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## THE

## CANADIAN GARDENER;

CONTAINING

## PRACTICAL DIRECTIONS

TOA THE
KITCHEN AND FRUIT GARDEN;

AND ALSO
A BRIEF TREATISE ON FIELD CULTURE;

ADAPTED TO THE CLIMATE AND SOII.
OF CANADA.

BY ASA PARKER, GARDENER AND SEEDSMAN, OF AXLMER.
"I went by his garden, and saw the wild brier;
The thom and the thistle grow broader and higher;
The clothes that hang o'er him are turning to rags, -
Forgetting his garden he starves or he begs."

AYLMER; PRINTED aY THOMAS WATSON.
1851.

## INTRODUCTION

The commpiler will not claim to be -the sole author of the following pages; his object is to extract, from the best authority, such parts of Kitchen Gardening as may be properly managed in this northern latitude; whilst at the same time a great part of the work will contain his own views on situation, soil, fenc A. trenching, laying out of the garden, management of the hot-bed, and the propagation and cultivation of vegetables, fruits and herbs.
${ }^{2}$ In presenting the 'Canadian Gardener' in a cheap and condensed form, the writer will find it necessary to omit giving instructions on such articles as cannot be raised successfully in Canada; but will confine himself to that part of gardening
which those ought to know, who have a rod of land to cultivate ;-a desire to add to their own knowledge, or a wish to ornament a country which can boast of one of the richest soils inhabited by a civilized and enlightened people.

The compiler, in following his horticultural pursuits for the last ten years, has forfned acquaintance with many gentlemen inhabiting the valley of the Ottawa and vicinity, who have shown a disposition and expressed a desire, that he would undertale a work of this kind; and in compliance with their request he now offers this small treatise on the management of the kitchen garden, and such fruits as can be easily propagated ${ }^{1} \mathrm{in}$ a new country; together with many medicinal and culinary herps of which loyery family should bein
 To give a complete treatise on fruit \&e., Would be exteffoíng this work beyond its
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This work, though small, will be divided into three parts, viz:- I Pat
1st. Part. On the Kitchen Garden, Soil, Preparation, Trenching, Clay Subsoil, Fencing, Lay-
ing out, Manure, Sandy Soil, Clay Soil, Hot-bed, Sowing on opon ground and Rotation of Crops.
2nd. On the propagation and cultivation of Vegetables and Fruits. See Index.

3rd, On the propagation and cultivation of
Iedicinal and Pot Herbs. See Indea.
3rd, On the propagation and cultiv
Medieinal and Pot Herbs. See Indec. Vegetables and Fruits. See Index.

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PARTI.
On the Kitchen Garden, Soil, Preparation, Trenching, Clay Subsoi, Fencing, Laying out, Manure, Sandy Soil, Clay Soil, Hot-bed, Soving on open ground and Rotation of Crops. 2

KITCHEN GARDEN.
Situation. Those who have only land enough to cultivate for a garden, must be content with its situation; but to those who are in possession of a farm, I would advise, (as it is generally admitted, ) that the garden be situated, on a gentle declivity to the south and east, -yet it is admitted that a northern situation will suit some vegetables best; such as the Cauliflower, Cabbage, Fnglish Bean, Spinach, Lettuce and other salads. Gooseberries will also ripen best when excluded from the mid-day sun. As earliness of production is an important object to the gardener, I would advise the former situation, viz., a south east situation, as many vegetables can be raised under the north side of the south fence.

As to form, it should be either square or oblong. If oblong, the longest side may be situated east and weat,- I would recommend the latter form, 2s it would tend to raise a larger quantity of garden produce atian early period, under its northern fence. As to declivity of situation, a descent of che foot in twenty is recommended. Should the

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soil, however, be light and sandy, I would recommend a perfect level situation, as in this case, heavy spring rains would have no tendency to wash away the seeds from their beds, destroy young plants, or carry off the best of the soil.

It is an old adage, "out of sight out of mind." Lest this may be the case, I would advise that th the garden be not far distant from the dwellinghouse, nor directly in front of it. It is recommended to have water convenient, although Mr. Cobbett states that "watering with a wateringpot is of little use, and that it is better to trust to judicious tillage, and to the dews and rains, and that a man can raise more moisture with a hoe or spade in one day than he can pour out of a watering pot in a month. "Mr. Cobbet, as a good writer must be admired, although his views on this subject may not on all occasions of this kind be relied upon. Let his views on the subject be however as they may, I would advise every gardener and farmer, to stir their grounds as much as possible, in dry weather, as it will add greatly to the crops.

Som. The best kind of soil for a vegetable garden, is a deep rich loam rather inclining to sand. A strong stubborn clay should be avoided. These selections are intended for garden vagetables generally, yet some of the same may do best in soil of a clayey nature, whilst others do best in a very sandy sail- these will be treatedupon separately aswe proceed.

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Preparation. Having recommended a situation for the kitchen garden, the next process is. to prepare the ground-which is to be dome in the following manner: Firstly, by ploughing and harrowing until the surface be perfectly smooth and clean. Secondly, by a good coat of well-rotted manure and \& double ploughing ; that is two furrows deep with a good sized plough this should move the ground to the depth of fourteen or sixteen inches, which consequently will throw up a considerable quantity of the subsoil.

I would recommend that another dressing of compost or manure be added, and a single ploughing after. For the purpose of making the surface éven, the latter ploughing should be back furrowed, by commencing where the former ploughing was finished, and turfing the team on the opposite side. Should your garden be wide enough, I recommend cross-ploughing; or what is much better, good trenching two spades deep, that is, the length of two garden spado blades, which will at least be two feet deep. This depth is not unreasonable should your soil admit of it, but if inadmissible, let the trench be as near to the measure as pessible.

Trenchive. This is done in the following manner: - Begin at one end of the piece of ground, and shovel out two feet deep and two feet wide. Cast the soil, dug up, on ground which you do not intend to trench; shovel out the bottom clean, and make the sides of your trench as near perpendicular as possible; thus you have

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a clean open trench, running all along one end of your garden ground: You will, as a matter of course, observe the necessity of using a wheel or other barrow, in conveying the soil dug out, inta the last trench. Lest this might not be understood, after completing your first trench, you will then take another piece all along two feet wide, and put the earth that this new piece contains into the trench, taking of the top of the new two feet wide, and turning that top down into the bottom of the trench, and then taking the remainder of the earth of the new two feet wide and pla. cing it on the top of the earth just turned into the bottom of the trench. Thus when you have again shovelled out the bottom, you have another clean trench two feet wide and two feet deep.You will thus proceed till the whole of yourgars den ground be trenched, and then it will have been cleanly turned over to the depth of two feet. This should be done in the fall, and in consequence of the subsoil being on the top, it should have a dressing of manure in the spring, and well mixed by digging.

Clay Subsoil. Should your subsoil be ettff clay it should hot be cast upon the surface at once, but should be loosened up with the subsoil plough or spade, as per example, see trenching. Observe that the bottom or clay part should be well broken up and not cast out: This indeed, is not all that should be performed as the under ground drainings must be well attended to - theso. may be under the garden walks. Finally, the

Laying-out. Thelaying-ont of a garden cón. cists in the division of it into several parts and in the allotting of those several parts to the several purposes for which a garden is made. These parts consist of Walls, Paths, Plats, Bor-

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ders, and a Hot-bed Ground. "As to tho art of laying-ont, it would be to insult the understanding of the American or Canadian Farmer, to suppose him to stand in need of any instructions. A chain or a line and pole, are all he can want for the purpose, and those he has always in hand. To form the walks and paths is in fact to lay-out the Garden;" but the walks and paths must be
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10 art of derstandr, to supructions. an want in hand. o lay-out must be unt, that sake of e made feet in 1 the re
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larger om this find it nanure d. may ews on ames's he pe. a man re one
ncre of land. " Whether weattain to such a dogree of chemical knowledge or not, we should not cease trying experiments on a small scale. When the proper manures are once discovered, we should use them with caution, as an indiscreet use of them will destroy the seed or plants and thus defeat the cultivators object.
As some cultivators, by their method of using manure shew that they have very erroneous ideas as to its real object or utility, I would remind such that manure should be applied with a view to renovate and strengthen the natural soil, and not as a receptacle for seed. In order that manure may have a salutary effect, it should be thoroughly incorporated with the earth, by the operation of digging or ploughing. When it is used in hills or on a given spot, it should be well pulverized and mixed with the earth, so as to form a compost. These remarks apply especially to strong animal manures, the excrement of fowls, as also to soapers, tanners, and glue manufacturer's manure, rags, dec. Lime ashes, bone-dust poudrate, urate, salt, sulphur, gypsum, nitrate of potash and other portable manures, may be sown over the land previous to harrowing of raking it, or such manures may be formed into a compost when used in hills or drills. They should in overy case be used with caution.

Many gaideners can corroborate these facts, from having used strong compost as a mould for their hot-beds, thereby. poisoning the germs of Othe seed and causing the plants to die off premaTturely; cand it is notorious that a great propor-

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tion of failing crops is oocasioned by an injudicious mode of using manure.
"Clay or any earth burnt is excollent manuro for a garden, it has no seeds of weeds in it. A campost made of such ashes, some wood ashes, a amall portion of horse dung, rotten leaves and mould shovelled up under trees and round buildpugs, or on the side of roads, all these together putinto a heap and turned over several times make the best nanure for a garden,". times,

I find by experiment that sorrel is destroyed by sprinkling them with quick lime, it notoned
Lills the sarrel, byt the combination the alkali and, acid enriches thation formed by mitted that lime is injiurious the soil. It is adbut very beneficial to a collection of manure, matter, as it causes a quick decomposition ande will destroy in a great degree, decomposition, and and larvae of insects, whiche, the seeds of weeds lection. of insects, which may be in the colIt is well known, that manure will lose its most consequent evaporation. To prevent this, the manure must be ploughed or dug in immediately after the same be drawn on the gropud. in this northern section of Canada, who neglect lose, an article, which to the agriculturalist is
if husbanded und properly applied, might at na,

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## an injudici-

 nt manuro $s$ in it. $\quad \mathrm{A}$ od ashes, zaves and and buildtogether al times,Jestroyed t not only. rmed by It is admanure, egetable on, and f weeds the col-
its most ir and is, the diately
valy circimstances :- I hevo reference to manures.

