Name
Agricultural Department.

## BUYING PLANTS.

Having prepared and enriched our ground, we are ready for the plants. The kinds and quantities we desire are often not to be
found in our vicinity. In private gardens, found in our vicinity. In private gardens,
moreover, even if our neighbors are liberal moreover, even if our neighbors are liberal
and have the plants to spare, names and varieties are usually in a tangle. We must go to the nurseryman. At this point, per-
haps, a brief appeal to the reader's common haps, a brief appeal to the reader's common
sense may save much subsequent loss and sense may save
disappointment.
In most of our purchases, we see the article before we take it, and can estimate its value. Just the reverse is usually true of plants. We know-or believe-that certain
varieties are valuable, and we order them varieties are valuable, and we order them
from a distance, paying in advance. When received, the most experienced cannot be sure that the plants are true to the names they bear. We must plant them in our
carefully prepared land, expend upon them money, labor, and, above all, months and years of our brief lives, only to learn, perhaps, that the varieties are not what we
ordered, and that we have wasted everything on a worthless kind. The importance of starting right, therefore, can scarcely be overestimated. It is always best to buy of men who, in the main, grow their own stock, and therefore know about it, and who have established a reputation for integrity and accuracy. The itiuerant agent flits from
Maine to California, and too often the mar vellous portraits of fruits that he exhibits do not even resemble the varieties whose names they bear. It is best to buy of those who then, if anything is wrong, one knows where to look for redress
Even if one wishes to be accurate, it is difficult to know that one's stock is absolutely pure and true to name. The evil of mixed plants is more often perpetuated in the following innocent manner than by any
intentional decention: For instance, one buys from a trustworthy source, as he sup poses, a thousand "Monarch" strawberry plants, and sets them out in the spring.
All blossoms should be picked off the first year, and, therefore, there can be no fruit as a test of purity that season. But by fall there are many thousands of young plants.
The grower naturally says : "I bought these for Monarch, therefore they are Monarch," and he sells many plants as such. When coming into fruit the second summer, he finds, however, that not one in twenty is a digs them under in disgust; but the mischief has already been done, and scattered throughout the country are thousands of mixed plants which multiply with the vigor of evil Aurserymen should never take varictios granted, no matter where obtained. ${ }^{\text {endeavor to }}$ teet the distinguishing marks even in the foliage and blossoms, and if anything looks suspicious I root it out.
If possible, the nurseryman should start with plants that he knows to be genuine, and propasate from them. Then by constant
and personal vigilance he can maintain a stock and personal vigilance he can maintain a stock
that will not be productive chiefly of prothat will not be productive e
fanity when coming into fruit.
It is not thrift to save in the first cost of plants, if thereby the risk of obtaining poor, mixed varieties is increased. I do not care to save five dollars to-day and lose fifty by
the operation within a year. A gentleman wrote to me: "I have been outrageously cheated in buying plants." On the same page he asked me to furmish stock at rates as
absurdy low as those of the man who cheated him. If one insists on having an articl ed him. Iess than the cost of production, it is
at far ling an article at far less than the he finds some some who will
not strange that the cheapest in the long run to go to the the cheapest in the long run to go to the
most trustworthy sourcos and pay the grower a price which enables him to give me just what 1 when they can still be spoiled or, at least, injured in transit from the ground where they grew. Dig so as to save all the roots, shake these
clean of carth, straighten them out, and tie
$\left\lvert\, \begin{aligned} & \text { the plants into bundles of fifty. Pack in } \\ & \text { boxes, with the roots down in that way, the sun will surely scald the }\end{aligned}\right.$ tops exposed to the air. Do not press them in too tightly or make them too wet, or els speedily robs them of all vitality. In coo easons, and when the distance is not ton great, plants can be shipped in barrels thick be toward the sides and the roots in the centre, down through which there should be a circulation of air. In every case envelop the roots in damp moss or leaves-damp,
but not wet. Plants can be sent by mail at but not wet. Plants can be sent by mail at
the rate of one cent per ounce. Those sent the rate of one cent per ounce. Those
out in this way rarely fail in doing well.
out in this way rarely fail in doing well.
The greater part of the counting and packng of plants should be done in a cellar, in which the future the little fibrous roots, on which the future growth so greatly depends,
from becoming shrivelled from becoming shrivelled. The best part of the roots are extremely sensitive to sunlight
or frost, and, worse than all, to a cold, dry or frost, and, worse than all, to a cold, dry
wind. Therefore, have the plants gathered up as fast as they are dug and carried to a damp, cool place where the temperature varies but little. From such a place they
can be packed and shipped with the leisure can be packed and shipped with the leisure
that insures careful work.-G. $P$. Roe, in that insures careful
Scribner's Monthly.

