

He states that the seeds were planted as soon as ripe, in rows running four feet apart, in most cases where the trees are wanted to remain, and kept well cultivated until autumn. In this statement the height is given, also the circumference at six inches from the ground, and the weight of good specimens cut off at the surface of the ground. By weighing them he ascertains to an approximate degree the bulk of the wood. The following varieties are given, with the results in each case :

BURR OAK, (*Quercus macrocarpa*.) These when examined had been growing for three years. The seeds grew only a few rods from where they were planted. These trees had attained to thirty-six inches in height and a girth of one inch and three quarters, and weighed three and a half ounces, having never been transplanted.

WHITE ASH, (*Fraxinus Americana*.) These are growing by the side of the Oaks, and also were never transplanted. The seeds came up evenly and quickly and grew well. At the end of the first two years they were straight, clean and without a branch. When three years old their height was from ninety to ninety-six inches, girth from three to four and a half inches, and they weighed from sixteen to twenty-two ounces. By the side of these are two rows which were transplanted at the end of the first year, and these seem to be about a year behind those not moved. At three years old these attained the height of seventy-two inches, a girth of two inches and a quarter, and weighed eight ounces.

LINDEN OR BASSWOOD, (*Tilia Americana*.) These are fully as large as the Ashes, and were not transplanted. Their height is ninety-six inches, girth from three and three-quarters to four and five-eighths inches. The weight is not given.

SUGAR MAPLE, (*Acer saccharinum*.) Next to the Basswood are three rows of Maples also three years old. These are uneven in size, many being quite small. One tree was much larger than the rest, it was seventy-two inches in height, girth two inches and five-eighths. The average of the next size was thirty inches in height, with a girth of one inch and one-eighth, and weighed eight ounces, while many were only eighteen inches high, but having the same girth of one inch and one-eighth.

BUTTERNUT, (*Juglans cinerea*.) These are next to the Sugar Maples, and are three years old. The largest of these is seventy-eight inches