

about the 3rd March, 1908, the whistle buoy off the Frying Pan Shoals will be replaced by bell buoy painted in vertical stripes and marked F.P.

Approximate position, lat. $33^{\circ} 33\frac{1}{2}'$ N., long. $77^{\circ} 48\frac{1}{2}'$ W.

This Notice affects the following Admiralty Charts:—Cape Fear River, No. 2863; Cape Fear to Sapelo Sound, No. 268; Albemarle Sound to Cape Fear, No. 267. Also, Sailing Directions for the East Coast of United States, 1899, page 710.

No. 49.—ENGLAND—SOUTH-EAST COAST.

Dover Harbour Works, South Breakwater—Re-erection of Staging, Removal of Pier Works Light-Vessel Postponed.

With reference to Notice to Mariners No. 1456 of 1907:—

Notice is hereby given, that in consequence of damage to the western end of the South Breakwater, Dover Harbour, the staging will be re-erected and the Pier Works Light-vessel retained in her present position until further notice is given.

Mariners are warned that a Goliath crane weighing 400 tons is mounted on the staging, vessels therefore fouling the staging will not only risk doing it damage, but also large damage to themselves, even to being sunk, should the Goliath fall on their decks. Consequent on the re-erection of the staging, a light-buoy, painted green, exhibiting a green occulting light, will be moored at a distance of half a cable S. 48° E. from the two vertical green lights near the western end of the South Breakwater.

The white occulting light now shown from near the western end of the South Breakwater will be removed to the south-western angle of the staging as it advances westward.

Approximate position, lat. $51^{\circ} 6\frac{3}{4}'$ N., long. $1^{\circ} 20\frac{3}{4}'$ E.

Further notice will be given as to the date on which the above changes will take effect.

This Notice affects the following Admiralty Charts:—Dover Bay, No. 1698; The Downs, No. 1828. Also, List of Lights, Part I, 1907, No. 188; Channel Pilot, Part I, 1900, page 328; and Supplement, 1903.

No. 50.—ENGLAND—SOUTH COAST.

Shambles Light-Vessel Fog Signal—Intended Alteration in.

The Trinity House, London, has given notice, dated 1st January, 1908, that on or about 12th February, 1908, it is intended to alter the interval at which the blasts of the fog siren on board the Shambles Light-vessel are given from two to one minute:—viz., two blasts (high, low) in quick succession every minute.

Approximate position, lat. $50^{\circ} 31'$ N., long. $2^{\circ} 20'$ W.

Further notice will be given.

This Notice affects the following Admiralty Charts:—Weymouth to Portland, No. 2255; Portland to Christchurch, No. 2615; Portland to Owers, No. 2450; Eddystone to Portland, No. 2620. Also, List of Lights, Part I, 1907, No. 65; and Channel Pilot, Part I, 1902, page 177.

No. 51.—ENGLAND—EAST COAST.

River Tyne—North Pier Reconstructed, Alteration in Lights.

With reference to Notice to Mariners No. 330 of 1907:—

The Tyne Improvement Commissioners have given notice, dated 2nd December, 1907, that the Northern Pier, River Tyne entrance, has been reconstructed, as shown in pecked line on the charts, and the old North Pier removed as far as low water level. The distance between the north and south pier heads is now about 2 cables.

On the 15th January, 1908, the following alterations will be made in the lights and fog signals:—

a. North Pier (reconstructed) head. A white group flashing light, showing groups of three flashes every ten seconds, thus:—flash, half a second; eclipse, one and three-quarter seconds; flash, half a second; eclipse, one and three-quarter seconds; flash, half a second; eclipse, five seconds, will be established on this pier head in place of the two red fixed lights at present exhibited; it will be elevated 85 feet above high water and visible in clear weather from a distance of 15 miles.

The light, which is dioptric of the 3rd order, will be established in a grey cylindrical tower, situated at a distance of $2\frac{1}{10}$ cables N. 2° W. from the South Pier Light.

During thick or foggy weather a reed horn placed on the cupola of the lighthouse will give one blast of three seconds' duration every ten seconds.

Approximate position, lat. $55^{\circ} 1'$ N., long. $1^{\circ} 24'$ W.

b. North Pier (old). The green, white, and red lights on the old North Pier head will be discontinued.

c. South Pier Head Light. This light (occulting every ten seconds) will be altered to show the following sectors:—red from the bearing of N. 88° W., through north and east, to S. 88° E.; white from S. 88° E. to S. 2° E.; green from S. 2° E., through south, to S. 16° W. (over Bellhues Rock); and white from S. 16° W., through west, to N. 88° W., in other respects it will remain as at present.

The fog-bell at this lighthouse will be elevated 27 feet above the pier head and struck by machinery during thick or foggy weather once every thirty seconds.

[Variation 17° Westerly in 1908.]

This Notice affects the following Admiralty Charts:—River Tyne Entrance, No. 1934; Hartlepool to Blyth, No. 3104; Hartlepool to St. Abbs Head, No. 1192; North Sea, No. 2182a. Also, List of Lights, Part I, 1907, Nos. 367 (Remarks), 368; and North Sea Pilot, Part III, 1905, pages 85, 86.

No. 52.—SCOTLAND, NORTH COAST—ORKNEY ISLANDS.

Scapa Bay—Intended Light Buoy.

The Commissioners of Northern Lighthouses have given notice, dated 31st December, 1907,