NAYLER

J.H.NAYLOR LTD. WIGAN

Bifold Safety Lamp 1






Bifold Burner Lamp













J. H. Naylor of Wigan Marsaut type „E“ Bi fold burner ,one of only three Naylor lamps still approved for Officials use underground after the 1911 Mines & Quarries act wipe out of thousands of lamps deemed unfit for use (Photos Andy Jones)





















Bifold Burner 4






Spiralarm








THE SPIRALARM

An Automatic Detector of Combustible Gases in any atmosphere

ROBUST, SIMPLE AND ECONOMICAL

For the protection of life wherever inflammable gases are present the Spiralarm fills a long-felt need. It is composed of a Miners' Flame Safety Lamp of approved design. The steel gauzes and gas-tight joints ensure that no ignition of explosive gases can be caused by the presence of the testing flame. The Spiralarm is designed to meet the requirements of Local Authorities, Petrol Companies, Collieries, works where inflammable gases are present, and for any undertakings where life is endangered by the presence of inflammable gases.

Full particulars obtainable from

J. H. NAYLOR LTD.
CENTRAL BRASS WORKS
WIGAN

A Spiralarm „TYPE M“ was used for detecting explosive gas in the mine. The „TYPE S“ used in sewers. In der Lampe befand sich ein Bimetalkontakt. Dieser schloss, wenn er sich der Bimetallkontakt zu stark erhitzte (Gas) einen elektrischen Stromkreis. Dann leuchtete eine Batteriebetriebene Glühlampe im unteren Bereich der Lampe. Merkmal: kleines rotes Glas > M (mine) großes rotes Glas > S (sewers / Sanitär / Abwasserkanal)

Catalog Safety Lamps and Gas Detectors 17.09.1933









MARSAUT "E" (SHUT-OFF) LAMP.

Description :

A specially designed deflector shield in blue planished steel or aluminium with cast brass or aluminium top; steel gauzes 20 × 20 mesh or 28 × 28 mesh, fitted with open brass loops of such design as to render it impossible to assemble the lamp without both gauzes being in position. Approved quality glass, 38 × 60 m/m. Cast brass or aluminium collars.

The vessel can either be that of our Hibld Burner Lamp, the Marsaut "A" or Marsaut "K" lamps. The two last named can be supplied in brass or aluminium.

The middle collar to this lamp is fitted with a shut-off ring to close the air inlet holes. This ring is held in position by a spring and is closed by a slight movement in a clockwise direction. When this takes place the only air inlet is through the top of the bonnet and gas can be detected within 1½in. of the roof.

J. H. NAYLER, LTD., WIGAN.



MARSAUT 'A' & 'B' APPROVED FLAME SAFETY LAMPS.

Description, Marsaut 'A' :

Blue planished steel shield, steel gauzes 28 × 28 mesh or 20 × 20 mesh, fitted with open brass loops of such design as to render it impossible to assemble the lamp without both gauzes being in position.

Approved quality glass 38 × 60 m/m. Cast brass middle collar, with vertical slots. Cast brass bottom collar; solid cast brass vessel fitted with flat burner to take ½" wick. Flame regulation by means of pricker wire.

The lamp consumes Colza oil at the mixtures allowed by the trade, gives a good candle power, is very simple to use and gives 60 hours full flame to every half pint of oil.

All parts are interchangeable and repairs are easily carried out at the colliery.

J. H. NAYLER, LTD., WIGAN.



Marsaut "A" Lamps are approved by the Board of Trade Mines Department.

Marsaut 'B' Lamps.

These differ from Marsaut "A" lamps in the arrangement of the middle collar, deflector and shield.

The middle collar carries a deflector ring of suitable depth.

The lamp is suitable for the highest velocities.

The shield is of the horse type and is held in position by means of a lead strap.

The vessel, burner, gauzes, etc., are the same as in the Marsaut "A" lamp and prices are 6d. higher for each corresponding type.

Marsaut "B" lamps are not made in the smaller size as No. 12.

All Marsaut "B" lamps are approved by the Board of Trade Mines Department.

J. H. NAYLER, LTD., WIGAN.



MARSAUT "N" FLAME SAFETY LAMP.

Description :

Blue planished steel shield, steel gauzes, 28 × 28 mesh or 20 × 20 mesh, fitted with open brass loops of such design as to render it impossible to assemble the lamp without both gauzes being in position.

Approved quality glass 38 × 60 m/m. Cast brass middle collar with vertical slots and solid cast brass vessel.

Flame regulation by means of thumb screw or pricker wire.

This lamp incorporates several recent improvements. The burner is completely enclosed. This type of enclosed burner affords a marked improvement in lamps consuming mineral colza oil. It certainly reduces the tendency to smoke and the flame is not robbed of any oxygen due to evaporation of oil in the lamp.

The bonnet tube is slightly concave. The wick consumes the same shape after a few hours and so increases the candle power.

A special grade of mineral colza oil with the addition of paraffin to the extent of one part to seven is the most suitable fuel for this lamp.

The lamp is supplied with standard gauzes, 28 × 28 to 30 × 30 mesh and can also be supplied with 28 × 28 mesh gauze slightly taller. This last improvement is very strongly recommended. It increases the candle power to 1.4.

J. H. NAYLER, LTD., WIGAN.



MARSAUT "N" FLAME SAFETY LAMP—Continued.

The Marsaut "N" Lamp is a good lamp for the detection of gas. It gives a very good light and only consumes one half pint of fuel in 60 hours. It is quite free from smoke. It is fitted with oil filling valve and can be supplied with electric ignition and magnetic lock. It is available in several types as follows :—

21. Marsaut "N" Lamp with blue planished steel shield and steel gauzes, strut lock and ordinary ignition.
Weight 4lbs. Price 16/6

22. The same lamp, but with aluminium shield.
Weight 3lbs 13ozs. Price 20/6

23. As above, but with aluminium middle collar.
Weight 3lbs 7ozs. Price 22/6

24. The same lamp as No. 23, but with aluminium bottom collar.
Weight 3lbs. 4ozs. Price 23/9

25. As No. 24 but with copper gauzes and guaranteed non-magnetic. Suitable for testing purposes.
Price 27/9

Any of the above types can also be supplied with electric ignition at an increase of 1/6 and with magnetic lock at an increase of 1/3.

The Marsaut "N" Lamp (in all types) is approved by the Board of Trade Mines Department.

J. H. NAYLER, LTD., WIGAN.



THE PATENT BIFOLD BURNER SAFETY LAMP.

Description :

Blue planished steel shield, steel gauzes, 28 × 28 mesh or 20 × 20 mesh, fitted with open brass loops of such design as to render it impossible to assemble the lamp without both gauzes being in position.

Approved quality glass 38 × 60 m/m. Cast brass middle collar with vertical slots. Cast brass bottom collar, cast brass vessel fitted with patent double burner to take special circular wick.

Flame regulation by means of thumb screw.

This lamp consumes paraffin, a very economical fuel easily obtained in all parts of the world at a low price. It never varies in quality, and possesses all the qualities of a natural product. The Bifold Safety Lamp is used in all parts of the world and is economical to use, gives a high candle power and is easily repaired by the collier, all parts being interchangeable.

J. H. NAYLER, LTD., WIGAN.

[Back to Mining lamps UK](#)

Wetterlampen

From:
https://www.karl-heupel.de/dokuwiki/ - **KarlHeupel**

Permanent link:
https://www.karl-heupel.de/dokuwiki/doku.php?id=grubenlampen:naylor&rev=1566208983

Last update: **2020/03/26 11:36**