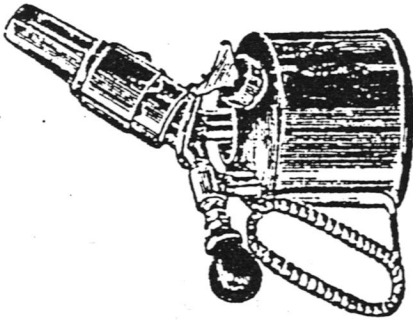


British made, inspired by Bertin's system (early 1800).

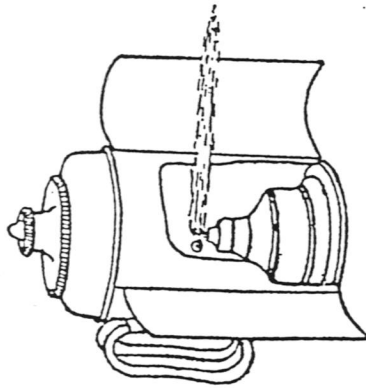
Fabrication Anglaise, inspiree du procede de Bertin (debut 1800)

BLOWLAMP



Type 'S' of 1882 (prototype for all blowlamps)

British plumbers were slow to take to the blowlamp and many stuck to the old methods of wiping solder joints well into the twentieth century.



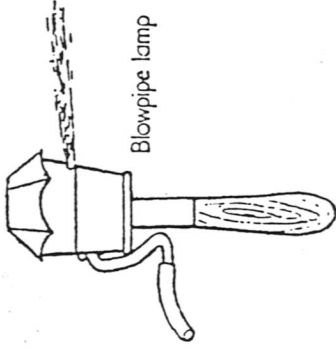
Self acting blowing lamp

Self acting Blowing-lamp

In 1882 Hellyer reckoned that men employed by his firm had been using this lamp for many years (he does not say how many). It was a French invention.

BLOWLAMP

A boiler in the top section was half filled with methylated spirits and a small tube from the boiler led to a jet half way down the case of the lamp. A small spirit lamp was placed in the case, the burning wick immediately under the boiler. The gas generated in the boiler was forced by its own pressure out of the jet and, passing through the flame of the spirit lamp, provided a fairly long flame. If the safety valve on top of the boiler was not kept in good working condition there was some danger of an explosion. According to Hellyer, very nice wiped joints could be made with this lamp.



Blowpipe lamp

Blowpipe Lamp

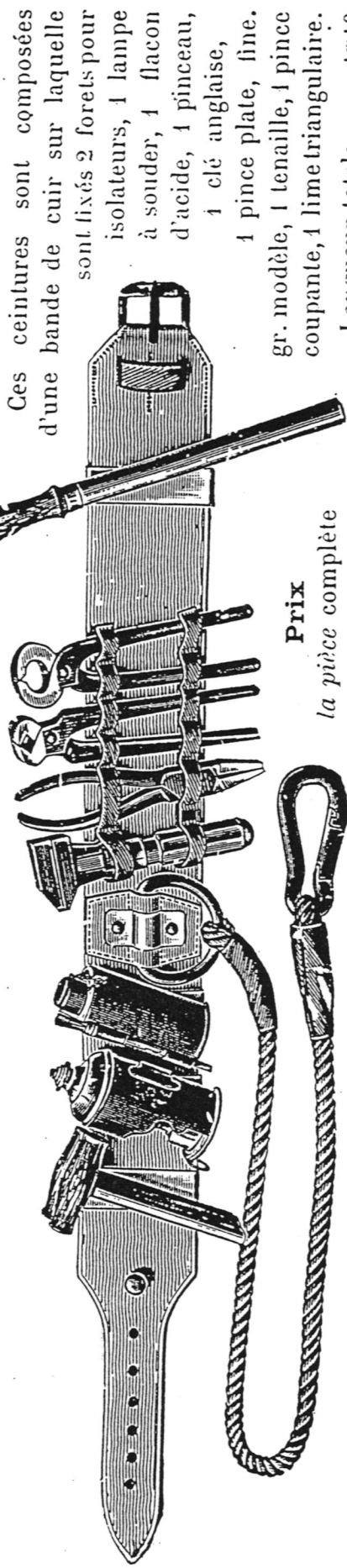
The self-acting blowing lamp, perhaps because of its quality of danger, was not widely used, most plumbers with an ambition in that direction preferring to do what they could with the blowpipe lamp. This type of lamp was simply a tubular container with a thick wick for burning methylated spirits. Attached to the body was a brass tube to which was fixed a rubber tube; the narrow end of the brass tube could swivel and be directed at the burning wick whilst the operator blew air by means of the rubber tube. A fine long flame was the result. The earlier type of blowpipe lamp did not have a wick, merely a cup to contain burning spirits. Hellyer writes of a larger size of blowpipe lamp with which a solder joint could be wiped with the solderer or mate doing the blowing if a pair of bellows was not available.

A safety belt for electricians and telegraphists.

CEINTURES DE SURETÉ GARNIES

pour électriciens,

télégraphistes, etc,



Prix

la pièce complète

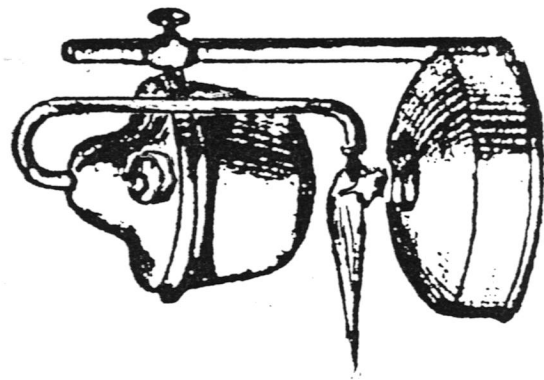
87 50

Ces ceintures sont composées d'une bande de cuir sur laquelle sont fixés 2 forets pour isolateurs, 1 lampe à souder, 1 flacon d'acide, 1 pinceau, 1 clé anglaise, 1 pince plate, fine. gr. modèle, 1 tenaille, 1 pince coupante, 1 lime triangulaire. Longueur totale. . . 1 m 10

