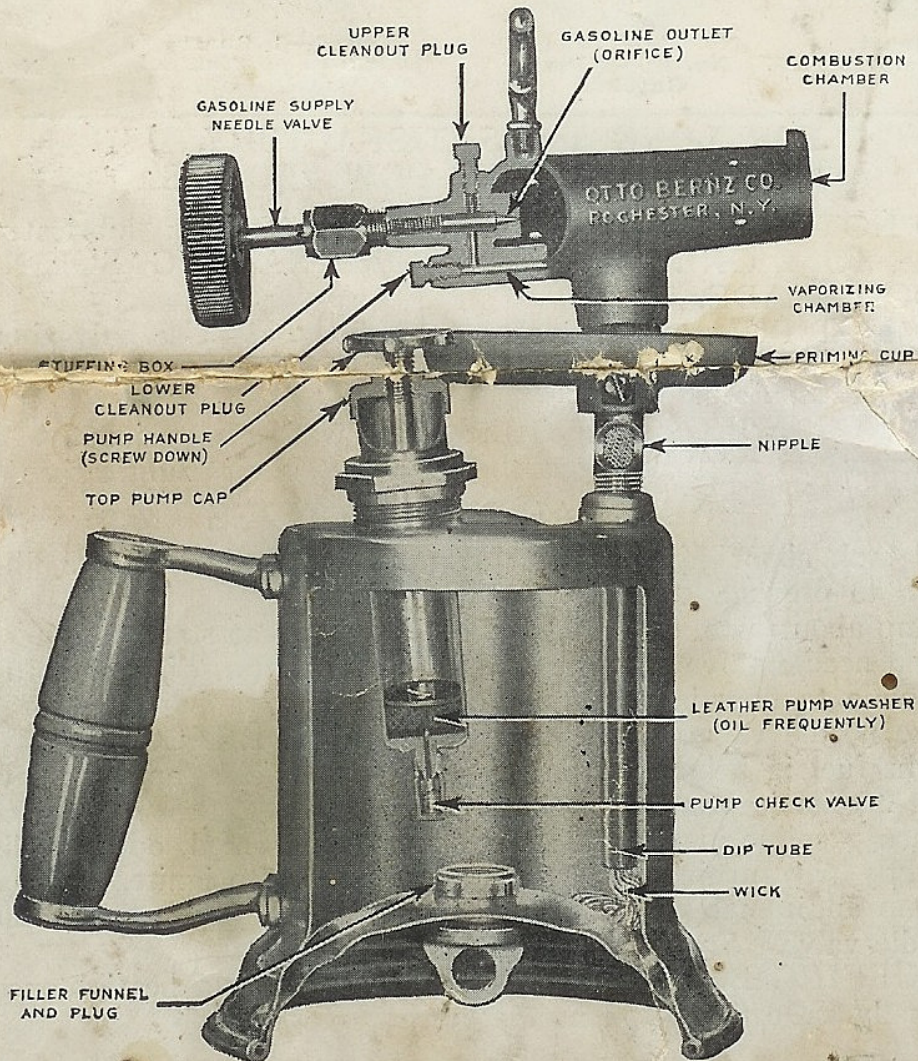


The "ALWAYS RELIABLE" LINE of QUALITY

DIRECTIONS



IMPORTANT INFORMATION

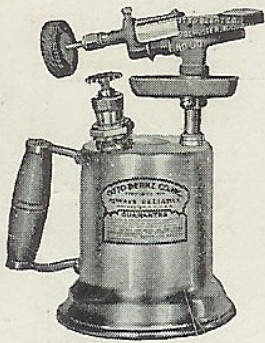
Save for Future Use

OTTO BERNZ CO., INC.

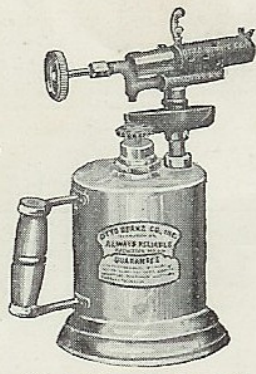
ROCHESTER, N. Y., U. S. A.

