FOR FARMERS AND GARDENERS.

THE RIDDLER'S GARDEN.

1 .- What plant is the most heavenly?

2.-What plant checks manufacturing skill?

3.-What tree should grow by the sea?

4. - What plant is the greatest tease in summer? 5. - What is the most musical plant?

6.-What plant lasts an age?

7.-What plant resembles a shell-fish?

8 .- What plant contains ships?

9.-What plants are venerable?

10. - Which plane blows the hardest? 11.-What plant dances most?

2. - What plant is in your eye? 13. - What tree resembles chalk?

14 -What plant makes the most money?

15 .- What trees deceive most?

16 .- Which plant sells stockings? 17 .- What is the cheapest plant?

13 .- What plant may be seen on the 5th of November?

19 .- Which is the quickest plant?

20 .- What plant is the wisest?

21 .- What is the most useful tree?

22.—What plant may be found in the farm-yard? 23.-What plant is the most sluggish?

21 .- What is the most economical plant? 25. - What plant endures the longest?

26. - What tree resembles the lamb's mother?

-[Germantown Telegraph.

monno

out, on the outside of the side walk adjoining son will have the least trouble of a certaining a suspected that the English method of feeding cattle was the heart, save only the thin inner lining membrane, this their premises, should lose no time in doing so. But some will ask, "what kind are best for shade trees?" We would say the apple, cherry, pear, no shape or form. plum, and others of the more hardy fruit-bearing varieties; but these trees are not as yet propagated in sufficient quantities in this Territory seed. Too little attention is paid to this importo warrant this; hence, the next best thing tant business of gardening and farming. should be done: plant the locust, which is a flowering tree, a thrifty grower and very hardy. The cottonwood has long since ceased to be valuable as a shade tree. The locust may be propagated by all who would prefer raising their own shade trees, in the following manner:-

As soon as ripe in the fall, gather the seed, be kept moist and exposed to the weather and, about the first or middle of May-or corn-planteach seed in a row about six inches apart. Transplant the first or second spring following.

Those who have not taken the above precautions, may yet-this spring-have an opportunity of starting some locusts for shade trees by pouring hot water on the seed, letting them soak in the water in a warm place for several days, changing it every second day. Plant the seeds as they become swollen.

It may be urged that peach trees are easily obtained by almost every one, especially in this city. The peach thrives and bears well, if properly nursed, supported and protected, and will permit, should be cultivated; but it is not considered firm and hardy enough for advantageously growing as a shade tree.

PLANTING PEAS .- In its green state, as a culinnary vegetable, the pea is held in high estimation in all countries. Among amateur gardeners there is generally some emulation to present at their own table the first dish of the season. We presume that most of our city readers have already planted-if not growing-a small patch of the Early June.

manner

The Marrowfat, for later use, should also be planted. By planting small patches at an interlapse of eight or ten days apart, green peas may be had for table use until late in the fall.

The best method is to plant in rows about three feet apart, leaving space between the rows for cabbage or other low-growing vegetables. growth and substance while living, and suitably preserved the fat of our food over into lean in our bodies, and vice Spinach or any other early vegetable for greens may be planted with the peas, which will afford a seasonable dish for table, previous to gathering the peas, both of which-when removed- coops, stalls, etc., even if, which is not always the case, the proportion that the actual muscle or fiber is wanting, will give room for the vigorous growth of cabbage. If planted too close, peas are apt to mildew especially if the vines grow rank, which is prevented in a great measure by allowing more space between the rows.

Peas requiring a mellow, but not too rich soil, offensive material. it will be advantageous to the cabbage plants, after removing the pea vines, to apply well-rotted manure, worked into the soil in the rows.

SWEET POTATOES are grown near Sacramento, California, of extraordinary size-one growing on the ranch of R. Kircheval, Grand Island, article on the Excellent Art of Diseasing Food.' Reader, fibers, and in greater or less quantity, according to the on healthy muscle and a natural amount of healthy fat, weighing 13 pounds—the aggregate weight of four being 44 pounds. They were sound to the core and as valuable for home use as they were uncommon in size. The Californians flatter the food of this people? themselves on being able to beat the Carolinians at raising sweet potators.

What has Utah done towards the cultivation of this excellent root? We are confident it might be raised here with profit.

[For the Deseret News.

A Treatise on the present State of Horticulture in Utah.

BY E. SAYERS, HORTICULTURIST. NO 2. ON GROWING SEED.

Selecting Roots and Seed.

