel for filling the tank. After the parts are drawn and perforated for the fittings, the tank shells are annealed to relieve all drawing strains which if left might result in cracked, porous or leaky tanks. Burner, Pump and Handle Openings are fitted with forged reinforcement, seamed in and then soldered. The bottom is set up inside the tank shell and the shell edge turned over securely fastening in the bottom. The tank is then set in a tray of melted solder and the bottom is sweated in, making the strongest possible construction.

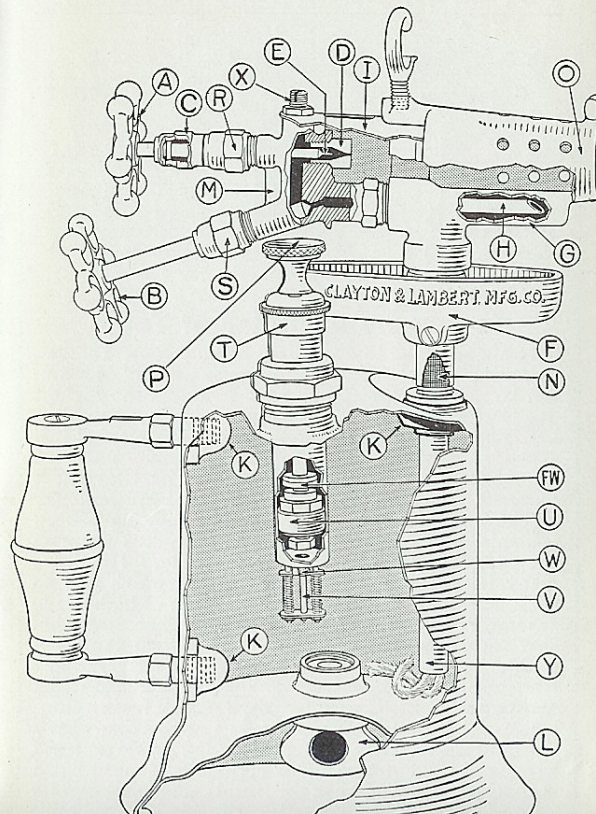
The Fire Pot Tank is made the same way, but the

Do you buy, use, or sell Gasoline or Kerosene Torches? If so, you, no doubt, want to know as much about them as possible. You surely will want to know how and why they work; what makes some work better than others; and why some produce more heat and use less fuel. To give you this information is one reason for printing this circular.

THREE ESSENTIALS ARE REQUIRED TO MAKE A TORCH

A Tank to hold the fuel; a **Pump** to force the fuel from the tank to the burner; and a **Burner or Generator** to change the fuel from a liquid to gas and burn the gas. The better each of these three parts, the better and more durable the tool will be. Clayton & Lambert Mfg. Co. uses the following construction:

- | | | |
|-------------------------|-------------------|----------------------|
| A. Short Cleaner Needle | F. Drip Cup. | P. Pump. |
| G. Generator. | H. Vein Tube | R. Stuffing Box on A |
| B. Long Shut Off Needle | I. Burner Shield | S. Stuffing Box on B |
| C. Stop Nut. | K. Reinforcements | T. Pump Cap. |
| D. Jet Block. | L. Filler Plug. | U. Cup Leather. |
| E. Wire Tip | M. Back Burner | V. Check Valve |
| W. Flat Leather Washer. | N. Burner Nipple | W. Cork Valve Seat |
| | O. Burner Tube. | X. Cleanout Screw |
| | | Y. Dip Tube. |



SHARP NEEDLE POINT BURNERS

There are dozens of makes varying in value. The result of our over thirty-five years experience has proved to us that over 60% of the troubles reported are caused by sharp point needles that the user in closing off the flame has forced the needle into the Gas Orifice enlarging it and throwing the burner out of balance, making it useless. To prevent as much as possible the damage by sharp point needles, we make double shoulder needles with as large shoulders back of the tapered end as possible, and also have a heavy solid wall of metal in the burner body in front of the orifice. We believe that there is less loss where our style of sharp needles are used than where burners are fitted with needles having longer taper or smaller shoulders. C & L Sharp Needle Point Closed Type Underflow Generator Burners produce a large volume of superheated gas and are economical in consumption of fuel.



