

the eastward of N.E. by N., until Church point is in line with the north-east side of Turner Bay rock, bearing N.N.W.  $\frac{3}{4}$  W., then alter course, and steer with those marks in one, until the rock is approached ; when sheer gradually to the northward, so as to pass at the distance of one cable's length to the north-east of it, and then to the N.W., to the anchorage off the fishing coves as before.

**PENNANT HARBOUR**, at the north-eastern angle of Pennant bay, has secure anchorage above the islands, as stated on former charts, in which the dangerous Middle ground, with 13 feet least water is omitted, being directly in the way of vessels taking what is called the good channel between Pennant point and Pennant island. Two other shoals at the head of the harbour are also omitted.

**DIRECTIONS.**—To enter Pennant harbour, after passing at a cable's length to the eastward of Bald rock, steer N.E. for the Thrumcap until the Seven islands open out to the northward of Pennant island, when the Middle ground will be passed ; then haul round to the eastward and northward of the Thrumcap at the distance of one cable, so as to pass between it and the rocky 18 feet shoal lying a quarter of a mile N.E.b.E. from it. Having passed to the westward of this shoal, anchor within Martin and Saddle islands, as convenient, from one to  $2\frac{1}{2}$  cables from them, in 6 or 7 fathoms, mud bottom. In rounding Pennant point, be careful to avoid the reefs which extend 2 cables off it to the southward and eastward.

**SAMBRO HARBOUR**, lying at the head of the bay formed between Pennant point on the west and Cape Sambro on the east, has anchorage within the Isle of Man.\* The heavy sea in south-west winds is in great measure broken by the ledges outside, but the shelter is imperfect, and the dangers off and in this harbour are so numerous, that it should never be attempted by a large ship, excepting in a case of extreme necessity.

**DIRECTIONS from the Westward.**—To enter Sambro harbour from the westward, pass between the Bull rock and Pennant point, steering N.E. b. E. for the Isle of Man ; and, having passed Bull rock, at the distance of  $1\frac{1}{2}$  or 2 cables, to avoid the shoal water off it to the northward, keep the east side of the Isle of Man and Round island in line, if the latter can be made out ; if not, pass one or 2 cables to the eastward of Island rock, still steering N.E. b. E. for the Isle of Man, until beyond Torpey ledge ; then, to avoid the Middle ground, steer more easterly, so

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\* This Isle is the Thrumcap of the fishermen ; the name Isle of Man, however, is preferable, although not used by the natives, to avoid the confusion of so many Thrumcaps.