dry weather. It does not penetrate to the roots, strip of ground is reserved for a nursery, in which but merely forms a hard surface. It also causes to propagate trees and shrubs for use in a wood plot, the roots to come upwards, where they become also in plots of shrubbery that we are starting to plant on the large laws. This laws has never been plowed scorched, and the plant is injured instead of on the large lawn. This lawn has never been plowed, helped. Frequent stirring of the surface soil is far and away ahead of watering to help the plants to withstand large watering and formula watering and formula watering to help the plants to withstand large watering and formula watering to help the plants to withstand large watering and formula watering to help the plants to with the plants of the surface soil is prairie, wild flowers and all.

Near the house are flowers in abundance. Almost interest in condensation of the plants o plants to withstand drought. This may be accomplished by cultivating, hoeing, raking, or, been tried. Most do well, but some are favorites, in case of potatoes harmonic plants to make the house are flowers in abundance. Almost interest in gardening and found it a great pleasure to every hardy annual listed in ordinary catalogues has be able to grow fruits, flowers and vegetables. The interest in gardening and found it a great pleasure to grow fruits, flowers and vegetables. The interest in gardening and found it a great pleasure to grow fruits, flowers and vegetables. The interest in gardening and found it a great pleasure to grow fruits, flowers and vegetables. The interest in gardening and found it a great pleasure to grow fruits, flowers and vegetables. The interest in gardening and found it a great pleasure to grow fruits, flowers and vegetables. The interest in gardening and found it a great pleasure to grow fruits, flowers and vegetables. The plants are proposed to the plants of the plants are pleasured in the plants are pleasured to grow fruits, flowers and vegetables. The plants are pleasured in the plants are pleasured to grow fruits, flowers and vegetables. The plants are pleasured to grow fruits, flowers and vegetables. The plants are pleasured to grow fruits, flowers and vegetables. The plants are pleasured to grow fruits, flowers and vegetables. in case of potatoes, harrowing. Potatoes should poppies, nasturtium, mignonette, marigolds, esch-

BRENDA E. NEVILLE.

#### Gardens and Gardening

In the columns following some interesting and instructive letters are published in answer to our request for descriptions of farm gardens and methods of growing the ordinary garden vegetables, fruit and flowers. There are a good many good gardens on the farms of Western Canada ing on the prairies and many suggestions are offered that should be of value to those who have made up their minds to have a garden, but have little knowledge of gardening, as well as to those who have tried to raise such fruits, vegetables and flowers as may be grown in our climate, but have been only partially successful. The contribution of Brenda E. Neville, Sask., has been taken as the best received, and that of R. B. McNeil, Sask., for second.

The question asked in this week's issue is one of general interest being on the subject of hail insurance. The opinion of readers is invited. The question appears as usual at the head of the farm department.

# Description of Our Farm Garden

EDITOR FARMER'S ADVOCATE:

Our farm garden lies to the east of the farm house and buildings. It has a southeasternly slope, and at the top of the hill the soil is very dry and barren. Almost all the garden is sandy. The soil grows richer as the bottom of the slope is approached. At the northeast corner is a spot of rather heavy clay. the northeast corner is a spot of rather heavy clay land. Along the north, west and east sides are planted shelters of hardy trees, such as native maples, white ash, native, Russian, and golden willows, cottonwoods, and Russian poplars. The maples and ash were grown from seed. The others from small

We found that the top of the hill, which is almost worthless for vegetables, will produce trees. Willows and poplars both thrive there. The trees hold the soil, and also catch snow, which in spring moistens the rest of the garden. They also help to shelp to she more tender garden stuff from severe westernly winds

The garden is laid out in strips running north and outh. That is, rows of trees and fruit bushes are planted at even distances, leaving strips that may be plowed and used for vegetables. On the east, next to a hedge of willows and maples, are two rows of three feet apart each way, and four feet from the hedge. It would have been better had they been out six feet, as the trees are nearly twenty feet high now. six feet, as the trees are nearly twenty feet high now, and take the moisture from the ground. Next to the rhubarb is a row of red raspberries. These grow rapidly, and fruit will almost every year, and are never laid down and covered. They are well protected by snow in winter, and the soil was heavily manured before the plants were first set out. The next row of bushes is one of red currants. Between the raspberries and red currants the ground is filled with strawberries. They fruit fairly well, and need protection if heavily covered with snow. Andivides the garden into two parts. The part already described has been too much crowded with trees at the ends, so that though it could be plowed when the trees and bushes were small, now it is very hard to take even a scuffler in.