Established 1876

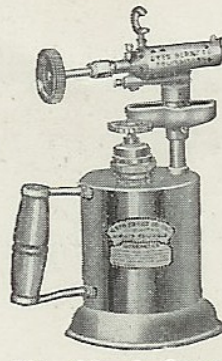
MANUFACTURERS OF TORCHES, FURNACES, BRAZIER, AND A
COMPLETE LINE OF REGULAR PLUMBERS TOOLS



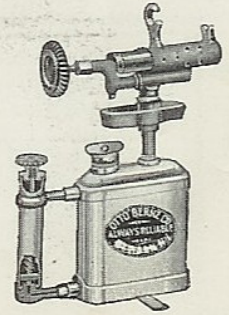
No. 50—1 Quart
(Flat Burner)
Gasoline



No. 83—1 Quart
No. 84—1 Pint
Gasoline



No. 87—1 Quart
No. 88—1 Pint
Gasoline



No. 6—1 Pint
Gasoline-Kerosene

**FOR LONG and SATISFACTORY USE
OBSERVE THESE FEW "DON'TS"**

1. DO NOT USE ethyl blend, "treated", high test, or "lubricated" gasoline. USE ONLY A CLEAN, ORDINARY GASOLINE OF GOOD GRADE.
2. DO NOT PUMP excessive pressure in tank. Use only about 5 to 10 strokes when starting, adding additional pressure from time to time, as required.
3. DO NOT FORGET to oil the pump washer occasionally. Merely unscrew top pump plunger, then soak washer in lubricating oil.

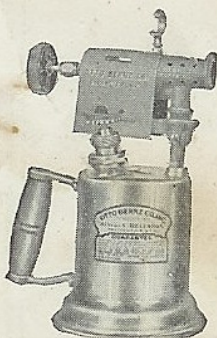
GENERAL INSTRUCTIONS

1. Fill tank about $\frac{3}{4}$ full with good, clean gasoline. Close filler plug *tight* to prevent leaking.
2. Pump about 5 to 10 strokes of air into tank at start.
3. Open needle valve slightly. Hold hand in front of burner to permit gasoline to flow into priming cup. When priming cup is $\frac{3}{4}$ full close needle valve. WIPE OFF ANY OVERFLOW.
4. Light fuel in priming cup. If necessary, shield flame from wind so that burner is properly preheated.
5. When gasoline in priming cup is nearly consumed, open needle valve slightly (by turning to left) to allow burner to ignite.
6. Pump additional pressure in tank and regulate size of flame with needle valve. *Screw down plunger of pump.*
7. STUFFING BOX NUT on needle valve should be tightened occasionally. Do this when needle valve is closed.

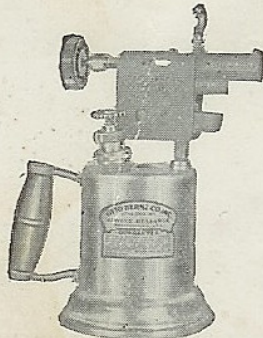
SPECIAL INSTRUCTIONS FOR GASOLINE TORCHES

No. 6-C, 50, 83, 84, 87 and 88.

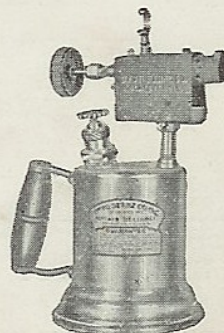
The needle valve of above torches enters directly into the burner orifice. WHEN EXTINGUISHING FLAME, DO NOT TURN VALVE TOO TIGHTLY, as this would enlarge the orifice, thus spoiling burner. Merely close valve *gently* so as to extinguish flame.