A good hog-yard would also keep the hogs within their proper linits, and save both man and dog tho trouble of the wonted punishment so often inflicted on them, for their repeated encronchments on the fruits of industry.

The barn or stable yard, should be dishing, so as to retain all the liquid manure, and unless already on an imperviable soil should be paved with clay, and should be so located as to be se-: cure from wash no more than the quantity of water which must necessarily fall to the ground. A supply of litter, such as worthless vegetables, straw, brakes, turf, mud, and rich earth from the way side should be provided to absorb all juices of the yard and the gasses evolved by fermenation.
The hog-yard should be tightly enclosed and furnished with an abundant supply of material, which the occupants will convert into the best of manure, and ask you nothing for it. Lazy as they are, they may be made to work out half their living without ever mistrusting it. Thus mueh for the preservation of manures.

Light Sandy Soh: Treatment. This kind of soil should be dressed with some alluvial compost, olay, marl, or some such substance as will give a body or strength to it - cow or hog dung with salt might be added. Clay alone would improve it-this should be drawn in the fall or winter, and spread so that the frost ma $t$ upon

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it. In the spring, when the clay is ready to pul. verize, harrow it well before ploughing.

The abovementioned quality of soil may be much improved by working it when in a moist state; but ploughing or digging sandy land in the fall is not considered beneficial.

Chat Soll :- TREATMENT
should have a dressing, comp. This sort of soil ashes, sand, and whatever posed of horse dung, particles and open the per tends to separate the

It is gerierally know pores of the clay. improved by fall plowg that such land is greatly situation, it should be ploing-if level or in a low ach manner that water may into ridges, in Gardens should bo rat man off. ridges in the fall. be rough dug and thrown into

## Hot - Bed. The prevalent opinion amongs farmers respecting hot-beds is, that they are ex-

 pensive, articles, requiring the skill of professed gardeners to manage them, and almost entirely beyond the range of farming economy. Both suppositions are decidedly erroneous, and we hope that every-one who reads this will imrive at the fame conclusion. We do not propose that every farmer should go into the regular rontine of for. cing vegetables at extraordinary seasons, but that every farmer, however humble his circumstan. ces may be, should at least have a hot-bed to forward such plants as he may want to cultivate inIn preparing a frame and lights for a hot-bed, sopie previous instructions on the subject will be necossary, (unless it be well understood by the person who is to make the bed.) The sash should be made of good two-iuch plank, withoat cross bars, in which there are to be four rows of panes of small glass. The sash is to be well painted; and in glofing, begin at the bottom and overlap each light about one-fourth of an inch, so that the rain water may ran off. The length of the sash is to be in preportion to the extent of the bed; but by no means over six feet, and no more than four sashes to each frame, and the latter to be made of plank, which is to fit the sash. The back part of the frame to be nearly three feet high, and the front about half the same in height.
The site should be a dry plaoe open to the sun and sheltered from the northerly and easterly winds. Previous to making the bed, manure should be prepared, which may be unfermented stable dung. The preparation is simply this:Throw it into a heap, and when a smart fermentation occurs, turn it over.

In making a bed, the European system is to build above ground three or four feet high; but in this country of sharp wind and dry atmosphere; I should deem it best to dig about eighteen inches below the surface, if the ground be not: too wet; in this way two foet of dung, when settled, is sufficient. The former method is however preferable, should you want your plants to have an early statt, as it gives a chance for lining

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(that is to place hot manure all round the frame to the top of the latter, which will keep up the fork evenly over the whake the manire with a the size of your frame If your dung lrame. on this set your frame apply wator to the same; of good rich soil, with and in it also put six inohes on your lights, and when the Your glass and stir the soil. heat rises, move off: very strong, wait a fow days Should the heat be admit plenty of air both beforefor sowing, and riod; in fuot, the more air the and after this pethere bo heat enought to encourtinter, provided tho sowing should be encourfige negetationplants appent, thin them neatly done. After the them plenty of water and out if needed, ind give of March or first of April, I find the last enough to sow for transplanting. periods early紋
 reep up the ssary. )

## ure with a

 1 should bo the same; six inohes nd. Put move of o. heat be ring, and this peprovided tation fer the ind give the last s carlyREMARKS ON SOWING IN THE OPEN GROUND.

It may here be mentioned that the exact depth will not always be given, because some soils are of a heavy and moist nature; in this kind of soil, it will not answer to sow the seed so deep as in light ground. The same may also be observed in rolling or settling the ground after sowing. It may also bo remarked, that when any particular distance is mentioned, it is intended fow a medium garden soil. In a very rich soil, the plants may require more room, whilst in a very poor soil, they may do perhaps with a little less.

THE or Sowing. With regard to the period of sowing the various kinds of seeds, the adage " there is a time for everything," must be admitted; but, however, as the seasons in this northern latitude, are so various, it is not in the power of man to point out the particular days that each kind of seed ought to be sown. I will nevertheless, make some mention, when most Kinds may be sown. As a general rule, no seeds should ever be sown till the ground pulverizes, and works fine, as it is indispensably necessary

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that the earth should come in contact with the seed; which may be done by pressing the former, with a roller or any other convenient implement, the ground is in a wet state, the same will become hard and crasty when dry ; prevent the seed from rising, and also prevent the benefit of towards vegetation.

Should the ground be very light and sandy, (with the exception of pressing the ground after sowing, which olight at all times to be attended to.) Chaptel, in his celebrated remarks on agriculture, states that leached ushes is a powerful manure, particularly on wet soils.

For firther information, see the conclusion of the second part.

## Rotation of Crops. Every well-informed

 agriculturalist is a ware that a rotation of crops is highly beneficial.Without entering minutely into the subject, it may be well to remark that root crops should sueceed dry crops, and vice versa, but this rule will not apply so well to the garden; as dry crops seldom cultivated there.

In the culture of esculents, even on a small plete, might be aimed at, and would be very cont mplement, one when e will beevent the benefit of necessary
ad sandy, observed, und after attonded son agripowerful
lusion of
viderably furthered by classing certain vegeta. bles, as the Brassica or Cabbage kinds, the leguminous or pea kinds, the bulbous or onion kinds, and the light crops or salad kinds.

The following Letter is a literal copy, and is here introduced to the notice of the Canadian Farmer, in order to shew him what benefit may be derived from a small piece of ground, and, as experimental knowledge is our principal object, it ought to be deemed a matter of same importance, to publish in this small work, the practical and theoretical ideas of others ; particularly those emanating from so croditable a source as that of the author of this letter. The hope is therefore indulged that it may stimulate others to "go and do Hkewise," as it is much to be lamented that the "root crop" is too much neglected in these provinces.

> Dear Sir,

Hawkesbury, Sept., 1849.
In reply to your letter of the 20 th . August, I beg to state, that in the year 1845, I raised on seven acres of land, 12 tons of hay, 15 . bushels oats, $17 \frac{1}{2}$ bushels wheat, 20 bushels corn, 20 bushels potatoes, and 4 bushels onions, besides 400 bushels carrots, beets and turnips, mixed. The kinds of beet which I am in the habit of ultivating are the white beet, the blood beet, and the Bassano beet ; and I find that for feeding cattle, they are superior to the Swedish turaip by one-fourth. Milch cows that have been

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 of June. I plentiful, and equal in flavor to that harvested before thep opinion that beans should be. dried under cover. Whe thoroughly ripe, and straw makes excellent fhen saved in this way, the and is as eagerly sought afte for cows and sheep, have never used any other mer as the best hay. I my barn yard, with the exce manure than that from tity of gypsum, which I exception of a small quanon my hay land. Thave dused in 1845, principally years planted out beets, during the last three great success. The seed carrots and turnips with been found to be fully eed which I have raised has. a foreign market; and I fal to any imported from that seed raised in this I feel justified in saying brought from a more south couny is superior to ang have raised at the rate of of corn one. This year I Iy productive, and one decre. This corn is equalover others is, its ripenin decided advantage it has This year I planted ripening two weeks earlier. and harvested it on the corn on the 20 th of May, it being sufficiently ripe. and 3rd September, standing the dry weather My beets, notwith1000 buishels per acre. this season. Oats are. My hay is a light crop. grain is good. I hare shopt in the straw, but the I am, Sir, your obed sown this year. C. P. Treadwell, Esquer Stevens. L'Original.
## PARTII,

Qin $\frac{1}{\text { e e propaǵation and cultivation of Vegetables }}$ small qual $t$ has rlier. May, iber, rith 10 to
thop

Pyrus Malus. It was not my intention to treat upon the culture of the Apple-tree, but as many are desirous of raising the apple in their gardens, I deem it not too irrelevant to make a few remarks.

No method of propagation can be injurious to the health or longevity of a tree which produces the plant perfect in all its parts, a fact which is abundantly proved by time and trial. The apple is one, to the culture and improvement of which, the soil and climate of this country seem particularly congenial. A large variety have been produced, rivalling those of the eastern hemisphere; and the gardens and nurseries of Europe, send annially to this country for great numbers of trees of our estecmed varicties, which are there classed in the first rank.

