Gardening on a Small Scale

W. H. Robertson, assistant horti-culturist of the Department of Agri-culture for the province of British Columbia, has just completed an arti-cle treating of gardening on a city lot. As the climate in British Conote that the estimate in British Co-lumbia is quite similar to that of many sections in Washington and Oregon, the findings should prove of interest to our readers. The first in-stallment of this article follows.

HE expenditure for vegetables for a family of five where all vegetables are purchased has been estimated at 35 cents per day, or \$126.75 per year. This sum represents from one-fifth to about oneeighth of the income of the average The greater part of these vegetables could be produced on spare land surrounding the home at an expense of but a few dollars for leaf production, as spinach, cabbage, seed, tools, and fertilizer; and, besides, the vegetables grown would be fresher and more would be used than when purchased.

supply of fresh vegetables may be had at all times of the year, as is shown by the following table:

Month. Vegetables. January.....Kale, parsnips, leeks, lettuce, parsley. February... Kale, parnips, leeks, lettuce, parsley.

Spinach, broccoli. Radish, onions, rhubarb, April. broccoli.

May. Asparagus, peas. June Early cabbage, carrots, beets.

July Early potatoes, parsnips, beans.

August Tomatoes, cauliflower, onions, cucumbers, summer squash. September_Cabbage, salsify, herbs.

October ___Celery, Brussels sprouts, leeks, Winter squash. November Fall lettuce, early spin-

ach. December .. Same as for January and February.

may be had through the Winter necessary are a strong spade or months, the gardener can have a shovel, hoe, and garden-rake. large variety stored, including pota- trowel for transplanting work will toes, beets, carrots, onions, celery, also be found to be useful. Depth squash and turnips.

Preparation of the Ground.

Too much stress cannot be placed on the importance of preparing a always set deeper than they stood good seed-bed. In the Fall, land inin the seed-bed. When transplantin the seed-bed. When transplanttended for gardening purposes in the seed-bed. When transplanting, be sure that the earth is well should be cleared of all rubish and packed around the roots in order ploughed or spaded to a depth of that root-action may start at once. not less than seven inches. This operation will leave the land rough, and after any transplanting is done and, besides opening the soil to the cultivation should be the rule. By effects of the weather and permit- keeping the ground thoroughly hoed, ting it to absorb a maximum of not only is moisture held in the rainfall, will aid in freeing it from soil, but the plant food in the soil injurious insects or other pests. No is made available through the action spring, unless some fertilizer is to be applied; the kind, time, and amount to apply is taken up under planting and to decrease the cost of

Even though the soil was well spaded in the Fall, the Winter rains will have packed it, so that another spading will be advisable in the Spring. Previous to this operation, all manures other than nitrate of soda should be applied will work well into the soil. Following this, the surface of the soil should be raked over with a handrake several times to rid the soil of any clods and to ensure a firm seedbed. As the planting is not all done at once, the unplanted area should be hoed and hand-raked before planting, in order to kill all weeds which may have started and to hold the moisture which is necessary to start the seed growing when it is planted.

Fertilizers.

Undoubtedly, well-rotted stable manure is the best fertilizer for the Besides the plant-food it garden. contains, it has a great value in improving the physical condition of the soil. It lightens heavy soils and makes them earlier, while it has a binding action on light soils, which increases their capacity for retaining moisture and accelerates the gestion of the systematic way in

ter rains are common, it is best to apply manure in the early Spring and work it into soil immediately.

Commercial fertilizers are also valuable, especially where manure is not available, and also when used in conjunction with barnyard manure. Their main value lies in the amount of nitrogen, phosphoric acid, ing up a plan are: and potash they contain. These three elements may be purchased ready mixed as a complete fertilizer, or the elements may be purchased separately and applied. Potash and planting. phosphatic manures should be applied during the Winter months; nitrate of soda, in which we find nitrogen in the most available form, should be applied to the growing crop, as it is easily washed out of the soil.

As a rule, crops grown for the and lettuce, require a higher per-centage of nitrogen than those grown for the root or tuber production, such as beets, carrots, pota-Because of the mild climate of toes, etc., which require a greater the Coast and Island districts a good acid. Since the vegetable garden is usually mixed as regards the fertilizer requirements, it is best to give a general dressing of fertilizer in the following proportions: Nitrate of soda, 10 lbs.; potash, 15 lbs.; phosphoric acid, 30 lbs. This applied to a garden 40x40 feet gives about 1 lb. to each 30 square feet, which should prove ample. The three need not be applied at once, as the best results come from applying them as mentioned previously.

The application of lime is also very beneficial to the soil, and when CAL TREATMENT. used should be applied during the Winter; 75 to 100 lbs. would be ample for a plot 40x40 feet.

In case the reader desires more information on the use of commerclal fertilizers, he should secure Circular No. 28 from the Department of Agriculture.

Planting and Cultivation.

When planting, a garden-line is necessary in order to ensure straight Besides the fresh vegetables which rows. All the tools that will be of planting seed will be found in the tables on this page. Transplanting should be done during the latter part of the day, and the plants are packed around the roots in order

After the seedlings begin to show hoeing.

| Ras | spherries |
|-------------|----------------|
| Gooseberrie | es Currants |
| Rhubard | Asparagus |
| Strawber | ries (old bed) |
| Earl | y Potatoes |
| Radish | Lettuce Herbs |
| Peas | |
| | Spinach |
| Onio | ns |
| | Carrots |
| Beet | 8 |
| | Parsnips |
| Turn | ips |
| Beans | Sweet Corn |
| | Cabbage |
| Ca | uliflower |
| L | ate Potatoes |
| | |
| | |
| Strawber | ries (new bed) |

Plan for a Small Garden.

Garden-Plan.

The following plan is only a sugliberation of plant-food. Where Win- which a piece of ground 40x40 feet

may be planted. In some cases the area that can be devoted to vegetable gardens may be larger or even smaller. Rotation should be practised, so that by the time the early radish, spinach, peas, etc., are fin-ished, their place would be taken by eucumbers, squash, tomatoes, etc., which have been started in a hotbed, window-box, or secured from a greehouse.

Points to be remembered in draw-

(1) Make a measurement of your

(2) The planting table shown will give some idea of distances for

(3) Plant in straight lines to conserve space.

(4) Keep the perennials (such as

small fruits) together. (5) Plant early season vegetables

together, so that when they are removed the same piece of ground may be planted to a late crop.

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References: R. L. Gillespie, M. D.; B. L.
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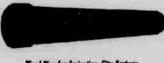
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