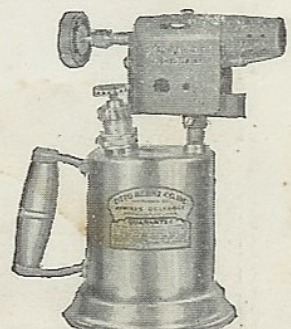
No. 79A—1 Quart
No. 80A—1 Pint
Gasoline-Kerosene



No. 83A—1 Quart
No. 84A—1 Pint
Gasoline

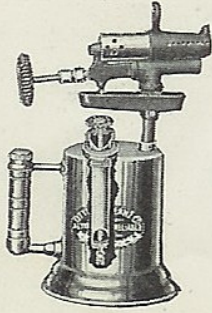


No. 87A—1 Quart
No. 88A—1 Pint
Gasoline

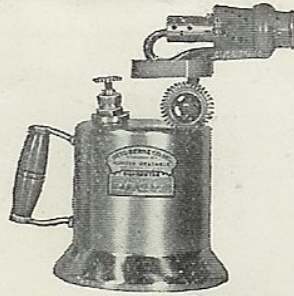


No. 50A—1 Quart
No. 250A—1 Pint
Gasoline-Kerosene

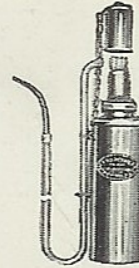
These four torches equipped with removable slender type self cleaning needles.



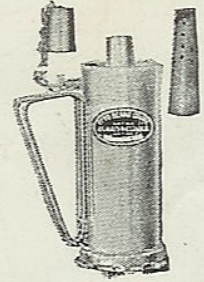
No. 79—1 Quart
No. 80—1 Pint
Gasoline-Kerosene



No. 92—2 Quarts
Gasoline-Kerosene



No. 16— $\frac{1}{4}$ Pint
Alcohol



No. 30— $\frac{1}{4}$ Pint
Alcohol

SPECIAL INSTRUCTIONS FOR GASO.-KERO. TORCHES

No. 6, 31, 79, 80, 82, 82-B, 82-C, 92, 92-B and 92-C.

Above torches are regularly equipped for gasoline use and burner jet block is marked "G". For use with kerosene, insert jet block marked "K" in burner body. KEROSENE JET BLOCK SUPPLIED ON REQUEST.

The needle valve of above torches does not enter directly into burner orifice, therefore it is impossible to enlarge orifice no matter how tightly valve is turned.

Occasionally clean burner block, using the special cleaning needles, which will be found in the handle of the torch.

SPECIAL INSTRUCTIONS FOR NO. 79-A, 80-A, 83-A, 84-A, 87-A, 88-A, 91, 93, 93-C, 250-A and 500-A TORCHES.

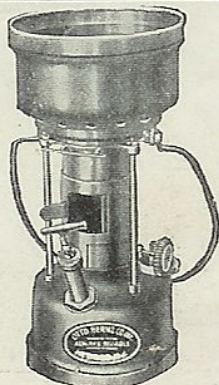
Needle valves of above torches are equipped with removable, slender type self-cleaning needle pin, which automatically cleans burner orifice each time torch is used. Do not remove this pin from holder.

No. 91 torch also has a special spiral spring cleaner for generating chamber. Occasionally turn lower looped handle to RIGHT to loosen carbon. Do this while torch is in use.

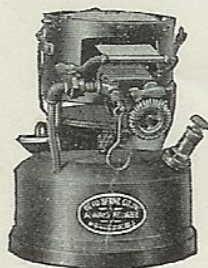
TO CLEAN BURNER

Unscrew burner. (On quart and pint size torches, first unscrew pump). Take burner apart and clean all parts in gasoline. When removing needle valve, protect the fine point by resting the entire valve on wheel handle. When reassembling, rub common brown soap on all threaded joints and screw all parts tightly to prevent leaks. BE SURE NOT TO ENLARGE SMALL GAS ORIFICE, WHICH MUST REMAIN IN ITS ORIGINAL SIZE TO PRODUCE THE PERFECT FLAME THIS TORCH HAD WHEN TESTED AT OUR FACTORY.

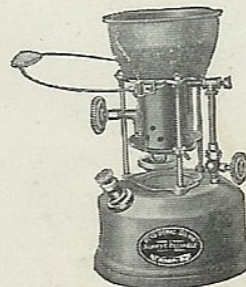
This torch has passed rigid tests and was in perfect condition when it left the factory. If, after following our instructions, you cannot obtain proper results, RETURN TORCH DIRECT TO FACTORY for adjustment, stating nature of complaint. No dealer is authorized to make any adjustment for us.