For this fruit, rich, strong loamy lands are the most appropriate, and as the roots are more hori-

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Eontal than perdendicular, it does not require so deep a soil as the pear. In fact, the apple will succeed in any soil except a quick-sand or a cold clay, if the ground is kept under cultivation and derable degree of soils that possess a very consiWet, suit the apple very be destructive to the pearell, whilst they would In transplanting the apple or any other tree of large growth, a hole should be made large enough than four feet in of the roots, that is, not less twenty-four inches deter, and from fifteen to best earth for the bottop. Select the richest and roots must be cut ofr and or injured parts of the after which, it is advisable the limbs shortened, to make as much earth ade to wet the roots so as possible, The tree should ade to the same as upright position, and to stand then be placed in an inches deeper than it did stand about one or two ful that all the roots are the nursery. Be carenatural in the grotind. perfectly straight and and tie with a soft string. Stake them ap strongly Future Treatment. In pruning the Applethe external branches shard trees, the points of dered thin and pervious to li be everywhere ren. ternal parts of the tree may to light, so that the inby the external parts. Way not be wholly shaded diciously executed his work the pruner has jutree, internal as wèl work, every part of the 2. as external, will be produc-

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not require so the apple will sand or a cold ultivation and a very consi10t absolutely they would
other tree of arge enough is, not less fifteen to richest and and about arts of the shortened, roots so as
same as ced in an or two Be careight and strongly

Appleints of re ren. the inshaded has juof the roduc.
tive of fruit, and the internal part, in unfavaurable seasons, will rather receive proteotion than injury from the oxtemal. The most preferable season for transplanting is the Spring, the wincers being so lohg and severe, that those transplanted in the Fall may be materially injuredat the same time, I have known many to succeed well after a Fall transplanting. $\mathbf{M y}$ reason for dtating that those transplanted in tho Fall may De materially injured is, because the root of the young tree being so limited in-extent, if planted in tenacious sol, is liable to be lifted by the frost.

Should your trees be laid by in the Fall for spring transplantation, they are to be laid in a slanting position with the roots well cavered. Mulching is a good practice, that is, place a few bushels of coarse dung or litter about each tree after it is transplanted.

## ASPARAGUS.

Officinalis. Thisshould ocoupy the best ground in the garden. [ See Article on soil and prepaation. $]$

The following directions for cultivating Asparagus, are from the second volume of the Memoirs of the New York Board of Agricilture they ware furnished by Richard Treat, the oldent

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gardener at the Shaker Village, in New Lebanon, Columbia County, Sitate of Now York. The ground must be when cleared from frost. of a spade blade, and well worked, to the depth ten horse mantre; intimately mized with rot. sown in rows or drills, the seeds shotuld then be one inch deen, the row, twenty inches apart and they should be raked in crosswise of the beds Asparagus will be larg length wise of the rown: the third spring after en enough to begin to cut, until the 20 th. of June it sown. It may be cut As soon as the cutting, every year, afterwards. lightly, so. as to loosen theason is over, hoe it face even. Every en the soil and make the sur's an inch layer of good yer year, spread on each bed generally seed well, Early in a great size abd the dry tops close to the grouin the spring, cat on the beds and burn them ground, lay them evenly beds over and rake them there; then hoe the propared for ainew growth again - they are then have the ground would at the same time, prefer to He oitght to have diug deeper than one spade blade. be thinned in the drills to that the plants should above remarks were writte foot. Where the mences earlier than in mritten, vegetation co and there, perhaps, the 20th. pparts of Canada, of gh to continue cutting. 20 of June is late en. the munth of July, withont Here, we may cut in

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n New Leban. W Yort.
is the groind drom frost. to the depth xer with rot. uld then bo s apart and the beds of the town egin to out, may be cut afterwards. er, hoe ke the suri. $n$ each bed efore hoe. at size ahd oring, cut m evenly hoe the are then he above arefer to e blade. should ore the Co arada, ttecen. cut in - the
plants. Abercromby recommends renewing the plaptation in ten or twelve years; but in this country, the season of vegetation is so short, I am of opinion that the plants may remain twenty years or more, ere they get too compact.
I ohould highly racommend that a sprinkling of salt and wood ashes, be added at the spring dressing. In cutting the crop for use, insert your Lhife down in a slanting direction, so that you may not cut the buds which have not yet made their appearance.

## ARTICHOKE:

 ( GLOBL :)Gymara Scalymus. A plant little cultivated in: Ametion, aid in my opinion neworthy of cultivation. My reason for stating so is, that it is of so delicate a nature, particularattendance must be devoted towrards its cultivation; and perhapa with mall profit.

## 28

## JERUSALEM ARTICHOKE.

## Redianurus Tuberasis. This plant is a hardy

 perennial, and is of the same plant is a hardy flower. It is said to be a native of Brazil, and in use long before the potatoe was known in Europe. It is propagated and cultivated as the potatoo, and is generally considered a cordon vegetable. Its oultivation is not desirable a in a sman vell garden, as the tubers stand the hardeste in a srost, andis of so prolific much space. Its nature, that it occupies tond deavors to uproot it. defiance to the spade in its ent most profitable productis vegetable is one of the liberty of bounding over the of the soil, I take the pose to give the farmer, a fe garden fence, on purgleaned from the "British A fow hints which I have and also from other works, to erican Cultivator," experience relative to this, together with my own is true, never caltivated it vegetable. 1 have, it, theless I believe in its atility any extent, neverOne man in one of the utity. 1 .its s never. on one acre of good land, middle States, raised EElianthus Tuberasus. And, 1200 bushels of the two acres of his land Another man states that quantity of 1500 bushels produced the enormous the spring of the year, and these were all dug in mised on laind of an ordina latter quantity of food encreased the mill quality. This kind growth of the lambs. milt of the ewes and

## 29

KE.
is a hardy is the sunazil, and in wn in Eu: as the pow rden vegein a small frost, and uppies too 300 great in its en on shewh te of the take the on plir. 1 Thave ivator;" my own have, it never.

## 30

 distance, writers oas they vary from 2 his subject seom to disa gree I would, however 1 to 41 feet betweer the rows feot apart, and eight adviso drill planting, - three As an implement, I wonld inches apart in the drill. the weeds, until they are igh soas to keep down sion of the soil, and will ihey will take posises. dance.


## BEA N (engeteh, )

the bean, which. There are two distinct species of bean or horse bean, and pho wit, vicia faba, garden ney bean. The want phasealue vul garis, or kid. these two different gent of distinguishing between lead to orroneous prenera or sorts of plants, may
The vicia jaba or ivator. the Engith Bean, or garden bean, (often called from, two to four feet in height, with plant, risking middle of the wing ; with a black spot in the: within and enclosing the lar pods thiok, woolly for the wake of which the plarge ovate flatted weedly.

## 31

 1g,- threo n the drill. cultivator, eep down twonty. ro posises. or atten.1 Subsmuent Culture. Ao the plants come up.and advance from four to six inches high, hoe up some earth to the stems on both sides of cach row, cutting down all weeds. Repeat the hooing, uss future weeds arise, both to keep the ground about the plants clean and to loosen the earth to encourage their growth. In' earthing' up, great care must be taken that the earth docs not fall on the centre of the plant so as to hury it, for this :occasions it to rot or fail. After eariling up, stir between tho orows with a three-pronged fork.

## KIDNEY BEAN.

Phisiolus Vulgaris. Endless is the variety of sorts. Some are dwarfs, some climbers; but the mode of qultivating and propagating is nearly the same in all, except that the dwarf require smaller distances than the climbers, and that the latter are grown with poles, which the former are not. In this fine country, (Canada, the seed is so good, the soil and climate so favorable to the plant, the use of the vegetableso general, the propagation and cultivation so easy and so

## 32

## woll undentood, that littlo in dotail need be maid

 about thom. I prefor sowing dotail need bo caid to nowing them in bunohes or clamurfs it is great object to have them early, and they may a little pains. It is than they usoless to tly are, with the ground is cold, for the to sow thom twhile As to the main crop is by no means ndvisable in the ground, which is yoll do, the seed ndivisable long Weather frequently mume up feebly; the cold and they then never prodes them look yellow. the various sorts of pole buce a good orop. Of fit for ush, for if yougatheans, one sowing will summer; espey continue bearing the beins become lights in heati, and $y_{p}$ the Limaa bo all through the too dry, and which for which ma bean, whith do the ground be fich should nevo weather can be is As these sorts of trarm. English ble that the former diffor so materially, it - considerable nown in a stiff, moist, fabia or hints have already ben of clur, moist lonm, with latter bean, pheady been givelay, and sufficient ioliks out given relative sufficient
## 33

need bo mid vard in row aps. It is: nd they miy ly are, with hem whilo. brow till it

Is ndvisable d lies long us to this the cold yellow, crop. Of *ing will become ough the toh do can bo $n$ until
ally, i zica or With icient
the

## BEET.

Betc. There are varieties of this vegatable, the best of which for the table, are the early blood-tarnip-rooted and long blood-red. The not in which it dolights, is a deep rich loamy kind. Should a fow for carly use be denised, I would adviso sowing as early in the epring as the ground may admit. If for a general crop, let the powing bo delayed until May, as the roott will be much larger and better than those from early planting, Which from being frequently stunted in growth by the various changes of weather, become tough; tringy, and of únhandsome shape. In case of the fuilure of crops, or of unfavorable weather in May, Beet seed planted the first week in Juñe, Will sometimes prodice large handsome roots, which may be preserved for winter use.

