THE POTATO BLIGHT.

The potato blight is a disease of the leaves, stems and the potato itself. It begins with blackish spots on the weather and may appear at any time after the plants are from four to six the Bordeaux mixture is considered to be the best. Galloway's formula for making and applying this is as follows:

* Pour into a forty-tive gallon barrel about thirty gallons of clean water, then weigh out six pounds of bluest ne or copper sulphate, and after tying it in a piece of coarse sacking, suspend the package just beneath the surface of the water by means of a stick laid across the top of the barrel. In another suitable vessel, such as a tub or half barrel, slack four pounds of fresh lime. Slack the lime carefully by pouring on small quantities of water at a time, the object being to obtain a smooth, creamy liquid tree from git. As soon as the bluestone is dissolved, which will require probably less than an hour, pour the lime milk into the bluestone solution, stirring constantly to effect a thorough mixing; add enough water to fill the barrel, stir again, and the mixture is then ready for use. Pour into a forty-tive gallon barrel about mixture is then ready for use.

WHEN AND HOW.

Apply this mixture when the plants are about six inches high, and repeat five or six times at intervals of twelve or fourteen days. If it rains apply oftener. It is important to keep the plants covered with the mixture. Potato beetles may be killed at the same time by adding four ounces of Paris green to each barrel of the Bordeaux mixture. Thorough work must be done. The knapsack sprayer to be fastened on the back, is a good machine The knapsack sprayer, For small field-garden syringes or even a pail of water and a straw broom, will answer fairly well if plenty of the mixture is applied.

COST AND FEELCH

It is estimated that potatoes may be sprayed not or six times at a cost or about \$6 to the acre. It pays to spray, because even in a year when the blight does not give much trouble the Bordeaux mixture will keep the plants green and thriving longer and so interest of the well. crease the yield.

AMONG OSWEGO COUNTY STRAW-BERRY GROWERS.

(Written for FARMING by John CRAIG, Ithaca, N.Y., late Horiculturat, Experimental Farm, Ottawa.)

A recent visit to the strawberry growing section in the vicinity of Uswego, N.Y., and along the shore of nted out important advances made in the course of the evolution of this industry. I take it for granted that strawberry-growers generally know something of the magnitude of the strawberry interests of this region. Away back in '75 this berry was grown here in a small way, marketed in boxes holding four to six quarts, and packed in huge two-men-to-handle crates. The growth of the industry received a tremendous impulse twelve or thirteen years ago, when the markets of Boston and New York were opened by means producers. The scene is original and of a refrigerator car service—more or striking. The buyers bustle round, less imperfect at first, but gradually and soon the lines of waiting sellers improving, till to-day, when berries are landed in Boston in perfect condition making their way towards the rethe morning of the second day from frigerator cars waiting on the not far Oswego. This success has been distant railway track. Oswego. achieved by observation and experi- Strawberry growers are, as a rule, ment. The cars are iced the day be- not happy this year. Large production fore loading, and re-iced when filled. and low prices will lessen the area and for feeding I say that the animals purare able to recognize the force of WagThe well-ventilated strawberry crate the number engaged in the business chased from farms impoverished of ner's statement that clovers, peas and lends itself readily to the cooling pronext year, but in this, as in other lines their "bone earth" by cattle raising vetches cannot make use of the free cess. It may be noted that the icing of earthly struggle, the fittest will surcome to us "bone hungry," and utilize nitrogen of the atmospheric air while of the cars is usually overseen by a vive.

local man who has a stake in the ship- PRINCE EDWARD ISLAND NOTES.

CLASSES OF GROWERS.

One observes two classes of growers, leaves and ends with rotten potatoes. viz, (1) those who grow for quantity It spreads rapidly in warm and moist and a general market, and (2) those who aim to produce fine quality and The who cater to a personal market. mehes high. For all forms of blight first usually has a larger area of standard varieties grown in the broad "matted row," while the second selects varieties of attractive appearance and good quality, and grows either in "hills" or "narrow matted rows." The relative profits from the two systems depend largely, no doubt, on the business ability of the manager or owner. An exceedingly handsome field, composed entirely of Marshall, was seen near Oswego. The plants were set originally 3.4x30 inches apart. Each plant was allowed to make four run-The rows were not wider than 12 inches. The berries in this field were a sight to make one's mouth water, so uniformly large, glossy and handsome were they These berries were graded, each box faced, and finally wrapped in parathn tissue paper before being consigned to the crate. "Does it pay?" said I to the grower. "It suits me pretty well," was the an swer, accompanied by a self-satisfied These berries bring 10 to 12 cents when Bubach were selling for 7 and S cents

SOME NEW WRINKLES.

One grower, who grew chickens as well as strawberries, found that the young strawberry bed and the young flock of chickens agreed wonderfully well together, so the chicken coops were distributed throughout the eightacre strawberry patch of this spring's setting, and how the young Leghorns and "Plyms," enjoyed following the B₃ 1. C. Wallace & Fraser), Toronto, Ont. and St. John, N.B. cultivator! This patch is an unhealthy place for cut worms and pure bug grubs.

VARIETILS.

