

# A Patented Clanny Lamp

*by Manfred Stutzer*



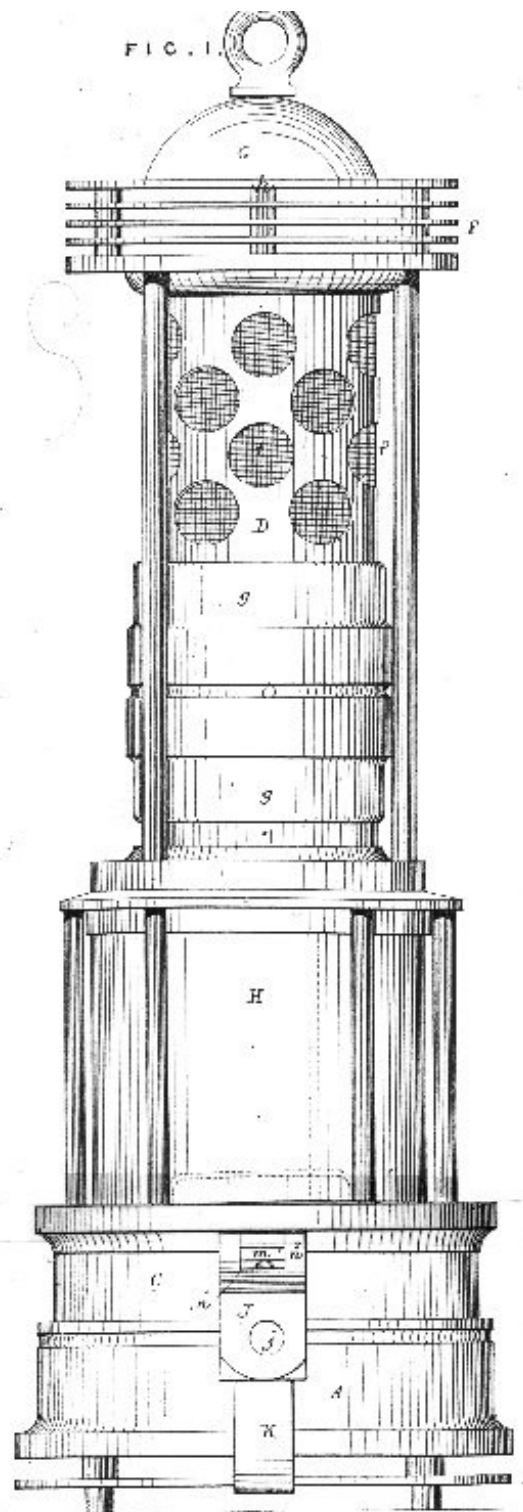
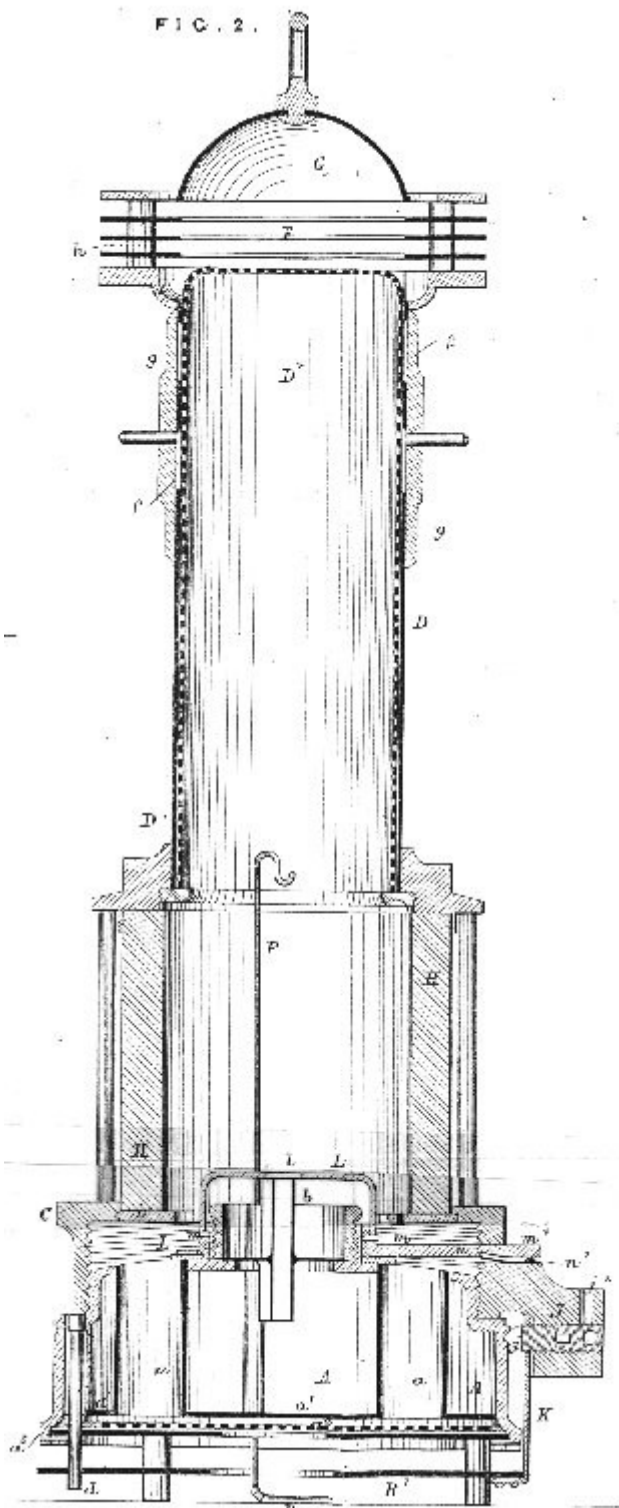
Some years ago I was able to acquire a patented Clanny lamp for my collection. The lamp has some unusual construction details compared to the well known ordinary Clanny lamps. Of special interest is a stamping on the small bonnet which partially covers the gauze. The stamping reads: "Landaus Patent". Years later I found a patent description (No. 768 from 1874). The patent was given to Marcus Israel Landau, of Bury Court, Saint Mary Axe, in the City of London, for the invention of "Improvements in Miners' Safety Lamps and other Lamps"

