

Cumberland Island lies on the north side of St. Mary's Harbour; and between these two islands lies Tyger Island, on which you will see clusters of trees, appearing much like houses at a distance.

N. E. When you are outside of the bar, and Tyger Island is bearing W. by N. then bring Amelia Island to bear W. S. W. and Cumberland Island N. W. by W. these are the anchoring marks in 8 fathoms, and good holding ground. This roadstead is open to all easterly winds. There are 16 feet water on the bar at high water; if the wind has blown any time in the N. E. quarter, it will rise 2 or 3 feet more. The flood sets due south from this to St. John's, which is the next harbour to the southward: It flows here 9 h. 45 min.

From St. Mary's to St. John's.

THE course is S. by E. distance 9 leagues to St. John's: In making this place, when bound in to St. Augustin, it appears like a round high bluff, on which is a wooden building like a windmill, called the *Spanish Lookout*. On the north side of the harbour is Talbot Island, in length 5 miles: it is low and full of trees, lying north and south: there are 16 feet water on the bar at high water. The latitude is 30 deg. 32 min. N. At full and change it flows S. E. by S. and N. W. by N. 9 h. 45 min.

From St. John's to the Bay of St. Augustin.

WHEN in 9 fathoms water off the bar of St. John's, the course is S. S. E. distance 11 leagues. The northernmost land of the bay is called *Punta Cartel*: When you are as far to the southward as this point, you will see the Island Anastasia, in length 18 miles, and on the south side of the bay, the north side of which has a high white tower, like a light-house, where a look-out is kept: When a vessel appears in sight, a signal is made to the town of St. Augustin, by hoisting their colours, and firing a gun; if the vessel appears to the northward of the bay, and is a three-mast vessel, they hoist an ensign, and hang out on a pole in the form of a triangle, three balls on the north side of the tower; if to the south, the balls are hung out on the south side of the tower; if a two-mast vessel, two balls and a jack hoisted; if a sloop, one ball and a pendant; for a fleet, they fire five guns, and an ensign hoisted. The bar of St. Augustin has no more than 10 feet water on it at high water spring tides, and at low water 5 feet. There is a swash to the northward of the bar with 11 and 12 feet water; but the sand shifting often, and the passage being so narrow and crooked, the pilots seldom attempt it. The latitude of the signal tower is 29 deg. 58 min. N. It flows at full and change S. E. by S. and N. W. by N. 9 h. 45 min. The variation was 4 deg. W. anno 1773.

To anchor in the Bay of St. Augustin.—Observations on the Weather, and on the Gulf Stream. See Part I. p. 18 and 19.

BRING the signal tower to bear S. W. $\frac{1}{2}$ W. and the fort which stands to the northward of the tower W. $\frac{1}{2}$ N. the new barracks will then be open with the northernmost point of Anastasia Island. Then bring up, and you will have 10 fathoms water, and good holding ground: The northernmost land in sight will bear N. W. by N. the southernmost land S. S. E. and you will be near the middle of the bay, it being immaterial which way you cast your ship. But should you be