

In many instances careless contract- which, if all lines are kept perfectly stems in order to induce the plants to ors scatter the subsoil removed when excavating basements all over the lot. When this has been the case the work of preparing the garden ground is increased as this unfertile soil must be removed, until not more than three inches are left on the plot it is proposed to cultivate. When this is well leveled the ground can be treated the same way as if still covered with sod, the trenching being carried slightly deeper. The ground having been made reasonably level the best course to pursue is to stretch a garden line three feet from the fence lengthwise of the plot, and parallel with it stretch another, leaving a space of two feet between them. Cut along both lines with a sharp spade, and a turf path clear to the alley is the result. Probably the sod on this will not at first look very tempting, but constant travel over it, if not too frequent, will improve it so that in time it will afford a smooth green walk. Now dig a trench a foot wide and a foot deep across the end of the three foot space between the fence and the path, placing the soll removed, somewhere convenient for future use. Into this trench throw the sod removed from the second foot, taking care to invert it when doing so, and then add a thick layer of coarse manure, tramping it well down On top of this throw a deep spadeful of the underlying soil, and repeat the



Market Gardener Cutting Asparagus Tips, process until the bed is all dug over. thoroughly a dressing of fine manure, course on the other side of the lot, and at the rear end.

This mode of procedure furnishes on both sides. The space between the time, if the soil has been kept well paths if treated in the same fashion, pulverised, the beans will be able to will be sufficient to provide five beds, care for themselves. The little bed each eight by fifteen feet leaving be at the foot of the garden might be

Haveyouasmallgarden? If not, why? A garden so constructed will stand | ditch, the next two feet from it, and There is no reason why anyone with great extremes of wet and drouth, the same on the other side. The two surface of the soil the plants will althe slightest taste for the pursuit for it is a mistake to suppose that middle rows of the first bed should be ways find enough moisture, unless a In Canada but for the interference of liner's bill would show it was worth should not be successful in raising plants on well laid up beds suffer in planted with a second early pea, such very long drought sets in. Even when a garden with very small expense or dry weather, on the contrary they will as Heroine or Dwarf Telephone and this is the case spraying should never effort. Unfortunately in most works continue to thrive when those on the the outside two with an extra early, be resorted to, the only safe course to in exactly the same way that they on horticulture, and in all short art- level are withering, so no one need be such as Motts Excelsior, as this aricles on the subject it is taken for afraid of making high beds, though rangement enables the peas first ready and to place the bose so as to fill the granted that the reader has some precipitation of the business of the b vious knowledge of the business, or at foot of the ditch is sufficient elevation others. any rate has his garden already pre-unless the location is very low. Some pursued in the second bed, a second pared by an expert. This will not be pared by an expert. This will not be the case with many who intend to much space to paths with such a move into suburban homes this spring, so it is for their benefit the following small area available is a useless hints are given. Even the circum- waste. This is not the case, for the scribed area available at the back of a frequent paths enable the gardener to twenty-five foot frontage, will, if prop- till and gather his crops without the the drills should always be made four erly handled, furnish enough green necessity of treading on the cultivated delicacies to materially reduce the ground, an advantage that far offsets grocery bills during the summer, and the loss of space. The same plan may to the heavy or light nature of the deal of useful plant food as well.

As to fertilizers, a wagon load the family, for a twenty-five foot lot half wide, though, if two full lots are what thickly, say a dozen to each four

The same course should be early filling the outside rows, while immediately after a bed has been seed-Stratagem or Duke of Albany oc- by giving the ground a moderate soakraise a patchy crop. To avoid this inches wide. For peas they should soil in search of moisture not only be three or four inches deep according find what they are after, but a good of ordinary depth should permit the available, an additional grass walk inches of row of the width recommendrear fifty feet to be used for gardening down the centre will be useful, and add ed. When six inches high, the soil much to the appearance of the garden, should be drawn well against the outer

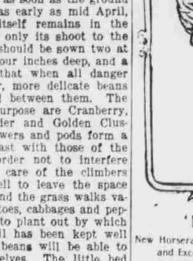


A SMALL GARDEN WITH CAREFUL CULTIVATION WILL PRODUCE ABUNDANT CROPS OF FRESH VEGETABLES.