Nothing is more important to the improvement of vegetables than a correct method of selecting forest. roots and a pure stock for seed. As it is a given principle that like produces like, it is reasonable that we should always choose the best roots to produce seed for a future crop. This is not, surgeon and anatomist to the Royal Free Hospital, Lonhowever, always the case; for it is no unusual don. And we congratulate the world, in the outset, upon thing to see the best pods of an early pea gathered for table and the remainder saved for seed. The best onions, also, in many instances, are taken from a bed and the inferior left remaining during winter for seed. Parsneps, carrots, turnips, &c., are often culled of the best roots in the same way and the inferior left for seed. Lettuice, radish and indeed almost every other kind of vegetables are also often treated in the same way, and the poor cabbage is often deprived of its head and the stalk is planted out for seed, to produce other stalks without heads.

Now, let this system be generally followed and in a few years there will not be any vegetables worth growing.

In selecting roots for seed the rule should always be, to take the best for planting in the note of it for future use. SHADE TREES .- Those who have not set them spring. This is quite an easy matter, as no per-

to produce a stock to plant another season for

Weak, small, meager seed produce weakly plants; a well matured seed produces a strong, healthy plant. A seed may be thin and small and germinate freely when planted, but it never will make so good a root or vegetable as one that is well matured.

Cleaning Seed.

Too little attention is also paid to the cleaning shell and put them in a box of sand, which should seed and grain for planting. Many persons will ing cattle for food has long been agitated in England, and dition. Yet even the flesh of these morbid creatures can ask, "what's the use of being so particular about that a society was expressly organized to look after this hardly be distinguished by the eye; and a muscle far dewill not grow anyhow." Certainly not, but, Cattle Club, is made up of gentlemen of means and inteling time-plant the seed in rows four feet apart; by cleaning seed or grain well before a strong wind, the light seed is carried away from the heavy and, by separating the good from the bad, there is a much better chance of growing a good crop than by sowing good and bad together.

Signs of Good Plants.

A close observer may readily discover in his crop the plants that are produced from good seed, which will have a strong, healthy appearance; beastles in p'ticler, but it's the case with many on 'em; while the poor seed will produce small, meager I knows that.' plants under the same chance and care, and the difference will be perceived through the season.

Peas and Beans for Seed.

sorted before sowing, by selecting those only which are true to their own variety and rejecting its fruit is delicious; and, wherever the locality the small, inferior seed .- This method may also be practiced to a good advantage by the farmer, by selecting out a small portion of the ears of wheat, sats, barley, &c, and sowing in a small patch in the season for seed for the ensuing crop.

[To be Continued.]

[From Life Illustrated.]

PRIZE ANIMALS POOR FOOD.

The flesh of animals will, for a long time to come, and largely, be used as human food. A healthy degree of fatness in an animal is evidence of good treatment, and of its healthful condition while living, and hence, also, of of fatness is very distinctly removed from a condition in which I an flesh, organs, and bones make up the animal. Unless in some special cases of disease, the flesh of the when necessary, and on the spot. animal, if used at all, should be taken in its natural adthey were healthy before,

So far as we consume the flesh of such beasts or fowls, we take into our blood diseased and imperfect sustenance, grows darker by exposure to the air, and the fiber be- dered actually diseased. and we compel our tissues, our muscles, brains, etc., to comes relaxed and softened at a certain period after death, be formed out of such deteriorated, depraved, poorly but long before any thing like active decomposition has pasture, freedom, and time to recover a natural tone and organized, poorly vitalized, often positively deranged and set in. The muscle is made up of bundles of fibers, easi- condition, instead of hurrying it into the stall and crowd-

its propriety; it is a proof that our prevailing modes of themselves are bundles of smaller filaments, called fi- will bring. preparing animals and poultry to be slaughtered for our brillae, or fibrils, and these are crossed by numerous fine own and for our purchasers' tables is disastrously and de- dark lines. Each fiber is enveloped in a thin sheath of table or the market, let that animal forthwith and perplorably wrong.

which one of those conclusions is untenable? If none of condition of the animal. them, what becomes the duty, in view of self-interest,

theory; we are not so sure that fattened animals are changed; the alternating light and dark lines are less facts.

We mentioned incidentally, in our last, the asthmatic within it, and where, in health, fat is never found. breathing, the suffocation, we might have added the great

ing, so that the fiesh and fat they lay on must be of a to the discolored, enlarged, ecrofulous glands, the cuta- of the heart, sudden death may at any time intervene. neous eruptions, and the abscesses of joints or soft parts, none of which, certainly, can be found in a healthy animal, nor in one born vigorous, and allowed to find its subsistance by grazing in freedom through fields or

But we now lay a new class of facts before our readers, for which we are indebted to the researches, and to the pamphlet containing them, of Frederick James Gant, our discovery of one more physician who can prefer the public welfare to his own prospect of fees; for we assure our readers that, to the extent of our observation, the number of such is astonishingly small.

fee him for attending them, as he well knew some of largely. the medical profession.

good, well-formed bulb of onion from an inferior based on a vicious principle. To test this question he alone having saved the animal from previous sudden one, or a long, handsome, tapering parsnep or determined to call to his aid the microscope. The ap- death! 'This animal, under three years of age, wrighed carrot from one full of small, sprangling roots, of pearances of healthy mus- upward of 2,800lbs., and was eating 21lbs. of oil cake a Care should always be taken to plant good whether the specimens brought under its keen eye were on the intestines of one of the animals examined. seed of any kind of vegetable and grain intended healthy or diseased. It would give the minute anatomy of the part examined and show whether it were a sample of physiology or of pathology.

used for food.

cleaning seed for sowing? The dirt and rubbish | matter so long ago as 1798. This society, the Smithfield | generated may wear its usual appearance. ligence, some of them high in official station, who have animals raised and fattened on their estates; and yearly, at least, exhibit the 'best' of these for competition.

