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H. F. LINDE, Box 44, WADENA, Back

### \*\*\*\*\*\*\*\*\*\*\*\*\* HORTICULTURE

} \* Machinery and the Potato Crop

V. Patch, Jackson, Mich., U.S.A. V. Patch, Jackson, Mich., U.S.A. Although the potato has been grown in England for 300 years, it has been cultivated generally only for about 100 years, which is also true a Canada and the United States of America. Being the only vegetable that contained starch in any consider-thal contained starch in any consider-thal contained starch in the smallly canada.

America. Being the only vegetable that contained starch in any considerable quantity, it has rapidly gained a place with the cereals also plays and respectively as a respective place of food. Nor is the potato on substitution as a food stuff—it also plays an important part in the production as a food stuff—it also plays and pared starch and in some countries in the manufacture of denatured alcohol. No other field offers such an inducement of the substitution of the substitution of potations, and the field offers such as induced as to the farmer, if he has suitable soil, as the field offers such as induced as to the farmer, if he has suitable soil, and the field offers such as induced as the substitution of the soil of the substitution o 10 it was an especially good paying crop the following season.

MAKING THE CROP PAY.

The introduction of labor saving The introduction of labor saving machinery for handling the tuber is what has made the potato crop a paying one, as it is entirely out of the question to try to raise them without the proper equipment. The extensive the proper equipment. The extensive grower can very easily afford to in vest in an outfit of these machines. It yest in an outfit of these machines. It is the small grower that hesitates. Often this obstacle can be overcome by several growers clubbing together and buying a machine.

oy several growers chubung together and buying a machine.

The planter will plant from five to eight acres a day; hence eight or 10 farmers with an average of 10 acres get their crops in very little tool and should always accompanie. A cutter is a very useful little tool and should always accompanie. The planter.

In Aroostook County, Maine, U. S. A., where potato growing has been the leading industry for some years and they have made a special with the planter, and they have made a special was been as high as 480 bushels and has been as high as 480 bushels and one acre, while in the irrigated districts in the west of the United State of America the acreages have been even greater. the acreages have been even greater. However, the Earl of Rosebery, the potato wizard of Scotland, certainly potato wisard of Scotland, errising beads the list, reporting the state of the stat

good profit to the grower even at a moderate or low price.

There is necessarily much labor in raising potatoes after the planting is over, as in nearly all localities now the potato bug and blight means the fought, and if any considerable acreages are put in it must be done because the property of th

FIGHTING BUGS AND DISEASES.

For fighting the potato bug, Paris green is, of course, the old stand-by, but a good many are now using ar-senate of lead, claiming as an advan-

tage in comparing with Paris green that it will not burn the foliage. It is also said to be stronger, hence more effective, and at the same time is less expensive. For blight, Bordeaux Mixture still seems to be generally considered as the best. The important thing in spraying is to spray early for it must be remembered that spray for it must be remembered that spraying is a preventive rather and a cure. Just at this season this is the all important subject for the funding his other crops demand more that the sound not neglect it, thinking his other crops demand more many subject to the control of potatoes at harvesting the potation of potatoes at harvesting the potation of the season of th

grown without labor and much of it, yet by using the proper equipment it will—taken one year with another— bring the most remunerative returns of any crop the farmer can put in.

There is a feeling among certain orchardist that the formulas for spraying mixtures can be changed at will. This is a mistake. The wiser plan is to leave the formulas alone, and to mix the ingredients in the proportions and manner recommended by experts. and manner recommended by experts. There is chance of danger in meddling with the standard formulas, especially by persons unacquainted with the chemistry and effects of insecticides and fungicides.

#### The St. Lawrence Apple

In my orchard, I have two rows of St. In my orehard, I have two rows of St. Lawrence apples, which are not bearing. They are about 29 years inches in dhealthy, over eight to nies inches in dhealthy, but and a straight of the state of the straight of the state of the straight of the state o

The St. Lawrence apple is not, as a rule, a good bearer, and that is one rule, a good bearer, and that is one reason why is not more grown. Our experience here not have the some conditions, however, the same conditions, however, the same conditions, however, the same concept as the same conditions, however, the same concept as the reason conditions, however, the reason condition of the same conditions, however, the same conditions are same conditions. It is naturally a strong growing the growth as the same conditions are same conditions. The same conditions are same conditions and the same conditions are same conditions. being cultivated, we would suggest leaving it in sod. Some summer prun-ing might also be done in order to check the growth. The case in ques-tion seems to be an extreme one, but, as stated before, the St. Lawrence is a anturally sph bearer.—W. T. Ma-coun, Horticulturist, C. E. F., Ot-

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