From here to the west side the space is evenly divided by three rows of fruit bushes; one of Houghton gooseberries, one of red currants, and one of black currants. Here and there in the rows a few trees are planted. Apple trees are being established, and we are trying black raspberries and cherries, also the curious strawberry-raspberry. In the spaces between bring me over pretty well to the east side of my field, the rows of bushes sufficient vegetables of all sorts are grown to supply a family of six, and after the family then a row or two of raspberries, then four rows of turnips, cabbages, etc., for sale.

be harrowed till they are six inches high. Care scholtzias, sweet sultans, cornflowers, chrysanthe- not be planted too close to the gard that none will be sun-burned or frosted.

Care scholtzias, sweet sultans, cornflowers, chrysanthe- not be planted too close to the gard that none will be sun-burned or frosted.

Sweet sultans, cornflowers, chrysanthe- not be planted too close to the gard transport that the potatoes up well, so dragons, and a host of others find a place. Sweet weather we so often have in summer.

Flowering shrubs, namely, lilacs, caraganas, bush honeysuckles, and spireas show up well. The wild choke cherry is a thing of beauty and fragrance at flowering time. Perennial flowers fill all odd corners. We have larkspurs, large and small, in all shades of face when the seed is being put in. ues, from white to very dark. In vivid contrast the scarlet lychnis shines out like fire. Columbines in indescribable variety of shades and colors abound. Pinks and Sweet Williams are there and pansies and violets too. Iceland poppies do extra well. Several kinds of Iris give us our earliest and loveliest bouquets when one comes to find them out. The writers for the table; and last, but not least, is a bed of hardy of the articles that follow have had experiences roses. Not last either. We must not forget the grand ranging from one to twenty-five years in gardenpeonies. Native shrubs are mixed with others on the grounds and wild flowers are encouraged. Space grounds, and wild flowers are encouraged.\ Space forbids further detail, but enough has been said to prove the possibility and feasibility of laying out and maintaining a health-giving, pleasure-giving, and altogether profitable farm garden.

BRENDA E. NEVILLE.

#### Some Suggestions on the Garden and Gardening

gardening is a good shelter belt, but the trees should not be planted too close to the garden or they will take too much moisture from the soil in the dry

The land for fruit trees and vegetables should be well manured with rotted hen manure, if possible The wild made very fine and free from lumps. It is best to spread the manure over the land before it is ploughed. Then by plowing it well under it will not be at the sur-

> I always use a graden seeder, a Planet Jr., to sow the vegetable seeds. A seeder does the work better than can be done by hand, one is sure of getting the seeds down into the moist soil, with care they sow the seeds evenly, and you can put in a large garden in a short time, without so much backaching work. For the drill to work well the soil should be worked up very fine, and if a little light, so much the better. I do not like a heavy clay soil. The light land is more convenient to work in and I find the vegetables do better, and it is not so hard to keep the weeds

All fruits, trees and vegetables should be planted in as long rows as possible, a sufficient distance apart to allow you to work between the rows, so that you



THE GARDEN REFERRED TO BY MRS COOPER IN HER LETTER IN THIS ISSUE.

## Laying Out a Garden

EDITOR FARMER'S ADVOCATE

As I have no photo of our garden I will try to describe it as it is to be this summer. Our house faces south on a lown about thirty feet wide, and

The first seeds I sow in the early spring are: radish south of the lawn is a row of lilacs which separates it from the vegetable garden. The area of the later is about quarter of an acre. From the north boundary of the lawn to the south boundary of the garden on the west side is a hedge of three rows of maples which serve as a good shelter and windbreak for the small and vegetables. On the inside of this wind, farm, even when wheat is over \$1.00 per bushel. serve as a good shelter and windbreak for the small and vegetables, and find it the best paying land on the fruits and vegetables. On the inside of this wind—farm, even when wheat is over \$1.00 per bushel, of gooseberries, then a row of tomatoes, the plants of which have been raised in the house or hotbed till warm enough to transplant, then comes a couple of rows of squaw corn which serves as a shelter for the row of tomatoes, as the wind often plays have.

