Building the Sunken or Pit Type Hotbed

the several types of hotbeds in O general use the sunken or pit type is, all things considered, the best for the raising of early plants from seed. This style of bed is constructed by excavating a pit six feet wide and two and one-half feet deep and as long as necessary to accommodate the number of 3-by-6-foot sush it is desired to use.

The sides of the pit are boarded up with rough lumber nailed to posts which may be placed three feet or more part. If some degree of perne nency is desired, good material will need to be used. Chestnut lumber is very serviceable and reasonably cheap; spruce comes next in point of durability and cheapness. The sides of the pit should be raised above the appears of the ground 46. surface of the ground 20 inches at the back and 12 inches in front, This will provide ample pitch to the sash for shedding rain and also be of suf-ficient angle for good attraction of the sun's rays and heat. Good sash should be used.

The location of the hotbed should be chosen where the natural drainage is good and, if possible, where there is a good windbreak at the north side. If a suitable sheltered spot is not available then a tight board fence six feet high and extending several feet beyond each end of the hotbed should be erected to break off the cold north winds. Without such a windbreak it will be almost impossible to raise early plants successfully in the hot-bed. The windbreak should be about five feet away from the north side of

the frame.

The heating material for the hotbed should be horse manure fresh from-the stable, to which should be added, when accessible, one-half its bulk of forest leaves. If these are not available straw or hay may be used. The manure and added material is to be thoroughly mixed and formed into a conical heap to under-go fermentation. In the formation of this heap it should be trodden of this heap it should be trodden down in successive layers of a foot in depth until the heap is four feet or more in height. The base of the heap should be of sufficient diameter to insure good fermentation in the severest Winter weather. All the material used for heating should be well dampened before putting it in the pile or the fermentation will not be evenly distributed. Care must be evenly distributed. . Care must be taken that no frozen material is put in the heap or fermentation will slow and may greatly interfere with the operator's plans of an early sow-ing of seed,—Rural New Yorker.

Practical Cauliflower Culture.

Many consider the culture of cauliflower the same as cabbage. In many respects it is similar, but it differs in

a number of ways. In many of the southern states the cauliflower plants are set out in Au-tumn and they live through the Winter and head up quite early in the Spring. In the central or northern portion of the country, the plants are grown in early Spring, and kept in hotbeds of only moderate heat, or in cold frames, and in either case should be given plenty of room and a free circulation of air to prevent the plants being too spindling or tender. For late or Autum cauliflower, the seed may be sown in May or early June. Very rich earth and abundance of moisture are the two most important

factors in the culture of cauliflower. Close proximity to lakes, streams, or sea helps to insure a good crop, as the dews are so much heavier.

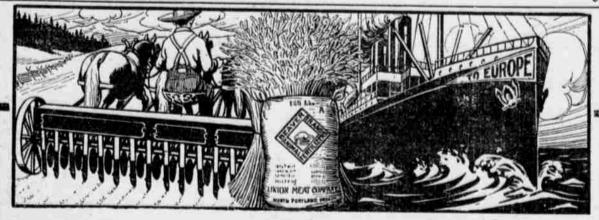
Frequent cultivation is very essen-tial. In field culture it is best to plant four feet apart each way to permit cross-cultivation. In the home garden the plants may be set as close as two feet each way, and with care the soil may be frequently stirred with the boe.

The enemies of cauliflower are the same as of cabbage, and the remedies are the same. If the soil is rich and cultivation frequent, the plants will overcome any ordinary amount of

A solution of saltpetre, one teaspoonful to a gallon of water, is ex-cellent for the worms and will act as a tonic to the plant.

Dutch Bulb Acreage.

Our Consul-General at Rotterdam, Holland, states that the area devoted to bulb growing in the Netherlands is about 5888 hectares (about 14,500 acres). About a third of this area is devoted to the growth of "top" vegetables, every other year, in order to rest the land from its drain for underground crops. The National Bulb Growers' Society has



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NORTH PORTLAND, OREGON

Cherries Reliable and May Be Grown to Profit

YE all like cherries. There is no fruit grown on the farm that is more welcome, and it always finds a Other fruits may bear part of the bility in that line. It seldom fails to yield a crop.

By planting the different varieties the season can be made very long.

It consists of a shallow wooden tray with sides about three inches work and then they are so easily put up in tray with sides about three inches high and 18 by 22 inches measurenish a good Winter supply. Cherries ment otherwise. The tray is then the season can be made very long. nish a good Winter supply. Cherries ment otherwise. The tray is then lose but little of their rich flavor in canning or putting up in any way. There are many fruits that are almost the two ends of ordinary corn or tocompletely changed in flavor when attached, but this is not so with the cherry. Most people prefer them ing in slots.

