run lengthwise through the masonry, dividing it in three piers, in which the anchor chains are bedded. The total height of the anchorage above high water is at the face 89 feet from where it falls towards the rear with 3½ per cent.

The anchor chains consist of a double set of links, placed over each other. Each set contains ten links, arranged so, that the first two, starting from the anchorplate, are vertical, the next six form a quarter circle and the upper two are horizontal. In each link there are alternately 9 and 10 bars of sizes varying from $3 \times 9$ inches for the upper to $3 \times 7$ inches for the lower links. The pins also diminish proportionally from 7 to 5 inches in diameter.

Fig. 3 shows in side elevation the upper set of anchor links to which the strands are attached. The figures (Fig. 4) written between the bars indicate the order in which the strands are made in succession.

About 10 or 12 feet forward of the