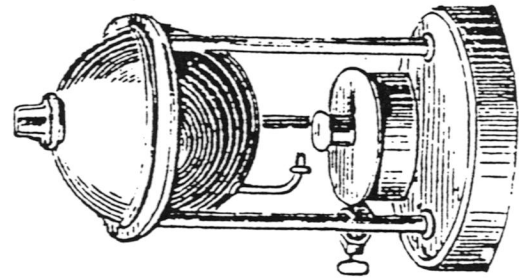
La lampe a souder de Bertin fut utilisée pendant plus d'un siècle avec succès, et connu son déclin avec l'apparition des nouvelles lampes, telles que nous les connaissons dans leurs formes actuelles, inventées par le suédois CARL RICHARD NYBERG en 1882.

Néanmoins, les habitudes perdurant ainsi que leurs prix bon marché, elles furent fabriquées et utilisées jusqu'au début des années 1930.

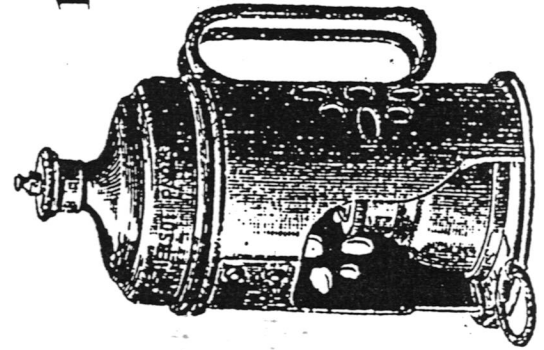
The BERTIN blowlamp was used with much success until its demise at the end of the 19th century, with the appearance of new lamps invented and designed by the Swede, CARL RICHARD NYBERG in 1882, although they were still made and used by their regular customers until the early 1930s.



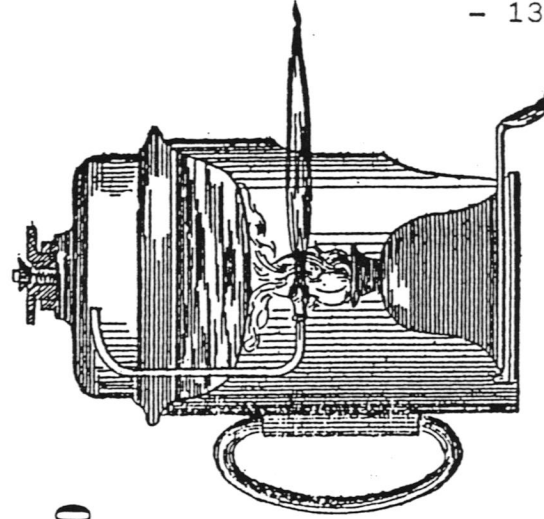
1850



1870

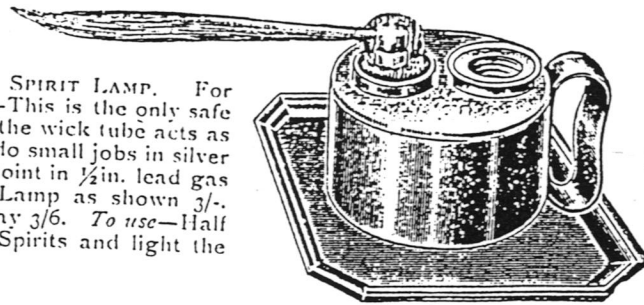


1882

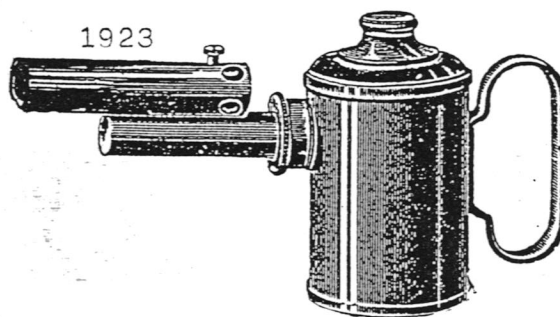


"COMPETITION GUIDE" FOR THE IRONMONGERY & HARDWARE TRADES.
SOLDERING.

"SELF-ACTING" SPIRIT LAMP. For Methylated Spirits.--This is the only safe lamp of its kind, as the wick tube acts as a safety valve. Will do small jobs in silver soldering or make a joint in 1/2 in. lead gas pipe. *Price*—Brass Lamp as shown 3/-. Nickel-plated with tray 3/6. *To use*—Half fill with Methylated Spirits and light the wick.



1903



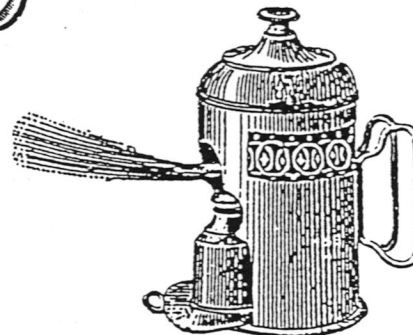
1923

1905

1903



Trojan No. 1 Automatic Blow Lamp for Methylated Spirit



A. BREUZIN BLOW LAMPS, OR PAINTERS' SCORCHERS.

Complete with Measure.

