lished principles g on the prairies. ese be observed. they have been t be too much

ghly prepared. ted with a view local conditions be cultivated for

gainst stock everything else soil well. Such v or root ground. tirely killed out ees are planted.



pecially avoided. it will lead to Do not manure rity of cases it

e that our choice h the varieties East. Manitoba several varieties rrieties. Among oruce, jack and ac, a deciduous

The above varieties do not exhaust the list

February 17, 1909

absolutely destitute of shrub or tree. This need pruning in a shelter plantation during the early all times. Something, too, for the hen to manufacture be. There is no difficulty nowadays in obnot be. There is no difficulty nowadays in ob-years should be strictly avoided. If one prunes taining plenty of planting material. There are up each tree to a single stem, practically no obseveral nursery companies now operating in stacle is opposed to the wind, the ground is not Manitoba, Saskatchewan and Alberta from whom properly shaded and natural conditions, which your hens, have a large shallow box, in which keep a seedlings of hardy varieties may be purchased it should be our object to maintain, are totally good supply of road dust, or sifted ashes, for dusting at moderate prices. If the settler cannot afford lacking. Such a plantation would require con- purposes to buy stock, he may avail himself of the free stant cultivation and would be of little value for distribution carried on from the Nursery Station shelter purposes. Pruning is permissible in only of the Forestry Branch at Indian Head. There exceptional cases, as for example, in a plantation are certain regulations governing this distribution consisting principally of maple with only a few which some do not care to observe, but these scattered tamaracs. In some places the comregulations have been so framed that at least paratively worthless maple might overcoved. I was a school teacher, but married a farmer. ninety per cent. of those availing themselves of some of the tamaracs. In these cases, light about the work, although I was always assured there this system are successful in growing good proving of the surrey of the this system are successful in growing good pruning of the surrounding maples would be the were lots of drudgery, with little pay wind-breaks and plantations.

in the meantime you can more thoroughly prepare ence among trees. and cultivate your ground," how often do we hear this answer: "I can't afford to wait. I shall lose a whole year." life of a tree? In most cases where a man tries variety for shelter belt purposes, but would like to save a year by planting before the ground is to call attention to the particular suitability ready, he sees his neighbor, who is wise enough of the different kinds of hardy tree-willows for to wait and spend that year in preparing his general planting. Any one purchasing, say, ground, a few years later the owner of a splendid a thousand cuttings, can form the nucleus of an plantation, while his own efforts have resulted extensive plantation. From this original exonly in a few scattered and stunted shrubs, penditure he can eventually get enough stock which detract from, rather than add to, the beauty to, if he should so desire, plant up his entire farm of his farm. Cases of this nature are unfortunate- without the cost of an additional cent for nursery Winnipeg ly only too familiar to those who drive much stock. The acute leaf willow, the golden willow through the country.

come in touch with hundreds of farmers wishing tings made in the spring, if planted in suitably to set out wind-breaks, and therefore, know from experience how little thought the majority of prepared soil. them spend on the laying out of the proposed to planting for fuel or other material. This is consulate at Vancouver.

the permanent nature of a tree belt, nor the fact most general interest. that in twenty years or so a well-managed plan- To sum up briefly, then: (1) Do not plant till paper. tation should be from thirty to forty feet high, the ground has been thoroughly prepared. (2) must remember that in a few years they will want (3) Remember that tree belts accumulate snow and injured three other people, one of whom may die. to erect more pretentious structures to keep pace drifts in winter, and keep the plantation thirty with the development of their farms. It is not to forty yards back from all buildings. (4) wise, then, to plan a plantation to surround merely Select only hardy varieties and insist upon the a homesteader's shack and sod stable. Keep in stock being Western grown. view your future requirements. Make provision If you cannot plant this spring begin now for a wind-break that will enclose a large barn to plan for planting in spring of 1910. yard, vegetable garden and ornamental plot in front of the house. Remember that the north and west are the most exposed sides and allow for a good wide belt of from twenty to forty rows, with the trees about four feet apart each way. On the south and east have belts of from five to ten rows. Also keep in view the fact that trees, as they develop, rob the adjoining ground of isture and plant food to the detriment of neighboring crops. So in planning the garden leave lots of room —in ten or twelve years you will Editor Farmer's Advocate: not be able to grow many vegetables within as many feet of your shelter belt. Leave room to high, is not a hard proposition if the hen is given a admit of horse cultivation and to allow a wagon chance to show what she can do. To begin with, to get in to haul away rubbish or bring in manure. don't expect hens that roost in a corner of the stable to get in to haul away rubbish or bring in manure. don't expect hens that roost in a corner of the stable terest and enthusiasm in the territorial are during the night, and spend their daylight hours of Mr. Haldane, the British war secretary. Will be like when the trees are twenty feet high Give your hens a decent building of their own, with and plan accordingly.

Wherever possible, the main wind-break should to roost in at night. consist of several rows of trees-fifteen at least, and better twenty to thirty. Inside the main belt, single rows may be used for temporary unless the soil on both sides can be kept culti- A mash composed of equal parts shorts and ground unless the soil on both sides can be kept culti- A mash composed of equal parts shorts and ground who do not moderate their phrases will be gently, but firmly, conducted to the German border and thrust trees will protect each other. After the third mixed together and slightly moistened with warm out. will then cast a dense enough shade to smother but all weeds and grasses, and each year the comfortable night.

