

PATTERSON LAMPS

TYPE A.1





FOR THE MINER
Flame Safety Lamp type A1
Safety Lamps Approval B112

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 gauges 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 The lock bolt can only be withdrawn by means of a powerful electro-magnet in the lamp-room.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, gauges 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 neighbors. 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.

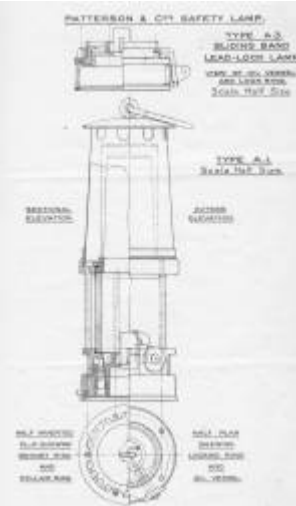
Weight—3 lbs. 5 ozs.
Height to top of bonnet—10½ inches











TYPE A.3

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 18" - CLASS B)
Complying with the Coal Mines S.B. & O.
of 1935 Nos. 1406, 1407 and 1410

TYPE E.1



BY GUARDIAN

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

SINGLE
GLASS
ONLY.

2'0 C.P.

PERFECT



LOW
UPKEEP
COST.

WEIGHT
3½ lbs.

SAFETY

SUPERIOR TO ELECTRIC OR ANY OTHER OIL LAMPS.
(NO SPECIAL PATENT AND SPECIALS.)
Unmuffled Run Between - Simple Construction;
Alarms Detected during any Tipping without Extinguishing;
Smoking and Overheating Effectually Prevented;
Electric Ignition, Magnetic or Lead Lamps.

COMPLETE LAMPROOM EQUIPMENTS.

PATTERSON & CO.,
Trafalgar St. Works,
NEWCASTLE-ON-TYNE.
Telephone: "Lancashire" 500-5000 ESTABLISHED 1865



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.

APPROVED BY THE BRITISH MINES DEPARTMENT
UNDER SCHEDULE "A" OF THE
LIGHTING REGULATIONS.

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