

FOR SALE, AT R. FRITH & Co's,
A NUMBER OF HYDROGEN LAMPS,



for producing an instantaneous light by a jet of Hydrogen gas upon Platina. The Hydrogen gas is by a very simple arrangement produced in the lamp itself. The whole forms a useful lamp, requiring but little trouble and not liable to be out of order. The apparatus is shown in the wood cuts, and consists of an inside glass containing a coil of zinc, both of which are attached to a movable top. The outside vessel is filled half or two-thirds full of diluted sulphuric acid (made by mixing one part of vitriol with eight or nine parts of water); this acting upon the zinc gives off Hydrogen gas, which issuing from a jet upon a piece of Platina heats it so that it immediately lights the gas. When the liquid remains without effervescing, the apparatus requires recharging, which is done by carefully unscrewing the jet and passing through it a fine needle so as to clear it; this is replaced, fresh liquid is added, and it is charged as before.—Price 6 Rupees. (460)

28 FEBRUARY 1846