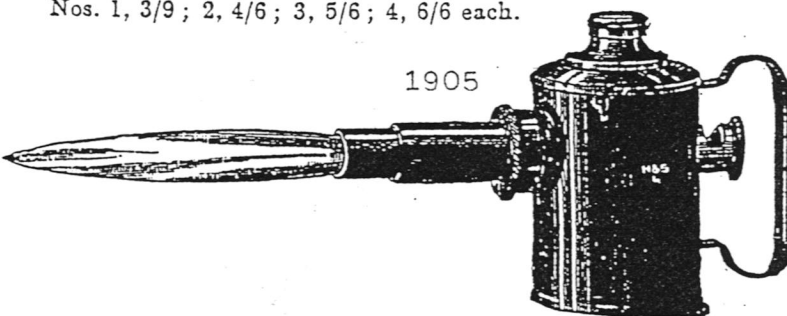
Nos. 1, 2, 3, 4, 5, 6.
 50/-, 62/-, 72/6, 83/-, 103/-, 123/- per doz.

PAINT SCORCHER.
 With Wings.

Black Japanned Body, the Lamp and Reservoir are made of Copper.

Nos. 1, 3/9; 2, 4/6; 3, 5/6; 4, 6/6 each.

1905

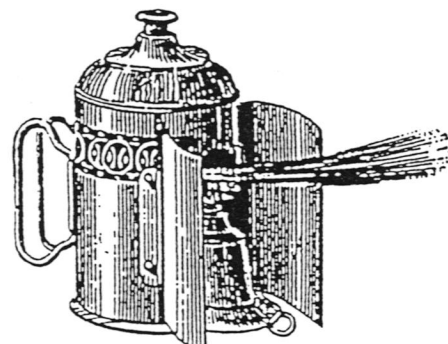


BLOW LAMPS FOR PLUMBERS, &c.

The "Roarer." Brass.

With Regulating Burner. Burns Methylated Spirit.

Each 16/6



A. BREUZIN BLOW LAMPS, OR PAINTERS' SCORCHERS.

Complete with Wings and Measure.

Nos. 3, 4, 5, 6.
 91/-, 103/-, 123/-, 143/- per dozen.

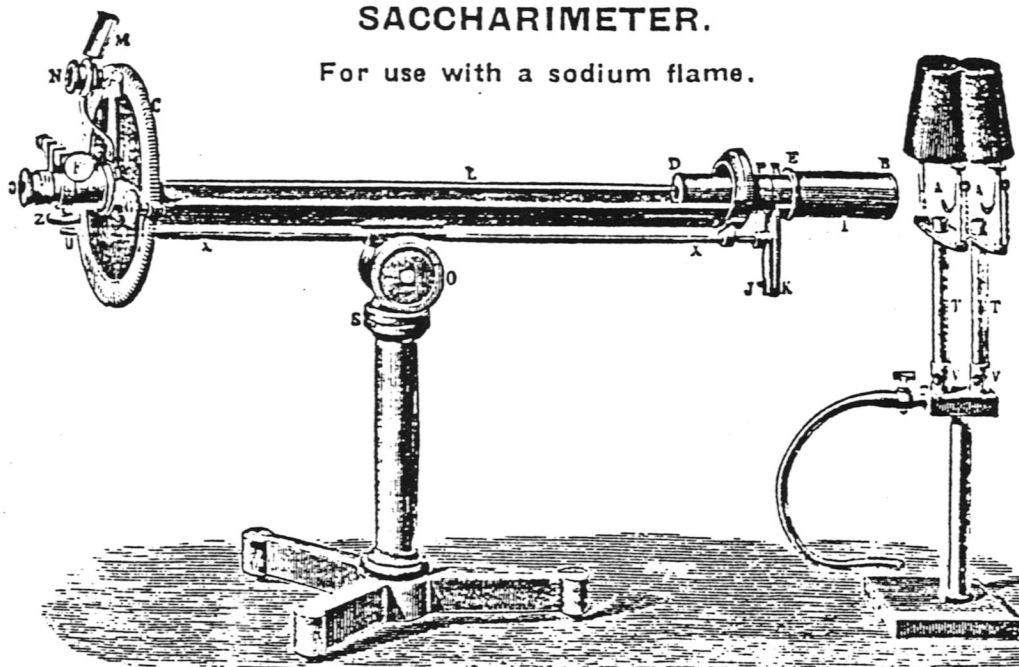
Extra Copper Bodies for above, 15/- per dozen.

" Nipples 7/-
 " Corks with Safety Valve, 15/- "

JOHN J. GRIFFIN & SONS, LTD.

**LAURENT'S SHADOW POLARIMETER AND
SACCHARIMETER.**

For use with a sodium flame.



2-8100

£ s. d.

2-8100. **Large Model** for tubes 10, 20, 30, 40, 50 cm. long. The divided circle carries two concentric scales, the inner one of which reads directly in sugar percentages, the vernier reading to $\frac{1}{10}$ ths, while the outer one is divided all round into $\frac{1}{2}^\circ$, the vernier reading to two minutes. Price with 4 tubes 20, 30, 40, 50 cm. long and double-jet gas-burner ..

50 0 0

2-8102. **Small Model** for tubes 20 cm. long. The divided circle is graduated in the same way as in the large model, except that the outer division is only carried as far as 90° on the right and 45° on the left. Price with 2 tubes 20 cm. long and double-jet gas-burner .. £38 0 0

In the above instruments, Nos. 2-8100 and 2-8102, using a tube 20 cm. long, the division 100 on the sugar scale corresponds to the rotation of yellow light by a solution containing 16.2 grms. of pure sugar in 100 grms. of distilled water.

