HOW TO IMPROVE A PLACE.

Judicious Planting Increases Its Beauty and Adds Comfort to the Family.

Trees possess great value as measured by their cost. We have only to compare the desirability of any home planted with a profusion of ornamental and fruit trees, vines and plants, with the same or similar grounds—as, for instance, a new home just erected—devoid of these. The one attracts with an irresistible charm; the other is bare and forbidding. A costly house cannot make up for a lack of trees. One that is inexpensive, with handsome garden surroundings, shows to far better advantage than a house costing double the money without the presence of lawn, trees and flowers. When one tries to sell he finds this out. The value of a well planted place to the young folks of a family cannot be overestimated. Then, too, there is the profit derived in dollars and cents from the sale of surplus products.

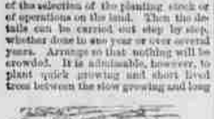
Trees contribute to the comfort of man and beast. A dense belt of trees, especially evergreens, to the windward of a home will save many a ton of coal. A similar gain comes in the saving of feed and the increased thrift of live stock in stables that are well sheltered from wintry storms. The summer life of man and beast is made more pleasant for the presence of an abundance of shade trees. Increase the trees of the farm, and not only add attractiveness and comfort, but that is provided which modifies the conditions of freshets, of droughts and of sweeping gales and cold. But what constitutes judicious planting? Elias A. Long has answered this query in his little manual on "How to Plant a Place," issued by the Rural Publishing company, from which the accompanying cuts are reproduced. He says:

A good balance of the products of planting should be the aim. It is a mistake to set out a hundred or more apple trees of one or two varieties and call that planting a place. It is a mistake to overdo in any one direction of planting and then to shift inadequately to other directions. There certainly should be an ample apple orchard, yielding by a good selection of varieties this best fruit for use every month of the year. There should be a liberal supply of the best stock of the other hardy fruits, such as pears, plums, peaches, grapes, cherries, quinces, apricots, and strawberries, raspberries, currants and other small fruits for yielding the greatest possible variety in this line besides apples. In addition to fruits in abundance, let provision be made for a complete vegetable garden, on which to depend for a wholesome variation in the food supply the year round.

Then let our natural appreciation of beauty and comfort be met by surrounding the home with a handsome lawn, adorned with hardy ornamental trees, flowering shrubs, arbor and veranda vines, garden plants, etc., and evergreen or other windbreaks to protect the buildings and gardens; groves of forest and nut trees adjacent to the stables or in out of the way places, trees along the highway, fences, creek, etc.

It is wise to work by a plan from the beginning. This should, as regards all the main features, be decided upon in the main and somewhat in detail, ahead of the selection of the planting stock or of operations on the land. Then the details can be carried out step by step, whether done in one year or over several years. Arrange so that nothing will be crowded. It is admirable, however, to plant quick growing and short lived trees between the slow growing and long lived ones, for better early effects, these to be thinned out later on as the standards increase in size. Choose young, thrifty trees and suit the kinds to the requirements of the place. Take account of the seasons in your own locality in deciding when to plant.

A NEW PLACE UNIMPROVED.



THE SAME PLACE ENBELLISHED WITH TREES, VINES, ETC.

Feather Eating.

Feather eating, says the agricultural editor of the New York World, is a vice contracted offensive in crowded quarters, where the birds do not have sufficient exercise. Other causes are lack of grass in summer, hay in winter and want of animal food and clean earth. As to remedies, the authority quoted says: "If only two or three fowls have contracted this habit, remove them at once, fatten and kill. If the number of offending birds will not admit of this, separate the worst of the lot and place them by themselves. Further cases rarely allow other fowls to pick them. Give to the remaining fowls a much more extended run, spade up some of the soil and scatter thereon straw and stuff to induce activity by scratching on the part of the birds. Provide fresh water daily, add a chopped hay, meat scraps and crushed bone to their rations, and if practicable some green stuff, such as cabbage, etc. If any of the birds have been so injured as to have spots bleeding, anoint the bodies place with a salve made of vaseline mixed with carbolic acid; ten grains of the carbolic acid to an ounce of the vaseline. This salve will be lasting and at the same time unpalatable to the birds."

