

**Two Pictures.**  
An old man with a beard and a young boy with a bow in his hand. The old man is looking at the boy with a smile. The boy is looking at the camera.

**Successive Crops not Exhaustive.**  
It is curious that some people, apparently intelligent, persist in asserting that successive crops of the same grain do not impoverish the soil, and even go so far, some of them, as to say that it increases the productive capacity. Now the world has decided to the contrary. If there is a maxim established in agriculture, it is that of the rotation of crops, to meet this very requirement of exhaustion by the same grain. There are some exceptions where wheat and oats and doubtless other grains have been raised for many years in succession with success. But these exceptions only prove the fact that the soil is not exhausted for the land where they are grown is of great depth and richness and drainage to prevent hurt in tillage keeping the mechanical part good. Side by side, ordinary soil would follow the ordinary rule, the crops would deteriorate if continued in succession. If three taken from six leaves three, then a certain amount of matter taken from the soil leaves that much of matter, and if continued more and more, it would exhaust it. What are we then to expect from this very rich land - rich in the qualities to raise a particular grain if you please - if cropping is continued on, and will it not exhaust it? If not, then the common facts of philosophy are at fault, and the great Bacon made a mistake when he laid them as a basis. Happy the man who can raise successive crops of any grain, for he has good land, unusually good and deep. But let him not try to encourage farmers to raise crop after crop of wheat or oats for a long time, for he can not do it, they know he can not, and he is not a philosopher, but a farmer, and he is not a philosopher, but a farmer, and he is not a philosopher, but a farmer.

**MANURE FOR ORCHARDS.**  
Wood ashes are doubtless excellent being spread over the whole land. But where are the ashes to come from in this region? We have little or no wood, and instead of wood, we have manure. In our limited experience we have learned one thing in regard to orchards as well as fruit trees of every kind that we have cultivated, and that is, the fertilizer on the soil applied gets upon the face of the earth, which is, that the application of manure benefits them all. Ground compost with fruit trees should be used in many sections that apply them unprofitably and to become worn-out prematurely. And as to the kind of manure with which orchards ought to be treated. While any kind, and without exception, will prove of advantage, there is no one in the world to be compared to stable or barnyard manure. A liberal application of this only every third year, with careful pruning, will make a prodigious change in a few years, and in December, if the ground is not frozen, is perhaps the best time to apply it.

**AGE OF SHEEP.**  
The age of sheep may be known by examining their front teeth. They are eight in number and appear, during the first year, all of small size. In the second year the two middle ones fall out and their place is supplied by two new teeth, the largest teeth of the set, and the largest of size. In the third year, two more small teeth, one from each side, drop out, and are replaced by two large ones. In the fourth year, the large teeth are replaced by two more, and only two small ones remain, one at each end of the range. In the fifth year, the remaining small teeth are lost, and the whole front teeth are large. In the sixth year, the whole range is worn, and the teeth are sometimes sooner, some fall out and are broken.

**How to Preserve.**  
An exchange says that if hot tar is applied to boots it will make them water-proof. Let it be as hot as the leather will bear without injury, applied with a swab, and drying in the sun. The operation may be repeated two or three times during the winter, if necessary. It makes the surface of the leather hard, so that it wears longer, as well as keeps the water out. It is a good plan to provide boots for winter during summer, and prepare the soles by tanning, as they will become before they are wanted to wear, almost as firm as horn, and will wear twice as long as those unprepared.

**Profits of Cranberries.**  
The Salem (N. Jersey) Standard states that a bog within its knowledge in that section, yielded this year, two hundred and four bushels on half an acre. At \$4.50 per bushel, the net return was over \$900, after deducting all expenses, they must yield a very large margin of profit.

**To Clean Knives.**  
Cut a good-sized solid raw potato in two; dip the flat surface in powdered lard, and rub the knife-blades. Stains and rust will disappear.

**THE UNDERSIGNED, HAVING**  
In the town of Towanda, Pa., in the county of Warren, Pa., I have opened a new store for the sale of all kinds of Groceries, Teas, Coffees, Sugars, Starch, Salt, and all kinds of Groceries. I have also a large stock of Groceries, Teas, Coffees, Sugars, Starch, Salt, and all kinds of Groceries. I have also a large stock of Groceries, Teas, Coffees, Sugars, Starch, Salt, and all kinds of Groceries.

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