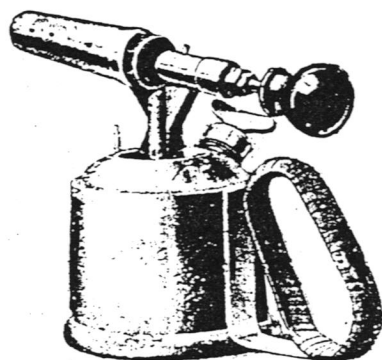




Lampes à Braser "CORONA"

- 1933 -

LES Lampes "CORONA" sont d'une fabrication très soignée et solide. Le réservoir est en laiton non poreux et d'un très beau poli. Le brûleur est en métal spécial traité et de grande durée. Le système de vaporisation réduit la carbonisation au minimum, ce qui prolonge la durée du brûleur et du gicleur, augmente l'intensité calorique de la flamme et réduit grandement la consommation. Toutes les brasures sont exécutées avec soin et chaque lampe est essayée sous une pression beaucoup plus élevée que celle sous laquelle elle travaille ordinairement.



"CORONA" n° 105

Fonctionnant à l'alcool

Munie de nettoyeur automatique du bec

Contenance 40 centilitres environ

"CORONA" n°s 107 et 108

Fonctionnant au pétrole

Munie de pompe

CONTENANCE :

N° 107, environ 55 centilitres

N° 108, environ 110 centilitres



"CORONA" n°s 112 et 115

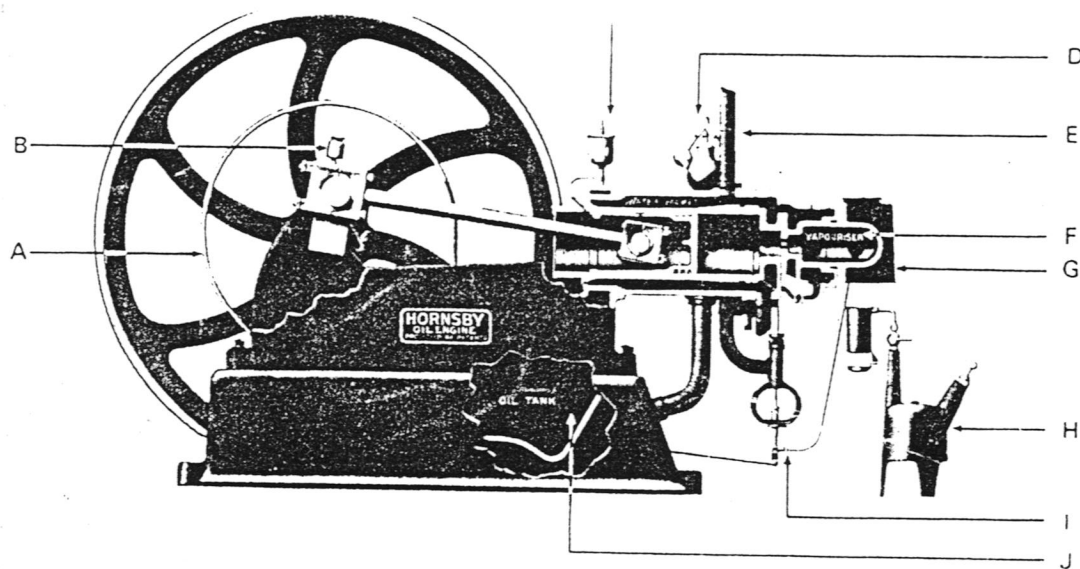
Munie de pompe et de Manomètre de pression

CONTENANCE :

N° 112, environ 160 centilitres.

N° 115, environ 320 centilitres.

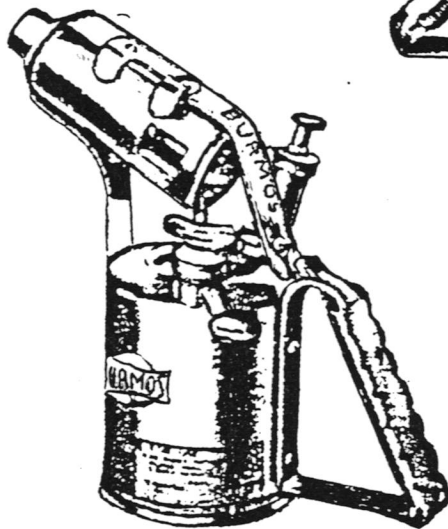
Hornsby oil engine: section through cylinder. The hot-bulb can be seen at the end of the cylinder and is marked 'vaporiser'. The starting blowlamp is positioned under it. Key: A, crank and splash guard, a necessary feature on any open crankshaft engine; B, cotton-waste lubricator (the cotton acts as a siphon and feeds the bearing by capillary attraction); C, sight feed lubricator for oiling the piston and small end bearing; D, centrifugal governor; E, cooling water outlet pipe; F, vaporiser; G, vaporiser heat shield; H, starting lamp; I, fuel pump; J, fuel tank situated in engine base.



