

pumps are required to bring it to the surface. The supply from this source seems to be very abundant. At the Wilmington Steam Laundry, owned by J. T. Harper, this water is used for laundry purposes without special treatment. A considerable number of wells have been drilled to this horizon in various parts of the city, a partial list of which is included in the table below. Reports seem to show that the water is in the main satisfactory for domestic and for most manufacturing purposes. In the opinion of the writers, the horizon, if properly developed, could be used as a source of city supply.

At the Delgado Cotton Mills, 1 mile east of Wilmington, a Peedee horizon is tapped by 10 or 12 wells at depths of 90 to 100 feet. Water of good quality is obtained.

At Winter Park Garden, 3 miles east of the city, there are several wells which pass through Eocene beds and enter the Peedee beneath, but it is not certain whether the principal horizon is in the former or the latter. The water obtained is rather hard and ferruginous. Several flowing wells furnishing water of very satisfactory character have been drilled near Greenville Sound, and samples of the materials were obtained from one of them. (See section, p. 193.) The depth of the latter was 170 feet and the beds passed through, from 35 feet below the surface to the bottom, appear to belong to the Eocene. Along the coast, therefore, the Eocene appears to contain water-bearing beds.

A flowing well at Masonboro Sound is believed to have passed through the Eocene beds and to have entered the upper part of the Peedee formation. (See section, p. 168.) Water of satisfactory quality was obtained.

The 390-foot well of Mrs. Croft near Wrightsville undoubtedly enters Peedee beds, but the principal water horizon is believed to be in the Eocene at a depth of about 85 feet. This water is of good quality.

Good water is obtained at Wrightsville Beach from two wells 195

## NEW HANOVER

| Number. | Location.                                | Owner.                   | Date completed. | Elevation of surface above datum—feet. | Datum.     | Depth—feet. | Diameter—inches. | Depth to principal water supply—feet. | Height of water, ± surface—feet. |
|---------|------------------------------------------|--------------------------|-----------------|----------------------------------------|------------|-------------|------------------|---------------------------------------|----------------------------------|
| 1       | Wilmington, Hilton Park.                 | Clarendon Waterworks Co. | 1899            | 9                                      | sea level. | 1,330       | 6 at bottom.     | -----                                 | + 2                              |
| 2       | Wilmington, cor. Nunn and Third streets. | J. D. Bellamy, Jr.       | 1906            | about 40.                              | sea level. | 115         | 2                | 115                                   | -40?                             |