The exhibition of 1857 is that to which Mr. Gant gave his attention. At the bazaar, he discovered but slight external signs of disease. One cow looked very ill, and laid her neck flat upon the ground. An attendant, in answer to an inquiry, said, I knows nothing of them

Three pigs in a pen, the property of Prince Albert, lay helplessly on their sides, with their noses propped up against each other's backs, as if to breathe more easily; but their respiration was loud, slow, and sufficating. Peas and beans intended for seed should be as- There was, at the end of each breath, 'a short, catching snore,' that shook the whole body of the an'mai. Mr. Morland's 'gold medal pigs,' 12 months 10 days old, 'improved Chilton breed," snored and actually gasped for

Such animals, says the writer, the judges highly commend.' The animals were all of great or even monstrous size, compared with their ages. To produce all this fiesh and fat in so short a space must have required a 'highpressure work against time, that would unavoidably overtax stomach, lungs, liver, heart, kidneys, etc.

Mr. Gant had particular animals marked and followed to the slaughter houses; and there he removed the organs and the specimens of muscle, which were examined immediately after their being butchered, confining himself to those animals to which the judges had awarded the highest prizes, as specimens of healthy rearing and feedits wholesomeness for sustenance. This healthy degree ing, viz., the gold and silver medal prize bullocks, heifers, pigs, and sheep.' Of such parts as were of interest, after di-section, he had drawings made, under the microscope

Let it be premised that the true flesh (muscle, or lean) mixture, the muscle or lean and the fat together. The of the animal is that which undoubtedly furnishes by far human body is made up, and continually re-made, from the larger part of the nutriment proper obtained from the the foo! taken into it. If the food be not healthful in its entire flesh. It would be poor economy in nature to make and prepared for the table, those who feed upon it can versa; so that each part doubtless goes to kindred uses, If conscience and benevolence, instead of the most ramnot be kept in a state of vigorous and complete health. after digestion. The strength and brawn-giving portions Animals are brought into a morbid or diseased state by can not be spared; and hence the nutritive and working our prevalent modes of fattening by confinement in pens, value of a sample of any meat will be impaired in just or converted into something else.

ly separated by picking apart with a needle, especially ing fat upon it, in the fear that he may lose its head, or This is not the fault of flesh-eating, nor a disproof of in flesh that has been boiled quite tender. The fibers perhaps only a few months' earlier use of the cash it membrane; and in health, fat is never found inside these | manently have all the freedom and range it desires, con-These are, in substance, the conclusions to which we sheaths, nor among the fibrillas, along with sistent with the owner's extent of pasturage; let it came, in a recent number of Life Illustrated, in our ar- small blood-vessels and nerves, it is found between the breathe, and run, and purify its blood and flesh, and lay

But it may be said, 'this is all very clever, only it is they are still visible, their make and appearance is wholly our markets.

This state is a stage of what physicians call fatty de- chuckle over, and we who partake of flesh will still eat

debility, of highly fattened animals; we called attention generation. In it the muscle is very weak, and liable to to the fact that exercise, air, freedom, all the conditions rupture. As this condition usually affects the heart very of health, are purposely denied to animals in the fatten- early, the circulation must be feeble; hence another reason why the operations of life are imperfectly performed, morbid character; and we alluded, daintily as we could, and the blood and flesh more disordered; while by rupture

In his examinations, Mr. Gant found, in the best' fat wether sheep, the heart much enlarged, its external and internal surfaces very soft, greasy, and of a dirty brownish yellow color, with here and there yellow spots of fat' imbedded in the organ. The microscope showed the substitution of fat for muscle to have gone on largely.

Of a prize South Down wether, the heart was found in a similar condition, and the liver, which was enlarged, was congested with blood and mottled with dark spots where the stagnation of blood was greatest. In the 'best' long-wooled wether-Lord Berners'-the heart and liver were in the same state, while the lungs were full of knots of the size of a bean, containing worms (filaria) in various stages of development, and also tubercles.