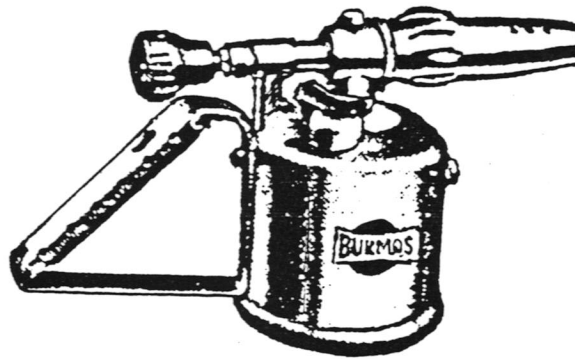
During the 1890s two significant steps were taken in the evolution of the oil engine. The engines mentioned so far were all designed for the induction and compression of a premixed charge of gas or oil with air, and the extent to which an explosive mixture can be compressed is limited, so the next step in oil-engine design is an important one. In 1890 Herbert Akroyd Stuart introduced two important features, the first of which was the idea of vaporising and igniting the fuel by bringing it in contact with the hot wall of the combustion chamber at a

prearranged time, timing the actual point of ignition by injecting the fuel at exactly the right moment. The second notable feature of the Akroyd engine was that only pure air was drawn into the cylinder and compressed, no ignition being possible until the fuel was injected into a bulb-shaped projection situated at the end of the cylinder. For starting the engine a blowlamp was used to heat the bulb (termed 'hot-bulb'), but once the engine was running, the blowlamp could be dispensed with as ignition was maintained by compression, aided by heat retained in the hot-bulb after each explosion. Akroyd Stuart's engine was manufactured by R. Hornsby and Sons Ltd and was known as the Hornsby-Akroyd. It was the first hot-bulb engine. The principle of injecting the fuel into a hot-bulb vaporiser was soon adopted in other countries, such as Germany, Sweden, Norway, Denmark and Russia.

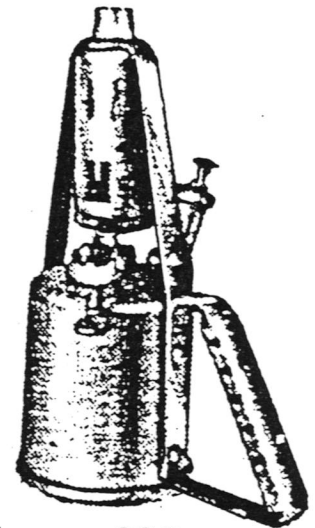
Brass bodies. Metal handles



No. 202



No. 203



No. 223

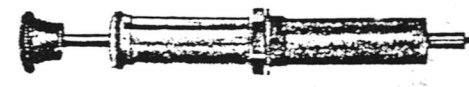
No.	202.	For Paraffin.	With Inclined burner.	Capacity, $\frac{3}{4}$ pint	...	...	26/6 ea.
"	"	"	"	" 1 pint	...	...	35/9 "
"	"	"	"	" 2 pints	...	...	38/- "
"	223.	"	With Upright burner	" 1 pint	...	...	36/9 "
"	203.	For Petrol.	With Horizontal burner	" $\frac{2}{3}$ pint	...	...	36/9 "