ven when the beds are bare. It is obvious that to ensure sym-

a plow is entirely out of place in gardens of this size. In order to achieve success the work must positively be done by hand and conscientively be done by hand and conscientively done at that. The expense is best in the outside rows dead to a late radishes are the only safe crop to sow. If these simple directions are faithfully followed, especially those relating to the first preparations of the sure crop and the best variety for bunching or pickling. They will do ground, any amateur gardener is one of this contains. iously done at that. The expense is best in the outside rows, as then they really very small, and need only be can more easily be weeded and thinned incurred once for a grade of the control of the cont prepare it the second season.

As to the use to be made of the be sprinkled very lightly in them. beds when proporly prepared, much! The centre rows of the next bed depends on the taste of the gardener, should be sown with early beans to LONG ISLAND'S BARREN LANDS. out a very good way to utilize the fences on either side is to sow along them scarlet runners mixed with other beans. The runners with their gorgeous flowers which bloom from June till October are very ornamental. They are also prolific croppers, and despite an absurd prejudice against them, the young pods, when cooked green, are delicious, while the shelled beans are superior to limas. Scarlet runners may be planted as soon as the ground s warm, even as early as mid April, for the bean itself remains in the ground sending only its shoot to the surface. They should be sown two at As soon as the surface is dry rake in a time; about four inches deep, and a foot apart, so that when all danger mixed with a liberal amount of lime, of frost is over, more delicate beans and a little coarse salt. Then smooth may be planted between them. The and level the ground, giving a slope best for this purpose are Cranberry, of about a foot from the fence to the Kentucky Wonder and Golden Clusedge of the path. Follow the same ter, as their flowers and pods form a charming contrast with those of the runner. In order not to interfere with the early care of the climbers two beds fifty feet long and one of it would be well to leave the space fifteen which are available for climbing between them and the grass walks va plants, with a permanent walk around cant until tomatoes, cabbages and pep the garden giving access to the alley pers are ready to plant out by which



MAILNER KREN"

The third bed may well be used for

and Excellent Variety for Garden Use.

supply pods. Valentines for a green variety, and Wardwell's Wax for a yellow one are probably the best. The outside rows should be reserved for beets, as they require thinning and so reclaim waste land. The railroads weeding. The centre rows of the fifth of the west have done effective work beets, as they require thinning and bed should also be put in beans, late varieties being chosen that are suitable for shelling, just as they reach their full size. Yellow Swedish and Red soliciting immigration. The southern Flageolets are far the best for this lines have perhaps done more than purpose. One outside row should be any other agency in turning the tide sown to Chard, a delicious and pro- of Italian immigration into the cotton lific vegetable much neglected in and sugar fields and the mill cities of this country, while the others will sup- the south ply plenty of radishes if they are sown broadcast, On a double lot a bed or two should be reserved for early potatoes, as nothing is better than the young tubers when fresh dug, but they begin to deteriorate very rapidly as soon as exposed to the air, for nothing equal in flavor to home grown product can be obtained from a market man. With regard to culture, no matter

how strong the temptation may be, no one should ever attempt to do anywet with dew or rain, or until the soil frews, the first one a foot from the when a spell of rainy weather has stop when he got it.

rendered the use of a rake unadvisable for quite a long period. There are several varieties of hand planters on the market, the best of which save much labor when planting the coarser

eeds, but a drill or wheel hoe is unecessary in a small garden. Many suburban gardenershavewater available. This is not an unmixed plessing, for to spray plants in hot dry weather is a fatal mistake. At such times the foliage is not prepared by nature to receive an artificial supply of moisture, while if the plants starts for the planting ground. Each world with ivory. once become accustomed to it they must have it regularly. Constant raking is far better than watering for it man stands guard all day while the no crust is allowed to form on the pursue being to block the outlet drain have done for centuries. In New drainage system, but even this must and in the middle west the fourhorse never be done until after sunset. Seed teams are ready. In the south the should always be sown in dry soil but negro sits on his plow hilt to watch one of the giant late varieties such as ed quicker germination can be secured cupies the other two. Nothing is ing though after the young shoots ap- forty or more acres a day and requirmore vexatious to a gardener than to pear they will not send their roots ing but two or three men to do it. down deeply if constantly watered, and the rootlets that penetrate the