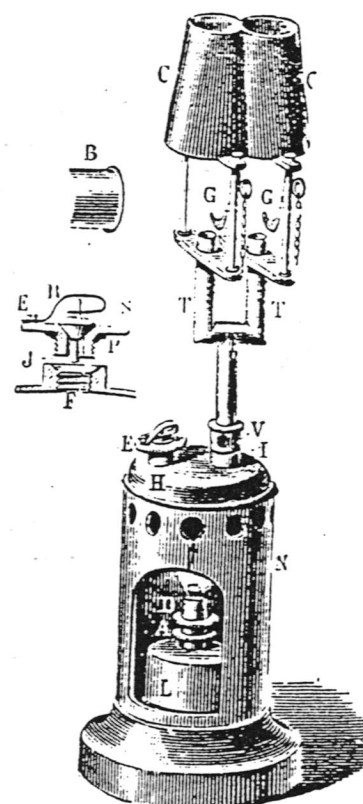
£ s. d.

2-8104. **Quartz plate** 1 mm. thick for checking sugar scale, mounted in brass tube ..

5 5 0

2-8105. **Laurent's Eolipyle**, for burning spirit instead of gas. It burns with an intensely yellow flame, and is a splendid substitute for a gas lamp, especially when the pressure is less than one inch of water..

4 10 0



should be fairly tight, just capable of sliding along and keeping any position given to it. The case is a brass tube of from $\frac{3}{8}$ in. to 1 in. bore; on its bottom end is soldered a disc, and under this is fixed a wooden handle.

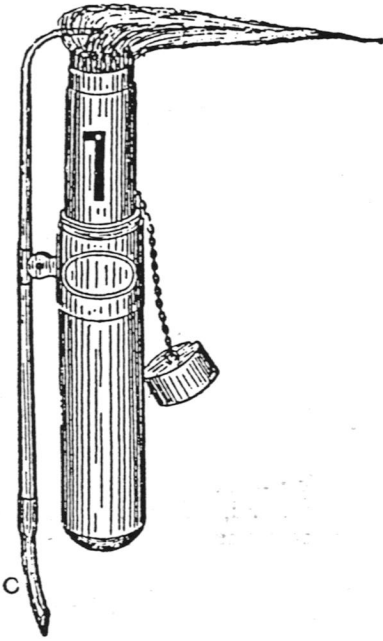


Fig. 676.—Spirit Lamp and Blowpipe.

SPIRIT LAMPS COMBINED WITH BLOWPIPES.

Ordinary mouth blowpipes rarely being longer than 9 in. or 10 in., the operator's eyes are brought uncomfortably near the work, and to overcome this difficulty, blowpipe lamps may be used. Fig. 676 shows a portable brass spirit lamp, to whose case a blowpipe is attached in such a way that it can be detached readily. The fuel is methylated spirit, or, preferably, benzoline, and the wick must be very absorbent. The flame, having been started, is regulated by the sliding tube. Of course, one must hold the spirit lamp, and this is a disadvantage. By lengthening the rubber air-supply tube c, the operator can keep his head as far from the flame as he pleases. A pointed flame is produced, but Cole's spirit torch and blowpipe (Fig. 677) gives a thick flame, about 6 in. long. Fig. 678 resembles Fig. 676, but the blowpipe is connected to a band e, so that its nozzle can be thrust into, or drawn from, the flame. From the same band a chain suspends a cap which covers the top of the lamp when this is not in use. The band

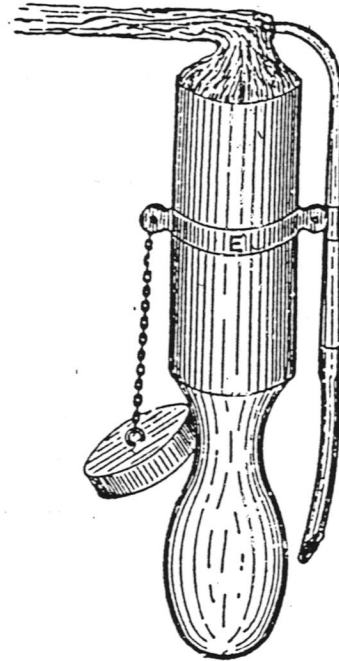


Fig. 678.—Another Spirit Lamp and Blowpipe.

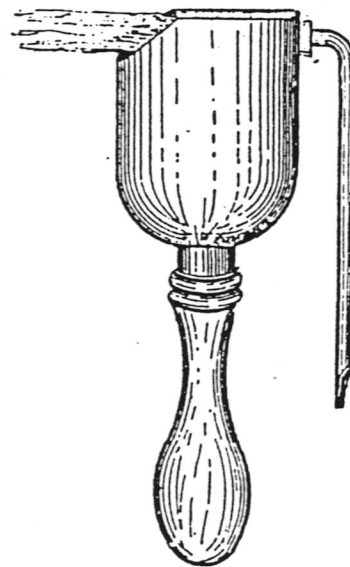
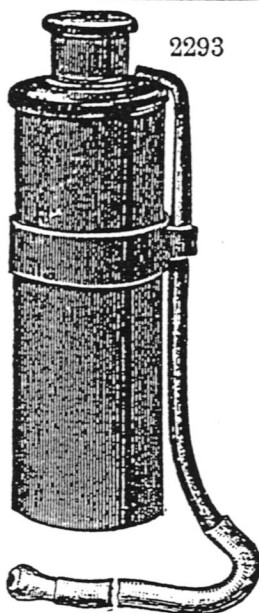


Fig. 677—Cole's Spirit Torch and Blowpipe.

"Multum in Parvo"

Spirit Lamp and Blow-pipe.