Spare Parts

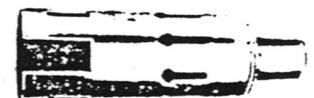
For No. 204 or "Burmos" Blowlamps



Vaporizer



Pump

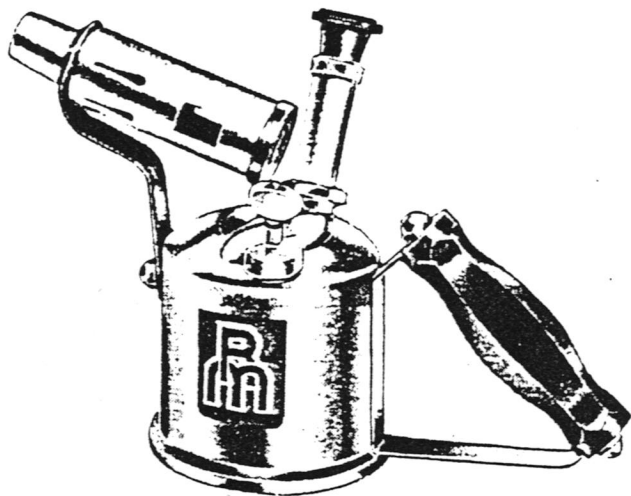


Flame Tube

For Paraffin Blowlamps	$\frac{1}{2}$	$\frac{3}{4}$	1 and 2 pint	For Petrol Blowlamp. No. 203
Vaporizers ...	72/-	90/-	102/- doz.	Flame Tubes ... 54/- doz.
Flame Tubes ...	34/-	34/-	40/- "	Nipples ... 3/- "
Pumps, complete ...	70/-	50/-	60/- "	Needle Bushes ... 3/- "
Pump Knobs ...	6/-	5/-	5/- "	Wicks ... 5/- "
" Caps ...	5/6	4/-	4/- "	Control Spindles 57/- "
" Valves ...	13/-	9/-	9/- "	Filler Cap Washers 1/6 "
" Washers ...	1/9	3/-	3/- "	" Caps ... 15/- "
Filler Cap Washers	2/-	1/-	1/6 "	
" Caps ...	15/-	11/-	15/- "	
Air Release Screws...	3/9	2/-	3/6 "	
Nipples ...	3/-	3/-	3/- "	
Nipple Keys ...	15/-	12/-	12/- "	
Needles ...	1/3	1/-	1/- "	

-1950 -

R. & M. PARAFFIN BLOWLAMPS



No. 56. Half-pint size.

Polished brass. Height, 6". Weight, 1 lb. 10 oz.



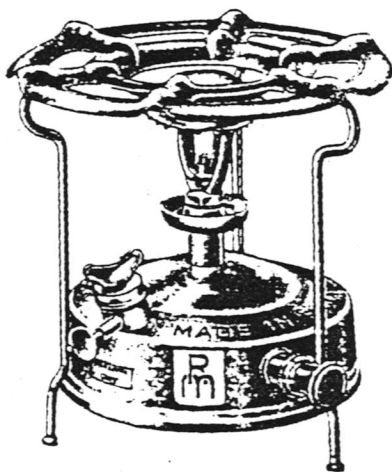
No. 66. One-pint size.

Polished brass. Height, 8". Weight, 2 lb. 8 oz.

Efficient and reliable Blowlamps, fitted with unique design of detachable bakelite handle. Manufactured from highest class materials and workmanship. All necessary parts tested for pressure, i.e., burner, body, etc., and Blowlamps thoroughly tested before despatch.

R. & M. PARAFFIN WICKLESS STOVES

POLISHED BRASS FINISH



No. 35. Rigid Type. 2 1/4-pints capacity.

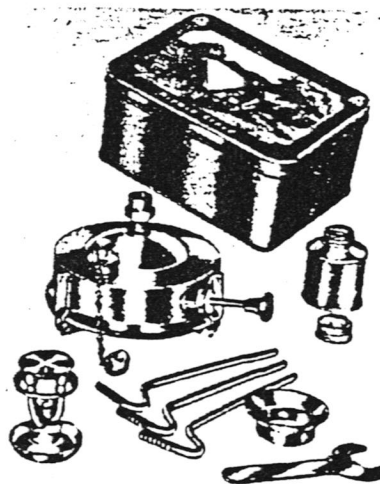
Particularly adaptable for heavy domestic use.

Silent burner for use indoors, burning almost as quietly as gas.

No. 31. Rigid Type. 2 1/4-pints capacity.

Roarer burner for outdoor use, being less vulnerable to draughts.

Each component interchangeable with Swedish and English patterns.



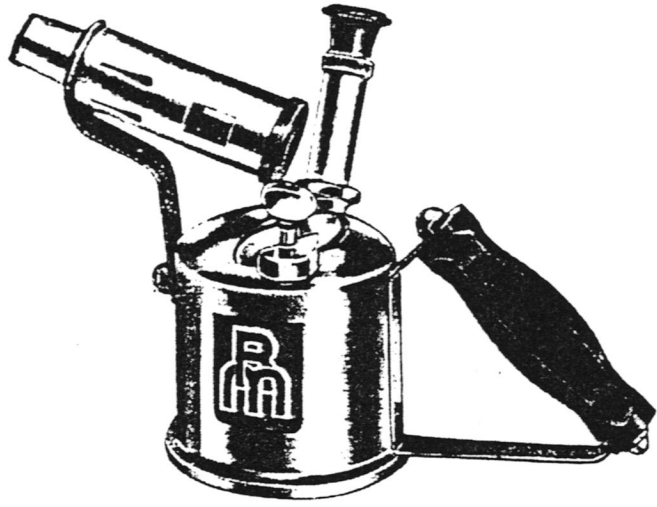
No. 331A. "Picnic" Collapsible Type. 3/4-pints capacity.

Constructed in robust style to withstand the heavy usage to which Picnic Stoves are often subjected. Easily assembled, without fear of leaking joints. After use can be firmly sealed to prevent spread of paraffin, and packed, together with accessories, in a very attractive metal box.

"Junior" Picnic. 1/2 pint capacity.

PARAFFIN BLOW LAMPS - 1952 -

THREE SIZES



9340

1/2 Pint Size.
Height 6" Weight 1 lb. 10 ozs.