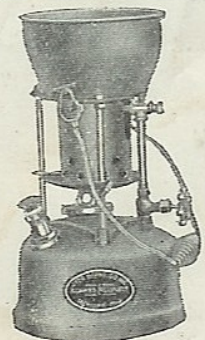
No. 32—1 Gallon
Gasoline-Kerosene



No. 90—1 Gallon
Gasoline


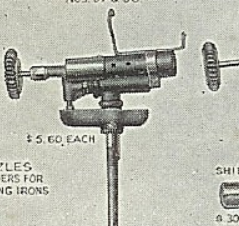
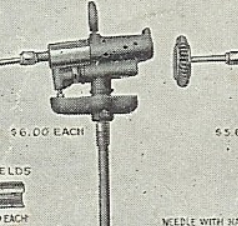
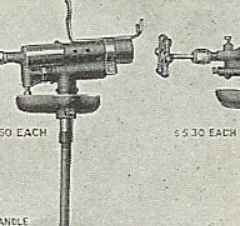
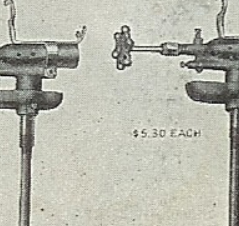




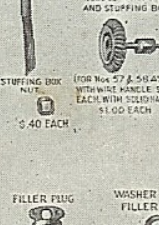


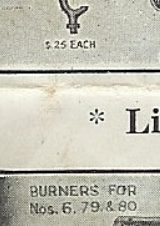



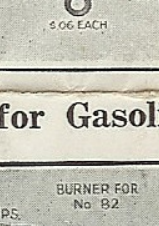
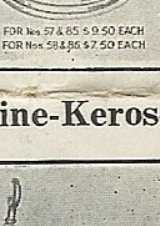

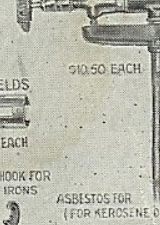
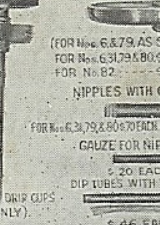

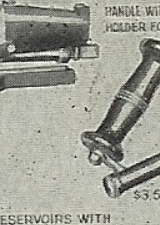
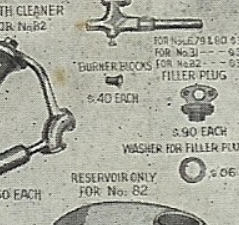


No. 46 Pump
No. 45 Bulb
1 Gallon Gasoline


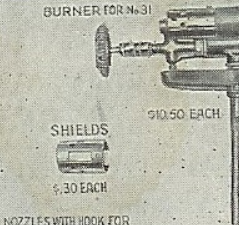
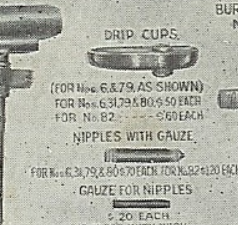
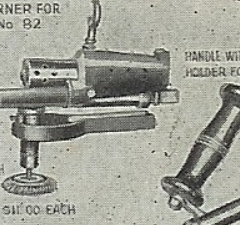
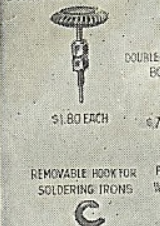
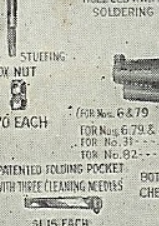