## CULTIVATION OF ORCHARDS.

S. G. Minkler at a meeting of the Hortjcultural Society of Northern Illinois, said the apple, that was once considered a luxury, food, and when freely nsed is conducive a health as well as comfort.
In planting an orchard, the first thing to be taken into consideration is the site. The orchard, of course, should be near the dwelling ; but if the ground near the dwelling is not suitable, and cannot be made so by draining, it would be advisable to choose a site more remote from the dwelling. The hould be shade be dry; if not naturally so, or apple-trees will not endure wet feet.
Exposure. - I prefer a northern exposure a southern one, for this reason, that when we have early and late frosts, he wind, of
course, is in the north, consequently the frost settles on the sonthern slope, because it is still there ; choose the lighest ground on the farm.
Preparing the Ground.-The ground should ee in good tilch, as for corn, and if plowed deeper all the better, even if trench plowed.
The proper distance to set trees is twentyThe proper distance to set trees is twenty-
eight to thirty-two feet; roots spread ight to thirty-two feet; roots spreal as
vell as the top. I have trees set that dis tance and the branches have long since kissed each other
Digging the Holes.-Did I say digging the holes? The holes should be the size of the mellow, i. e., the ground should be made should he set four inches deeper than they stood in the nursery, for the reason that the ground settles and the trees do not.
Selecting the Trees.-Do not be governed by the usual palaver (five to seven feet) as used by the tree peddlers; but select good
stocky four or five-years-old tree trunks four and five feet, with branches evenly distributed on all sides; avoid crotches or forks. Go to your nearest nurseryman, if he is reliable, and if you can ave your choice in the trees for a few cent etting trees, always range your for you. In by the trees you have set ; ; f you do you will be sure to go crooked. In setting, be careful to have no vacancies about the roots se your hands freely, then pack the earth fellish around the roots, yea, stamp lo well and
foose soil, then mulch; this is finish with loose soil, then mulch; this is
indispensable ; it consists of utilizing any old straw or stack bottom, if half rotten all the better; this should be four inches deep and reach out three feet each way around ture in the ground. The next thing is t tare in the ground.
stak to next thing is to stake the trees ; this is done by driving the
stake on the southwest side of the tree, one foot from the tree, then take your straw
band, twisted hard, put it around the tree, band, twisted hard, put it around the tree,
then put the strands together, twist again, then part the strands and tie around the stake. I should have said above, to lean the tree in setting a little to the one o'clock sun, also put your heaviest branches on that side ; the object in staking and leaning the tree is to prevent too much exposure of the
trunk to the sun. If your trees get to lean
ink on the southwest side, and your tree
is gone ; as soon as you get the branches to is gone; as soon as you get $t$
shade the trunk you are safe.
$V$ arieties.-Be careful not to get too many varieties, say abont four summer, four fal and six or eight winter, and this would be too many if you were sure they would bear
each year. I will not name the varieties, each year. I will not name the varieties,
for you are to be governed altogether by for you are
your locality.

## Cultivation.-The orchard should be culti-

 vated at least eight years, or till it comes well into bearing in any hoed crop, or sowno buckwheat and let it fall back on the ground ; care should be taken not to plow too near, or too deep near the trees; when horten in the branches two-thirds the last year's growth, for the reason that the tree has lost roots in being taken up, and that equalizes the top and root.

## TURKEY HATCHING.

It is incomprehensible that we do not adopt the French system of employing
turkeys in the hatching business, since these turkeys in the hatching business, since these
birds have an extraordinary antitude for it and will sit contentedly month after month bringing forth brood after brood-as many as five consecutive hatchings by the same bird not being by any means a rare occur rence,-without suffering in the least from
their exertions. Even so late as the month f Octorions. Even in more than stance seen fifty turkeys thus engaged at one time, their owners telling us that had it been in spring we should have found the number four or five times as great. And each of these turkeys was hatching de comspecial person. The birds were all healthylooking, and in good condition, and as soon taken to market, new ones being purchased at the ensuing season, unless some one of them should be so exceptionally good a mother as to make it worth while to keep he during the months of idleness; for it is a great point of economy to maintain as few eggs and bre possible, and merely to from those whose business it is to supply them.
The turkey mother when fattened fetches quite as much as was originally given for her, and therefore has cost fot the time of wha ver it may have taken during, and weets to put her into condition. All this is noat accurately calculated, and the fermiere knows exactly what she is about. Sixtyfive centimes will, it is said, feed the turkey during each hatching, and it will take one franc seventy-five centimes more to make her ready for the market ; and as it is only necessary during incubation to attend to her once a day, the process does not interfere with any other arocations, or require any o lectly cose attention, failure in which is per fectly fatal in the case of the artificial pro-
cess.-Man's Magazine.