9341

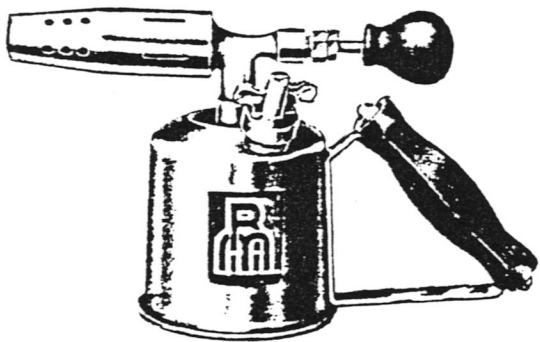
1 Pint Size.
Height 8" Weight 2 1/2 lbs.

9342

2 Pint Size.
Height 8 1/2" Weight 3 lbs.

The most efficient and reliable of all Blow Lamps, fitted with unique design of detachable Bakelite Handle. Manufactured from highest class materials and workmanship. All necessary parts tested for Pressure, i.e. Burner. Body, etc., and Blow Lamps thoroughly tested before despatch.

PETROL (GASOLINE) BURNING BLOW LAMPS SELF-CLEANING JET



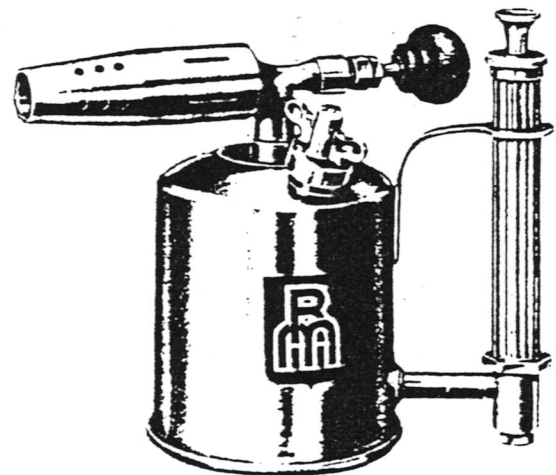
PUMPLESS

9345

1/2 Pint Size
Height 5 1/2" Weight 1 lb. 10 ozs.

9346

1 Pint Size.
Height 6 1/2" Weight 2 lbs.



PUMP IN HANDLE

9347

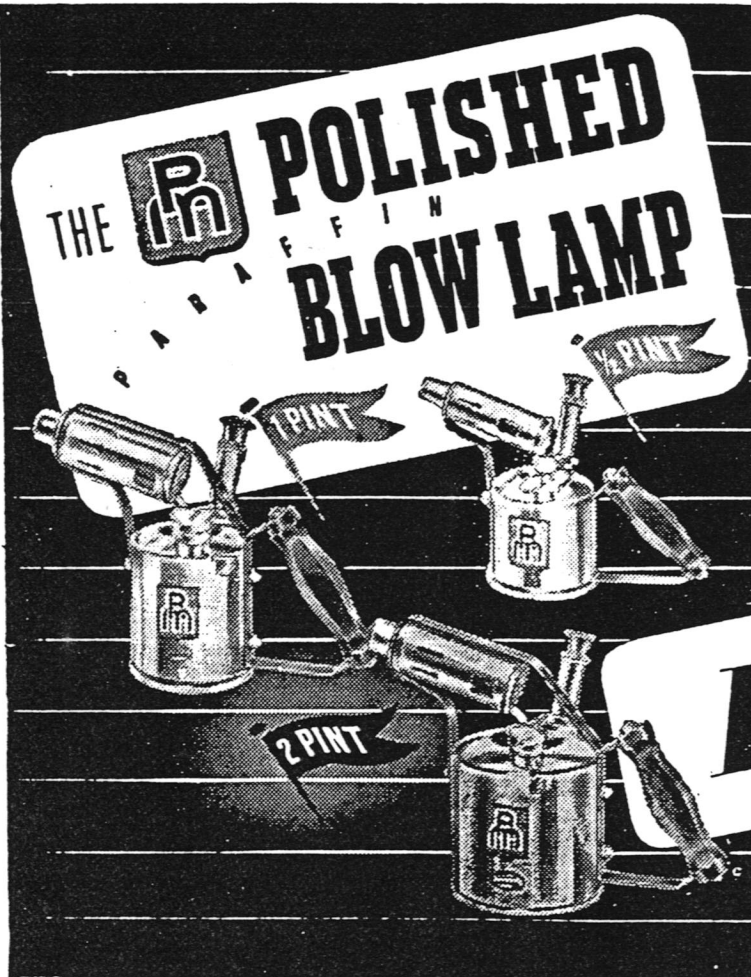
1 Pint Size.
Height 6 1/2" Weight 2 1/2 lbs.

9348

2 Pint Size.
Height 6 1/2" Weight 2 1/2 lbs.

All articles are fabricated from Finely Polished, Heavy Gauge Brass, with burners and flame tubes of specially prepared material. Precision-built in every detail, each article is individually tested under working conditions at a pressure not attained in ordinary use before leaving the factory.

