

Ringlet

mouth Rocks.

ners at Mad-

ison Square

Garden, New

York Poultry

Ply-

Win-

Barred

Prize

Show.

About the first of June is the time to stake your tomatoes, speaking generally for the United States. This article would have been more timely had it been printed a month ago, but even if it can be remembered for next year's operations in tomato growing. the writer will feel more than compensated, since for at least small tomato patches the plan here suggested has been proven by him to have several advantages.

Some years ago I attempted to grow seven acres of tomatoes in Southern Florida-Polk County-for the northern winter market. The tomatoes were planted in November. It was the winter of the great freeze, which swept Florida from stem to stern and obliterated all "frost lines"---the first occurred December 28th, just on top of a balmy Christmas Eve spent on the plazza in summer clothes. On that day, the thermometer in this "frost proof" region descended to 18F. with a blting northwest wind. Thousands of acres of tomatoes and egg-plant were cut down to the ground. For tunately for my partner and myself we were from the region where Jack-Frost holds annual sway and we had maintained a seed bed in spite of the jeers of our neighbors. By the use of fer-tilizer sacks, all the bed quilts, sheets and clothing we had, and half a dozen fires to windward, we managed to save some seven or eight thousand young tomato plants, and thus when the frost king had passed on his way, we had a start over our neighbors of from eighteen to twenty-four days in growth.

A SECOND FREEZE.

We had visions of wealth. Instead of seven acres, it is true, we had plants for only about a single acre each, but we expected eight, ten or twelve dollars a crate for our tomatoes, instead of two or three dollars. because all Florida had been wiped out. Unfortunately, in this instance, the lightning struck twice, and in February, just as our plants were blossoming and beginning to form fruit, a second and equally severe freeze struck into our midst, and again the entire agricultural section of Florida, with the exception of a very small acreage on the southmost keys, was frozen to the roots. However, in this instance the Weather Bureau was on the lookout, and about nine o'clock in the evening we had information that a severe northwest blizzard was rapidly moving down the State.

Necessity, as usual, proved itself the mother of invention, and my partner. Mr. C. G. Stephenson, of Herndon, Wa., and myself strapped lanterns to our left legs, and with a big cotton hoe each, tramped up and down our long rows of tomatoes and with a single dig and pull, for each plant, covered the blossoming tomatoes with nearly a square foot of the loose Florida up-land saud, in which the winter tomato is grown.

By two o'clock we had finished our leaving of course the blossom stems. In other words simply train the tomato task and we thought we were somewhat tired; but this effort was nothing the it up close to the stake. During the

moisture and sustenance which the the whole West. People imagined that roots collect, instead " producing ten or twelve pounds of useless growth will go largely into the formation of fruit. Clusters of tomatoes will hang thickly against the stake; they will scanned at its finish for a more care-secure the full benefit of the sun's ful study of these conditions. So far located at Winona Lake, Ind. It is one genial warmth; there will be no rot-ting; he ripe fruit can be seen at a glance; the tomatoes will be larger,

We tried the scheme and it repaid us well. Since my return to the North I and there will be few, if any, very have each year followed out this idea, small ones; the yield per vine will be although it has been applied simply to as heavy or heavier, while if the planta garden plot of tomatoes. It is someing is made with this in view, the what revolutionary, and whether it is vines can be set considerably closer, practicable or profitable where you are as the moisture requirement will be far raising ten or twenty acres of this less than under the usual method

vegetable I am not prepared to say- where a great amount of leaf is pro-

garden proposition where you are rais- can be thrown into the fruit by pinch-

ing from fifty to one hundred plants it ing out the top bud after the vine has

has proven itself an ideal method of reached the height of the stake.

as can be learned at present, the increase in poultry culture through these states has almost doubled in the last six years.

> any of the Western localities. The ggs having the brown shells seem best suited to the West. The brownshelled eggs stand shipment better, from the fact that the shells are heavjer and stronger than those laid by the Mediterranean breeds.

> the great duck farms of Long Island,

New Jersey and Pennsylvania had

produced the duck supply of the coun-

try. The future census will be closely

The Brahma and Langshan fowls vere formerly most popular in these ections. The Plymouth Rocks and the Wyandottes being smooth, that is unfeathered, on the shanks, move about and forage for their own sustenance much better than the feathered varieties. The original Asiatics-the Brahams and the Langshans-produce the eggs having the darkest and heaviest shells. The Plymouth Rocks and Wyandottes having a considerable per cent. of Asiatic blood in their veins, produce a strong shelled egg, tronger than the white shells, assuring safer carriage a long distance to market. This is the real reason why so many of the eggs that are shipped in from Western parts have the former kind of shells. There is no difference whatever in the quality of the eggs themselves, no matter what White Wyanmay be the color of the exterior, yet it First is a well-known fact that the white Prize Pen at ones have the preference in New York Boston, 1905 City. To produce these, they must be grown nearer to the Metropolis to lessen the danger of cracking from long shipments.