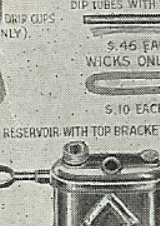

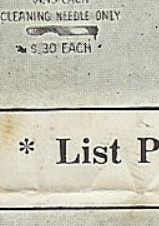
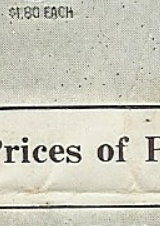
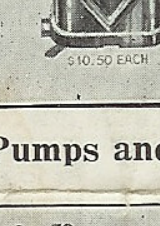
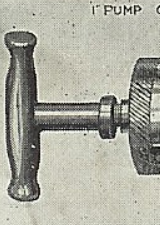
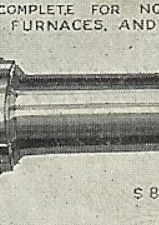
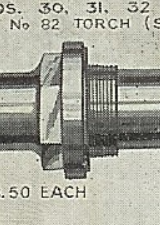
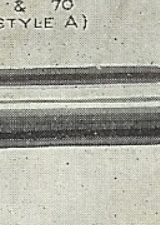
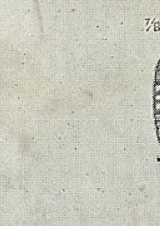
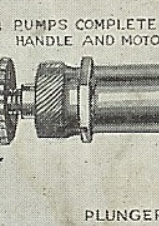
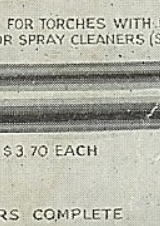
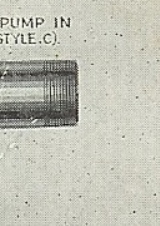
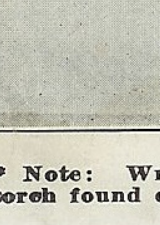

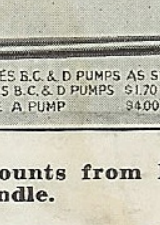
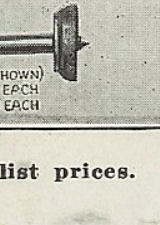


No. 44 Pump
No. 43 Bulb
 $\frac{3}{4}$ Gallon Gasoline

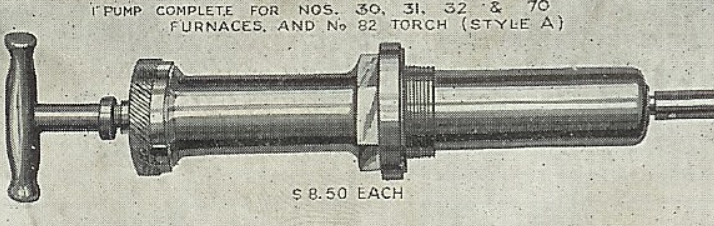
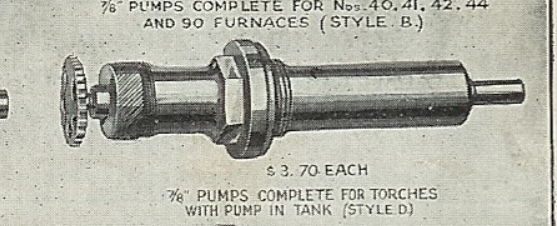

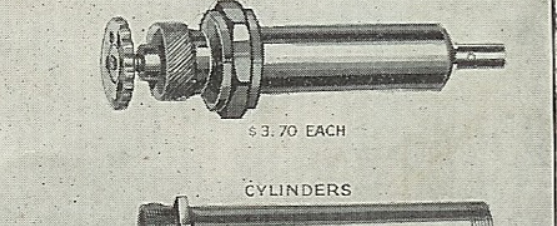
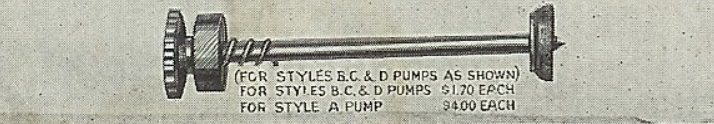
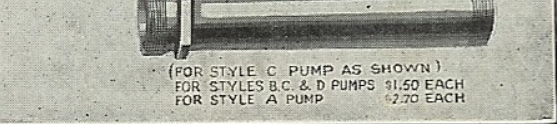
OTTO BERNZ CO. Inc. ESTABLISHED 1876 ROCHESTER, N. Y.
 * List Prices of Repair Parts for Gasoline Torches