FOR SPARE PARTS SEE PAGE 371.



'WE LEAD, OTHERS FOLLOW'

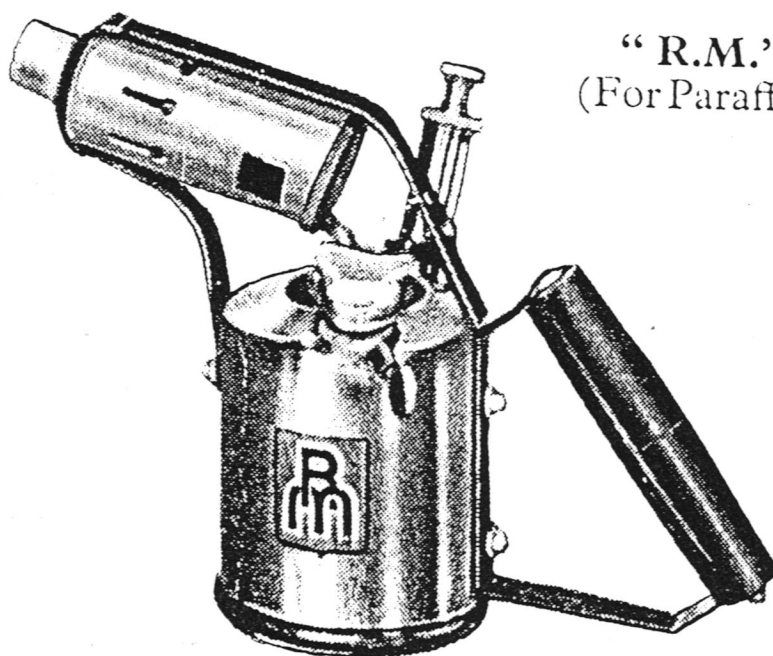
The most efficient and reliable of all Blow Lamps, fitted with unique design of detachable Bakelite handle.

Manufactured from highest class materials and workmanship. All necessary parts tested for pressure, i.e. Burner, Body, etc., and Blow Lamps thoroughly tested before despatch.

R M

R. & M. MANUFACTURING Co. Ltd.
(Incorporating Flamus Oil Accessories Co.)

STANHOPE ST., BIRMINGHAM 12
Tel.: Victoria 2303 • Grams: Romaneng Birmingham



"R.M."
(For Paraffin)

- 1960 -

$\frac{1}{2}$ pint 45/-
1 pint 54/- each

FITTINGS FOR R. & M. BLOWLAMPS & STOVES

VALVE PUMP KEYS



3/T8774-3/T8775

PRICKERS



3/T8784-3/T8785

Packets of Three.

NIPPLE KEYS



3/T8776-3/T8777

NIPPLES



3/T8778-3/T8779

TANK LIDS



3/T8786-3/T8787

RELEASE SCREWS



3/T8788-3/T8789

PUMP LEATHERS



3/T8780-3/T8781

TANK LID WASHERS



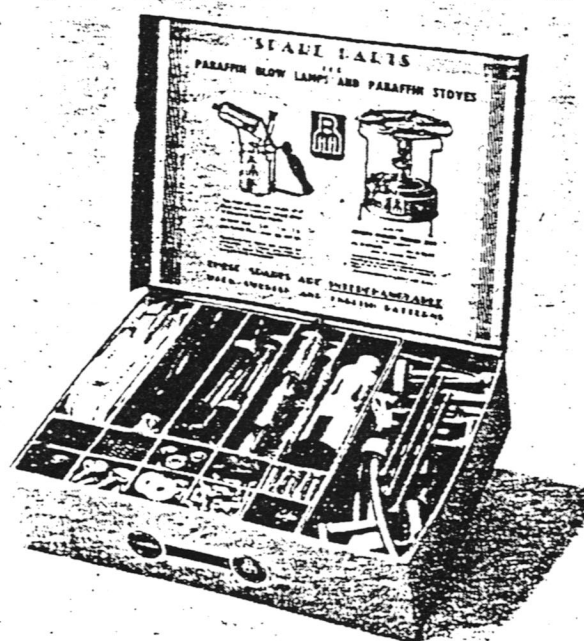
3/T8782-3/T8783

SPARE PARTS

For Lamp No.	3/T8764/56	3/T8765/66
Valve Pump Key ...	3/T8774	3/T8775
Nipple Key ...	3/T8776	3/T8777
Nipples ...	3/T8778	3/T8779
Pump Leathers ..	3/T8780	3/T8781
Tank Lid Washers ...	3/T8782	3/T8783
Prickers ...	3/T8784	3/T8785
Tank Lids ...	3/T8786	3/T8787
Release Screws ...	3/T8788	3/T8789

