iron bed-plate, $4\frac{1}{2}$ inches thick and weighing 11 tons. On the flanges of a saddle, six short stands are cast, serving as bearings for three rollers, in which the strand rests during its construction. The middle roller is placed 6 inches outside the center of saddle, the saddle 7 inches beyond center of plate, and the latter 12 inches outside the center of tower, all in direction towards the land

This was done as a precaution, to provide for the probable motion of the saddle towards the river, and to prevent the resultant of pressure from intersecting the tower base at foundation further outside its center than it naturally does owing to the difference of inclination of river and land cable. It will subsequently be shown that this motion does not exceed two inches.

The dimensions of the anchorages, built of limestone with granite corners, are at the foundation 132×119 feet 4 inches, at groundline 124×111 feet and at top 117×104 feet. In front the given widths are 10 feet less. Two arches