I secommend that the seed be soaked in son luke-warm water for at least twenty-four hours; to be sown in drills from one to two inches deep, and fifteen inches apart, if in beds. When they ettablish their vegetation, they may be thinned to aboit eight inches apart. In all cases the soil should be pressed down immediately after sowing, partioularly that of a light quality.

## 34

## MANGEL WURTZELL BEET, SUGAR OR FRENCH BEET.

 These Beetante ture, and their me chiefly intended for field cul. lowed thus: - After of cultivation may be folbe firrowed two and a half lis prepared, it may space to admit a plotigh or feet, or of sufficient tween the drills. The or cultivator to pass befurrows and covered with mure to be put pasto be the plough. After this procth a double mould board ed on the top of the rocess, a roller may be pass. and put in, as you would thad the seed prepared These vegetables are pect of the other beets. being raised in large quantitiarly calculated for: \&c., "and, according quantities as food for cattle phry Davy, they cont to the analysis of Sir Hum. than the carrot and much more nourishment have confirmed his statement, ${ }^{\text {and }}$, since made,$$
B \& \oint C O L
$$

Brassica Oleracea. There ate several varieties of brocoli, which a re merely late heading. variethe ones which may be cult early kinds only, Eire in this country. For preparatiod with sticcess ( sce "Cauliflower."). ( and cultivation,

## 35

## BEET,

EET. for field cul may bo folpared, it may of sufficient to pass beput into the mould board nay be pass. ed prepared ther beets. sulated for 1 for cattle Sir Humurishment nce made,
varieties g varieuly, are sticcess ivation,

## BRUSSEL SPROUTS,

Botanic name as above. This plant is of tho cabbage tribe, rising from three to four feet high, with heads issuing from the base of the leaves, like small cabbages, an inch or two in diametery these are very tender and delicate when boiled after being ameliorated by frosts. In the spring, they yield abundance of fine sprouts. Sow in May, and cultivate them like cabbages, proţecting them in the winter.

## BORECOLE

Botanic name as above. This also is of the Kale or Cabbage tribe. Loudon says it has an open head with wrinkled or curled leaves, and is of a peculiar and hardy constitution; the crown or centre, after being duly ameliorated by frost, is cut and boiled; it is extremely sweet and de:licate. I would recommend them to be preserved through the winter, in the same way as the cabbage. In the spring, plant out the stems, Which send forth delicious sprouts. Sow the seed at the same period as that of the cabbage.

## CAULIFLOWER

Brassica Oleracea, var Botrytis. The caulifowor is raised from seed, of which half an ounce wide, bjent for a seed-bed four feet and a half bed may be light, buth. The soil far the seedcannot be too rich, it, for final transplanting, it being reputed a rough feauliflower, tike the vine,
These vegetables: are treated gencrally like cabbages; they may be tranted gencrally like feet apart, in a very rich and rather moist loam. A rich soil is indispensable for their succeessful
culture This delicious vegetable, as well as the brocoli, (I am sorry to find it has in Caltivation, than great favorite in Europe, añd Donada. It is a me the caulifowner, tlawers of the garden, give To raise the caulifower for use in the spring, of enfly part of the summer, they ought to to be thry in the fall, and prese wed in healihthrough triffing task. Our C must acknowledge, is hot a chort, that they would Cadian springs also, ate a feotion her the theld not probably come to por? ceaton pand would commencement of the pactations of their consequently thivert our ey experience, however, I amen confident that the

## 37

## $\boldsymbol{R}$.

he caulifiow. If an oince and a half the seedplanting, it Ke the vine,
terally like 1 about 21 noist loam. successful
le brocoli, tion, than It is a Johnson len, give spring. t to be threugh - mota varaso to por
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## 38

## Tige of Sowing. Much has been

Written by divers authors rolative to sell said and of cabbage seed in the fall, for to the sowing the spring ; but they sionke for transplauting in countries and not for come and wrote for other recom men'd sowing in a hada. For early nise, I of March or the first of hot-bed, towards the last vice be followed, you will. Should this adand healthy when the will fird your plants strongplanting them; provided period arrives for trangmay have boen admitted light and air onough. ment in the hot-bed. duced by "pricking out" The best plants are proa well prepared bed, in drill when quite small prothree inches in the drill drillssix inches apart and or twonty days. Whill,-there to remain fiftoen as this process, is to hat may answer equally well out " os above. A knif in drills, and "thinned to cut off in a slanting positio bo inserted under the surface their tap roots, about and deep onoing nate, and will his will cause new the inchos below out th case have the same eur roots to gormi. to, the plants the above directionect as pricking to that they may bo "oninned ons bo not attended planting. " riay be straight and st when young, The state of th Shtand strong for trans: oid are performed is weather wher these operati. and has thén a subbject of matterof indifference, commending dey wet of controversy, some rematy cases of disputather, others, wet, $\boldsymbol{A}$ s in them, that is moisptation the truth wet, As in Wet, and precitely that the is neither dry not not.
been said and to the sowing nsplauting in ote for other early nse, I vards the last. uld this adplants strong is frans. air onoigh ir confine. ts are prosmall into $s$ apart and ain fiftoen ually well "thinned ted under ponóugh los below ogermi. pricking ittended young, rtrans-
peratirence, ne re. As in ween nor ting

## the roots, growth.

 uhis will retard their young cabbage plan that the turnip fly will destroy the ground, and often see., soon after they crack tion of the seed, on it is laid to tho imperfec. To guard, therefore cabbage on top of rere, against this $f_{y}$, sow your or mound which may bo root-hollse, or in a box they attaio sut to a triftiound, as in thoir fight, Presenviation. the winter in this To preserve cabbage throngh difficulty; as others country, is a task of no smail success the following however, have tried with the pleasire of introdnethod, twill do myith hard frost, take previous to the your totice. spring lise, in a ap your cabbages fiting in of the ward and let thenry day ; turn thes for winter and drain off any water remain so for in tops down? their leaves; water that may be a few olayn- to earth, in a well make choice of lodged between plant them down sheltered warn a ridge of dry we ahother, ben to their heads exposure, and leaves: Imp, haying previouds therein, close to temporary shed intely over iously taken off their porfectly free from any.kint, that, wireot a low both onds to admit wet, which is to will teep them done in ary weathe a omrent of air; to open at Qboed with strather, and the ary, this io to be at
## 41

## vill retard their

fy will destroy er they, crack the imperfec. Ay, sow your in $A$ box several feet thoir Aight,
ge throigh no small ried with to myself rotice. in of the nter and down: $\mathrm{Sa}_{8}$ to etween of dry e, and lose to their 10w them
a at
obe
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ery

## CUCUMBER.

## Cucumis satives.

 propagation and culti $T o$ give minute rules for the Canadian farmer, woulign of this plant, to the brief, however, I should be superftuous. To be the short-prickly, aarly reconmend for culture, as they are in my opinion cluster, and long-prickly, others of a larger growion the best. There are er and others which growth, such as the prize-fightThe latter are not very to a very large size. and not prolific. very agreeuble to the palate, Thaz of Planting. not be sown in the open The cneumber should seeds may rot. If, how ground too cariy, lest the up, they will have a sidever, they should come Who have the means to sickly appearance. Those commence sowing a force this vegetable, may Gardeners formerl a month earlier. bers, melons, sce. " ty used small pots to cucumconvenience of tirning was on purpose for the the plantand soil toget qut the "ball," ( that is at the commencement cently it has been disco of good weather. Re. of sod, six inches sqiscovered that a mellow piece laid evenly over your iare and two or three thick, and about half an inch anart the grassy side down, about one and a-half inchart. Next, cover them
## 43

den soil, sow six for oight seeds on each son, and add one inch mote of the same soit as pibovementioned on thie top of your seeds-for the management of your bed-sce Hot-bed! As soon as two rongh leaves of the plant will have made their appearance, or even when the season has beconie warma and settled, yoil may prepare the hills where the plant is to grow, nfter which you will lint the sods by placing your hands beneath them, and the plants áre then to be placed in their destined spot; you will be careful at the same time not to injure the roots. After this process, you muy dress the hills, and be careful to water and shade them for a few days after.
r should
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Id come
Those
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cucum-
for the
that is round,
R.
piece thick, lown, sax:

## 44

wide and one foot deep; throwing out the earth oqually on both sides of the tronch; the ground in which you make the trenches may be in a compost manure not fresh dung ; digsinting partly of wood ashes, very fine. Take your the manure and make all the long roots; shorten the pland trim them of side shoots or off-sets, and tops, pick off all the apart. You may hoo them with them six inohes not too advance in growth with a small hoe, and them. In ch at one period, lest them up, but the leaves, going through this you smother the outer and the earth may not process, hold ap and inner ones. not get between Presirvition. through the winter To keep this placed in an uprier, they are to be vegetable good root-house, imbedded position in taken up, and the upper part of eded in sandy or your cellar or क.My upper part of the blanched or loamy soil, to 4hed or eatable portion.


## CITRON

Cucurbita citrullus. This in Canada. for which purpose it is or, preser-
out the earth ; tho ground aay be in a it some good wood ashes, ind make all im them of $\$$ off all the 1 six inohes lall hoe, and $m^{4}$, but umother s, hold up between
able good n up, and cellar or soil, to portion. 4. 4013 सHO
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## CHERRY.