Sharp Pointed Needle
Quickly ruins the Burner by forcing Orifice larger if the operator does not take proper care.

THE PUMP

All kinds of pumps are used by various makers, varying from a rubber bulb and bicycle pump to automatic air pumps or the combination of bicycle plunger construction with automatic check valves. We use our Patented Automatic Double Spring Pump. See cut showing its construction. It is simple, effective and has stood the test of upwards of twenty-five years service. It is easily repaired and foolproof.

Look the Tanks, Pumps and Burners Over.

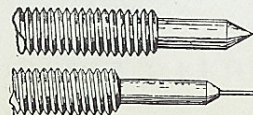
Note the many steps that have been taken to use materials best for the purpose, special close grained deep drawing brass and drop forged bushings, reinforcements, handles, brackets and fittings. They are stronger and closer grained than castings. They cost more, but are better. That's why Clayton & Lambert use them. The fact that a high class of workmanship and skill is used in making, assembling and testing is plainly seen, particularly when any Clayton & Lambert Tool is compared with other makes. **What will these tools do?** Any work that any other make will do and they will do it quicker, better, and will also do work other makes cannot do. Best of all when you are through with the days' work you still have a first class tool left and have accomplished more and used less fuel and haven't had to cuss your Torch or Helper, always providing you have been using a C & L tool.

Your attention is called to the most popular Gasoline and Kerosene Tools made by Clayton & Lambert and the individual description of them.

We trust this circular will be a help to you and we

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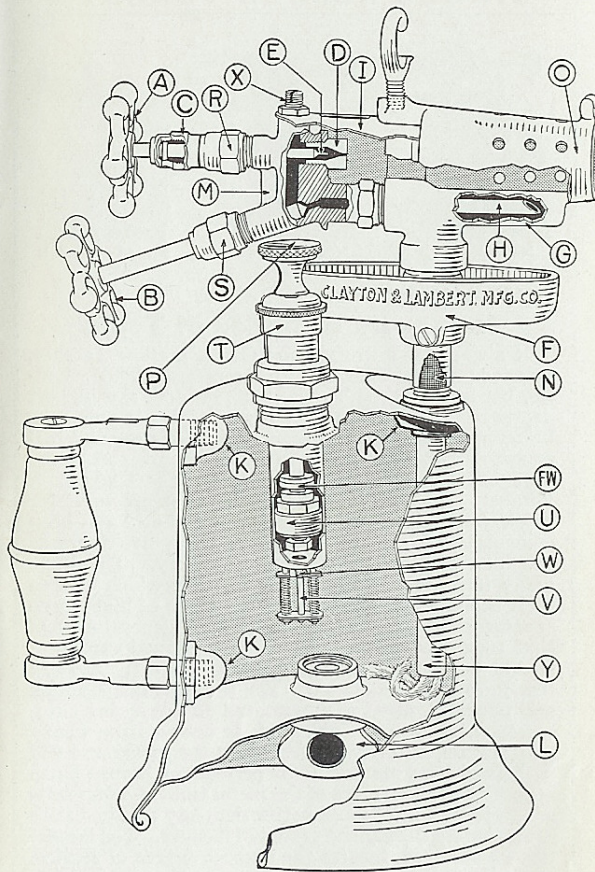
The Fire Pot Tank is made the same way, but the material is heavy, deep, drawing sheet steel with the fittings welded in. The steel shell and bottom are both tinned inside and out before the bottoms are rolled in thereby adding years to their life. The same type of filler plug fitted with lead washer is used on both tools. **Remember—a weak or leaky tank is dangerous and makes the tool of little or no value.**

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DOUBLE NEEDLE TORCH
— Sectional View —

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We trust this circular will be a help to you and we call your attention to the fact that Clayton & Lambert Mfg. Co.'s Tools can be had from your jobber at the lowest factory price.

Send for Circular 165 "What Makes a Good Fire Pot"