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#### Correspondence.

For the Colonial Farmer. RURAL TOPICS.

WHEN SOILING CROPS PAY.

The system of growing crops, to be fed green to cows and other stock, has long been practised by farmers with success. But it depends on the extent of good pasture one has, and the number of cows that he keeps, to determine whether it is best, or not, to grow crops to be fed green. If farmer never lacks good pasture through the entire season, soiling his cows is of no object to him, as they will produce as much milk on an abundance of good grass in his pasture, as they will on any green crop that can be grown. But suppose the pastures fail in August and September and your cows begin to fail in their milk, and to grow poor from the want of sufficient food to sustain them in a green crop will save you a serious loss, as it is expensive to bring cows when that is lost from a lack of feed. There is a class of small farmers, and milkmen who sell their milk in villages, or otherwise, who have not land enough to pasture all the cows that they desire to keep; and with such men soiling is advantageous, three or

green crops grown. KINDS OF CROPS GROWN.

four cows being kept to the acre of

spring, quite thick; seed to clover, or the brush be made into brooms where

year's seeding on good land. Com- crop on rough land, unless it be plantmence cutting early so that the en- ed in hills three feet apart, putting tire crop will be fed out before the 15 or 20 seeds to the hill, and thin out

heads turn brown. such a crop, that you do not desire to stimulate its early growth, because it cut for hay.

of millet. Sow early in June, three derstand all that ought to be learned pecks to the acre, to be cut in July or in regard to this crop, one must read early in August.

Sixth-Corn, this is a staple crop pers which appear from time to time. for soiling sown in drills, two and a half to three bushels to the acre. Begin to sow as early as the soil and weeks till the first of August. Any growing sweet corn is generally considered best, being eaten with a great relish by cows. This seed is expensive, and can only be grown to the best advantage when the seed is grown by the sowers. The western dent is ly, and produces a great quantity of

good fodder.

and feed them from racks adjoining grapes, and a score of other things the fence where a load of feed can be that go to sustain life. drawn alongside, and pitched directly the cows should be stabled, and there land with a horse, and have plenty of

any other ordinary farm crops; but it labor, and you know that "time is requires experience in managing it to money. derive the most profit from its culture, make it into brooms in the winter shell.

season. Any young man of tact and enterprise can soon learn how to make good brooms, after examining the way they are made in a factory, where they have all the late improvements in the little machinery used, the cos of which is not much. There at dealers in all large cities, who supply handles, the baled brush, and every thing needed to go into the business and there is certainly "money in it, that can be made by any industrious young farmer, who would make the brooms in the winter, when he could

do nothing else to much advantage.

broom corn, and free from a great

growth of weeds. The rich, bottom lands in the valleys of rivers are well adapted to this crop, but any upland that will grow a heavy crop of Indian corn will produce good broom corn. The land should be well prepared by good plowing and thorough harrowing up to the time the seed is planted, about the first of June. Mark off the rows three feet apart, and sow the seed back to an abundant flow of milk, foot, and when it has grown two or three inches high, harrow the ground across the rows. You might think that all of your corn would be destroyed, but if you use a fine-toothed harrow, you will find your land well weeded and more corn left than ought to be allowed to grow. Of course you will have to weed out in the rows and thin out the corn to stand three or four inches apart, but the Larro First-Rye, to be sown early in has greatly aided you in this task September, rather thick; and if you Six hundred pounds of brush may be like, seed the land at the same time to easily grown to the acre, worth at grass. As soon as it has grown two least \$50, while the seed will pay the expenses of cultivation, as food for Second-Oats, sow early in the all kinds of stock when ground. can be made, after deducting a fair cost for manufacturing them. It is Third-Clover, from a previous not advisable to attempt to grow this to eight or ten. Some fertilizer ought Fourth-Rowen, when you have to be put in the drills or the hills, to grows very slowly at first and the Eifth-Hungarian grass, a variety weeds are liable to overrun it. To unthe full details in the agricultural pa-

ing their gardens too early. A few and absorbed, and replaced by a bony than would be derived from the pea warm days occur in April, and forth- matter; this is at all times a very crop sown broadcast. Another adwith they proceed to make their gar- slow process. The vessels of the bones vantage of drill-culture is the destrucdens; and in many cases tender vege- throw out from their roughened surtables are planted, and in 48 hours, faces, bands of lymph, which by a years been so injurious to the pea as perhaps, these people are shivering further process become converted into to prevent many from sowing this around in overcoats, in a storm of bone, forming an anchylosed joint, very beneficial crop. To save peas sleet or snow. My advice is, if the If during this destructive and repara- from the bugs it is well to feed them weather be warm in April, do you live process the horse is much worked, to the fattening hogs early in the also a good variety, as it grows rapid- keep cool. Plant peas, beets, onions, periostitis (inflammation of the dense autumn before they have begun their wax, which being about the consisand lettuce as soon as the ground is fibrous membrane which covers every ravages.—Farmer's Advocatc. dry enough, even if the weather be part of the surfaces of the bones) will cold; but keep your potatoes, sweet be set up, so that in addition to the In deciding where you will feed corn, melons, cucumbers, squashes, process going on between the articular to the manure Pease will stand a hard freeze after large amount of periosteal disease, matter. The probability is, that every planted the better. The Daniel the bones of the hock. cow that is pastured drops ten cents O'Rourke is a good early variety, and worth of manure in the field daily, the Champion of England a very fine the most of which evaporates into the late sort. Don't attempt to grow atmosphere. Now, if you can secure vegetables on poor soil, but apply the that amount of mahure from each manure liberally, as that is the only cow by soiling, you at once pay the way to have a good garden. Farmers expense of cutting your crops, and make a great mistake in neglecting feeding your cows in this way, and their gardens as a well-managed halfeven more than that, as twelve cows acre garden will produce what is may be fed, and attended daily, by actually worth from \$100 to \$150 to a the labor of a hand half-a-day, worth family! It comes in a score of ways generally not over 50 cents. The in the supply of your table-a succesmost comfortable way for the cows, sions of green peas for months, potais to put them into a yard adjoining toes all the season, sweet corn from the barn, where there is a good shade, early in August to November, berries,