Prurius carassus. This tree being ornamental, and its fruit delicious, - being also one of the hardy kind, I recommend it for the garden, should the same be large enough, so as not to interfere with the vegetable departmont.
It should be impressed on the mind, thet all trees ought to be planted in the northorly and western parts, and some distance from the partin whioh you wish to raise vegetables. It often happong, that when a garden is limited in oxtent, too many trees are introduced therein; and this should be strictly guarded against.

As to its culture, it is equally easy as thatrof the Apple-tree.


 CARAWAY.

Camus oaruo. Tho oaraway is a biennial plant, and is cyltivated chiefly for its seed, which, is ured in confectionary and modicina; it is rafed from seed sown in the fall of the year, as goones the sead is nipe. It will soon male ith anpearance, when it is to be thinned to the diftanog of one foot each way. If the sowing be dolajed


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## CORN <br> (imblin.)

Zea mayez. I will hot now undertake to state the varions methods employed for the field cutpresumed my readere vegetable, with which it is but however, as it is are generally acquaintes is inary vegetable, and ised when green, is ainterl; shatl takethele, and introduced green, as a.emlcilture. It liberty of trenting into gairdens, I the sin. It likes a dry soil ongen a little on its may be . The small eurly yollow to the rays of becomes danted for carly use, wh Canadian corn,
Ifer the pry; the distunce, three fon the ground
for the plants make their three feet each wray. to be reduced to four in their appearance, they are

For a geieral crop, (field crop, ) it should not farmers, in days long past, been obeervod by bo plant general crup, (field cron, it conable time for planting corn is, "when the leaves of the white oak attain the. When the tenth to the This period mar size of a sugar corn shouldieth of May. The from the not till the grould be plainted four feet sweet or maty rot. ground becomes wirm, let apart, but The iter in warm, leat the soed green, fort which is useful only for boiling when A large quantity of highly enteemed.
andially necenary, towards its numue will

## CORN. (broom.)

take to stato fe field culwhich it is acquainted; D, as a.cule gairdens, I ttle on its rays of Idian corn, ground geh way. they are rould not rved! by ost sea ten the 2o of a om the veat or rt, but seed When et

Zea. This not being a culinary vegetablo, its mode of cultivition is in a grent measure onitted in works on gardenilig. As Canadian enter. prise is on the ndyance, I have often been asked by some of the enterprising characters, what I thought of its culture on a large scale in Canada; my unswer has been, that nothing in my view, can hinderits cultivation and propagation, as it hus already come here to perfection. As to tho way of raising it, I would, udvise the drill. culture as preferable.

Some of our enterprising farmers may please to observe, that as the Broom Manufuctory is attended with profit, and with a trifling capital, besides the seed being useful for domestio animals, its culture may well be attended ta.
"It is said that the sced of this plant is ex. cellent for sheep. Albert Hibbard, of North Hadley, tells us he makes use of the seed of his broom corn to fatten sheep, that they aro very foud of it, and will fatten better on this thath on Indian corn. Broom corn is raised in great quantities in the river town, where the brooms are made up and distributed to allesparts of the country." Mr, Hibbard think the broom corn more valuiable for sheep than onte or any grain pound for pound.


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## CRESS. (PEPPER-GRASS.)

culture, and with sum. This plant is very easy of It is very good in srow in almost any tind of soil, natrow drills, rather thals. It may be sown in in a tender state. A thick, and cut for use while season may be sown every week. COFFE E (CANADIAN.)
The culture of this plant has not as yet been tested by me. Nearly twelve months past, I wrote for the seed, but such was its demand and trell as it has with Mrould it succeed, with me, as de West, whose report. William Maroh of Canature has been laid port on the subject of its cunaAgricaltural Societ before the Directors of the pleasture by introduiety, (C. W.) I rectors of the of cultivating a planit, eqnals in flavor that of which, if report be correct, tropics. $\quad$ alat of the imported coffee of the

## CHIVESORCIYES

Allium schoenoprasum. This is a small epocies of onion, and grows in tufts. It is propagated by offisets from the roots, and may be planted in the spring or autumn. It is frequently used as edgings for borders.

That CHERIL
Choerophitlzum? This is an annual plant, with leares resembling double parsley; it is used in soups and salods.

CURAANT.

Ribes. The currant will grow in almost any soil, but best in that which is rich and loamy. There are many speciet, but the comimon reddutch is the kind generally cultivated, although the white and blaok, (ribet nigrum, ) are not altogether neglected. The latter variety bear the laigett borry, and its cultivation should be more attended to, on account of its extraordinary medicinal qualities.

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Another species called the Missouri currant, bears a bright purple berry, and is not of an unt, pleasant taste. It is of clean growth, and owing it is ranked as one of the ornamental garden



## EGG - PLANT.

Solanus Melongena.
of this plant, the white There are two varieties of which are used for culit and the purple, both larly the latter. They are natives some deem them delicious. raised here more for of warm clinate, and are a delicate annual and requent than use, they are hot-bed, then transplanequire to be raised in a. ground: $\quad$ arm and rich


## ENDIVE.

Cichorium endiva. This is an annual plant attain to a good size, foot each way. When they wanted as a satad, whicy may bo blanched, if
ing mannor:- Gather up the leaves when dry, In a careful manner, with your hands, the form you will gather them into may be that of a cone. Around this you may wind gently, some matting or soft string sufficient to keep them in their position, and in this form they are to renlain at least one fortnight, when they are fit for use.

- varieties urple, both es, particudelicious. and are ; they are aised in a and rich

Allium sativum. Garlick is a hardy perennial plant with a bulbous root. The bulb is composed of twelve or fiftéen subordinate bulbs, and prefers a light dry soil, rich bite rot recently dunged. It is propagated by planting the clóves or subdivision of the bulbs set them from four to six inches asunder, and about two or three itiches deep in drills.



Trucurbita. On this plant, Mr. Cobbett males the following remarks. "I do not know of any use that it is of. $\quad$.

So far is it of no use as a culinayy, vegetable, I will admit with Mr, Cobbett, but there are nevertheless, some varieties of this plant which

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may be medo

- gourds, (Cucurbita lo such as the large bottle ten to fifteen inches: $\bar{y}$.neria.) This grows from will hold from one to th length, and the shelis and make good de to three quarts; they are light last for years. chpers, and with good usage will ta bicolor, ) is a small bocoloured gourd, (cuciurbione part of a deep green ant plant, quite round, Yellow; this is oply ornamental other a deep the same as the melon arnamental. Cultivation should be grown at a por-oucumber. Both kinds es, melons dec., to pre good distance from squashalso climbers, will require stimixing, and boing


## GOOSJ BERRT.

the following manner. "First be ontivgted in which is to be neither a stier spleqt your soin, sand, but of good rich deep clay nor a loose where the mid-day sin will mould, in a position your bushes three feet onever reach. Plant heads at least two feet gapat, train them into heads be formed nearly rom the ground, let the the head is once forme round and open. After the time the blossom sho attend to the bush from and whenever a branch is until the fruit is stipe, make wood, nip the end pushing forward ta throwing all the juices ind with the fingers, thus fruit, कbesides keeping the the formation of the 2. - phag the bush more open to the
large bottlo grows from the shelis oy are light usage will. (cucirbit uite round, or a deep ultivation Both kinds $m$ oquashand boing sticks.
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$342+$
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a loone position
Plant m.into let the After hiom is ripe, ardinta thus of the to the
sir. With the hoe dig woll among the roots, being carefil not to break them, but yet to keep the earth loose and moist. As ofter as once aweek; from the time the fruitsets until ripe, water with liquid manure upon the soil and use the hoe directly after it. In prunieg lot it be borne in mind that the gooseberry produces ritit on the wood, notonly of the preceding summer?s growh, but also on spurs fromold wood. Shoula Zhy appearance of mildew become visible, prinFlo the bushes with weak lime water, and soattor Time and sulphur pnderteath voon the roung ?
 Q2 4 HORSE - RADISH.

Cochlearia ormoracia This is best propagated by cutting bits of the roots into leng the of about two inches, and putting. them spring or fall into the ground about for de dep with a settingstick; they will find their way up the first year, and the second they will he fine large fon if the
 Hhough a rery walumbe and whiepondito it itha most vernicipus whed.
 Humuius lupitis. Although the hop is not a culinary vegetable, yet as it is more ordese used in every part of our country it might be unjust, were I not to treat a little relative to its culture. dry hop thrives best in a deep loaray soil on a and manured preh requires to be well pulverized Any part of the prios to planting. ed, will grow the root to which a joint is attach. in hills, three or foreome a plant. If planted The first year small are not too many in a hill. and these must be poles only will be necessary, near the plant up placed in an upright position firio , 4 , $\mathbf{y}$ which the latter may creep.


 certain purposes is preferred to onioiso The time fotsowing is as early in the spring bis the rumpe ther and the ground will permite as the weaof fine earth eight inches asunder Sow if arills plants to three inches as asunder, and thin the the ground clean tillos apart in the row. Keep then take the plants about the firgt day of July; inch longand cut off up, cut the roots of to an not too low down ; mat tops of the leaves, but not too low down ; make deep drille with a hoo

## 65

op is not a rideas used be unjust, its culture. soil on a pulverized is attach If planted in a hill. recessary, $t$ position cireep.
供0. hisow? 3t at:
hid for The timo Io' wreain arills thin the Keep f July; of to an es, but ha hoo
-at two feet apart, plant the leeks in these drills with a setting-atick, fattening them well in the ground and leaving the drill open. As the plants grow, put to their sides the earth that camo out of the drill; after that draw more up to them oheach side from the interval, and if your ground be really good, each leek will havo attained a sufficient size for use.



