

viewing the dock-yard ; and the return to London may be made by the way of Chatham and Gravesend, affording the gratification of a view of the dock-yard and lines at Chatham, and of the fine old cathedral and castle at Rochester ; at the same time, enabling him to arrive in London on the evening of the day that he quits Sheerness."

If the student's time will permit, a day or two may be profitably spent at Herne Bay on his return; and search should be made for fossils under Swale Cliff and Studd Hill, where numerous fruits and some unique mammalian remains have been found by William Richardson, Esq. (see p. 835.). Should he land at Gravesend, as recommended by Mr. Bowerbank, he should proceed towards the limekilns which lie on the right hand of the pier, on the banks of the Thames. To the left of the limekilns he will perceive a road leading by some bold chalk cliffs to the high ground above Gravesend ; and on the right hand there is a row of cottages, or rather huts, inhabited by the labourers that work in the quarries and kilns. Many of the usual fossils of the Kentish Chalk may be obtained of the women or children in these huts ; and sometimes *Cidares*, or turban Echinites (p. 346.), with spines; and Star-fish (p. 335.). A visit to the chalk-pits at Purfleet, on the opposite side of the river, is very desirable; many interesting fossils having been found in that locality. The Kentish Chalk in this district is much softer than that of Sussex, and the