<p>BURNER FOR No. 9</p>  <p>\$7.50 EACH</p>	<p>BURNERS FOR Nos. 57 & 58</p>  <p>\$5.60 EACH</p>	<p>BURNERS FOR Nos. 65 & 66</p>  <p>\$6.00 EACH</p>	<p>BURNERS FOR Nos. 53 & 54</p>  <p>\$5.60 EACH</p>	<p>BURNERS FOR Nos. 85 & 86</p>  <p>\$5.30 EACH</p>	<p>BURNERS FOR Nos. 87 & 88</p>  <p>\$5.30 EACH</p>
<p>BURNER BODIES WITH NEEDLE, HANDLE, AND STUFFING BOX NUT</p>  <p>(FOR Nos. 57 & 58 AS SHOWN) FOR No. 9 --- \$3.00 EACH FOR Nos. 57 & 58 --- \$3.50 EACH FOR Nos. 65 & 66 --- \$3.75 EACH FOR Nos. 85 & 86 --- \$3.50 EACH</p>	<p>NOZZLES WITH HOLDERS FOR SOLDERING IRONS</p>  <p>(FOR Nos. 57 & 58 AS SHOWN) FOR No. 9 --- \$2.00 EACH FOR Nos. 57, 58, 85 & 86 --- \$1.50 EACH FOR Nos. 65 & 66 --- \$1.75 EACH</p>	<p>SHIELDS</p>  <p>\$0.30 EACH</p>	<p>NEEDLE WITH HANDLE AND STUFFING BOX NUT</p>  <p>(FOR Nos. 57 & 58 AS SHOWN) WITH WIRE HANDLE \$1.50 EACH WITH SOLDER HANDLE \$1.00 EACH</p>	<p>RESERVOIR WITH TOP BRACKET ONLY</p>  <p>FOR Nos. 57 & 85 \$9.50 EACH FOR Nos. 58 & 86 \$7.50 EACH</p>	<p>RESERVOIR WITH HANDLE ONLY</p>  <p>(FOR No. 65 AS SHOWN) FOR Nos. 65, 85 & 87 \$9.50 EACH FOR Nos. 66, 86 & 88 \$7.50 EACH</p>
<p>REMOVABLE HOOK FOR SOLDERING IRONS</p>  <p>\$2.25 EACH</p>	<p>DRIP CUPS</p>  <p>\$0.50 EACH</p>	<p>NIPPLES WITH GAUZE</p>  <p>\$0.70 EACH</p>	<p>BURNER BODIES WITH NOZZLE, NEEDLE, HANDLE, AND STUFFING BOX NUT</p>  <p>(FOR Nos. 65 & 86 AS SHOWN) FOR Nos. 65 & 86 \$4.00 EACH FOR Nos. 67 & 88 \$4.00 EACH</p>	<p>STUFFING BOX NUT</p>  <p>\$0.40 EACH</p>	<p>DIP TUBE WITH WICK</p>  <p>\$0.45 EACH WICK ONLY \$0.10 EACH</p>
<p>PATENTED AND SOLDERING IRON HOLDER</p>  <p>\$0.50 EACH</p>	<p>GAUZE FOR NIPPLES</p>  <p>\$0.20 EACH</p>	<p>DIP TUBE WITH WICK</p>  <p>\$0.45 EACH WICK ONLY \$0.10 EACH</p>	<p>FILLER PLUG</p>  <p>\$0.90 EACH</p>	<p>WASHER FOR FILLER PLUG</p>  <p>\$0.06 EACH</p>	<p>RESERVOIR WITH HANDLE ONLY</p>  <p>FOR Nos. 57 & 85 \$9.50 EACH FOR Nos. 58 & 86 \$7.50 EACH</p>

