

containing 1-100,000 part, while the water of the sea contained but little more than 1-100,000,000 part. They state also that they find silver in sea salt and the ordinary muriatic acid, and in the soda of commerce, and that they have examined the rock-salt of Lorraine, in which they discovered this metal. Beyond these, pursuing their researches in terrestrial plants, they have obtained such indications as leave no doubt of the existence of silver in vegetable tissues. Lead is said to be always found in the ashes of marine plants—usually about 18-100,000 parts—and invariably a trace of copper. Should these results be confirmed by further examination, we shall have advanced considerably towards a knowledge of the original formation of mineral veins in our earth."

The second confirmation of this part of our theory, will be found, I believe, in *Harper's Magazine*, for May or June, 1852, wherein it is shewn, that Primary Earths and Metals have been found in the ashes of certain vegetables, which were raised in such manner as to preclude the possibility of these earths and metals to have derived their origin from any other source than the vital processes of these plants, acting on the air and water supplied them, which precisely agrees with our theory of the formation of these Primary Earths.

The above discoveries agree and confirm the statements of the great French chemists, Chaptal, Schrader and Braconnot, as given in the Eighth Edition of our *System of the Creation*, on which we based our theory of the formation of the metallic and geological bodies by the processes of vegetation and animalization.