a strong stone abutment is built, and another on the shore of Goat Island; from one of these abutments to the other, an arch is thrown, the chord of which is two hundred forty-four feet six inches. The arch is composed of three tiers of girders, the lower one is sixteen feet from the chord, and twenty feet from the water at high tide. The second tier supports the planking on which the road passes, which is a larger circle to facilitate the travelling. The upper tier answers the purpose of railing. There are three sets of these girders, one on each side and one in the middle of the bridge, which are so braced and framed together, as to make the whole strong and firm. This arch was constructed by Mr. Timothy Palmer of Newburyport, on a model entirely new, and does him great credit for his skill in Architecture. The remainder of the bridge from Goat Island to the Durham Shore, is built on piles, in which is a draw for vessels to pass through, as they go up and down the river. In constructing this bridge three thousand tons of oak timber, two thousand tons of