* List Prices of Repair Parts for Gasoline-Kerosene Torches

<p>BURNERS FOR Nos. 6, 79 & 80</p>  <p>FOR Nos. 6 & 79 \$10.00 EACH FOR No. 80 \$9.50 EACH</p>	<p>BURNER FOR No. 31</p>  <p>\$10.50 EACH</p>	<p>BURNER FOR No. 82</p>  <p>\$11.00 EACH</p>	<p>BURNER BODIES WITH BURNER BLOCK</p>  <p>FOR Nos. 79 & 80 \$3.25 EACH FOR No. 31 --- \$3.50 EACH FOR No. 82 --- \$3.75 EACH</p>
<p>NEEDLE WITH HANDLE AND DOUBLE STUFFING BOX NUT</p>  <p>\$1.80 EACH</p>	<p>SHIELDS</p>  <p>\$0.30 EACH</p>	<p>DRIP CUPS</p>  <p>(FOR Nos. 6 & 79 AS SHOWN) FOR Nos. 6, 79 & 80 \$0.50 EACH FOR No. 82 --- \$0.60 EACH</p>	<p>HANDLE WITH CLEANER HOLDER FOR No. 82</p>  <p>\$3.50 EACH</p>
<p>DOUBLE STUFFING BOX NUT</p>  <p>\$0.70 EACH</p>	<p>NOZZLES WITH HOOK FOR SOLDERING IRONS</p>  <p>(FOR Nos. 6 & 79 AS SHOWN) FOR Nos. 6, 79 & 80 \$3.25 EACH FOR No. 31 --- \$3.50 EACH FOR No. 82 --- \$3.75 EACH</p>	<p>NIPPLES WITH GAUZE</p>  <p>FOR Nos. 6, 79 & 80 \$0.70 EACH FOR No. 82 \$1.20 EACH</p>	<p>RESERVOIR WITH TOP BRACKET ONLY FOR No. 6</p>  <p>\$10.50 EACH</p>
<p>REMOVABLE HOOK FOR SOLDERING IRONS</p>  <p>\$0.25 EACH</p>	<p>ASBESTOS FOR DRIP CUPS (FOR KEROSENE ONLY)</p>  <p>\$0.10 EACH</p>	<p>GAUZE FOR NIPPLES</p>  <p>\$0.20 EACH</p>	<p>RESERVOIR WITH HANDLE ONLY</p>  <p>FOR Nos. 31 & 79 \$9.50 EACH FOR No. 80 --- \$7.50 EACH</p>
<p>PATENTED FOLDING POCKET WITH THREE CLEANING NEEDLES</p>  <p>\$0.15 EACH CLEANING NEEDLE ONLY \$0.30 EACH</p>	<p>DRIP CUPS</p>  <p>\$0.45 EACH WICKS ONLY \$0.10 EACH</p>	<p>DIP TUBES WITH WICK</p>  <p>\$0.10 EACH</p>	<p>RESERVOIR WITH HANDLE ONLY</p>  <p>FOR Nos. 31 & 79 \$9.50 EACH FOR No. 80 --- \$7.50 EACH</p>
<p>BOTTOM BRACKET WITH CHECK VALVE FOR No. 6</p>  <p>\$1.90 EACH</p>	<p>RESERVOIR WITH HANDLE ONLY</p>  <p>FOR Nos. 31 & 79 \$9.50 EACH FOR No. 80 --- \$7.50 EACH</p>	<p>RESERVOIR WITH HANDLE ONLY</p>  <p>FOR Nos. 31 & 79 \$9.50 EACH FOR No. 80 --- \$7.50 EACH</p>	<p>RESERVOIR WITH HANDLE ONLY</p>  <p>FOR Nos. 31 & 79 \$9.50 EACH FOR No. 80 --- \$7.50 EACH</p>

* List Prices of Pumps and Repair Parts for Pumps

<p>1" PUMP COMPLETE FOR NOS. 30, 31, 32 & 70 FURNACES, AND No. 82 TORCH (STYLE A)</p>  <p>\$ 8.50 EACH</p>	<p>3/8" PUMPS COMPLETE FOR Nos. 40, 41, 42, 44 AND 90 FURNACES (STYLE B.)</p>  <p>\$ 3.70 EACH</p>
<p>3/8" PUMPS COMPLETE FOR TORCHES WITH PUMP IN HANDLE AND MOTOR SPRAY CLEANERS (STYLE C.)</p>  <p>\$ 3.70 EACH</p>	<p>3/8" PUMPS COMPLETE FOR TORCHES WITH PUMP IN TANK (STYLE D)</p>  <p>\$ 3.70 EACH</p>
<p>PLUNGERS COMPLETE</p>  <p>(FOR STYLES B, C & D PUMPS AS SHOWN) FOR STYLES B, C & D PUMPS \$1.70 EACH FOR STYLE A PUMP \$4.00 EACH</p>	<p>CYLINDERS</p>  <p>(FOR STYLE C PUMP AS SHOWN) FOR STYLES B, C & D PUMPS \$1.50 EACH FOR STYLE A PUMP \$2.70 EACH</p>

* Note: Write for discounts from list prices. When ordering repairs give Model Number of torch found on pump handle. C. P. 25M-5-34