SPARE PARTS

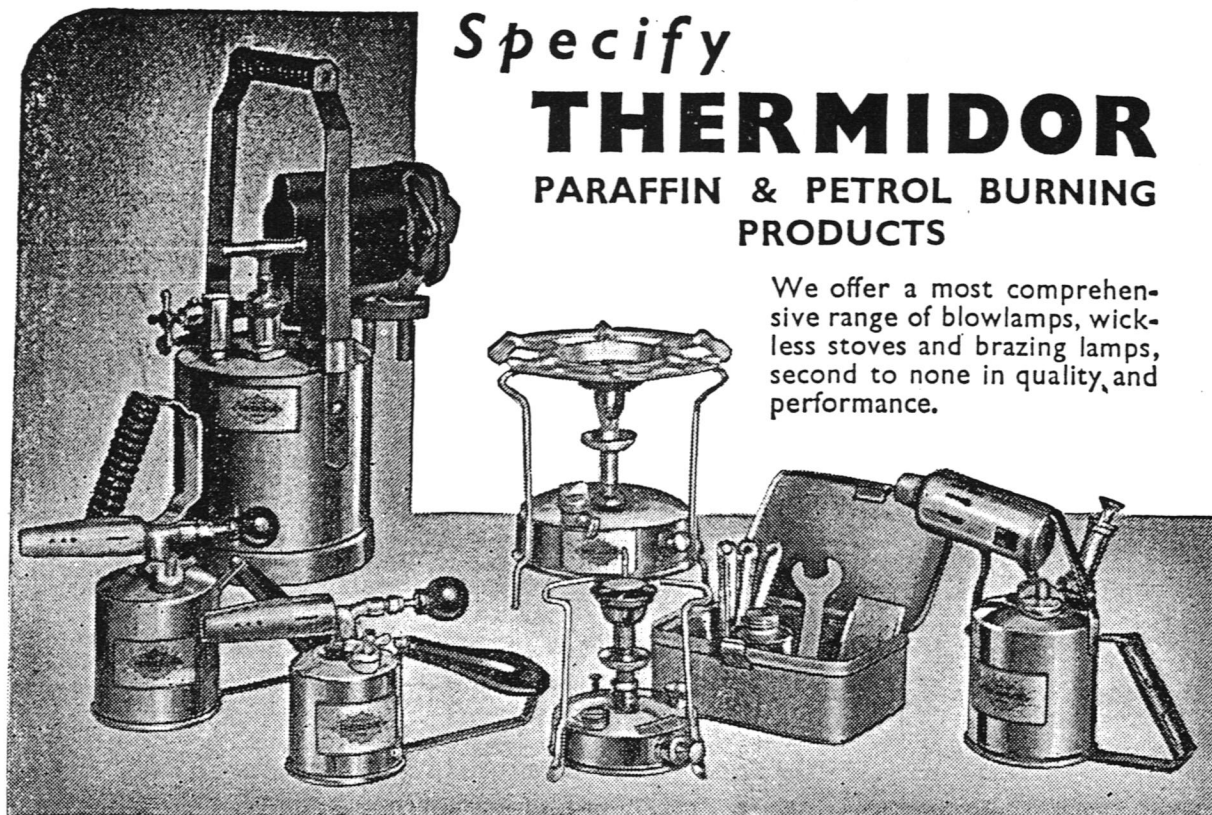
REMEMBER
THAT OUR
PRICES
INCLUDE
SERVICE
SECOND
TO
NONE



WHEN IN
DOUBT
OUR
REPRESENTATIVES
WILL BE
PLEASED
TO ADVISE

3/T8790

Assorted Spare Parts in box. For $\frac{1}{2}$ pint and 1 pint Blowlamps.



Specify **THERMIDOR** PARAFFIN & PETROL BURNING PRODUCTS

We offer a most comprehensive range of blowlamps, wickless stoves and brazing lamps, second to none in quality and performance.

SAMUEL HEATH & SONS LTD · LEOPOLD STREET · BIRMINGHAM

THERMIDOR

PARAFFIN BLOW LAMPS

Fabricated from finely polished, heavy gauge brass, with burners and flame tubes of specially prepared material.

