

**FARM ORCHARD AND GARDEN**  
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REGISTER. ROCKFORD, I.A.  
CORRESPONDENCE SOLICITED



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**A CONVINCING DEMONSTRATION.**

A reader of these notes living at Le Raysville, Pa., sends us a clipping giving a brief summary of the potato spraying experiments which have been conducted by the experiment station at Burlington, Vt., during the past eighteen years. The showing is such an excellent one that potato raisers will be glad to hear about it. Thorough spraying with the bordeaux mixture, blue vitriol, lime and water made up in the 5-5-50 recipe twice yielded 67 per cent more and spraying three times yielded 141 per cent more than the unsprayed. During the eighteen years that the station has used the bordeaux mixture there has been an average increase of 92 per cent, or 112 bushels, per acre. The lowest increase in yield was 26 per cent and the highest 215 per cent in seasons when there was much dampness. The varieties experimented with were the White, Star, Polaris, Green Mountain and Delaware, and these when unsprayed yielded from 54 to 267 bushels per acre under least and most favorable conditions, while sprayed the returns varied from 133 bushels to 289 bushels per acre. These figures should be scanned twice by the fellow who pretends to raise potatoes on a commercial scale, and even for the home garden the precaution is well worth while.

**A SURE HOG CHOLERA CURE.**

Experiments which have been conducted by experts in animal disease at the Kansas City stockyards with a view to giving the new serum cure for hog cholera a still further test seem to prove beyond doubt that it is both effective and reliable. At the beginning of the test, which extended for thirty days, thirty-five hogs were placed in an isolated pen, twenty-two of which were inoculated with serum, four with virulent cholera blood and the nine remaining given no treatment at all. During the period all the hogs which were not vaccinated with the serum died, while the twenty-two that had been inoculated did not contract the disease at all, but were alive and healthy at the close. In order to give the new cure the severest test the treated hogs were subjected to the most aggravated type of exposure, hogs that had died of the disease being left in the pens for periods of two or three days. Dr. L. R. Baker, chief of the government inspection department at Kansas City, had the work in charge and in conjunction with his assistants will shortly make a full report of the experiments to the department of agriculture, which will in turn give the matter still further publicity.

**SOMETHING TO WORK FOR.**

A seed of young fellows don't fare any better than they do in a financial way because they spend every cent they earn just as fast as it comes into their hands. The outcome of this is that, saving nothing, they have nothing ahead toward which to strive and naturally feel unprepared to tackle any business proposition requiring capital or to make definite plans to have a home of their own, both of which influences would tend to have a steady and uplifting influence on their lives. The average young fellow, plugging along alone without any well defined object in life, often has spells when he questions whether the mere feeding and clothing of himself is really worth while, and in too many cases his doubt would seem to be justifiable. It is only when he gets to working for something or somebody outside of himself that life has zest and meaning. A savings fund laid aside for some definite purpose, perhaps the starting of a home or the helping of some friend or relative in need, is a boon which thousands of young fellows ought to avail themselves of. The start may be hard, but the rest is easy. The second hundred dollars is often easier saved than the first ten.

**THE NEED OF SHADE.**

During the hot weather of July and August this year there appeared in some of the central western states accounts of cattle in pasture being killed by the intense heat. In most cases where such losses were reported there was no shelter for the stock from the glaring rays of the sun. In one instance all of a herd of twenty-three died, while in another some fifteen perished, the animals when found being piled up one upon another in an effort to reach a mere patch of shade hardly sufficient for a single animal. Losses of this type would seem to suggest the wisdom of providing shade of some kind in the pasture lot so that on especially hot days the stock may find refreshing shelter there. Where a grove is not available shelters of some kind should be erected, which may be left open on two or three sides so as to permit of a good circulation of air. This item is too late to help out any this year, but it may serve as a reminder for next.

The hazelnuts which the children gathered this fall will taste mighty good by the winter fire.

Good management on the farm as well as in the home consists as much in knowing what to let go as in what to do—in other words, in the power of discrimination.

Just why it is so we have never seen explained, but fruit that is grown on sandy land seems to develop a brighter color at maturity. In selecting an orchard site it is therefore well to keep this point in mind.

A British abortion remedy that is said to be very effective consists in giving animals subject to this ailment two drams of pure carbolic acid well diluted in water in soft feed every other night during each alternate fortnight during pregnancy.