As to fertilizers, a wagon load or wo or fairly coarse manure may be used to good advantage during the renching process if it is carefully stamped down on top of the sod formed than nicotine. thrown in the trenches, but afterwards nothing but fine well rotted manure should be used which should be at least two years old in order to avoid oughly incorporated with the soil after the crops have been gathered in the fall. As to commercial fertilizers, distilled from the smoke, just as coal outside lime and salt, though good in tar is distilled from coal and pine tar their place, I fancy amateur gardeners from pine wood. One might awallow are better without them, Really the all the tobacco tar that a rank clay rake, besides being the best watering pot, is the best fertilizer I know of, for its constant use permits the air nicotine he would probably be dead to reach the roots of the growing inside of five minutes. plants and the atmosphere carries chemical compound.

gardener worthy the name ever per- indelible stain on mustaches. mits any space to lie fallow, if it is possible to raise a second crop on it. more nicotine than any other known should be cleared away, and the space article in nature. The rankest Kenfielding a crop as late as mid July, than 2 per cent. The only preparation the bed will need lightly sprinkled with turnip seed, and some of them none at all. crops suitable for salad. The two centre rows being devoted to a late well raked over. After that date To mark the rows radish seed should if his energies are confined to a very be sprinkled very lightly in them.

Project to Make Them Productive Railroad Making Experiments.

Another rallroad has essayed the problem of reclaiming land. This time it is the Long Island Railroad Company. It has taken under its control a plot of land containing about where, you know." seventeen acres hear the end of the north shore of the island. The land is typical of much of that on Long Island. It is known as pine-barrens, is considered sterile and is in the fullest sense of the word waste land, The railread company will establish an experimental fruit and vegetable farm. The company also intends to establish an experimental farm near the middle of the island and another on the south shore,

Suffolk county has an area of 739, 117 acres of which 40,000 have been esteemed of so little value that they have never been assessed for taxes, and the value of 200,000 acres of the remainder is so slight that the taxes levied have been nominal. The despatches telling of this experiment of the Long Island Railroad announce that several other railroad companies will be interested spectators of the results, which if satisfactory will be accepted as examples worthy to be tollowed

American raidroads not only open up new land to settlement, but exert themselves to attract settlers and alin promoting emigration to that section and the roads of the south and southwest are now particularly active in

## Enough is Enough.

ger of the Waldorf-Astoria in New York sets an example that might well be followed by those men who get the money-making craze and develop from "captains of industry" through "plutocrats" to something worse, Thomas H. Hillard came from Ireland when he had attained his majority. He is now forty-six and a millionaire, having made it all in hotel manage ment and a careful investment of his savings. He is of the opinion that he has worked hard enough and long enough. Acquaintance with the range of hotel prices, in connection with hothis alongside either or both the lon- variety, which take up too much room be constantly run between the rows tel tips, would indicate that he had also worked people enough, although there has been nothing in Mr. Hilintervening spaces and as soon as vegetables that are at their best when keep down all weeds between the rows, made an overcharge. On the other dry, thoroughly raked and smoothed. Peas belong to this which it also keeps the soil sufficient hand, he has devised many of the category, and besides yielding well, ly pulverized to act as a watering pot modern conveniences that add to the seed bed that should be almost free are almost a sure crop for an amateur as well. An expert gardener seldom delectability of hotel existence. But from seeds, the undersoil of which to raise. The eight feet wide beds needs to use a hoe, except when pre- the best thing he has done has been to their surface is composed, not having should be marked out in straight paring his beds for a second crop, or know when he had enough and to

Nine Million Plows at Work.