T/B214a/3300	(W)	$\frac{1}{2}$ pint (106)	...	each	£2 4 0
T/B214b/3810	(W)	$\frac{3}{4}$ pint (109)	...	"	£2 11 9
T/B214c/4304	(W)	1 pint (107)	...	"	£2 17 9

REPLACEMENT PARTS T/B214x

(State size of Lamp when ordering)

For $\frac{1}{2}$ and $\frac{3}{4}$ Pint Lamps

Ref. 62/14001	(W)	Vapouriser	...	doz.	£9 6 9
" 63/3808	(W)	Flame Tube	...	"	£2 11 6
" 64/208	(W)	Nipple	...	"	3 7
" 39/1006	(W)	Nipple Key	...	"	14 0
" 41/708	(W)	Air Release Screw	...	"	10 3
" 54/2711	(W)	Filler Cap	...	"	£1 17 3
" 58s/9102	(W)	Pump complete	...	"	£6 1 6
" 57/208	(W)	Pump Cup Leather	...	"	3 7
" 168/510	(W)	Cleaning Needles	...	doz. pkt.	7 9

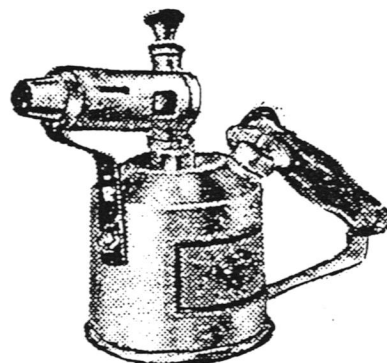
For 1 Pint Lamp

Ref. 27/21108	(W)	Vapouriser	...	doz.	£14 2 3
" 28/6111	(W)	Flame Tube	...	"	£4 2 6
" 37/509	(W)	Nipple	...	"	7 8
" 38/1902	(W)	Nipple Key	...	"	£1 5 7
" 41/708	(W)	Air Release Screw	...	"	10 3
" 40/5700	(W)	Filler Cap	...	"	£3 16 0
" 36s/10202	(W)	Pump Complete	...	"	£6 16 2
" 44/208	(W)	Pump Cup Leather	...	"	3 7
" 53/510	(W)	Cleaning Needles	...	doz. pkt.	7 9

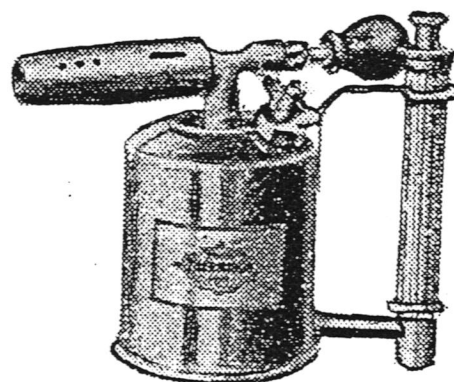
PETROL BLOW LAMPS

All body components including the bottom are hard soldered. Self cleaning jets and safety valves incorporated in both models. Finely polished, made from heavy gauge brass.

T/B239m/3704	(W)	$\frac{1}{2}$ pint (130)	...	each	£2 9 9
T/B239n/5206	(W)	1 Pint (132)	...	"	£3 9 9



Thermidor
(Paraffin)



Thermidor
(Petrol)

Brazing, Welding and Soldering Equipment

- 1932 -

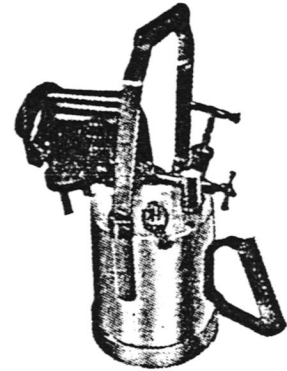
Brazing Lamp**No. T 206**

For Paraffin

Heavy Gauge Brass Body, fitted with Pressure Gauge, Self-contained Pump and adjustable Handle.

Horizontal Nozzle. Capacity, 5 pints

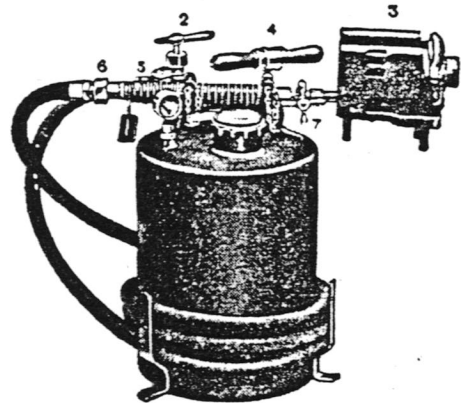
Price £5 18 0

**Portable Brazing Outfit****No. T 4754**

For Paraffin

Heavy Steel Welded Container with Pressure Gauge, Supply Valve (2), Pump (4), Oil Filler and Air Release (1), Union (5), Powerful Burner (3), 12 ft. of Oil-resisting Hose and Connector (6) and Flame Control Valve (7).

With 2	gallon Container	...	£19	0	0
" 3	" "	...	£21	17	0
" 5	" "	...	£24	5	0

**"Laffitte" Light Welding Plates** (Made in France)

For welding Iron to Iron, Steel to Steel, or Steel to Iron in open hearth ... 12/3 per packet of 10

"Laffitte" Brazing Compound (Made in France)

For Iron or Steel to Iron or Steel

A complete flux which does not require the addition of borax. 2½ lb. Tins... .. 17/3 ea.

"Boron" Brazing Compound

A vast improvement on Borax. Runs freely. Leaves clean and perfect joint. Protects work from weakening effect of flame.

