

N.N.E. $\frac{1}{4}$ E., and Gull rock little more than its own breadth open of White head (Catch Harbour head of the fishermen), bearing N.E. $\frac{3}{4}$ E., lead right over this dangerous rock, and also over the Mare, which, with 6 feet least water, lies nearly three-quarters of a mile farther in.

The S. W. Breaker, which almost always shows, lies $1\frac{1}{2}$ miles to the eastward of Smitkison rock, with Chebucto head seen over the eastern extremity of Sambro island, which bears from it N.E. $\frac{1}{4}$ N., $1\frac{1}{2}$ miles.

The Sisters are the outermost of the eastern of the Sambro ledges, and are distant $1\frac{2}{3}$ miles from the lighthouse on Sambro island, between the bearings from it of E. b. N. and E. b. S. Their position is pointed out by Black rock, which is 15 feet high, and from which they are distant one-third of a mile to the S.E. b. E. Several of them uncover at low water, and can always be seen, but the Blind Sister is more dangerous, having 9 feet over it at low water ; the Black rock bears from it N. $\frac{3}{4}$ W. half a mile, and Broad breaker, which almost always shows, W. $\frac{1}{2}$ N., 4 cables.

Nick shoal and Ede or Owen rock, the latter with 9 feet water on it, lie nearly midway between the Sisters and Morris point, on the western side of the entrance to Catch harbour.

The Hennesy and Lockwood rocks, of the old charts and directions, could not be found by our parties, nor by Captain Shortland, who has also examined the alleged positions in H. M. S. *Columbia*. They doubtless do not exist, for rocks covered by only 8 or 12 feet water would cause breakers almost constantly, and thereby become conspicuous ; but neither the native fishermen nor the lighthouse keepers have ever seen them.

Hennesy Bank, Shoal Ground, Barse Ground, and Outer Bank.—These are rocky fishing grounds, which are no further dangerous to vessels than that they cause a heavy half breaking sea in bad weather. The Hennesy bank of the fishermen is a small rock with 8 fathoms over it, lying three-quarters of a mile to the southward of the Blind Sister ; Sambro lighthouse bears from it N.W. b. W., $1\frac{3}{4}$ miles. The Shoal Ground, with 8 fathoms water on it, lies a mile farther out, with the lighthouse bearing N.N.W. $\frac{3}{4}$ W. 2 miles. The Barse Ground is a rock with 9 fathoms least water ; the lighthouse bears from it N. b. E. $2\frac{1}{4}$ miles, and the Outer bank in 14 fathoms, S. by E. $4\frac{1}{4}$ miles. The Sambro bank continues out $2\frac{1}{2}$ miles beyond the Outer bank to the depth of 30 fathoms, terminating in a point from which the lighthouse bears North, $6\frac{3}{4}$ miles.

Clearing Marks.—The *fixed white* light exhibited from Sherbrook tower on Maugher beach, (see p. 14) kept just open east of Chebucto head, bearing N. b. E., will clear all the Sambro ledges, and also the Bell rock