## LETTUCE.

Lactula sativa. All kinds of lettuce will have arryed at greater perfection by being transplanted in god ground. The tennigball and other small Linds will grow within six inches of each. other, but the soyal cape, grand admiral, and the Large cabbage kinds should be set one foot apart each way. In urunsplanting, you will be carefil to allow some of the original earth to adhere to: the roots of your plant, when you detach the same from the seed bed.

## MELON

Cucumis melo. (Musk Melon.). There are many varleties of the melon highly esteemed in Europe which do not succeed in this country;

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the gardener should therefore only plant such a have been tosted and found to produce cood fuit here, or superiór sorts may beoome dogenerate. hot tused to dious velection is made, is caution be each other, ite the different sorts remote from goirtis deganoracy will beumbers, squashes and The following are Me the consequence. relative to the propegr. Bridgeman's remarks this molon:- propagation and cultivation of Melons, prep varieties of the Must or Canteloupe - May manure it a piece of rich glound early in mart it out into and give it a good digging, then At the angle of each of six feet each way. pht abbut wes inches iteen inches over, into whigh throw therebr about foep of old rolter dutig sinit the duins and eathr inches of earth, ang, ufter which draw earth well with the spade;
 at tep. When your hills ato ath one foot brota on each sir or eight seedt, are all prepared, plant from onch other, and ceeds, distant two inches, inch does, iner, and cover them about half, an

## the plants are in a state of forword

 proq their roing are in a state of forwardness their rough leaves, they must be thinroote of time round each hill; draw earth roots of the plaints. Ad the hills and about the pread into branclies 8 soon as the plants have the top of the foriter, stop them by pinching off -. $2 \cdot 0$ runiertipia, this whil etrengeth
## 57

en the plant and promote the perfection of the fruit early ; afer which, keep the ground per: fectly free from weeds by frequent hoeing.

## WATER-MELON.

Cucurbita citrullus., In order to have watermelons in perfection, yon must fix upon a piece of very rich, light soil. Prepare, plant, and manage in every respect as directed for the Musk-- melon, only let the hills be seven or eight feet distant every way. Ohe ounce of such seed will plant from forty to fift fiills.
I recommend, that en melons be sown in the open ground, the period may, be when the ground is warm, or about the planting corn season. Should hot-bed culture be prefered, the treatment may be the same as that of the cuadinber.

## MUSTARD.

Sinapis. The Alba or White Mustard growa spontaneously in the fields of England; it is also cultivated as a small salad as well as for seed. The seed yields from every one hundred pounds, from thiyty-three to thirty-six pounds of oil, whioh is stweet and mild.

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> White mistard seed is much used as a medine, and persons subject to disordon cine, and persons subject to disordered stomachs. often derive graat benefit ly taking a spoonful of dry seed two or threo times a day. Some vise it in pickles, to which it imparts an ngreeable flavor, and renders cueumbers in particular more salutary.

The Nigra or common mustard is also a native of England. The condiment called Mustard, and in daily use at our tables is prepared from the sead of this species. Although the article raised this country, some in England, is much used in state that a spurious nriticr, such as-Coblett, deo. mustard, imported hercle, under the name of and is a false as the ere, is a thing fabricated, out by fraudulent fabricazed and pasted goods sent is nothing elso but a cators of Manchester. "It reduced to powder, som composition of baked bones touring and a drur, some wheat flour, some coWhoever uses that of mich gives the pungent taste. a burning inside long mustard" freely, will find As however the planter ho has swallowed it. tion in Canada, I beg can be raised to perfecyour attention the following to recommend to If the mustard be intended mode of cultivation. in the spring, in drills ed as a salad, sow early hajf an inch deep; but eight inches apart and in drills two feet apart, if intended for seed, sow inches.
as a medi d stomachs. a spoonful Some uise ngreeable cular more
so a native isturd, and from the icle raised used in blett; \&zo. namo of bricated, oods sent ter. "It ked bones me cont taste. vill find ved it. perfec. end to vation. early rt and d, sow to six

## MARTINJA.

This is an annual plant and may be ranked as a vegetable. As the yolugg tender pods make a good pickle, and as it is besides highly ornamental, it often gets a place in the flower garden.

## NASTURTIUM OR S'CURTION.

Trapacolum. This is an annual plant, a beau tiful flower and worthy of cultivating even as a vegetable. It is used for salads and garnishing, and the green pods for pickling. Sow enrly and not very, thick; it should have bushy stioks to climb upon.

## OKRA.

Hebiscus hesculontus. This plant being a had tive of a more southern latitude than that $b$ any part of Canada, its sure cnlture here may be doubtful; I shall not therefore recommend it to the attention of the Canadian gardener.

Any person howaver who may be inclined to try its culture, and should succeed in the same,
will find it excellent in cookery as a sauce. It is said that its ripe seed burned and used as coffeo can scarcely be distinguished from the latter.

Allium cepa. Of the several kinds of onions, the red and yellow aro the most profitable as a general crop; and of all the varieties, (potato onion excepted, ) these will keep best through the winter. The New England. White is a mild, pleasant onion, but not good for keoping. All the varieties propagated by seed require the same culture.

The onion will grow best in a moist and loany soil, although they will grow well in soll partially sandy, if well rolled after sowing. Previous to sowing onion seed for a general crop, the ground should be well prepared by tigging in some of the oldest and strongest manure that can be got. The earlier this be done in the spring the better, and the planting should not be delayed longer than the middle of A pril; if the season will permit. The seeds may bo sown moderately thicle in drills, from half an inch to oneinch deep, and twolve inches apart.
When the plants are up strong they shonld be hoed. Those beds thut are to stand for ripening,

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atuce. It as coffeo e latter. and hoed
onions, ble as a potato through a mild, 13. All de same
loany partialrevious $p$, the ing in nat can spring delay. season rately. deep,

Id be ning,
should be thinned out while young, to the distance of two or three inches from ench other. If a few should be required for use after this; those can be taken which more incline to tex than roots, and if the beds be frequently fatked?ver, and the small and stalky taken away where they stand thickest, the remaining bulbs witsent to a larger size.

The plants should be hoed at least threo times in the early part of their growth; but if the saason prove dainp and weeds vegetate luxiriantly, they intist be removed by the hand, becauso after the onions have begun to bulb, it would injure thom to stir them with $u$ hoe: When the greonness is gone from the top of the onions it is time to take them up, as from this time the fibrous roots docay. After they are pulled they should be laid out to dry, and when dry removed to a place of shelter. The small onions may be planted in the spriug. Even an onion which is partly rotten will produce good bulbs, if the seed stems be taken off as soon as they appear.

## TREE - ONION:

Allium prolcferum. It is propagated by planting the bulbs in epring or autumn, either the root billbe or thoso produced on the top of the stallss; the latter, if planted in the spring, will produce fide onions. These may be planted in rows with a dibble, the same as shalots.

## POTATO - ONION.

Allium tuberasum. - This does not produce seed as other onions, but increases by the root. One single onion, slightly covered, will produce six or seven in a clump partly under ground. The bulbsare generally planted in the spring, from twelve to eighteen inches apart; bit they will yield better when planted in the autumn, as they will survive the winter if slightly covered with dung, litter, or leaves of trees \&c.

## PARSLEX.

Apium petroselinum. Parsley is a hardy bienhial plant, and grows wild in moist climates, but has been greatly improved by cultivation. The leaves of the common parsley are used as a pota fine garnish.

These may be sown in the fall or spring in a cool situation, a quarter of an inch deep, with the earth pressed hard upon it; this process is indispensably necessary in dry weather. In addition to its utility as a culinary plant, it is high.

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## PARSNIP.

## PEAS.

Pisum satioum. These should be sown, if for an early crop, as soon as the ground is clear of

> dwarf kinds, the drills the best for the low

## Those peas of a medi may be three feet apart.

 drills four feet a part; and frowth may have their the distance may be about five feet. The space taken up by them in the drills is as follows:If for the small kind, three to an inch; fort the medium kind, two to an inch; and if for the last sort, they may be sown one to an inch.Soll and Situition. The soil should be moderately rich, and the deeper and stronger for the lofly growers.

Peas are not assisted, but hurt, by unreduced dung recently turned in. A fresh sandy loam or road stuff, and a little decomposed vegetable matter is the best manure. The soil for early crope should be very dry and rendered so where the ground is moist, by mixing sand with the earth of the drills.

As the plants encrease in growth earth them up, and keep them clear of all weed. In garden culture, they must have sticks sluck upright near to them; so that they may climb up the nger for

Saidanum Truberosum. This vegotable is so well Inown to the Canadian farmer and gardener, that to freat here at any length on the subject of its culture wonld in my view appear rathes stiperfuons; but, however, as I have been as successfinlin raising as early a crop of polatoes as any porson with whom I am icquainted in the valley of the Ottewa, I feel a pleasare in recomnionding Iny garden mode of culture, which is simple and Derhan no way novel to yout.

I plant in hills, becatise I consider that the seeds therein derive more benefit from the sun's heat, than if planted in drills. Prepare the sets with two good eyem in each set, and this sliould be done about two days before planting. Prepare the ground by manuring, ploughing and harrowing. Mark out your hills by drawing a olain Hree feet distant each wry, ( that is crest-wise.) Drop ouly two sets. in each hill; this limited number of sets may appear rather strange, but the following are my reasons for doing so. whe fewer the number of set in each the greatei will be the quantity of nutriment to cach ect, and consequently the quicker and larger will be the vegetation, but this is cor curly use. For ager neral crop, I would recommend a genternumber of sets to each hill. Sliould your ground be of a culd nature, I recommend that a small quantity of manure be put in each hill.