Man. Man. A Cooper. the row of tomatoes, as the wind often plays havoc with large tomato plants. Then one after another I put in rows of the following, always trying to have the seed to fill out the row right to the bottom for appearance sake, if nothing else: red carrots, beets appearance sake, it nothing else: red carrots, beets, onions, lettuce and radish, sage, peas, turnips and cabbage. The cabbage I put in a straight row kindly explain the prunch except that I put three or four seeds to a place, then I have a small plantation, whether the proper pruning. this way than if they are transplanted.

I also put in a few rows of early potatoes which we have several bags of beets, carrots, strawberries and if you ever nappen to be up our way bages, etc., for sale. We always have far and cream. I must not forget to say that for flowers more currants than we can use ourselves, also gooseberries. Radishes, lettuce, cress, spinach, etc., if not
sold or eaten when tender, are pulled and fed to the
lawn and garden and three flower beds on the
lawn or will have when finished. Would advised to the

Laying Out a Garden

will have room to do the hoeing and keep the landd cultivated. Never waste time making raised beds to grow vegetables in this country, as they are best grown on the level. Get the earliest varieties in all

MRS. A. COOPER.

#### Pruning Currant Bushes

Kindly explain the pruning of currant bushes. I have a small plantation, which I believe is suffering

In D. W. Buchanan's book, "Horticulture in the North," the following comments are made on the pruning of currant bushes: "Toward the close of the growing season or early in the spring is the best time to prune. Many varieties of currants send up a number of new shoots each year. The pruning should consist of removing all but three or four of the strongest of these new shoots each year. The garden is one hundred yards long and about are beginners to leave the rows of vegetables in the bush will be entirely renewed every few years, always and scuffler to fifty vards wide. Asparagus and rhubarb plants garden far enough apart for a horse and scuffler to that they can be cared for at the same time. One Sask.

R. B. McNeil.

bush will be entirely renewed every few years, always remembering that three and four-year-old wood therefore should be a few years, all before the old.

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wood is cut out, unless, of cour wood should be damaged by dise some other cause, in which case better removed.

These directions as to prunin theory that plants are growing Sometimes currants are grown of a small tree. This plan is entir country. Our heavy winds may stem and the plant is gone. W form the snow is retained abo better during winter, which giv roots, and also assists in retaining and summer.

## DAIR

#### A New Production Rec

The Chief of the Dairy Hu in the University of Illinois rep butter record for Jerseys made by This cow produced in one year nearly nine tons of milk, and 1,1 and has broken all Jersey records in the world has a higher recor taking her average production stands absolutely without an equ

The 15,253 pounds of milk during the year contained 14.6 pounds of total milk solids. T of the perfectly enormous amou an efficient dairy cow in one year the work done by the average pounds at the age of two years. weigh close to 100 pounds. The of growth he has actually produ carcass, only one-fifth, or 200 edible dry matter. This mean produced as much edible solids twenty-five steers, thus certain' good margin, the world's recorbreed.

### Cottage Cheese from

A very acceptable quality of made from buttermilk. The cimil can be separated by heaup to about 120 degrees for an it through a cloth fine enough to bag full of curd is then hung u that most of the whey may di morning the fine buttermilk skimmilk or whole milk until consistency similar to that of th cream. The product makes a that can be sold as buttermilk c

five to ten cents per pound. The yield should be from per one hundred pounds of greater yield per hundred poun be obtained by mixing about or milk with three-fourths butterm to stand over night at a tem; degrees; in the morning heat to ring for one hour, then stir the heat it again to 120 degrees this mixture is then dipped into to drain anywhere from twelve or until it gets the desired of moist granular curd is then m until the desired consistency mixture and the yield will be buttermilk cottage cheese per 10

considerable care must be ta of these products to prevent the ing the curd so that it is tough directions for getting the right c from his own trials the proj amount of cooking needed to acceptable to the trade.—Prof. Hoard's Dairyman.

#### The Cause of Fishy F

The U. S. Bureau of Animal studying the cause of fishy fla recently reported its finding i Of the undesirable flavors oily flavors may be classed as t and troublesome. They range tion of oil to a strong flavor o evident even to the indifferent flavor, which is one of the mo flavors, gives to butter a peculi mackerel or salmon. Butter i as fishy which is merely oily for any other.

While many things connecte ing industry have been ascril investigators are of the opir is not produced by the action but so far as can be ascertaine is a particular substance produ one of the combinations of the