CONSUMPTIVE COWS.

Inheriting Consumptive Tendencies in Cattle in the First Place.

A correspondent of The Rural New Yorker interviewed Dr. E. T. Brush as follows:

"What causes bovine tuberculosis?"

"In a word, inbreeding," he replied. "All breeders know that the practice tends to weaken the offspring, and the longer it is continued the more apparent becomes the weakness. There are two permanent varieties of the domestic breeds of the bovine tribe, one the large and the other the small forms. To the latter belong the most noted distinctively dairy breeds, and to preserve their dairy qualities they have been closely inbred. The result is that they are nearly all scrofulous and tuberculous. From the large variety come the beef breeds. The distinctive breeds of each are formed by greater or less balance of blood from the opposite variety. Among beef breeds the one most closely inbred is the Shorthorn, and this is the most tuberculous. The disease develops less frequently among the beef than among the dairy breeds, because the former are generally killed while young, and are not subjected to the extra strain of giving milk. Too early foundation is also given as another cause of tuberculosis."

"Are any breeds of cattle more subject to the disease than others, and why?"

"From the answer to the previous question it will be seen that the more closely a system of inbreeding is pursued and the longer it is continued, the more likely, other conditions being equal, is the strain or breed to be subject to tuberculosis. The Jersey breed, which has been most closely inbred and which is also most tuberculous, has been named. The dairy breeds which have been most closely inbred are the natives of the Channel Islands. An official of the bureau of animal industry says that 20 per cent. of the thoroughbred Jerseys of the southern states are affected with tuberculosis. The breeding with which this breed, as well as the other Channel Island breeds, has been subjected for many generations, and the constant forcing for large milk yields have contributed to this result. These are the farm cows the delicious remarkable Proper housing and care, avoidance of too early breeding and too long continued milking, and general sanitary precautions will prevent the development of the disease. No cow should drop a calf before she is 2 years old."

Price of Cheese for the Year.

Those dairymen who worked hard to keep the milk yield of their dairies up to a high standard will probably feel the effect in the good prices that prevailed. So you see, brother dairyman, that it does pay to have a good supply of early, green, sweet, juicy or roots to fall back upon in a late, cold spring when dairy prices are high, and it also pays just as big to personally fight Texas fever or any other pest which threatens the profit of the dairy. It is well enough to recollect these things when results are being summed up, for similar conditions are quite liable to exist and may obtain next summer.

Besides the general advanced price which prevailed the past season, averaging nearly one-half cent per pound higher than in 1891, the demand for cheese has been unusually high. This reason suggesting more than the mere brisk condition of the market, which might be thought to overlook defects of quality, and said stock good that would not be considered some days ago. It bought means better cheesemakers, and dairymen with more careful habits. It is a delight to see these things positionally realized when so much has been said about them on paper.

It seems that all that has been said and written on the subject has not been expressed in vain, but has borne good fruit.

The value of the cheese sold on the Utica market for 1892 footed up to $1,399,993.06, which is no mean sum to be distributed to dairymen and manufacturers in this favored and beautiful section. It does not mean perhaps that dairymen are getting rich, but it signifies that they are prospering from a prosperity due to adopting new and better methods of procedure.

Prosperity means contentment and happiness in this case, and that is something that rides along never did or never will yield. There are a great many conditions in life far worse than being a prosper ous dairyman.—George E. Newell in American Cultivator.

Among the intentions to separate iron from a low grade of ore is one that it is claimed will work up 250 tons of the ore a day. The crude ore is first crushed fine. Then it is run into a hopper, whence it drops between two steel iron magnetic rollers. The dross drops through, while the iron particles stick fast to the magnetized rollers and are removed by a new turn of the machine.

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