PATTERSON LAMPS

TYPE A.1





FOR THE MINER
Flame Safety Lamp type A1
Safety Lamps Approval B/113

TYPE A.1

Electrically lighted and magnetically unlocked

CONSTRUCTION: The bonnet is provided with a male screw ring for attachment to the middle ring. The male screw ring is provided with twenty-four vertical air-inlet holes of total area of 1.18 square inches. Improved burning is secured by an inner chimney of steel which secures proper circulation of air to the flame. The lamp cannot be assembled unless both gauzes are in correct position. The construction is simple and robust ensuring low cost of upkeep.

LOCKING: Entirely enclosed and absolutely impregnable. The lock bolt can only be withdrawn by means of a powerful electro-magnet in the lamp-room. Besides locking the oil vessel, the bonnet, gauzes and glass are automatically locked in position.



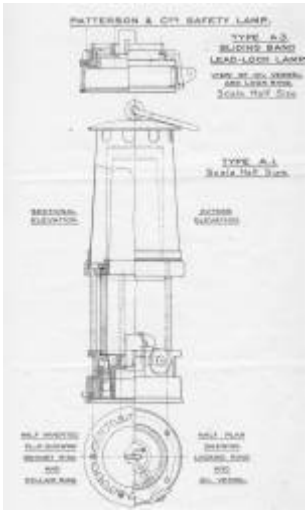
LIGHTING: Correct and certain contact on the Lighting Apparatus is assured both in the lamp room and in the underground relighters. The electric ignition device is fitted to the side of the lamp and is easily kept clean. This lamp is now made either with or without electric ignition, as desired.

FILLING: A spring-loaded oil filling valve is fitted in the top of the oil vessel for filling by a machine to economise on labour in the lamproom.

LIGHT: The lamp is fitted with a flat burner and gives over 1 C.P.

Weight—3 lbs. 5 ozs.

Height to top of bonnet—10¾ inches







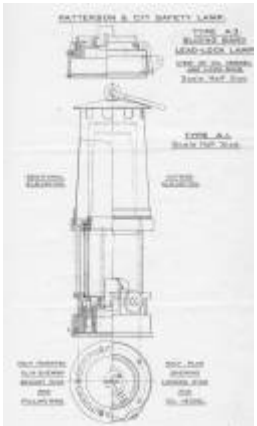




TYPE A.3













TYPE B.7



TYPE B.7

Electrically lighted and magnetically unlocked.

CONSTRUCTION: The bonnet is securely fastened to the middle ring. The middle ring is provided with vertical air inlet holes having a total area of 1.6 square inches. Satisfactory burning is ensured by a short chimney of steel which directs the flow of air within the lamp. The burner is encased in porcelain giving a clear flame with low oil consumption. The bottom ring is provided with a female screw thread which engages a glass seating ring and the oil vessel respectively. There are only four pillars between the middle and bottom rings giving the minimum amount of obstruction between the flame and the observer. The lamp cannot be assembled unless both gauzes are in their correct position.

This construction represents the maximum of efficiency obtainable with the ordinary Marsaut type of lamp.

LOCKING: Entirely enclosed and absolutely impregnable. The lamp can be unlocked only on a powerful electro-magnet in the lamproom.

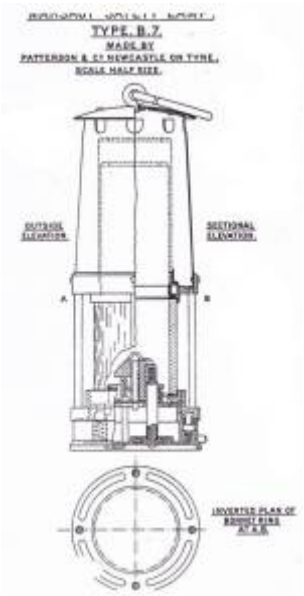
LIGHTING: The Lighting Apparatus is provided with a special locating device which ensures proper contact for lighting.

FILLING: A spring loaded oil filling valve is fitted to the top of the oil vessel.

LIGHT: The lamp is fitted with a flat burner and the flame is very suitable for gas testing purposes.

Weight—3 lbs. 6 ozs.

Height to top of bonnet—10¼ inches.



TYPE M. IG.



PATTERSON'S

Type M. IG.

GAS
DETECTING
LAMP

Approved by the Ministry of Fuel & Power for use by

DEPUTIES
FIREMEN
SHOTFIRERS
and OTHER OFFICIALS

(SCHEDULE 'B' - CLASS B)

Complying with the Coal Mines S.R. & O. of 1938. Nos. 1406, 1409 and 1410

TYPE E.1







Our Patent Approved TYPE E.1.
OIL SAFETY LAMP.

SINGLE GLASS ONLY.

LOW UPKEEP COST.

2·0 C.P.

WEIGHT 3½ lbs.

PERFECT **SAFETY**

SUPERIOR TO ELECTRIC OR ANY OTHER OIL LAMPS.

Unscalled Gas Detector. Simple Construction. Stands Unlimited Jerking and Tilting without Extinguishing. Smoking and Overheating Effectively Prevented. Electric Ignition. Magnetic or Lead Locks.

COMPLETE LAMPROOM EQUIPMENTS.