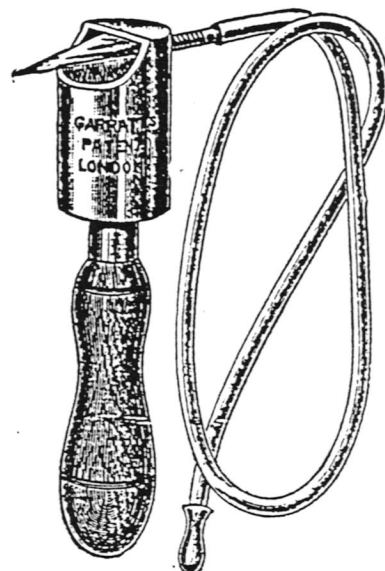
2293 This will be found a most handy and useful article for Gas-fitters, Plumbers, and all who are constantly using a blow-lamp. It is fitted with a flexible indiarubber tube and mouthpiece, enabling it to be readily used in many places where it would be difficult or impossible to work with an ordinary Blow-pipe. It can also be used with advantage as a torch or light when working in dark places, by unscrewing the loose top. To charge the lamp, fill the cylinder with lamp-cotton or cotton-waste, and saturate the same with methylated spirit for light work; for heavy work benzoline can be used. The blow-pipe can be adjusted to any height by pulling up the slide.

- 2292 Large Double Top, with extra long neck, 4/6 each.
- 2293 Large Double Top (as illustration) ... 3/6 "
- 2294 Large Single Top... .. 2/9 "
- 2295 Small, without Top 1/6 "
- 2296 Small, with Single Top 2/- "

Garratt's Patent Plumbers'

Blow Lamp for Benzoline.

2297
Garratt's Patent
Blow-pipe.

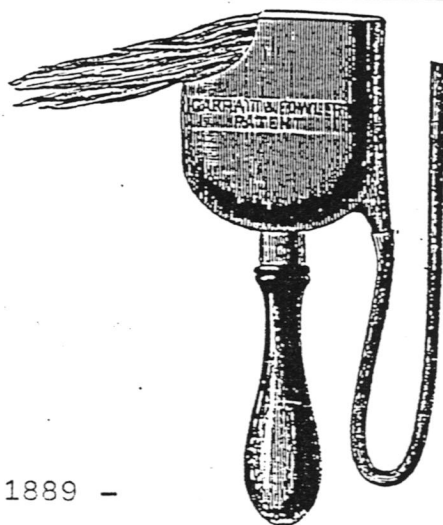


This illustration represents a new kind of Blow-pipe for small joints in compo pipe, and for general use. It far surpasses the old-fashioned Blow-pipe and Rushes, being cheaper, cleaner, and more effective. The flame can be regulated to blow a joint from 1/4 in. compo to 2 in. lead pipe at a cost of about a farthing per six hours. It can be used in any position without fear of explosion, as the spirit is not confined, and, being strong and simple in construction, cannot get out of order.

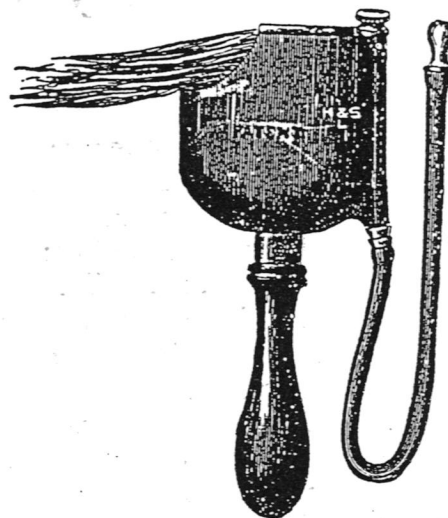
Small ... 1/9.

Large ... 2/9 each.

New Pattern Paint-removing Lamp.



- 1889 -



- 1907 -

**GARRATT'S PATENT
PLUMBERS' AND PAINTERS' LAMPS.**

THIS is a newly-invented Lamp, which can be used in any position for wiping plumbers' joints without the use of irons or fire-pot, seaming up lead flats, &c., effecting a great saving of time. It is invaluable for burning off paint, and any workman can work round rash bars without affecting the glass. The cost is about 3d. per day, with the use of benzoline.

Nos.	..	..	..	..	1	2	3
PRICES.	..	..	..	..	5/	4/	6/ each.

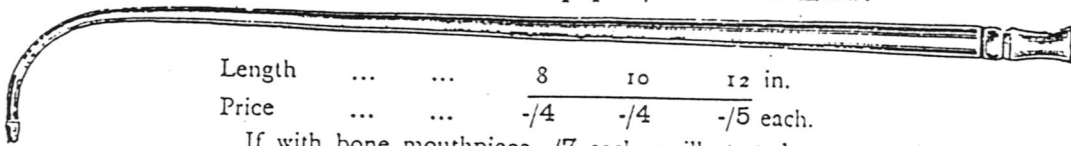
**BLOW LAMPS, OR
PAINTERS' SCORCHERS.**

Brass.

Small,	Middle,	Large.
7/6,	9/6,	11/6 each.

Rd. MELHUISH, Ltd., Fetter Lane, Holborn Circus, London, E.C. 1913

Superior Brass Blowpipes, Tinned End.



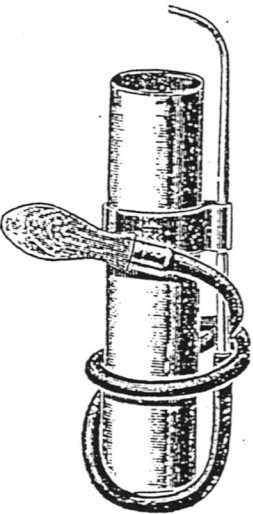
Length	...	...	8	10	12 in.
Price	...	...	-/4	-/4	-/5 each.

If with bone mouthpiece -/7 each as illustrated.

Methylated Spirit Blow Lamps.

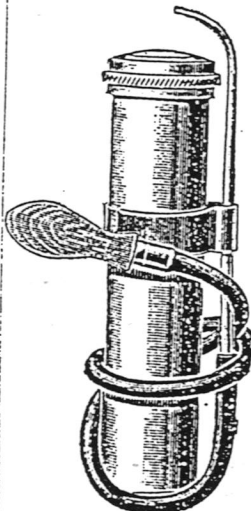
These Lamps must be filled with Cotton Waste before charging.