The Germantoon Telegraph, speaking of ences and shingles, says that the decay or by heat as well. Any black sulstare alone, bat by heat as well. Any black sulstance applied
to wood, though it keeps out moisture, will to wood, hough it keeps out moisture, will
attract heat to a destructive degree. A attract heat to a destructive degree.
fence tarred and exposed to the sun fence tarred and exposed to the sun soon
crumbles away, while a whitewashed fence will outlast it for years. The white color turns away rather than attracts heat, al though every rain washes through it, thu showing that heat is the destructive elemen to contend against.
As THE result of many and apparently carefully conducted experiments, Kirchner arrives at the conclusion that the cream of that deposited in tin pans rises better than has also been found that usually a larger yield of butter is obtained when the milk is cooled by means of ice than when the milk is allowd to assume the desired temperature under ordinary atmospheric influences.
FowLs should always have some hard coal screenings placed within their reach. Feed occasionally a few oats. Always keep some
old iron in the drinking water; give all the ut-door exercise you possibly can ; even chase them round a little. Place plenty of
straw for them to scratch among for exercise straw for them to scratch among for exercise.
Throw some small grain among this to en courage scratching

## D O M ESTIC

Baked Beets.-These excellent vege tables are quite as good baked as boiled, and process. The oven should not be too hot
pret and the beets must be frequently turned, Do not peel them until they are cooked, then serve with butter, pepper and salt.
Omelet.-Twelve eggs, twelve tablepoonfuls of fresh milk, one lump of butte the size of an egg, pepper and salt to the taste. Beat up your eggs thoroughly,
whites and yolks separately; add the milk, pepper, and salt to the yolks, and then beat in the whites. Put the butter into the pan,
and, when melted, pour in the eggs.
D and, when melted, pour in the eggs, Do
not stir them, but let them brown. When he eggs are cooked, fold over the omelet, and let its own heat cook the inside.
Buckwheat Cakes. - The best buckwheat cakes are made with an addition of cornwheat, in this oat-meal flour to the buck buckwheat, three cupfuls of oat-meal flour, or if this cannot be obtained, substitute rraham flour in its place, and one cupful of venly filled with olt two a dessert-spoon venly filled with salt, two tablespoonfuls of form a batter. Raise over night with yeast. A Plum-Pudding (plain, but good).-One pund of raisins, one pound of currants, hal a pound of citron, four tablespoonfuls o utter, one teaspoonful of soda, a teacupfu sour milk or buttermilk. Sift the soda into the flour as for biscuits, and rub in first
the butter, then the fruit. Thin it with the ggs and sour milk until it is the consistency fruit-cake batter. Tie up in a thick cot ton eloth, scalded and floured, and boil for four hours. This pudding may be made with only one sort of fruit. Many prefe
simply raisins instead of the above combina tion.
Fish requires great care in boiling. Smal fish should be put into cold water, large fish, such as salmon, into hot, with salt and a tablespoonful of vinegar to every quart of done by inserting the blade of a knife in the back of it; if it leaves the bone it is cooked. Fish should boil slowly. If you have no fish kettle, put a plate on a square e the plate and all into a sauce-pan. You can then lift the fish from the water without breaking.
Beef Tea.-Cut up lean beef in small pieces, raw, pour over it an equal weight of Then pour off and set sside three hours. pour pour off and set aside this water, and pour over the beef the same quantity of Finally, pour together with the beef into a tin boiler with close cover the two waters and a third equal portion of hot water, and let it cook slowly for three hours. Then pour off the tea, and keep it in a cool place Stir before using, and season to the taste Stir before using, and season to the taste
with salt and pepper. Eat hot or cold. N. B.-One pound of water is very nearly one pint.
Don't Pound Your Steak.-We hear a great deal about that "abomination called tried steak." I will tell you how to make tough steak tender, and how to fry it so
that it will be juicy. Do not pound it either that it will be juicy. Do not pound it either with a rolling-pin or a potato-masher, or even with that jagged piece of metal or ers will try to delude youe-fintsing If you do pound it, your fibres and let out all its juices Pour into the bottom of a dish three tablespoonfuls each of vinegar and salad oil, sprinkle on them half a saltspoonful of pepper (and a tablespoonful of chopped parsley, if you of the oil and vinegar will be to soften and disintegrate the tough fibres of the meat, without drawing out its juices. The salt would do that most effectually and harden the fibres beside. You may add a teaspoonLay chopped olion if you dike vinegar for three or four hours, turning it over every half hour and then saute, or half-fry it ed, and serve it with a very little fresh butter, or with the gravy from the fryingpan. If you follow these directions and do have tender steaks hereafter at will. -Golden Rule.