DO NOT PRUNE

etc. The result will merely be disappointment. his trees with a knife. Remember that now we up for the hens to pick at between times. It would be almost as reasonable to plant oranges are considering shelter belts and wind-breaks and other semi-tropical varieties in Ontario. not single, ornamental or avenue trees. These in the shape of crushed crockery or small sharp gravel.

There are hundreds of homes on the prairies of course require pruning. As a general rule This should be kept where the hens can reach it at wind-breaks and plantations.

FIRST GET READY TO PLANT

The old saying: "More haste, less speed," siderable labor and unless done with intelligence applies with particular aptness to tree planting. We must realize that once planted the trees are likely to remain growing for fifty or a hundred winds consider well what you do. Do not merely accord. I rarely lost a turkey. They grew well.

HOW TO GROW LARGE SUPPLIES

Well, what is one year in the I do not wish to go into the merits of each the laurel leaf willow, and some others, all make In the course of our tree planting work we excellent wind-breaks, are hardy and fast growers. clamation in the federal seat of Comox-Atlin contemporary in touch with hundreds of farmers wishing. They can be propagated most readily from cut-stituency, British Columbia.

perfectly practicable, but at the present time It would seem that most people do not realize the formation of shelters and wind-breaks is of

NORMAN M. Ross. Chief of Tree Planting Division.

POULTRY

Eggs in Winter

To have hens lay during winter, when prices are plenty of light, pure fresh air and a nice warm place

north will carry powerful "wireless" apparatus when A hen that is too fat is apt to be lazy, so be careful he goes in search of the North Pole next year. not to feed too much fattening food to your laying stock. Feed whole grain in the morning, in a deep litter of cut straw or chaff; this ensures a busy day trees will protect each other. After the third linked together and signify most and warm warm season, no cultivation should be required as they milk or water, to a state of stiffness, is a good evening feed for each day. By feeding the mash at this time,

Keep fresh drinking water before your poultry, and be sure to wash all watering troughs once a day.

An extra dish of sour or sweet milk, will be welcomed of hardy trees for the West, but they are the kinds It might not be out of place to mention pruning. by the hens. Something to make up for the bugs and most suitable for our conditions. Do not try Not by any means to advocate it, but rather to grow Ontario maples, beech, horse chestnut, warn the inexperienced planter from touching this can be supplied to a certain extent in the use of mangels and turnips, fed raw, with a pig's head hung

> Do not forget to furnish your hens with teeth ture of crushed shells from the produce dealer or a small amount of lime added to the drinking water will do nicely. To further increase the happiness of

> > W. R. BARKER.

Woman's Experience with Turkeys

likely to remain growing for fifty or a hundred knife consider well what you do. Do not merely accord. I rarely lost a turkey. They grew well, years. When the suggestion is made, "don't act upon the suggestion of a neighbor unless you and the heaviest rains did not hurt them, although I plant this year, wait till next spring, so that know him to be a man with considerable experi- had been repeatedly warned by farmers' wives that even the dew would kill them.

FIELD NOTES

Events of the Week

A hospital for sick children has been opened in

Hon. William Templeman was elected by ac-

It is reported that within a few months China will No mention has been made in this article as establish a consulate-general at Ottawa and a vice-

> The Postmaster General, after some consideration has decided to deny the mails to R. C. Edwards'

George Ernest Stewart, a farmer near Shelburne, The larger number of our settlers at present Make your plans with an eye to the future devel- Ontario, in what is supposed to be an insane frenzy, occupy more or less temporary buildings, and opment both of the trees and your farm steading. killed John and James Stanhouse, father and son,

> Montreal's much discussed ice palace is finished and their great carnival of winter sports is now on. The palace is lighted by 4000 electric lights.

> Commander Spain and J. F. Fraser of the Canadian marine department have resigned as an outcome of Judge Cassel's report of the marine department.

> Rinks to the number of 159 have entered for the Winnipeg bonspiel and play is now in progres The Canadian curlers who are playing in Scotland are winning honors.

> The Saskatchewan government objects to paying the expenses incurred in bringing the wandering Doukhobors back from Fort William to Yorkton last The government considers that the expense should come upon the federal powers.

BRITISH AND FOREIGN

The National Service league is creating more interest and enthusiasm in the territorial army scheme

Captain Amundsen the Norwegian explorer of the

* * * The press censorship in Germany, which has been shelters to be cut out later as the outside belt for the hen, and a working hen is generally a good be made more stringent again because of the lengths gets high and thick enough to protect the whole layer. By way of a variety, feed wheat one day to which the papers have gone in cartoons and skits relaxed considerably since the famous interview, will day to which the papers have gone in cartoons and skits lave. ridiculing the Emperor. Foreign correspondents who do not moderate their phrases will be gently, but

> Of eighty prisoners released on parole in Chicago the hen goes to roost with a full crop and puts in a all but ten appeared at the appointed time. Twenty-comfortable night. court again unless they violate their promises to keep