I am informed by a prominent grower that a canvass of the strawperry growers three years ago resulted in the naming of over forty varieties. The favorites were the following in the Lake Ontario, impressed me with the order named: Bubach, Warfield, then, says Mr. Davis, many others have come to the front; among these are the Marshall, Brandywine, Wm. Bilt and Carrie. Wm. Bilt rusts badly in some soils. Carrie and Marshall are, par excellence, among the handsomest and best in quality.

THE OPEN MARKEI.

This is found every afternoon in the town of Oswego. There come the buyers and hither flock the non-shipping are broken by those who have sold

By A. E. MACNELL

The beautiful rains continue, and, as a result, everything is growing at a rapid rate. Other years our crops, especially the hay crop, suffered on account of so much dry weather, but it is entirely different this year. The it is entirely different this year. rain is doing untold benefit to the potato patches, as it hinders the bug from laying its spawn and, even if it is laid, it cannot hatch only in dry weather; this will help tide the plants over the stabe for hilling there will not be so much chance of damage.

The turnips and mangels are growing rapidly; and along with those, alwaysdetestable weeds, which cause so much toil and worry. The horn fly, which has become a familiar acquaintance, though not in such numbers as last

The supply of milk at the cheese buildings will have to be enlarged to make room for more vats. The output bids fair to be almost double of what it was last year. The farmers are greatly displeased that binder twine is going to be a higher price this fall than last, especially since it has been put on the free list.

diseases in animals; he also is exam ining herds for tuberculosis.

In my next I will endeavor to deal with the subject "Farming as it has been practised in Prince Edward Is

INTENSIVE FARMING.

\ reply to Mr. MacPherson: Farmers Should Raise Their Own Stock.

not alter the true definition of "In tensive Farming" which I gave in my first article on the so ject, page 312, FARMING, May 17th, but it lays stress subject, with this one as my answer.

the honor to address the stock raisers, the farm. who are by far the most numerous class, as well as the farmers, who are us we can readily understand the imtraders and feeders. To the stock mense increase in yield, and the still use of phosphate, repair the loss of crops manured with an available form "bone earth." To the buyers of cattle of pure phosphate. In this also we

phate of the feed and fodders we raise, or buy outside for them, that their manure, upon which we depend, is so deficient in phosphate that we also must employ means to repair the damage to our farms.

If animals are in perfect health, and the food they take is all in such a form that they can perfectly assimilate it, and the quantity taken into their stomachs only a small fraction over what they can make use of in their systems to perform their functions, so that, in fact, there is no wasted food, stage in which the bug hinders them the condition of their manure will so much, and once they reach the simply represent the continuous waste of their systems. That waste, in such a case, does not include phosphate or bone making material, except to a re-markably small extent. This, of course, is an impossible state of affairs, from a practical standpoint at least. What I wish to draw attention to is-that the has again made its appearance, small amount of phosphate found in stable manure is from the undigested food which is expelled. Then the unutilized balance of the phosphate of factories is rapidly increasing and the the food which returns to the farm is not some new element added to the soil. It is, as it were, the soil brought up and chewed over, and perhaps made more available for the next crops. The same may be said of the nitrogen and potash not assimilated. But, while the animal lays up in its bone and (in the case of the dairy cow) gives off in W. H. Pethick, V.S., Government its product nearly all the phosphate it Inspector, is addressing the farmers assimilates from its food, it is different on tuberculosis and other contagious as regards the nitrogen and potash. Only a small portion of the nitrogen, and none of the potash, is stored in the bone, though a fair proportion of them is given off with the milk. The largest portion of these latter elements assimilated is utilized in the fleshy and liquid parts of the animal, which are continually wasting as they are making, so that in the course of the animal's lifetime on the farm nearly all potash and nitrogen consumed is returned in the shape of excrement (manure). Of The article I am called upon to all the animals on the farm, then, the answer is important, in that it calls dairy cow removes the most fertility, particular attention to the very vital though probably the horse removes the question of profit in farming. It does most phosphate and nitrogen in actual weight of bone.

Most soils that we have to deal with in farming are, fairly speaking, deficient in phosphate, and what they have is progress of specialism in fruit-growing, Haverland, Lovett, Parker Larle. Since on the rational employment of business mostly in such an insoluble form that methods. I ask every reader of this the cultivated plants we use in farming article to read my former article on the cannot assimilate it sufficiently for perfection. The result is that, no matter The conclusions suggested by Mr. how much nitrogen we may add to the MacPherson's arguments, if they are soil by plowing down clovers, or return sound, are either that there is a sur- to the soil by the animal manures and plus of horned stock, or that they are straw, or how much potash we may rebeing produced at a loss of fifty per turn through the manure and straw to cent. This is a serious question for add to the already abundant supply in stock raisers, and one which demands most soils, these elements are not their earnest attention, and I hope we thoroughly taken up by the plants, may hear from them on this subject. which suffer from insufficient phosphate, In urging farmers to use rational owing to its being drained from the soil methods of manuring with a view of by the requirements of the bony strucpresent and future economy, I have ture of the animal life fed on or from

> With this view of the matter before raisers I say we must, by the greater increase in feeding value, in such a large proportion of the phose they suffer for want of phosphate, but