1 lb. Tins 3/- ea.

**Brazing Spelter**

- No. 1.** Fine, suitable for brazing Sheet Brass, Tube, etc.
" 2. Medium, suitable for Cycle Brazing, etc.
" 3. Coarse, suitable for heavier work.

Prices of Nos. 1, 2 or 3—Small lots, 2/- lb.; 7 lb. lots, 1/9 lb.; 28 lb. lots, 1/7 lb.

Brazing Wire

Section $\frac{3}{16} \times \frac{1}{8}$ in. ... Small lots, 2/2 lb.; 7 lb. lots, 1/11 lb.; 28 lb. lots, 1/9 lb.

"Fermo" Aluminium Solder

Easy to use, absolutely permanent, does not require an iron, overcomes the failures caused through oxidization. Instructions for use forwarded on request.

In Sticks	...	...	...	...	6d. and 1/- ea.
In 2 oz. and 8 oz. Bars	...	...	...	...	18/- lb.

4. Do not tamper with the Vapouriser mechanism or jet; if you think the Vapouriser is faulty, a complete new Vapouriser should be fitted.

5. AIR LINE BLOCKAGE. In the course of time, the Air Line may become choked with dust, sucked in by the vacuum cleaner effect; in view of this, inspect the tube occasionally and clean it, removing any dust or pieces of Kapok which may be lodged there.

SPARE PARTS

PUMP

- 2557 Pump Complete.
120 Leather.
121 Hexagon Nut.
269 Pump Clamp.
270 Cup Washer.
(for 154).
154 Clamp Washer.
- 612 Valve Guide.
611 Valve with Washer and Spring.
155 Valve Washer.
610 Valve Spring.
.92 Plunger Guide only.

ACCESSORIES

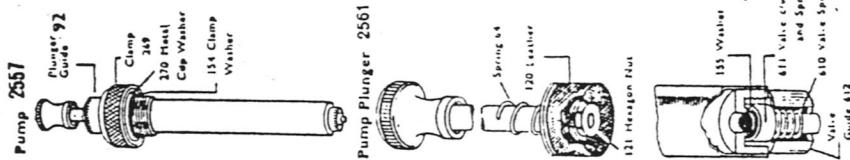
- 2577 Methylated Filler complete.
1435 Cork only for above.
1460 Spanner.

VAPOURISER

- 2575 Vapouriser complete with Control Knob and Fuel Feed Pipe.
1494 Vapouriser Bolt and Filter.
1491 Washer for above (2 per Vapouriser).
1160 Vapouriser Lock Nut (2 per Vapouriser).

BURNER

- 1156 Burner Body.
1153 Burner Grid.
1155 Copper Burner Element.
- 1154 Burner Cap.
1157 Air Line Socket.
1158 Air Line Tube.



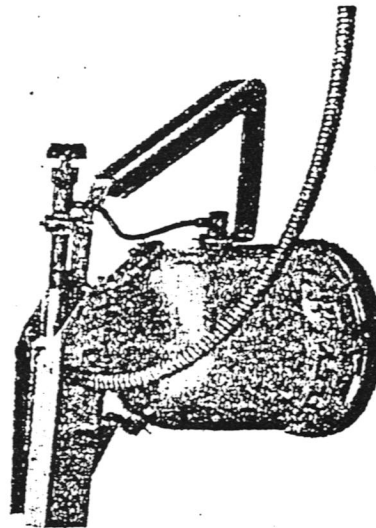
Refrigerant Leak Detector and Blow Torch

MODEL LD2
MARK 2

USE ONLY METHYLATED SPIRIT or METHANOL

WARNING

Methyl chloride is inflammable, and the lighted lamp should not, therefore, be taken into any confined space until it is known that methyl chloride vapour has not accumulated there. If, for example, a refrigerating plant is located in the forepeak of a ship, and a leak is suspected, a sample of the general atmosphere in the forepeak should be tested before the forepeak is entered. The sample may be taken in a bellows, or even a car or cycle pump that is in good order, and fed to the sampling tube of the lamp, the lamp, of course, being left right outside the suspected compartment during this preliminary trial. If this test shows any colouration of flame, the compartment should be ventilated until a similar test shows no colouration; only then may the lamp be taken inside.



This super-sensitive lamp will indicate with extreme accuracy the exact location of an escape of Methyl Chloride, any of the Freon group of refrigerants, Methylene Chloride, etc. It is not suitable for detecting SO₂, NH₃, CO₂, etc.

DO NOT USE PARAFFIN OR PETROL

Manufactured by

THE TILLEY LAMP COMPANY LTD.

DUNMURRY, BELFAST, NORTHERN IRELAND.

UNDER LICENCE FROM PRESSED STEEL CO. LTD. (PRESTCOLD REFRIGERATION)

Covered by British Patent No. 577703 and World Patents