PATTERSON & CO.,

Trafalgar St. Works,

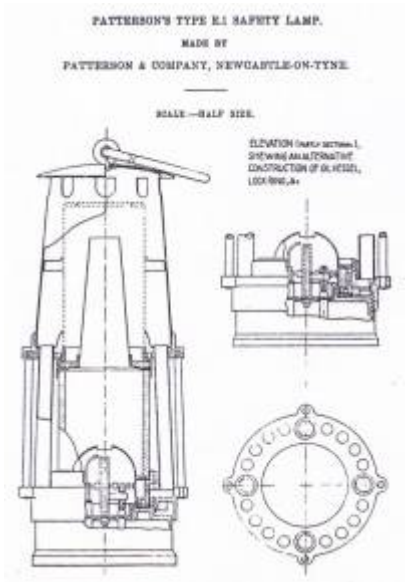
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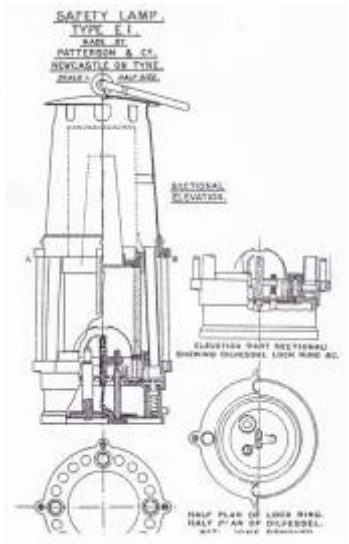












TYPE GTL9





TYPE TVI





TYPE H.C.P.



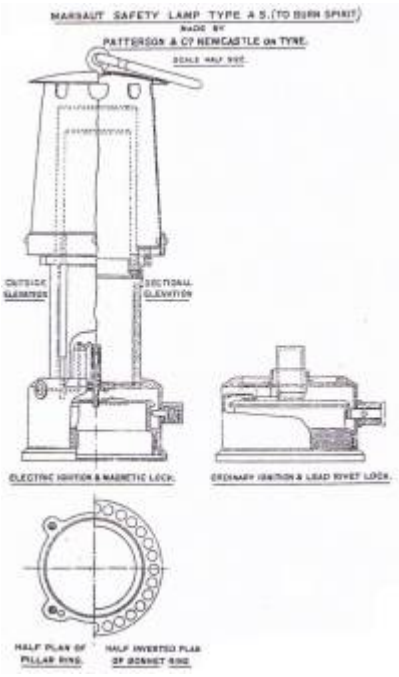


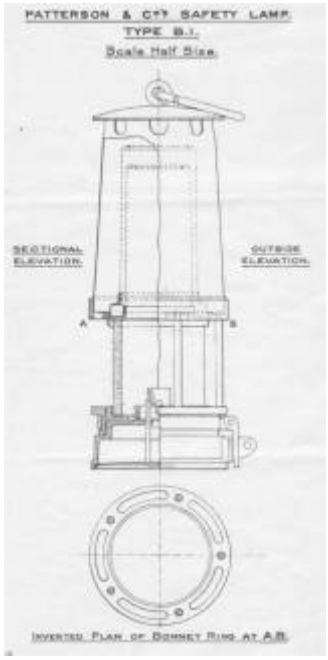


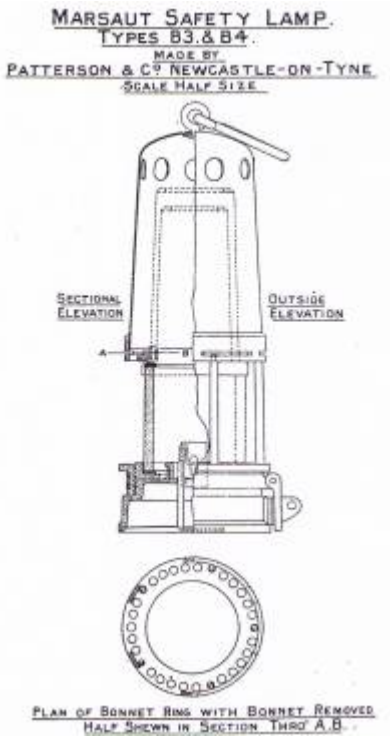
TYPE H.C.P.9

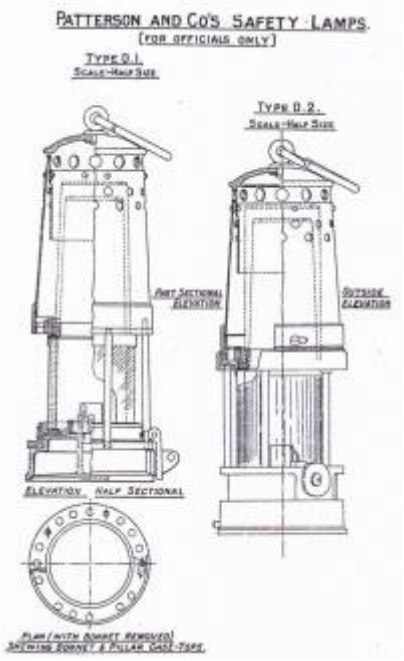

PATTERSON'S
LATEST
FLAME LAMP.
TYPE H.C.P.9.
MAXIMUM LIGHT.
MINIMUM HEAT.
ECONOMICAL SERVICE.

Catalog


MARSAUT SAFETY LAMP TYPE A 5. (TO BURN SPIRIT)
PATTERSON & Co NEWCASTLE on TYNE.


PATTERSON & Co's SAFETY LAMP.
TYPE B.1.
Scale Half Size.
SECTIONAL ELEVATION.
OUTSIDE ELEVATION.
INVERTED PLAN OF BONNET RING AT A.B.


MARSAUT SAFETY LAMP.
TYPES B3. & B4.
MADE BY
PATTERSON & Co NEWCASTLE-ON-TYNE
SCALE HALF SIZE
SECTIONAL ELEVATION
OUTSIDE ELEVATION
PLAN OF BONNET RING WITH BONNET REMOVED
HALF SHEWN IN SECTION THRO' A.B.



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