In the patent description one can read: "One object of my invention is to supply atmospheric air to miners' safety lamps and other lamps in such manner as to maintain combustion while preserving the flame from noxious or prejudicial gases, and strong currents and counter currents. I provide an annular chamber of circular, conical, quadrangular, or other shape, the

upper edge of which forms a horizontal periphery, in which are perforations protected when necessary with wire gauze or metallic plate. The air enters through these orifices and passes into and circulates in the chamber. A portion of this periphery is without orifices. Wire gauze, perforated metal, or perforations are provided in the vertical portion of the side

of the chamber beneath such non-perforated portion, and through the same air passes to the flame to maintain combustion. One advantage of this arrangement is that if miners work where there is a mixture of firedamp with the ordinary air of the mine the gas will not burn inside the lamp and will not extinguish the flame because it cannot enter the lamp except there be a strong down draft, when the gas might enter through the perforations and the flame





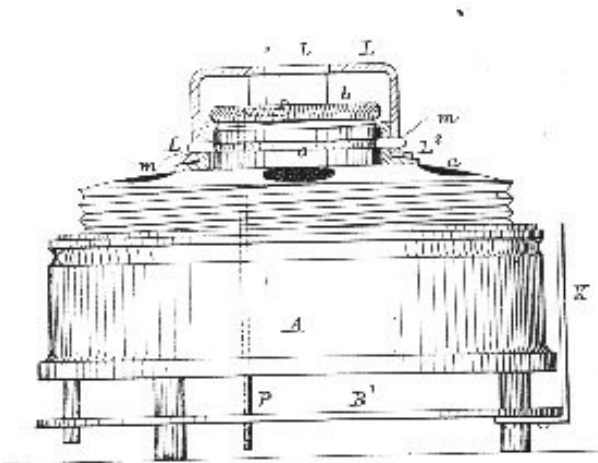
will be extinguished. If the miners work in choke damp, or air likely to affect respiration, the reduction or extinguishing of the flame will warn him of danger. I sometimes form the air chamber of a truncated cone shape and place the oil chamber outside."

My lamp is very similar to patent drawings (see pictures) and has a height of 9,5 inches.



A.D. 1874, 3rd MARCH. N° 768.

### Safety Lamps.



LETTERS PATENT to Marcus Israel Landau, of Bury Court, Saint Mary Axe, in the City of London, for the Invention of "IMPROVEMENTS IN MINERS' SAFETY LAMPS AND IN OTHER LAMPS, ALSO IN BURNERS, AND IN APPLYING LAMPS FOR VARIOUS PURPOSES, AND IN APPARATUS FOR SUPPLYING AND REGULATING GAS, AND FOR VENTILATING."

Sealed the 28th August 1874, and dated the 3rd March 1874.