> The general purpose fowls, the Plymouth Rock and the Wyandotte, have become a blessing to the poultry growers of the West and Northwest. They are strong and sturdy, with great ability to undergo more or less hardships and yet thrive. There is no question but that there are more Barred Plymouth Rocks grown throughout the Western country than all other kinds of standard-bred poultry combined. In France, the Houdan is the great market fowl; in England. the Dorking; but throughout the Great West the Plymouth Rocks seem to be accepted as the standard of

Another advantage of tais method of quality for market poultry. In adculture is that for a couple of weeks dition, they are such thoroughly good after the ordinary tomato crop, even if egg-producers during the entire year

dottes.

If the ground is rich and the plant

grows luxuriantly, its entire strength



OPPORTUNITIES.

For Young Men-Through Intensive Farming.

of the most promising signs of the era of a better agriculture; it was founded by the Winona Assembly, which is

commonly known as the Western The West is more largely interested in the Plymouth Rock and Wyandotte breeds than in any other. The Eastern States seem to be more given to eral educational institutions that has the cultivation of Leghorns than are been organized by this Assembly. There is also a Technical or Trade School at Indianapolis; a Training School for Bible teachers in New York; and the Winona Park School for girls,

all of which are in a flourishing condition and the product of the efforts of benevolent men and women. The Winona Agricultural Institute differs from many other institutions of the kind in that it believes in training the hand in the pursuit of the practical work of preparing the soil, planting and raising crops, caring for animals and the study of the kinds, and in fact embracing and combining the practical and scientific towards the advancement of this important industry. Moreover its object is to train and prepare young men to gain a good livelihood from a small tract of land, placing the value in the boy rather than in the land. In other words, the student is trained to get the most out of a small acreage, as he is most likely to be forced from circumstances to start on a small farm, which may be increased in scope or the small farm exchanged for a larger one. Thus it will be seen that this plan offers a much larger per cent. of success to the student than if his training was all based on the obtaining of a farm consisting of from forty to one hundred acres.

The class room and practical work is in charge of practical men, who have had exceptional training for this work. The Dean of the Institute, E. J. Hollister, is a soll expert with a national reputation and his past year's work at Winona Lake has been most interesting. The students realized from their farm and garden crops on forty acres of land last year \$1,800.00, and this work was all performed by the students themselves with the exception of the employment of two extra men and the engaging of the services of eight students to remain and look after the crops and do the marketing during the holiday season. Even this business was all carried on by the students under the direction of one

of the professors. That is to say, the boys raised the crops, marketed them, handled the money, and the success of the venture, both from a financial standpoint as well as the training the boys got, is being used as a basis for enlarged operations this season, all with the view to bring the students in closer touch with all the agricultural processes, supplementing the practical work with a course of lectures and studies that will simplify the science of agriculture.

The Dean has been engaged in expert practical work with soils and plants, the transporting and marketing of crops over a wide range of climate with a variety of soils, embracing many portions of that area which lies

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Seeking as we always do, to give our readers the best of everything, we are about to offer you in serial form, the unusual and absorbing story, entitled

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possibilities there are in agriculture. Trained men for extension work are now in great demand. We can help you make your own future.



In Save a Lot of Wo

Can Save a Lot of Money

Can Increase Your Co

ELECTRIC STEEL Wheel

to the job of digging out the plants on the two succeeding days. The small of my back still creaks in remembrance of the straightening up periods at the end of each row.

of Southern Florida, began to warm the fingers. the air, as upon a rare day in June, we each found ourselves with about 34 of an acre of rather dilapidated but still thrifty and little damaged tomatoes, far advanced over those of the surrounding fields.

PRUNING TOMATO VINES.

throw out numbers of axillary suckers | ruthlessly remedied. Once well started

season of growth three or four ties will suffice. We tried using a sharp knife to cut off the suckers in the belief that yanking them off by the ingers would injure the main stem, but event-Finally, after the two freezes had ually came back to the Crystal Springs done their worst, and the genial sun method, where everything is done by

pruning and cultivating that 34 of an duced.

acre in Florida kept me hustling as I

had never hustled before-but as a

culture. The directions are these,

simple in the extreme, but requiring

rather close attention, as once well

started the tomato is a rapid grower.

By the time the plant forms its first

blossoms, have a slim stake six feet in

length-in Florida we used pine sticks

about one inch square-with a crow-

bar, or a heavy mallet stake your to-

mato firmly. Take an ordinary piece

of grocers' soft cotton twine and the

the stem close to the stake. We ex-

perimented with tape and heavy cord,

but found that the ordinary, five-cent

a ball, white twine sufficed, and that

there was no danger of injuring the

stem of the plant. Then go through

the rows and pull off every sucker-

vine to a single stem, and as need be

SINGLE STEM PLANTS.