Better a little dirt on the kitchen floor and a bright smile for the tired and hungry husband when he comes in from a hard day's work in the field than floors white as scrub brush and elbow grease can make them and a cross and irritable wife with the back ache.

In a good many years' experience in the feeding of silage there has been virtually no evidence forthcoming that it is in any way injurious as a feed for cattle. More than this, it is relished by the other farm animals, and all seem to thrive when it constitutes a portion of the regular ration.

Before the hot fires of the early winter are started in heater or furnace it is a good idea to inspect the flues and see if the brick and plaster are substantial enough to last until spring without repairing. It is an easy matter to overlook because it is quite out of sight, yet an important one notwithstanding this fact.

The highest price paid for heaves on the Chicago market this season was \$8.30 for a bunch of native steers weighing 1,600 pounds and finished for the market at Bloomington, Ill. This means that a single animal of this weight cashed its owner \$137.80. In the words of the hapless little negro in the comic supplement, "This makes a noise like prosperity."

There seems to be a pretty well settled opinion that while seed corn will retain its vitality if buried in an oat bin it will not do so if the ears are hung over the bin above the oats. The reason for this seems to be that in the first place the ear is kept quite dry, its moisture being absorbed by the oats, while in the second instance it gathers enough moisture so that hard freezes kill the germ.

The fellow who puts off the securing of his seed corn until he is afield with a husking wagon the latter part of November or December may be trusting Providence for a good stand of corn next season, but has mighty little ground on which to base any such confidence. In this as in some other familiar experiences the Lord helps those who stir around and do most to help themselves.

While a chicken will roost on most any old thing, from the edge of a barrel to the reel of a reaper, a glance at the shape of the foot when it clutches a support shows that to be comfortable the roost ought to be nearly round. While straight and even poles about two inches in diameter with the knots trimmed smooth will do nicely if one can get them, a pine 2 by 2 with the corners rounded off makes an excellent perch.

Oranges grown in some portions of Mexico are infested with maggots, the larvae of flies which lay their eggs in the skin of the growing orange and hatch by the time the fruit is ripe and have a fine time in the pulp of the orange until they emerge as fully developed flies. For this reason California, with her immense orange growing interests, has placed an embargo on Mexican oranges as well as nursery stock, so much is a spread of this pest feared. The maggot is white in color and is from a third to half an inch long.

Washington rated agriculture as one of the noblest and most useful of pursuits in a day when the methods followed were crude and the results attained meager. Today it occupies a still more exalted position and in a very true sense furnishes the means whereby we are able to subsist as a nation. The time is fast approaching, if not already here, when an increasing number of the brightest boys and girls of the land will look to agriculture and horticulture in their general and special fields as callings which they may enter with ample equipment of intelligence and energy, knowing that in return for the same effort necessary for success in professional, business or clerical pursuits they will reap a generous and substantial reward. The conditions to be found in rural life may and ought to be healthful, wholesome and uplifting—nay, even inspiring—if the right spirit is brought to its activities. Notwithstanding the progress made in the past fifteen years, there is as yet but a meager showing of the possibilities of the highest and best type of agriculture. It is the one great field of effort, tremendously wide and roomy, which has not yet been exploited and exhausted. The door of opportunity swings wide for those who would enter it, promising a type of life, though fraught with hard toil and some discouragements, at once the most health giving and independent of those pursuits which young men and women are entering today.

At the rate which automobile accidents are chronicled it begins to look as though the old saw "The fools are not all dead yet" would soon be untrue.

Cows and clover in some form are the two best agencies known for resting and regenerating tired and worn-out soils. Many realize this truth; good many ought to.

It is fair to assume that work horses enjoy a frequent and refreshing drink of cool water just as much as workmen do. If they were remembered in this way there would be fewer of them giving out on hot days during harvest.

As a rule, the most beautiful colored autumn leaves are noticed those falls when heavy freezes hold off till late, the varied colors which the leaves of different trees take on being in way of a chemical change, the result of a natural ripening process.

Many a grower of produce comes to grief by rising to the bait of a little higher price offered by an unknown firm and shipping stuff which represents the best part of a season's work on which no account of sales is ever given and for which no pay is ever received. It is much better to play safe at somewhat lower price levels.

