

bear S. by W.  $\frac{1}{2}$  W. from you, they are on with each other. To go clear without Thatcher's Island Ledge, you must keep about 3 miles distant from the light-house. In thick weather, a gun will be fired from the light-house, to answer any signal which may then be made.

**Note:** When you proceed from Cape Cod to Boston Bay, with a flood-tide, you should steer about one point to the northward of the course already described, because the flood sets into Barnstable Bay. This precaution is the more necessary when the wind is northerly. Similar care is requisite in steering from Boston Bay to Cape Cod.

Until you advance to within two leagues of Boston Light-house, you shoalen your water from 35 to 19 fathoms. The soundings are irregular. On the Cape Anne shore the bottom is rocky; but, towards Cape Cod, it is of fine sand.

On the days of the full and change of the moon, it is high water off Boston Light-house at ten o'clock. It flows off the town till a quarter of an hour past eleven. The spring-tides rise 16 feet perpendicularly; neap-tides, 12 feet.

**TO SAIL IN DURING THE NIGHT, OR TURN WITHIN THE LIGHT-HOUSE ANCHORAGE.**—Coming from sea in the night, bring the light-house to bear West, and steer for it, observing to incline your course southerly as you approach, in order to give a berth of two cables' length to the Light-house Island. When you are abreast of the light, shape your course West, until it bears from N.N.E. to N.E. Here, if not acquainted with the harbour, you may anchor till day-light. With the wind between the S.W. and N.W. quarters, a ship may, in great safety, turn up within the Light-house anchorage, taking care not to stand farther southward than to bring the light-house to bear W.S.W., nor farther northward than N.N.W.

**BOSTON HARBOUR.**—Off the entrance of the harbour is a small shoal, called the *Old Bank*, which lies E. by S. nearly three miles from the light-house, and in the fair-way of the harbour, with Point Alderton and the north sides of the two islands within it nearly in a line, W.  $\frac{1}{2}$  S., and the S.W. ends of the two outer islands on the north side,  $\uparrow$  in a line, bearing N.W.  $\frac{1}{2}$  W.

On the South, or larboard, side of the entrance, are *Harding's Rocks*, a cluster steep-to, and which lie at the distance of  $2\frac{1}{2}$  miles S.E. from the light-house. At low water the largest rock shows itself about twenty feet long and four feet high. It is surrounded by smaller blind rocks, extending about 140 fathoms on all sides. The marks for the largest are the S.W. point of the Light-house Island and western point of Great Brewster Island in one, and Nahant Rock, nearly N. by E. a small ship's length open with the S.W. end of the rocks called the *Graves*.  $\uparrow$  A white buoy is now laid on the N.E. side of the Hardings, which is, on entering, to be left on the larboard hand.

*Alderton Shoal* extends in a northern direction from the bluff head of Point Alderton, on the South side, and about one-third over. There is a red buoy on the outer part of this shoal, which bears from the white buoy of the Hardings N.W. by W.  $\frac{1}{2}$  W. one mile and a half.

The *Egg Rocks* are a cluster, above water, on the north side, at the distance of half a mile E. by N. from the light-house.

The *Beacon* on the S.W. end of the Spit of Great Brewster Island stands at the distance of a mile and a quarter W.  $\frac{1}{2}$  S. from the light-house. It marks the entrance of the *Narrows*, which lie between Lovell's Island on the East, and George's Island, with Gallop and Nick's Mate Islands, on the West.

The *Centurion*, a rock of eleven feet at low water, lies at nearly half a mile S.  $\frac{1}{2}$  W. from the beacon, and is left, on entering the Narrows, on the West or larboard side. It lies with the S.E. points of Great Brewster and outward Brewster Isles in a line, and one-third of Nick's Mate Island shut in with the east side of George's Island.

From the S.E. side of George's Island a rocky bank extends to the distance of more than a quarter of a mile, and has on its extremity a black buoy. The entrance of the Narrows lies between this buoy and the Beacon Point.

\* Nantasket and Puttock Isles.

$\uparrow$  Outward Brewster and Green Island.

$\uparrow$  The Graves are described hereafter.