Mr. Gant, if he found out that high-fattened cattle In the 'best' pig of any breed-Mr. Morland's-the were unwholesome, and that by eating of them he would heart was enlarged, but its cavity contracted, so as to lessen his working abilities and shorten his life, could interfere with circulation; the liver dark and congested, have sought out the healthier specimens for his own ta- with some ruptured vessels. In his Royal Highness? ble, and left the community to sicken as they might, and 'best' heifer, the exchange of muscle for fat had gone on

them would. At all events, this is the general rule with Of a short-horned ox exhibited by Mr. Wortley, the best of any class, the heart weighed 7lbs. 13oz., and the That is another fact, Mr. Gradgrind; we can not mirce owner esteemed it such a prize that he charged for it as easily as you are left to mince your scrofulous pork- it the sum of half a guinea. In this heart all the ers and beeves; and so we give you a chance to make a appearances already noticed were found, with the addition that the fibers were wholly gone in many parts, Mr. (we should in this country say Dr.) Gant, had long and in one a rupture had already gone completely through cle, are well known; and the microscope would show day, besides other food. Scrofulous deposit was found

The most common results thus found were two that would naturally go together, the change of muscle more or less completely into fat, and a stagnation of blood in Mr. Gant's pamphlet, on 'The Evil Results of Over- certain internal organs. The entrance of fat largely into feeding Cattle.' and from which we purpose to extract the fibrils at once evidenced a diseased condition, of freely, and sometimes without quotation, is addressed which it was the effect, namely, the overloading of the emore especially to breeders, feeders, judges, and exhibit- system, or filling it with more material than it could conors of cattle, and then to the general public. His object jointly use and expel, as with a due allowance of food is to set forth the diseased conditions which he has found it would have done; and secondly, a new cause of the to characterize animals killed in supposed health and diseased condition, by further interfering with the vigorous character of the circulation, so necessary to keep the It seems that the question of the best method of rear- blood and flesh of even a well-fed animal in a pure con-

> A blood-stained appearance of the meat after death; a mottled or unusually dark look of the lungs or liver; knots or tubercles; a very fat, enlarged, flabby, or discolored heart, may be taken as indications of disease. A stupid, heavy condition of the animal while living, loud snoring, panting, gasping, etc., are not very dubious signs. If the solid excretions be found to contain undigested food, or the liquid excretions to be heavy, turbid, or discolored, the feeding may be considered too high for heathfulness.

> "Were a man," says Mr. Gant, in this condition (that of some of these animals) to present himself at an assurance office, it would refuse to insure his life at any premium. Yet, under similar circumstances a sheep is awarded gold and silver medals, and its feeder a prize of £201! And we may add, its flesh is eagerly bought up at enormous prices, to supply a notable dainty for the tables of epicures, and of families of wealth or taste, or of pride, which apes both. Witness the fabulous sums paid for steaks and roasting pieces from a 'Henry Clay ox, or any other similar mountain of morbid animal sub-

> Prize animals, then, are about as far removed as possible from perfect animals. How can it be otherwise? Is the 'fat womau' or the 'fat boy' a model human being, and a paragon of health? Far from it; and just as iar as these depart from the perfection of humanity, your overfattened beeves and hogs-the delight of sapient committee-men-depart hopelessly from health and wholesomeness. And just as far as your beeves and hogs depart from wholesomeness, and you who 'live by eating' still consume their flesh as food, your cwn tissues must become made up of deteriorated, poorly vital, and diseased material-just so far you must pre-occupy and overtask the vitality you have left, diminish working power, and shorten life!

> And yet, over-fattening is not the only evil influence to which the flesh of animals is subject. Over-work, diseases contracted by exposure, and unnatural treatment; crowding, tiring, overheating, etc., in transferring from country to city-all these are causes that interfere with the wholesomeness of animal feed as we now obtain it. pant avarice, could but rule the market and the raisers and the fatteners of stock, all these mischiefs could, and would, soon be entirely done away.

Let the stock owner charitably knock upon the head, or brand as leprous, and turn out to shift for itself and Muscle is known by its red color on cutting up. This die, the animal that ill treatment or contagion has ren-

If the health of an animal suffer, let him give it air,

If an animal in fair condition is to be fattened for the instead of being crammed perpetually to surfeiting, losing But in over-fattened animals, while the fat between in a degree its muscle, and becoming filled up with morcommon sense, and humanity alike, of those who have the fibers of the muscles is much more abundant, a still bidity and grease. And let drovers then take to themmade it their business to raise and prepare animals for more morbid change is shown by the fact that the fibrillae selves human hearts and understandings, and convey their themselves in many cases shrink and disappear, or where animals with care, and without excitement or harm, to

Alas! how much innocent white paper we have spolled! thereby diseased.' Very well; Mr. 'Gradgrind' shall have distinct, and the fibril itself is specked or dotted along Immediate self interest now rules the world at large. with little shining fat globules that have been deposited Farmers will still fatten, and committees will still commend, and thoughtless young men and women will still