Without Cover.



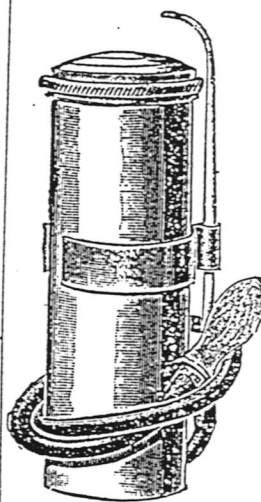
Size, $4\frac{1}{4} \times 1$ in.
Price, 1/2 each.

With Cover.



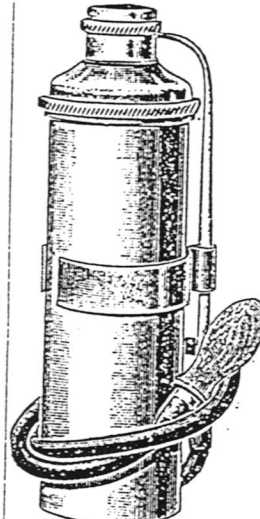
Size, $4\frac{1}{4} \times 1$ in.
Price, 1/6 each.

Single Top.



Size, $4\frac{1}{2} \times 1\frac{1}{2}$ in.
Price, 2/- each.

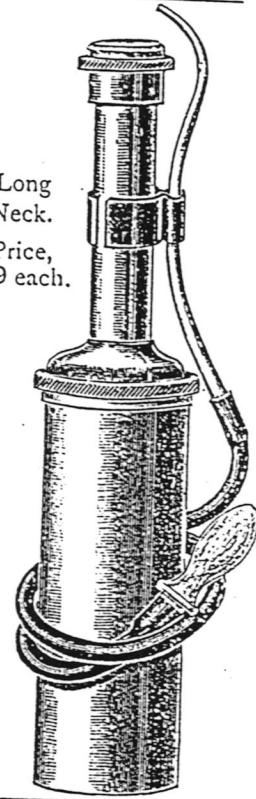
Double Top.



Size, $4\frac{1}{2} \times 1\frac{1}{2}$ in.
Price, 2/3 each.

Long Neck.

Price, 2/9 each.



J. H. PURDY.

Glass Spirit Lamp.

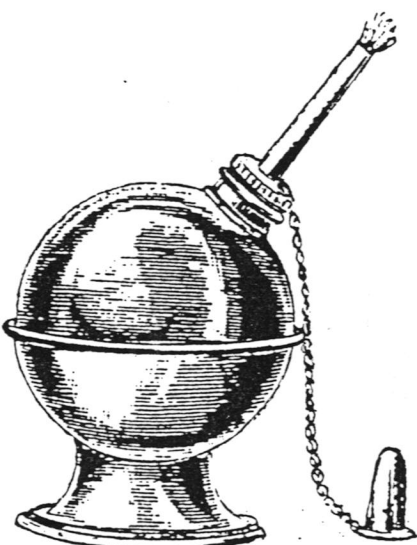
On Nickel Stand.

Movable in all directions.

Small Size, 4/- each.

Large " 7/6 "

U.S.A.

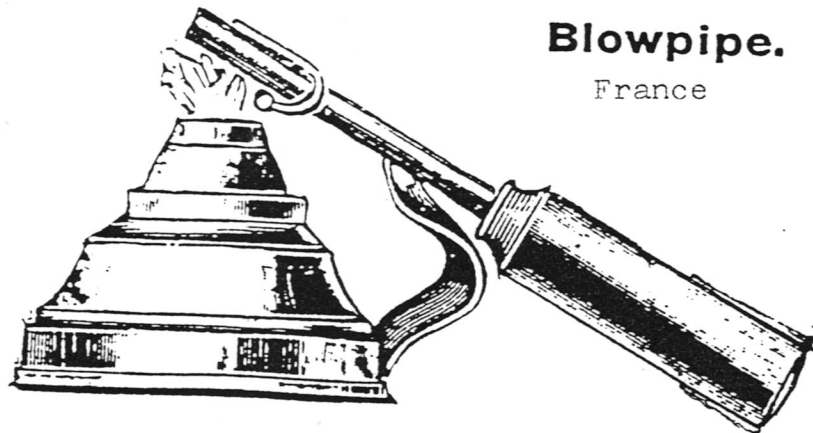


H.P & F

- 1898 -

DE COSTER Jewellers' Self-acting Blowpipe.

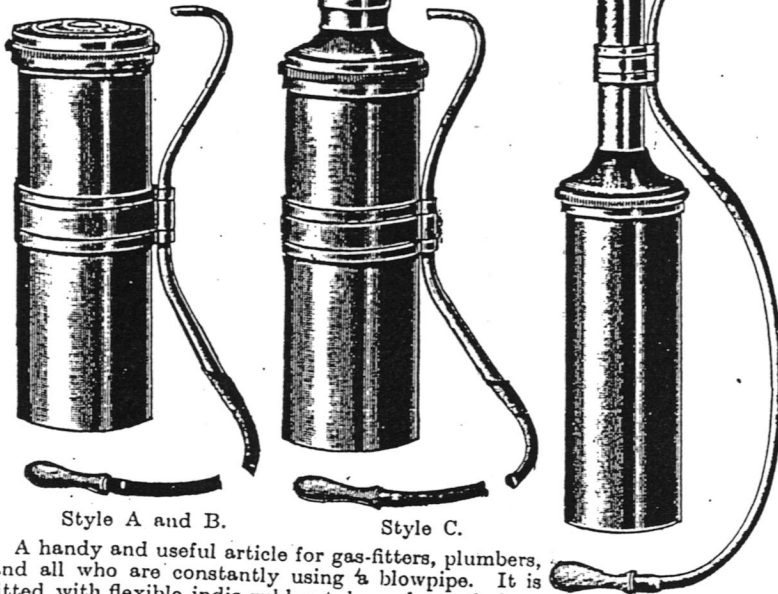
France



No.	0	1	2	3	4	
Blowpipe	...	3/3	4/-	4/6	6/-	7/- each.
Lamp for same	...	-9	-9	2/-	2/6	2/9 "

"Multum-in-Parvo"
Spirit Lamp and Blowpipe

- 1935/57 -



Style A and B.

