bility of obtaining, if possible, from its original source, a small number of real natural tubers, merely to afford renewed experiments, in relation to the existing disease. And there should be efforts made, in time, by every one who cultivates the potato crop, in order to arrive at a system whereby to lessen and check the disease as much as possible. The utter destruction of this malady in any particular country, and during any one year or season, would lead only to the miraculous. The theory advanced by some writers, whereby to destroy the potato disease by the production of tubers from the seed apple, is indeed very questionable. That tubers of a new or different variety may be thus produced is apparent, but since it is conclusive that the visitation is still endemic to the whole vast family of the potato, it must follow that renewed seed propagated in this way, will enter into life open to the same influences that are now attached to the parent plant.

The impression as regards the production from the seed of the plant, with a view to introduce a pure and healthful race, when first made upon the mind, led me to think along with others in favour of the experiment—but apart from such experiments that have been made, and their results—there remains in my opinion but one conclusive consideration, which is, that it would be just as reasonable to suppose, that the new-born child-because it is a new-born child-will thereby escape all or any of the endemical diseases to which the human family is liable, as to imagine that the potato produced anew from the seed, can be free from a disease to which its whole race have been predisposed during a lapse of seventeen years. That the root may be renewed, and in a measure improved in quality by the process there is no doubt.

In the year one thousand eight hundred and sixty, I had planted with potatoes about half an acre of light land; they were of three different sorts, viz.: Pink Eyes, Ohios, and a new variety called "the Prince Albert;" these were planted, each sort by itself. The crop in progress of growth received every attention, the yield was abundant, and in other respects large in size, sound, and of good quality. That sea-(1860) my attention was drawn to the very unusual quantity of seed apples that formed and matured, and I was induced to collect a great number of the largest of the berries, for experimental culture. However, as ill luck willed it, they were, after remaining a long time in state of supposed decomposition, mistaken for some useless compound, and thrown out of doors. In 1861, the same piece of land was put into culture of the carrot crop; and from the great care taken to subdue all kinds of weeds and anything that might vegetate, save the carrot plants, there was not even a solitary potato permitted to live from any of the few that might have been left in the ground the preceeding year.

I have now to introduce a very interesting

phenomenon-if I may be allowed the expression sion in respect to the seed of the potato. have stated that an unusual quantity of se apples were produced in 1860. I have also & clared that nothing of the potato kind veget ted in 1861. In 1862, the identical piece land was a second time put under the cam culture. Some few days after the carrot see had vegetated, in looking through the drills. was observed that an abundant erop of ver diminutive potato plants had sprung up; a more so on those parts of the land wheret Albert, and Ohio potatoes grew in 1860, at although the seed apples were seen in abundan on the plants of the Pink Eyes, but very fe seeds of that sort seemed to have vegetated; 1862.

The discovery of these young seed plants orded a wide field for experimental culture. I due time I selected a quantity of the m healthy locking young plants, and some them were removed and transplanted to a pricular spot, whence potatoes of a diser character had been dug in the fall of 1861, this step was taken with a view to ascertait the contagion—if I may so term it—still ling ed there. The other plants that were removere transplanted into various parts in the g den—the whole of them received similar att tion during the summer, with respect to cultition—as did also a great many more that a left in favourable places amongst the cam where they first vegetated.

When the produce of this seed crop was: vested I did not find the yield thereof as I. been led to anticipate, viz., "small potator, the size of marbles," but on the come some of them were extremely large—in those generated of the Prince Albert sort sured, some of them, as much as five in long-there was no discernible disparity of a in any of the tubers raised from the Prince bert plants—but in shape there was seen a ma change in a few, some of which were quite re whereas the parent stock is that of a very. potato. In respect to the produce of thei plants, not only was there a disparity of a observable but also an unmistakable new va of oval and round formed potatoes, and the a clear white skin-the Ohio being natural pale purple. There is one thing I ought. remark, which is the produce from the that were removed and transplanted w. superior description to that found under plants that remained undisturbed, although whole that were harvested received equal This perhaps may be attriin cultivation. to the death of some of the young tender caused in the act of transplanting then which would naturally tend to strengthen that remained uninjured; and although the atoes were not so great in number, they much larger, and more fully formed, w those found under the plants that were le