There is little excuse for the farm animal being afflicted with vermin or scab when there are so many effective dips and disinfectants on the market. Dipping tanks which will do for hogs, sheep and calves are on sale at most any agricultural implement house and are quite inexpensive. For larger cattle disinfectants may be applied in the form of a spray.

A flock of hens is doubtless better off from the standpoint of health if they sleep out of doors in pleasant weather in the same way that folks are if they sleep in the open air or in tents instead of in stuffy bedrooms. The hens may dislike being ejected from the henhouse for the first few nights, but they will soon become accustomed to the outdoor perch.

If the money which is annually spent by farmers in mining and other wildcat and blue sky enterprises were put into the purchase of better machinery, the installing of dairies and the hiring of more help to give the acres worked a more intensive tillage, more profit would be forthcoming from these improvements in a single season than from the aforesaid investments in a lifetime.

In latitudes where the winters are forbidding and tend to keep folks closely housed during the winter months it is a sensible thing to be out of doors during the fall and early winter as much as possible in order to store up vitality and energy to bear the more rigorous outdoor air of the colder months. Every chance that offers should be improved to breathe this fine, crisp, life giving air that is so characteristic these October and November days.

The designations "nigh" and "off" used in referring to the left and right hand animals of a team came into use because of the fact that the driver of the pioneer ox team used to stand when driving to the left of the left hand animal so he could wield a whip in his right hand, which was nearest the team. The customary position of the driver of a team of horses is on the right instead of the left side of the seat, with the result that the nigh horse is the one farthest from him and the off horse the one nearest.

According to figures which have been compiled by the Canadian forestry department, there is in the Dominion a total of 1,500,000 square miles of standing timber, but notwithstanding this enormous reserve there were set out in 1908 under the direction of the department 3,000,000 young trees to take the place of those felled, while a total of 10,000,000 little trees have been set out during the past few years. It would have been well for this country had a like policy been inaugurated when its timber resources were considered inexhaustible.

A good number of farmers in the vicinity in which the writer lives this year attended big state fairs in company with their good wives. This is the proper system—a practice which many another man might adopt with both pleasure and profit to those concerned. From the very nature of the case family and household cares tie a woman at home closely, and for this reason special pains should be taken to see that now and then at least she is given a change which will put a new element into her life and make more endurable the humdrum work of every day. In all too many instances the farmer's wife has too little recreation and too few outings, either because the man of the house is so selfish that he won't let her step off the place or so much of a tightwad that he does not allow her the money to dress neatly or to spend on a trip that she might like to take. Any woman who does the work that falls to a woman's lot to do on the average farm should receive just as much credit for its successful operation as her husband, who cares for the stock and tills the fields. On this basis she is entitled to outings as much as her husband and to the wherewithal that she may enjoy them.

*J. E. Trigg*

**Notice of Sale of Tide Lands**

Notice is hereby given that the State Land Board of the State of Oregon, will sell to the highest bidder, at its office in the Capitol building at Salem, Oregon, on December 14, 1909, at 10:00 a. m., of said day, all the state's interest in the tide and overflow lands hereinafter described, giving however, to the owner or owners of any lands abutting or fronting on such tide and overflow lands, the preference right to purchase said tide and overflow lands at the highest price offered, providing such offer is made in good faith; and also providing that the land will not be sold nor any offer therefor accepted for less than \$5.00 per acre the Board reserving the right to reject any and all bids.

Said lands are situated in Coos county, Oregon, and described as follows:

Beginning at a point on the meander line of the Coquille river at the northwest corner of lot 6, which said point is 1320 feet east and 1965 feet north from corners sections 17, 18, 19 and 20, running thence along meander line as follows, to-wit:

S 84° e 130 feet.  
S 74° 45' e 492 feet.  
North 36 feet to low water line.  
N 75° 15' w 257 feet along low water line.  
N 73° 10' w 232 feet.  
N 80° w 137 feet.  
S 100 feet to place of beginning, containing 1.31 acres, being tide land fronting on west half of lot 6, sec. 17, T. 28, S. R. 14 W. of W. M.

Applications and bids should be addressed to C. G. Brown, Clerk State Land Board, Salem, Oregon, and marked "Application and bid to purchase tide lands."

C. G. BROWN,  
Clerk State Land Board.  
Dated this Sept. 28, 1909.

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