Style C.

Style D.

A handy and useful article for gas-fitters, plumbers, and all who are constantly using a blowpipe. It is fitted with flexible india-rubber tube and mouthpiece, enabling it to be used in places where it would be difficult or impossible to work with an ordinary blowpipe.

By unscrewing the loose top it can be used as a torch. Can be adjusted to any height by pulling up the slide.

PRICE. A, with Single Screw Top, small size	..	..	2/-	each
" B, " " " large "	..	..	2/9	"
" C, with Double Screw Top	..	..	3/6	"
" D, New Pattern, with long neck "	..	..	4/-	"

Henley's
Patent Spirit Lamp

This lamp has vent-hole, or hole at the side of the neck near the top, and an external tube fixed at the top to the disc or cap and projecting downwards. The vent is thus protected from the flame, and the risk of ignition of the spirit vapour reduced to a minimum.

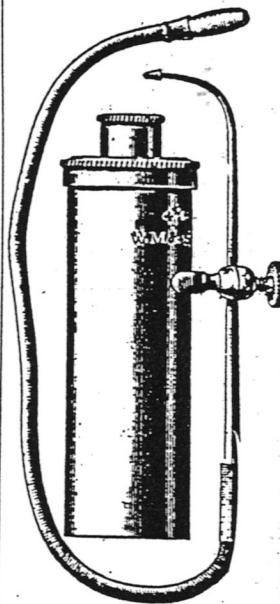
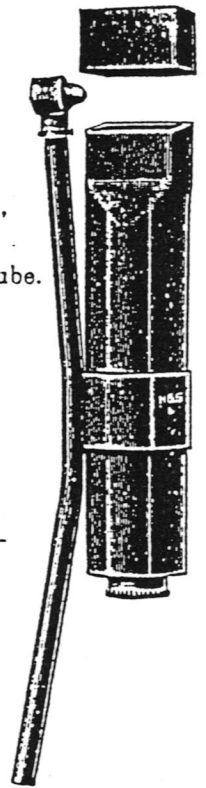
PRICE. 5/- each



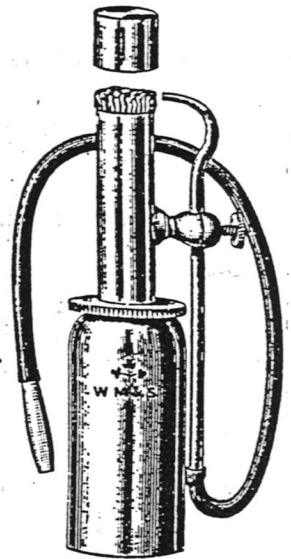
1929 Spirit Blow Lamp

The "Metropolitan."

Brass, without Rubber Tube.
04/- dozen.



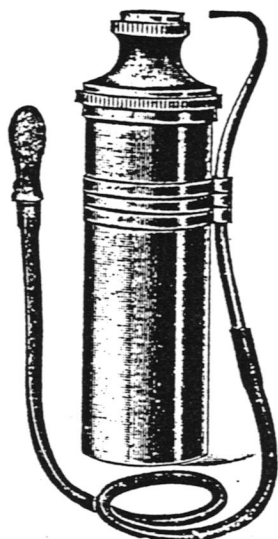
Torch Lamp, 7 2.
-1905 -



Torch Lamp.

All the lamps on this page are arranged for Methylated Spirit.

2, 4 & 6, WHITECHAPEL ROAD, LONDON, E. 1.



$4\frac{1}{2}$ in. \times $1\frac{1}{2}$ in. dia. with Double Cap.

No. 7072c ... each $\frac{3}{4}$

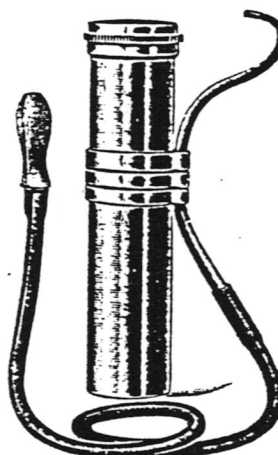
Extra India Rubber Tubes and Wood Mouth-Pieces

"MOORITE" BRASS HAND SPIRIT BLOW LAMPS

(Methylated).

For Electricians, Gas-Fitters, Motorists, Plumbers, etc., etc.

The bodies of these lamps are made of solid drawn brass tube. The blow pipe is fitted to a sliding brass clip which can be adjusted to any part of the body.



$4\frac{1}{2}$ in. \times 1 in. dia. with Cap.
No. 7072a ... each $\frac{2}{9}$

$4\frac{1}{2}$ in. \times $1\frac{1}{2}$ in. dia. with Cap.
No. 7072b ... each $\frac{3}{4}$

... each 9d.

These Blowlamps can be used with advantage as a Torch when working in dark places by unscrewing the large top.

Instructions.—Fill Lamp with cotton waste saturate with methylated spirit for Light Work or with benzoline for Heavy Work.

BLOWLAMP OR TORCH Gas Companies' Pattern



Bayonet Joint Slide. $\frac{6}{8}$ each.

BLOWLAMPS OR TORCHES, BRASS Indispensable to Plumbers, Gasfitters, and Electricians "Multum-in-Parvo"

All Polished Brass.