There will be strong temptation, should the vines get three, four or five days start, and one of the suckers or branches becomes almost as big as the main stem, to let it grow, in the belief that it will injure the vine to The tomatoes were beginning to remove it, but such mistakes should be

just above each leaf. It was my turn, the tomato is one of the toughest and one day, to drive the white mare to sturdlest growing vegetables-a horse town and get a supply of grub-we can step on one without much damagwere camping. By chance, I ran ing it-and there need be no fear across an old stager who had drifted about tearing out even the large suckdown to South Florida from the region | ers which have developed four or five

SHIPMENT OF CHICAGO PLYMOUTH ROCKS AS RECEIVED AT SYDNEY, AUSTRALIA.

tled up in the usual method, is "laid | as to make them prime favorites, and tomatoes, and with his hoe set very farm. shallow, can keep down any weeds which may rob the plant; of their full

share of moisture. Rows of tomatoes, grown in this manner, present one of the most at ractive sights imaginable. Rather than a tomato patch they look like a

young orchard, laden with a plethora of ripening or green fruit.

Poultry Growing North and West.

The chief center of poultry growing upon the farms and by small establishments devoted exclusively to the producing of eggs and poultry for market, is located in that portion of the coun-try now called the North and West, in which we must include Missouri, Kan-

It is not usually known that Missouri, Iowa and Kansas are the greatest producers of poultry of all kinds, including waterfowl, and that Michigan and Wisconsin are becoming the greatest of all goose-producing sections of the country.

Northwest are grown thousands upon thousands of young fowls that are hatched and cared for with reference to having them of the proper size for ranging over the wheat fields as soon as the harvest is in, and are later gathered up by the pur hasers of the creat poultry-killing establishments of Kansas City and other centers. These young fowls are taken away and shipped to the killing rlaces prior to the beginning of the cold rigid weather of, the North, only leaving for the care of the farmers during the winter months a sufficient number to produce ggs for the next summer's crop.

Wisconsin and Michigan produce large numbers of geese, grown for their feathers, and then shipped away to the Eastern States, where they are fattened and sold to the City markets. Missouri and Kansas have become great egg-producing centers of the West, It is claimed that more eggs and more dressed poultry are shipped from some of the gathering stations of Mis-

by," the gardener with a wheel hoe an excellent selection for all purposes can pass through the rows of staked for which fowls are kept upon the

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in the East, continuing westward even You can free a moth-infested closet to taking up those parts of the semi-of the "creatures," larvae and eggs, by arid west where farming is carried on pouring hot vinegar into a red-hot iron under irrigation, training young men or tin pan set upon hot bricks in the to get a living on a small acreage, closet. Shut the door as soon as the demonstrating that ten acres may be vinegar hisses upon the heated surface made to produce a greater income than of the pan, and don't open again that a twelve hundred dollar salary in the day. city.

between the foot hills of the Rocky Mountains and Long Island in New York State, and from the central part of Canada to the Everglades in Florida, and is now in addition to his work at Winona directing the reclamation of a large tract of tidal lands on the Connecticut Coast. He imparts this and other important features of his experience to the students, and is anxious to prepare young men to take up this expert work and intensive farming. He is a thorough believer in the extension of our prosperity and the increase of the strength of the nation through the development of our agricultural resources, and deals with the problem from a practical point of

view. He is anxious to inaugurate a

movement that will begin with the

improvement of the abandoned farms





nated by dust and impurities.

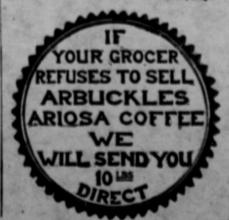
You will find it to your advantage to buy from us direct if your grocer refuses to supply Arbuckles' Ariosa Coffee. For your protection to positively in-

Even an expert cannot distinguish by its appearance roasted Java from Bra-ilian Coffee. Then how can you know that you get your money's worth when you buy loose grocery-store coffee on looks and the price mark? You don't know, and the grocer does not know, for "cup" quality is not visible to the eye, and he cannot show it to you. Refuse loose scoop coffee I You may be a scoop coffee I at to you. for "cup" quality is not visible to the eye, and he cannot show it to you. Refuse loose scoop coffee! You may be sure that all coffee deteriorates when ex-posed to the air, and is easily contami-Ariosa ourselves every day with the best coffee in the world to choose from.

If your grocer refuses to sell you Arbuckles' Ariosa Coffee, send us express TOMATOES TRAINED TO SINGLE STEMS. (After Photograph.) rystal Springs, Miss. He told me be tomatoes were not only ad-be tomatoes were not only ad-be tomatoes were not only ad-better to keep the vines pruned down labor was required, but the re-sult sing pruning each plant. The single leaves will de-pruning each plant. The single leaves will de-the plant each plant

What is the use of paying 25 to 85 cents a pound for coffee that may not be

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vanced in ripening from five to seven clo

and pruning each plant.

of Crystal Springs, Miss. He told me leaves, and even incipient blossom of the methods in that vicinity, by clusters. However, it is of course which tomatoes were not only ad- better to keep the vines pruned down

days, but increased in yield. Much more labor was required, but the re-ults ware more labor was required, but the re-

T. F. McGREW.

sas and the great Northwest.

Upon the vast wheat fields of the