It's plowing time. Two hundred million acres of land will be plowed this year in the United States and about 9,000,000 plows are on the farms to do the work. The capital invested in plows alone represents \$80,000,000. Such a multitude of types of plows and plowers can be found on this old as 2,157. continent that we can but name a few. In the great southwest the Mohave with his three or four squaws slaughtered annually to supply woman carried her digging stick, the most primitive of fall plows, and the "original farmers" of this country dig the land and plant their gourd seeds. the about forty in the bush. the government we might see Doukhabor women drawing the plow the train go by.

In other parts of the country we find traction engines at work, plowing

MISTAKES ABOUT NICOTINE.

Deesn't Accumulate in Pipe Stems-Very Little Nicotine Poisoning.

There are probably few subjects about which more people are misin-Nearly everyone speaks of the dark

brown substance which has about the consistency and color of molasses and accumulates in the stems of pipes as the danger of importing the seeds of nicotine. According to a scientific arnoxious weeds. This should be thor- ticle, it is not nicotine at all, and it has no nicotine in it. It is nothing but tar-tobacco tar,

pipe contains without serious harm. If he swallowed the same quantity of

It is the tar that stains the pipe, more elements necessary for vegetable and it is the same tar that stains life than can be supplied by any the cigarette smoker's fingers. It is also found inside the nostrus of one With regard to second crops. No who inhales smoke, and it puts an

It is true that tobacco contains The pea vines, as soon as picked over, plant, but nicotine is not a plentiful they occupied sown with beans, quick tucky tobacco contains less than 8 per growing varieties of which may be cent of nicotine, and the finer grades planted with good prospects of their of tobacco, such as Havana, have less

One often hears cigarettes condemnloosening up, not turning over, with ed because the amoker gets so much a four tined stable fork, and then hoe more nicotine through inhaling the ing in a barrowful of fine manure. The smoke. The fact is that a cigarette first beans ready should also be foll smoker gets almost no nicotine, belowed by a second crop, early varieties cause the tobacco of which cigarettes being chosen, and any ground that be- are made contains next to no nicocomes vacant between the end of Jury tine. Turkish and Egyptian tobaccos

But no matter how much of this

incurred once, for a garden so con-stucted will need very little work to inch deep in drills four inches wide. There are plenty of good reasons why smoking should not be carried to excess, but nicotine poisoning is not one of them.

> As Pur.-Mrs. Slowe: "I am so glad your brother enjoyed his visit to us, Mr. Greene."

> Mr. Greene: "Oh, he is the sort of youngster who can enjoy himself any-

By Fian, the Comedian "Like a grate full of coals I burn.
A great full house to see.
And should I not grateful preva.
A great foel I would be."

A report issued at Simla gives the number of deaths last year in ludia, caused by serpents, tigers and wolves,

Sixty thousand elephants

No Flight or Fancy, A bird in the hand is worth two in the bush-if it was on a hat, the mil-

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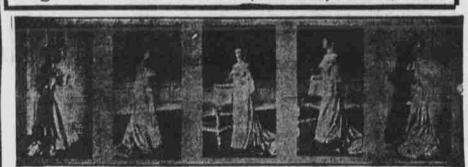
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IDEAL GROWTH OF TOMATOES-A FEW LATE PLANTS ALSO AFFORD A PICKLE SUPPLY.

gitudinal walks as circumstances may to be available in a small garden. been exposed to inpregnation.

require. These beds should be neatly As to the five centre beds they in very wet seasons this implement rounded up with soil taken from the should of course be mainly devoted to when frequently used will suffice to lard's career to show that he has ever

thing in a garden when the foliage is is sufficiently dry to crumble between the fingers without adhering to them, tween them a shallow trench a foot devoted to Japanese climbing cucum- and if it can be avoided no foot should wide to serve as a weeding path, and bers. They do well in this climate ever press the cultivated ground. The as a drain for carrying off the surface and their fruit is more symmetrical and most efficacious tool in any garden is water, an outlet being provided for cleaner than that of the creeping a sharp and narrow rake, which should whenever the ground is dry. Except

saved in twenty-five years, the mana-

Quitting work with a million dollars