### **GROWING TREES IN DRY AREAS.**

BY PROFESSOR THOMAS SHAW.

THE care called for in making a two or three sides of the buildings. success of growing trees in dry The grove should not be placed so areas is in a way proportionate near that snows will pile up against to the dryness of the climate. It is the buildings or in the yard, should also influenced by the character of the they drift over the trees. The width soil and subsoil. This paper will deal of the strip should be gauged by the with conditions where the land is not number of the rows of the trees, but underlaid with hardpan coming up it should be wide rather than narrow. near to the surface. Where the rain- it should be deeply broken and when fall is short and where hardpan comes the ground is quite moist. If the subnear the surface, it is very difficult to soiler can be made to follow the plow grow trees in the absence of Irrigat the conditions will so far be improving waters. But fortunately these ed. A dust mulch must then be kept conditions are not very prevalent in on the land throughout the season. The following spring the trees

On the dry prairies of the West H should be planted, and as soon as the it greatly important that trees shall ground is dry enough to be stirred be grown. These treeless areas are without injury to the same. Open up more or less wind swept. In the win- a forrow, plant in the same willow ter the absence of a protecting grove cuttings about a foot long of the white In such areas adds greatly to the disor gray variety. Put these in say comfort of the inmates of the home three feet apart. Slant them a little and also to the discomfort of the live in one direction along the line of the stock. While in areas that are very furrow. Then fill in the earth around dry it is not to be expected that trees them and firm it, but leave about can be grown in large numbers and three inches of the cutting above the with marked success in providing surface. The first row should be five lumber, they may be made in time or all feet from the outside of the to furnish posts and poles and also broken ground. If a second row is some firewood. The greatest end. planted it should be twelve to twentyhowever, by far to be served by them four feet distant from the first row, is to furnish protection against the or if some other kind of tree forms winds. To furnish such protection the second row, it should be equally should be one of the very first con distant, as snow will pile in there. siderations of those who locate on the The trees should be of some quick treeless prairie. It is in a way in growing kind, as cottonwood or Norway comprehensible that so many allow poplar, and they should be planted

long years to pass without taking any about twelve feet distant in the line steps to protect the home in this way. of the row. Between each two of these Many who plant trees in the dry should be in the line of the same row, country fail. They fail through the some slower growing tree as the adoption of wrong methods. The green ash. Next row may be about plan is common to dig a hole in the ten or twelve feet distant, and the prairie sod where a tree is to be trees in it may be the same. Usually planted. This means that the soil three or four tows will suffice. The around that tree cannot be cultivated soft, quick growing trees will force unless the cultivation is done by the slower growing to push upward hand. This is too expensive and it is and in due time the quick growing valiable to be neglected. Trees can be ricties may be cut out. All the trees grown on the prairie and beach lands should be planted when they are where the annual rainfall exceeds quite small, and the roots should be twelve inches, but the work if it is to shielded from exposure to the air, succeed must be done in a certain way. The ground should be cultivated

When trees are to be planted in like a corn field for several years. All such areas, the ranchman should pre-woods and grass must be kept out. pare the land the year before he Either will rob the trees of moisture. plants. He should do so to allow the if asked how long should the cultivamoisture to go down into the soil. The tion he kept up, the answer is until roots of a tree cannot go down into the trees are large enough to form a the soil in advance of moisture. He mulch of leaves. The cultivation should do so to put the land in shape should usually be shallow, but if a for future cultivation on the surface crust should form three or four inches after the trees have been planted, and below the surface, it should be brohe should do so to make success more ken. The sim should also be to secure the trees somewhere near the sure after the planting.

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A. E. DUNSMORE. Published in the St. Johns Review May 15 and 22, 1914.

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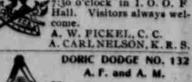
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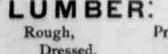
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