When the tubes have been filled with earth, the seeds planted and the time arrived for the young plants to the transplanted, the tray is carried be transplanted, the tray is carried There are many fruits that are almost

Richmond trees to bear every year for seven years with not one complete failure, and only once that there was even a heavy reduction in the yield.

The Montmorencis are a fine type

of cherries but they are not so reliable everywhere. In some localities they are much more reliable than in others. The Early Richmond and the Morellos are both heavy bearers everywhere that I have ever seen them grow, but the Morellos are apt to be injured by dry weather in the Summer, as they are so late. I have never known my Morellos to fail to set a fair amount of fruit, but the dry weather and worms have destroyed the crop several times. Yet this oc-curs so seldom that one cannot afford not to grow them. curs so seldom that one cannot afford not to grow them, for they are of the finest flavor. The fruit should be allowed to get perfectly black before picking, for they would be almost green if picked when colored like the Richmonds are when perfectly ripe. They are puckery when gathered green, but are rich and sweet when ripe.

Cherry trees do not take up as much room as apples or pears, and they succeed well as line trees,

gather.

Giving Plants Early Start.

An Ohio farmer has provided himself with means for giving plants a waiting market if one has a surplus, start by letting them begin their growth in the warmth of a kitchen time, some nearly every year, but stove or the sunlight of a kitchen none can equal the cherry for reliacome warm enough, the young plants are reset. Its service is appreciated where a hothouse or hotbed is not available.

time arrived for the young plants to be transplanted, the tray is carried to the garden, the loose side piece removed and a stiff piece of tin about eight inches long and as wide as a tube is slipped under a tube and the tube lifted from the tray and set in the hole previously made in the ground where the hill is desired. The tin is then withdrawn and the loose earth filled in around the tube. The tobe is then worked up through the soil, leaving its contents in the hill.

The plants are thus reset without the soil being loosed from the roots, which is the foible with so many transplanting methods.

The plants are thus reset without the soil being loosed from the roots, which is the foible with so many transplanting methods.

Lag bestowed. They do not thrive in stiff clay soils, and before sowing the seed or transferring from the hotbed the border designed for them should have a specially prepared soil of loam, rich compost and sand.

Do not plant flower-plants too close together. Verbenas should be at least 18 inches apart; petunias the same; phiox a foot; balsams a foot; pansies 10 inches; zinnias 18 inches; marigold two feet; poppies 10 inches. If flowers are too close in the bed they will not make as trifty a growth nor will the flowers be as large and plentiful.

another set of boards on top to give the required height. The plants are set in the frame close together and then covered with boards lapped to shed rain. In very cold localities such frames are covered with sash, over which are mats covered with boards. Ventilation must be given on warm days by blocking up the sash.

Celery is also stored satisfactorily in trenches, with the boards used in blanching nailed in V shape and placed over the top. If warm weathvoted to build growing in the Nether-lands is about 5888 hectares (about 14,500 acres). About a third of this area is devoted to the growth of "top" vegetables, every other year, in order to rest the land from its drain for underground crops. The National Build Growera' Society has 2600 members.

they succeed well as line trees, planted about 10 or 12 feet apart. In or 12 feet apart. In or 12 feet apart. In or 13 feet apart. In cherry trees around the planted about 10 or 12 feet apart. In ch

surplus, and they are not hard to of celery should always be dry when it is stored, and some soil is lifted with the plants. It must be stored before hard freezing.

Flower Blossoms.

The blooming season of almost all annuals may be greatly prolonged, not only by picking off the seed heads, but by cutting back severely, the entire plant, which will, except in a season of severe drouth, make a fine, new growth and blossom profusely. This is especially true of the cornflowers or bachelor buttons mariflowers or bachelor buttons, mari-golds, larkspurs, and candytuft, and also of those general favorites, the nasturtiums, or tropacolums, not, however, taking off the central stalks of these, but picking closely every day to prevent the formation of seed.

Asters unquestionably take rank as the finest of midsummer annuals, and their development and training will amply repay any extra care that may be bestowed. They do not thrive in stiff clay soils, and before sowing

If the lawn is a little bumpy, fill the depressions a little at a time with Celery Storage.

Hodbeds and cold frames are quite satisfactory for storing celery. They may either be dug out deeper or have another set of boards on top to give son or two without being torn up and lying bare for months.

Keep flower beds out of the center of the lawn. They show with better effect if used as borders for walks and around the sides of the lawn.

Do you want a soft, thick turf on your lawn? If so, mow it often and let the clippings lie where they fall. They will soon settle in the grass and after a while they will make a soft, cushiony coat, which keeps the soil from drying out too much and fertilizes it as they decay.

When sending eggs by parcel post