

Henry flag-staff," "Lazaretto," "Buchanan," "Fishing Point," "Sollers' Point," "Hawkins' Point," "Fort Carroll Light House," "Sparrows' Point," "Rock Point," "North Point" (upper light), "North Point" (lower light), "Bodkin," and "Seven-foot Knoll Light House."

**SURVEY OF 1876.**—The interest manifested by the municipality of the city of Baltimore in regard to permanent improvements of the harbor took form in May of this year. The Legislature of Maryland, in its session of 1875-76, passed a special appropriation of \$5000 for the purpose of a proper topographical survey in furtherance of that purpose. The bill provided for the co-operation of the Coast Survey in the work, and requested the appointment by the President of a Commission composed of the Chief of Engineers, the Superintendent of the Coast Survey, and the U. S. Engineer in charge of harbor and river improvements at Baltimore.

The Commission, appointed as requested, consisted of Major-Gen. A. A. Humphreys, Dr. C. P. Patterson, and Major W. P. Craighill. J. W. Donn, Assistant Coast Survey, was assigned to make all surveys needful for the deliberations of the Commission in the establishment of permanent harbor lines. These surveys were shown upon five sheets of wharf, pier and shore lines, and the same number included full hydrographic details.

For this special survey a careful triangulation was made during July and August, 1876. In the course of this triangulation the following easily recognized points and discoverable with little trouble at the present time were determined: "Bayview Asylum," "Washington Monument," "Light Street Corner," "Gail & Ax's Cupola," "Malt House," "Knabe's Piano Factory," "Chase's Wharf," "Bonded Warehouse," "Abbott's Foundry," "Mill Cupola," "Central Cupola," "Green Cupola," "Elevator B," "Lazaretto," "Iron Foundry," "Parapet," and "Fort McHenry flag-staff." Subsequently the entire wharf-line was measured carefully with a steel tape as a check and for comparison with the plane-table determinations. As usual, the topographical work was done entirely upon the ground, the only record being delineations upon the field sheets. Comparisons