Screw Top

$4\frac{1}{2} \times 1$ in. $\frac{1}{8}$



$4\frac{1}{2} \times 1$ in. $\frac{1}{9}$



Screw Top

$4\frac{1}{2} \times 1\frac{1}{2}$ in. $\frac{2}{8}$



Screw Double Top

$4\frac{1}{2} \times 1\frac{1}{2}$ in. $\frac{2}{8}$

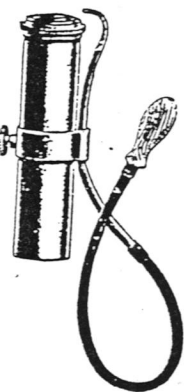


Improved

$\frac{3}{9}$ each

"GOVERNOR" SPIRIT BLOW TORCHES.

For Plumbers, Gasfitters, Electricians, etc.



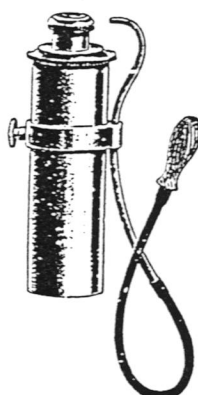
No. 2.

No. 1 same as No. 2 but without cap.



No. 3.

Five Sizes.



No. 4.



No. 5.

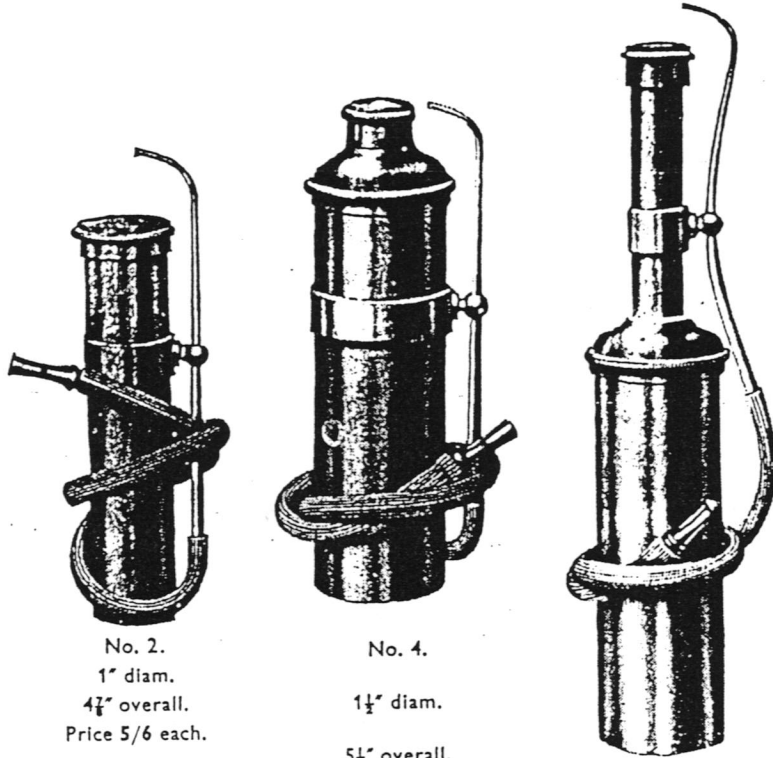
The bodies of these Torches are made of best solid drawn brass tube. The blow pipe is fitted to a sliding brass clip which can be adjusted to any part of the body. Each Torch supplied with 15-in. best rubber tubing, and hard wood mouthpiece.

No. 1.	No. 2.	No. 3.	No. 4.	No. 5.
Without Cap.	With Cap.	With Cap.	With Double Cap.	With Double Tube.
Measure $4\frac{1}{2} \times 1$	$4\frac{1}{2} \times 1$	$4\frac{1}{2} \times 1\frac{1}{2}$	$5\frac{1}{2} \times 1\frac{1}{2}$	$8\frac{1}{2} \times 1\frac{1}{2}$ ins.

Parts supplied separately: Brass Blow Pipes—rubber tube and mouthpiece only.

Instructions.—Fill the body of Torch with lamp cotton or cotton waste, and saturate either with methylated spirits or benzoline, the former gives best results for light and the latter for heavy work. By unscrewing the Cap these Lamps may be converted into Torches, and are useful on that account when work is done in dark places.

PLUMBERS' BRASS BLOWLAMPS MOORE & WRIGHT



No. 2.
1" diam.
4 1/4" overall.
Price 5/6 each.

No. 4.
1 1/2" diam.
5 1/2" overall.
Price 9/9 each.

No. 5.
1 1/2" diam.
8 1/2" overall.
Price 10/- each.

No. 3.
1 1/2" diam.
4 1/2" overall.
Price 7/6 each.

MOUTH
BLOWPIPES
(JH 2482)

Brass, with tinned ends.

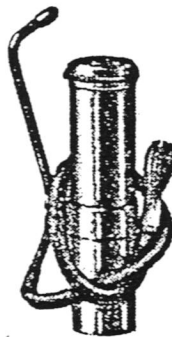
Length	Price
8"	2/3 each.
10"	2/9 ..
12"	3/3 ..



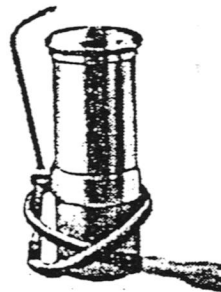
THE METAL AGENCIES COMPANY, LTD., BRISTOL

Plumbers' Blowpipes. (For Methylated Spirit)

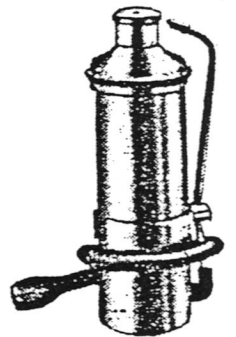
Made from Solid Drawn Brass Tube. Recessed bottom



1 in. diameter
6/3 ea.



1 1/2 in. diameter
7/6 ea.



1 1/2 in. diameter
8/6 ea.