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A good mode of raising early potatoes is to sprout the tubers in warm horse dung. They may be placed inlayers with the maniure, either on the ground or in a box or crate. If the potatoes, when paicked for sprouting, are laid on small pieces of tough sods, the grass side dompwards, they uay be planted with the sods without breating the sprouts or roots, which will greatly facp

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to litate their growth. They showid not be started the too much before planting, as it is difficultito perd noj vent the sprouts from being bruised or inite prethey are much more than an inchlong. If planted very early, they should be put in a warmand rather dry soil, to ayoid the fiability of their anct ting if the weather is moist and cool.
 RHy PLUM TREE. Yomes 5 . Prumus domestica This tree is indigenous to this countriy. It should have a middling soil, neither too wet and heavy, nor over light soil,
dry.

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 A rmstrong recommends argillacions soils, not
## a

$a$ very cold, wet, nor very dry "Where, from d pravions cultiure or accidental canses the eprth becomes either very rich or very poor, the tree. does not succeed. In nie case dits vigour is only directed to the production of wood and foliage; and in tho other its growth is feeble and its life short. THe following compositions have been snown to potect fruit trees from the attacken

numerous insects by being used as a wash to the trees immediately after pruning. The conatitue . tion of some trees will bear a much stronger milstiure of ingredients than others, but the proportions as heroafter described will not be injurious to any; but will be effectual in the destruction of tha lasvae of insects :- itriu fin wa llw yha "Aofour gallong of water add one pound of cof soop, two potund of common sulphur two ounces of tabacco, and one ounce of black peppere All these ingredients must be boiled toger ther for twenty minutes at least, and whon in a luke-warm statiapplied to the bark of the trees with a muitablo brush .

## PEAR-TREE.

Pyrus communis. This tree I am sorry to find is not much attended to in this part, of Conala, - and I question if the soil and olimatuof the samer are genial to its culture ; should any hawevar be desirous of cultivating it, let itss soil and mode of cultivation be the same as that of the plunfoth the single exception that the former will require a deeper soil, as the roots growdownwards.

Grafting or budding the pear on Quince stocks is a process resorted to for the purpose of dwarfing the growth, and causitg cearly fruitffincs. Its ad vantages are now, I am happy tofind brinc. ingit into favor in some parte of Canadat chinf it


This tree is of low growth, muel aned ind generally crooked. It likent woh, thoith wif, ane ch shady sitgotions
$\qquad$
$\qquad$ (A) DISH.
 overy fortaight for nummer nuos. Nemillin tequire



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seed bod for one summer, at the distance of eight. of nine inches apart. When the rootsate divi" ded, ongo must bo taken to retain a bud on the crown of each section. Platit in the fall or oarly in the pring, In taking off the stalks for, use, को knife must not be used; they are to be bent down a by the hand and broken off by the same.

## SEA-KALE SAT

> Crambith onstion - A L L E

Cramba maritimal theshores of Great Britains plant being found on through gravel and Britain, forcing its vegetation to believe thatisuch and, has led a great many the best for ity culture soil as the Jatter would bo experiment, that the soil it is now found by 1 gus, will suit this segotable sulso for the Asparaperennial of long duration, and It is a hardy from the seed or pieces of the root. may be raised

Its earliness makes it more valuable, and when







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of eight: tre divi on the: or, early for use, a nt down

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undion etption many uld be nd by spara hardy raised
when nary
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## spi-

 givethe first week in September in drills one foot apart, and when the plants are well up thin them to six inches; they will be fine and strong by the time the winter sets in, and as soon as that comes, cover them over well with straw, or with Luaves of trees which are better, and keep them on till the breaking tp of the frost. Sow more when the frost is ont of the ground, and this witl be in perfection in the month of June following. This is one of the choicest greens that can be raised here or perhaps anywhere else.

## SHALLOT

If Allium ascalonicum. The true Shallot is mative of Pulestine, and is considered to possess the most agreeable flavor of any of the Allium genus. It is oonsequently lighly leserving of cultiva. tionain It is propagated by planting bulbs por ofseta in the fall; which nay be not out with a diffblein rows twelve inches apart, and from four to aix inches disfant in the rows or they may be placed in drills two or three inches deep and cozered up with a trowel or hoe. Which some pert oin princ very fond for fis root, of tion, we Pownike an are very fond. For cultive.

SQUX\&H.
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 much in form and aive, pumpkin $\%$ the difer so: firger than a small orange, whise a here not sit onormons sive; in justice whia chars g wito in m y possecioion, jastice thisu havo now gardoth this season weighing weantit raised in my pornds. They vey also in yearits wo hunizod Called summor equashed, aro qupt catible khan ripe, and the a quasinand winter equatiole whe ft for nse till the are ripe. Cultivatic 0 the sume thit of the ducumber, died o 0 e
cepted. The Bua Liris should be plant three nocordance wit thoir natumal growth as the vine* of some will rim further than others.

The running kinds may be sowh from six to - aronget apart.

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## STRAWBERRX.

Fragiria. Tho varieties of this fruit are so. great, that I with not here enmerato thom.

Many people have become discouraged from enltivating the strawberry, because their' ' 'ank have proved barren not withstanding good culture. The cave was this - their planiation had become too old or else thoy had taken their plants from some old degenerated stogk. In' eithets, case, a crup of fine fruit need not be expected; pl is must be Whected from youdg fruitfil planfations, well root. rumer of the present summer's growth.

As fine a crop as Whave'ever seen yas raised upon soil only modutely rich, ploughed to the depthe of only a few inch at the time of planhing, and no manure ajplie but it retained moirture admirably, and although lying rather low wasnot wet. The soil consited of a mixturp of olay and gravel.

Strawberries should be planted in rows antiout atwo and a half inches apart, and the apace be tween should be hoed and kept clear of coede. All the rimeners to be taken off, until the third year; then they may beallowed to fill up the space between, and the oll rown demolished. ial! -If the above method be complied with no transplanting will be necessary in senowing the beds. Where new plantations are required, the last of Augut is'a good poriod, as it giver the plants time enough to become well rooted in the grohnd ere the commencoment of wintory and gives chance for a fruit crop the ensuing season:

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## TOMATO. (LOVE APPLE)

Solanum Injopernucum. This plant is annual, foar fect apart.

They will grow in rather poor soil, in which 184 urr they, may bo transplanted near each other, giving them an open place to tha sun.

Ta have the fruit ripen carly, the latter situatiop will bo essentially necessary, as it will be to ahbrten the top of the plants at the same
lime.
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> TURNIP.

Brascioa raya. This being a wholesome and yponilplant, botls for man and beast, and highly deserving of cultivation, I shall endeavor to stive meltete those of our Cunadian yeomanry who hateohithertoineglected the oulture of thin field: ui) woll as usefuligarden production, to axertion rind diligence, by insertingone or two extracta from qne be two anthors ns well as a reniarki on the subjedt, from mysalf. as Dor an early crop, the month of May in a favomablevine for sowing turnin seed, and by the Infers end of Jaly they will be mufficiently larga fot the ritchen, und continue in good condition forla goind derablo longth of time. 3 , 14 monong the muny encmies that the tnrum ham to ancerunter, the turnip-lyiseema to be the mand

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rurmidable, which often totally destroy sthe plaint immodintoly after the latter cracks the ground. A writer in the Leeds Jourval, en English publication of much merit, under dáte of May 701 H . 1847, says "that'after trying various remedies' 8 urrest the ravages of the turnip:thy, he usectlained by means of a lens, that there was on every feif of the plant a number of white futtith'subotances. The same nppoarances were nlso noticeabto on the seed. "Me made a stroig solution or dalk and soaked the seed previous to sowing; and the plants from the sedas this prepared were not infested by the fly. The same method he his adopted with the cabbage, and with the time success.
It is a well-known fact that it is the heat of the sun which gives strength and animation to the turnip fly; this nuy be easily proved by the following observation. Af there be dark and clondy weather when the planit first uppears, and continues till the leaf of the same assumes a totigh appearanoe, them init it esdape the ravagel of the fly jo this may be tain of all the Bramical ofnas. I In yowing the eood for tramsplatting, a epot should be selected where the rnyy of the sur may
 this hitaation may be well thinn $\mathcal{F}$ ( 0 for they will grow tall and weak; whichnimnot dagivale! As there are many dithods and meinsderibod, for the deatriction of this inveet, I would yoerth. Homd the foresfoing as atio most suecenful. veg Oed As thio swedishithrntp the best for allate erops. anid wrill bear thangilantivg twelt I I recommend
the following move, which 1 have followed witf no small auccess. Keep in readiness good stiong plants for the early part of the month of July, or until the earliest of your potatoes aro dugand pleared from the ground. All the vacant places that your early potatoes had ogcupied arc now to pe filled by your turnip plants, and this process your may continpe for one month. I' have this reaton prised from my early patato ground a coisiderable quangity of swedish turnips of a medi-
perfe iea;
raise sale west foul artic erin. nion of S tob: the of But of $t$

## T, BACCO.

This is not a culinaty plant, although often introduced into the kitohey guns to the no small distaste, of the virging of that department. Tho Use of the tobacco plant is so well known, that a description of it here would in my opirion be deemed superflioits; and for the sake of brevity, I shall confine myself only to a few remarles on its propagation and cultivation. As it jed plaint, When nianufictured and imported to this colony, pheced under a duty to no small einount; wioh

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 necessarily raises it in price, I should consequentIf yecommend its culture in Canada. It it aleo Twell known that it has been and canbertaised to
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d. witfr strong illy, or ugiand places now to rocess e this a con-medilative a sucet, for
on insmall Tho hat a in bo vity. 40 on plaint lony, rhich ment aleo ed to
perfection in many parts of British North Amer iega $;$ and in justification of the same, tho plant raised in Canida is now oftered as an article of ale in many stores and shops in the eastern and western United Provinces; and if fault has been found with it as not bearing comparison with the article; the growth and manufucture of the southernand south-westem States, that is in my opinion owing to the inexperience and unskilfulness of the Canadian manifactuyers.

