

rence, and by the Lakes Ontario and Erie. Between the former and the southern boundary are the smaller lakes, which, by means of the Genessee and Oswego rivers, form a natural communication with the Hudson, and also with the Susquehanna and Alleghany rivers, that have their source within the southern limits. It has been ascertained, that, of 55,000 square miles, which this territory contains, between 4000 and 5000 are covered with water.

*Minerals.*—Of iron there is an inexhaustible quantity in the high lands, and in different parts of the state, as far as Indian river, or west branch of the Oswegatchie, where iron works are now erecting. The iron sand ore of the borders of Lake Champlain, and in the high lands, gives a metal of a very superior quality. Native silver has been found near Sing Sing, in a small vein. Ores of tin have been discovered in the high lands, and also in the counties of Essex and Clinton. Ores of arsenic are found in Orange county, in the town of Warwick. In 1812, Mr. Jesse Buel, editor of the "Plebeian" at Kingston, Ulster county, sent me a piece of ore of antimony, found near that place, of which a hundred parts give from fifteen to sixteen of the metal, and 0.00025 of silver. The specimen analyzed by Mr. Godon, and which excited some fruitless researches, was given to me by Dr. Vanderlyn, to whom it was presented in his shop by some person, who pretended that it was taken from a mine with which he was acquainted. Lead ore is found at Ancram, and Claverack, in Columbia, Essex, Clinton, Herkimer, and Ulster counties. In the Shawangunk Mountains are several veins, the ore from some of which yields 80 per cent of metal. Black lead, or plumbago, exists near the city of New York, and in the high lands sixty miles north; also in the counties of Ulster and Jefferson, and near Lake Champlain.

*Vegetable Kingdom.*—The common forest trees are oak of different species, ash, walnut, pine, maple, beech, chesnut, birch, poplar, cherry, cedar, elm, hemlock, sumach, &c. The greatest proportion of timber in the western country consists of oak, elm, sugar, maple-tree, black walnut, beech, butter nut, chesnut, cucumber. The indigenous plum-tree yields a fruit of an agreeable flavor, which ripens late in autumn. The wild grape, of which there are four kinds, grows throughout the