DEFRIES' RAILWAY-CARRIAGE ROOF LAMPS.

After the Meeting, Mr. C. DEFRIES exhibited and explained some specimens of his Improved Railway-Carriage Roof Lamps. Three objects were sought to be accomplished in these lamps. First, by admitting cold air into the burner, thus preventing the oil from boiling, the overflowing of the oil in the glass, so common in other lamps, was prevented. Secondly, a simple method of fixing the glass was adopted, so that by having a stock of glasses at different stations, a broken one might easily be replaced: instead of, as at present, it being necessary to send the damaged lamp to the repairing shops, in order that a new glass might be soldered in. Thus, a much smaller stock of lamps would be required, and less expense would be incurred for repairs: in addition to which the chance of breakage, in the transit from the stores, would be entirely removed. Thirdly, the interior of each lamp was made in one piece, instead of three, or four pieces, as customary. This tended to increase the light, which was remarkably clear and brilliant.