

refreshments, so that you may breakfast; or, if you please, buy newspapers, or pamphlets, or novels. We then flew over rails, supported on long lines of wooden piles, following the coast, and having often the sea on one side, and fresh-water lakes, several miles long, or salt marshes, on the other. In some of the marshes we saw large haycocks on piles, waiting till the winter, when, the mud and water being firmly frozen, the crop can be carried in. We were soon at Lynn, a village of shoemakers, exporting shoes to distant parts of the Union; and next went through the center of the town of Salem, partly in a tunnel in the main street; then proceeded to Ipswich, leaving on our left Wenham Lake, and seeing from the road the wooden houses in which great stores of ice are preserved. In some of the low grounds I saw peat cut, and laid out to dry for fuel. We crossed the river Merrimack near its mouth, on a bridge of great length, supported by piles, and then entered New Hampshire, soon coming to the first town of that state, called Portsmouth, which has a population of 8000 souls, and was once the residence of the colonial governor. Here I made a short stay, passing the evening at the house of Mr. J. L. Hayes, to whom we had letters of introduction, where we found a gay party assembled, and dancing.

Next morning I set out on an excursion with Mr. Hayes, to explore the geological features of the neighborhood, which agree with those of the eastern coast generally throughout Massachusetts, and a great part of Maine—a low region of granitic rocks, overspread with heaps of sand and gravel, or with clay, and here and there an erratic or huge block of stone, transported from a distance, and always from the north. Lakes and ponds numerous, as in the country of similar geological composition in the south of Norway and Sweden. Here, also, as in Scandinavia, the overlying patches of clay and gravel often contain marine fossil shells of species still living in the Arctic Seas, and belonging to the genera *Saxicava*, *Astarte*, *Cardium*, *Nucula*, and others, the same which occur in what we call the northern drift of Ireland and Scotland. Some of the concretions of fine clay, more or less calcareous, met with in New Hampshire, in this