Should any person be desirous of raising the tobacco plant to'nny extent, I should recommend the propriety of engaging an adequate number of our coloured brethren, now in the Canadas, But formerly slave cultivators and manufacturers of the plant in the south and south-western states.

Propication. Sow early in the spring, as the vegetation is rather slow. Select a warm dry spot, and collect some dry brish or other inflammable rubbist which you will burn on the same, and after it bei nes nearly cool spread the ashes. Should too much ashes appear on one place, you will spread the same evenly over the ground, after which yoll will sow your sced, rake it in, and tread it hard.

When the leaves attain to the size of a copper, (halfenny, they may be transplanted, which shoutd be done on a cloudy day, or else covered from the rays of the sun. Thoy require a southorn exposure, and a strong rich soil. Distance between the plants, about three feet.

Cultivation. Its after cultire to be the eame Snit that of the cabbage, with the exception that

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The flower bitds are to be pinched off as they make theit appearnnce, and the same is to be done not only on the top of the plant, but at the foot of every leaf. When the leaf becomes ripe, it proves to be so by its spotted appearance.


Vitis vinifera vulpina. Having given some personal attention to this fruft for several years past, I am sutisfied that it can be raised in great perfection and with little trouble to the cultivator, if he sets out right in the first instance, and follows up my sysfem with care and attention.

As this fruit shotld not be confined to the gardens of gentlemen alone, but to évery man's garden if possible, I therefora recommend that it may be planted on the sonthern side of your wall

Sh may 1 grout a see bette day: If belv leve shol ther A diffe ticu

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$A$ soil on a dry bottom, well manured and trenched, will so far answer. In selecting your vines for planting, make choice of the earliest kinds, not more than two years old, and in a healthy state. Should you not bg able to procure these, cuttings will answer, as they often bring forth fruit in three, and sometimes in two years. If the cnttinge be of one eye each, they should be from the last ygar's growth, and a snali piece of the branch. ait inch long, thould bo lof attached to the bud, 4nd extending half an inoly on eachaide of it:l

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Should your ground be prepared, your cuttings may be planted in their destined spot; and if the 1 ground be not prepared, they may be planted in a seed bed for one year. All outtings will strike better if partly shaded from the rays of the midday sun.

If the cuttings are of several eyes, they should be laid on the groind, sloping, leaving one eye. level with or only just above the surface; they should be kept thoist but not wet a's this will Yot them.

As tho system of cultivating the vine in its different stages of growth isso extensive and par-

# 10XPLANXTYON OF THE ANATAKS, BIENENATES AND PERENNIATS. 

It may be uecessary to explain as:we go along, that there are three principal descriptive names given to plants, namely, Annuals, Biennitils and Perennials. The anmuals, being of one season's duration, are raised every year from seeds. The biennials are raised from seed ore year, continue till the second, then perfect their seed and son after die. Some of these should also be raised every yearfrom seed, but when once raised, they will continue on the same roots many years.

Treatment of smale Sefeds.- In the third part, containing medicinal and other plants, the depths and distances to sow the seed and raise the plants are not mentioned, as most of them are propagated by parting the roots, and will ge. nerally be raised in small patches. There are, however, several kinds that I would recommend to be sown in drills about six or eight inches apart, and those are the Sweet Basil, Dill, Sweet Najoram, Rue, Saffron, Sage, Savoryand.Thymo $\Delta$ to the pepth, from one-fourth to onelinch will tufice; this will be regulated uccording to the dize of the seed. Any seeds that lic hear the surface will vegetato quickér and better, by laying over them some triaw, or a worn-out rug or mat, rutil they appear.

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Preserving Hirbss. The following information for drying and putting away pot and Sweet Herbs, we think will be acceptable to many of our Canadian friends.

All vegetables are in the higheat state of perfection and fullest of juice and flavor, just before they begin to flower ; the first and last crop ha-; ving neither the fine flavor nor the perfume of those which are gathered in the height of the season, that is, when the greater part of the crop of each species is ripe. Take care that they are gathered in a dry day, by which means they will have a better colour when dried. Cleanse your herbs well from dirt and dusts cut off the roots,

- separate the bunches into smaller ones, and dy them by the heat of the stove. There can be no doubt of the propricty of drying herbs, \&co. hatily. by the means of artificial heat, rather than by the heat of the sun. In the application of artificial heat, the only cantion requisite is to avoid burning ; and of this a sufficient test is afforded by the preservation of the colour. The common custom in when they are perfeetly dried, to put them inte bags and lay them in a dry place; but the best way to preserve the flavor of the aromatic plants, is to pick off the leaves as soon as they are dried, and to pulverize and pass them through a miove and keep them in well itopped bottles.

PARTIJI ted $b$ PLANTS TO CULTIVATED FOR MEDICINAL
Balme firis plant is a hardy perennial ; it is readils p gatgated by parting the roots. A atrong infuicion of tyay young shoots drank as tea for come time, has proved ef service to nervous and hypochondriachul patients of a lax and deliulitared habit. It is also good in feveris.
Bacil: (Sweed.) "Is a very sweet annual pothirb. A very little of it is sufficient for a gaiden. Ir is propagated by seed or from offsets. Binnof. (Garden.) This plant is perennial, and propagated by seed; is a good riedicinal herb, and often veed in salad.

Chamomile. "This plant is perennial and propagated by parting the roots and also by seed. It is a stimulant and tonic - uscful in febrile at

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fo valuable in coughs and consumptive complainta. May be propagated by parting the ropts:?
Coriender. Is an annual plant and ingood in soupe and salads. The seed is also-nopt as a medicine. A small patch, psobably two square yardi, will be enough. Propagated by weed.

Catnip. This plant is perennial and propegar ted by seed and parting the roots. Valuable for infections. In fevers it promotes perapiration without mining the lieat of the pody.

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Celomation. This is a perennial and propaguted by seed and offsets. It is used for colds and congh.

Dill. This plant is biennial and propagated by seed. The seeds and leavei are used for giving a flavor to piokles, and also occasionally in soups and sallces. It is also used in medicinal peparations.
Feverffiv. This plant ib biennial and as a matter of courso propagated by seed. It is a good omedicinal plant.

Hoarhound. This plant is biennial and consequently propagated by seed. It is stimulant and tonic, -nseful in coughs and colds, also in asthmatic afféctions and in pulmonary disenses. It may be prepared with honey and molasses.

Hyssop. This is a perennial and propagated by seed or dividing the roots. It is recommended for coughs and calts.
House-leek. This plant is perennial, propagated by offsetts. Is used in making ointments for wounds, sores, \&ce.. It is also used if deafhess. Ground Ioy. This plant is perennial. It is good for theumatism, gout and other diseases. Propagated by parting the roots.

Swoct Marjoram. This plant is propagated by seed, and the Winter Marjoram is propagated by parting the roots. Both kinds are used for cutlnary purposes, but the former is mgst estimpted. SMarigold. An annual plant. The flowers of the single Find are used in broths, stews \& soupho. Mint. This is a genus of plants comprising twonty-four species. Those cultivated in gar-

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dens are peppermint, spearmint, pennyroyal. AIV the species are raised by the same method, viz:by parting the roots, by offsets and by outtingyoung stalks. Peppermint is a pleasant stimulant, promotes perspiration, and may be administered in all cases of colds, pain in the stomach (and bowels, flatulency, headache, nausea,. \&c. Spearmint is a tonio und stimulant, and is employed to stop vomitting and allay nausea. It is an excellent carminative, induces perspiration, warms and invigorates the system and quiets pain in the stomach and bowels. Pennyroyal is an agreeable stimulart and if convenient should always be used in giving an emetic. It promotes perspiration and facilitates the operation of lobelia. It is also a valuable carminative, and may be used in all slight attacks of disease.

Poppy. (Opium.) This plant is annual from which opium is extracted; its use is so well known that it would be superfuous here to mention anything further about it.

Rue. This plant is perennial and succeeds bost. by being propagated from seed. It is efficacious in destroying worms and for strengthening the stomach.

Saffrom. This is annual, consequently propagated from seed. It makes a valuablo tea for children afflicted with measles, chicken-po and all eruptivo diseases.

Sage. There are varieties of this genus, but the small green-leaved or sage of virtue, is recommended as the best. It is a perennial and is propagatid by seeds or auckers and by portions of

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odd roots, and grows well in any soil not very wet. The leaves are used in fevers and for worms in children. It is a good substitute for tea, and is uspd in vârious culinary ways.

Savory. This is a hardy annual, and will grow almost in any soil. It has jong, been cultivated for medicinal and other purposes.

Scirvy-grass. This plant is perennial but West propagated by seed. It is used with success in most scorbutic diseases, and for cleansing the blood. It is often used as an early spring salad.

Southernwood. This is a perennal and may be propagated by cuttings. it ic used for so many medicinal purposes, that it woild be too tedious to mention them here? The most effectual of all is I believe, its application for worm diseases 'in children. In Germany, where it is called stabwort, it is often appied to wounds with success. Thyme. There are two kinds of this plant, both of which are perennial; they may be propagated fiom seeds sown early in the spring they are used for culinary purposes.

Wormwood. A perennial, and may be propagated from seed or parting the roots. It is used for the worm disease, for sprains and swellings.

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