MAKING GARDENS.

A cheap way to make a garden, is into the racks. Once a day the to select a half acre or less of land in manure should be gathered into a a field that is never pastured, near the wheelbarrow, and taken to the dung house; put no fence around it and the heap, which should be kept well north and the south sides not near a covered with litter. In stormy weather a fence, so that you can cultivate the fed. Or they may be fed in the stable room at the ends of the rows to turn altogether, and turned out into the around. Here you can grow many vard for exercise after eating their kinds of vegetables in rows, two and feed. In no case can a farmer make a half to three feet apart, and use a a mistake, by having an acre, or more, horse cultivator between them, Then of fodder corn ready to cut in Septem- let the boys or the girls, do the little ber and October, when the nights are handweeding that is required. Here long, and the cows are yarded, as they peas can be grown without brushing, require some kind of fodder at that a row of beets, one or two of turnips, season of the year, unless they be beans of various varieties, sweet corn kept in their pasture all the time; and in great abundance, and other vegeeven then, if short, a little green corn tables, without the useless trouble of making "beds," as is generally done for beets, onions, etc. Suppose you do waste a little ground in the middle There is about the same profit in of rows for some kinds of vegetables?

# Miscelluneous.

Bone Spavin.

Bone spavin consists in exostosis or the inner and larger part of the hock and is a disease of which some of the bones of the joint which were before slightly movable, become more or less anchyloses. In the beginning of the disease it often happens that the lameness or stiffness is very slight, and only observable when the horse is first brought out of the stable in the morning, or when he is first made to turn It requires a rich, mellow soil for

over from one side of the stall to the other. These symptoms may often be temporarily removed by a dose of physic or a week's rest in a loose box. chronic cases when anchylosis is going on; the inflammation being of such a

which interferes more or less with the of thing may exist for months with two bones firmly together. In this know of nothing in which people are stiffness until the cartilaginous sus-

# Orchard Manuring.

There would seem to be no good reason why, if we wish to raise good orchard fruits, we should not manure growing on rocky hillsides, and argue therefrom that trees can grow without manure, They know that potatoes and other vegetables must have manure or they will not thrive, but they regard trees as a very different order of vegetation, something that can thrive and flourish where nothing else would. But in the case of trees on rocky hillsides, the land is often anything but poor. The rocks themselves frequently contain valuable mineral presented in a form that plants can feed upon. Then, whatever vegetation grows among the rocks grows there to decay, and even leaves and other foreign substances that blow into the valuable plant food, on which the tree thrives. Indeed trees in apparently poor, rocky places are really much better off than trees in orchards where they are in what appears good land. In more level land trees must be manured. In many cases it is as necessary to the success that trees have an occasional manuring, as it is and transplant it in a common box that any other crop should have frame, where the soil is rich and cussions as to whether manure on fruit trees should be applied broadcast or ploughed in. For orchard trees there same planted in the open ground. A growing broom corn that there is in You produce them with very little is no rule; it depends on circumstan- mat or a few boards spread over the scientific knowledge of his calling,

then it is an excellent practice to arply manure as a top dressing, at least every other year, if you would have them bear an abundance of good fruit.

Spring Crops-Peas. This is usually the first sown of our bath" of coal ashes, road dust, or sand a certain time in the mouth to be im- certainly to be had for the first potaspring crops, as it is less liable to be mixed with the flour of sulphur, must pregnated with the saliva; thus grain toes in market this year. The first injuriously affected by early sowing be furnished for the healthful con- easily masticated are best utilizers reason is not a good one. If we are stood that the hardest part of a draft than any other cereal. And there is dition of her ladyship. When the when mixed with cut fodder. Many to have the potato beetle in quantities horse's work is the starting of heavy an advantage in sowing peas early- hen cannot have the advantages of a farmers decline giving oats in any this year the enemy will be with us loads. This is most noticeable in the early sowing as a general rule implies separate room, she must, at all events, other but the whole state to horses as soon as the earliest planted potatoes work required of horses on street cars, early harvesting, and the plough may be allowed to leave the nest once or and sheep so long as these animals are are up, and probably before. As the or in any line of service where the be started at once in the pea-stubbles twice daily for food and exercise. If vigorous and in full possession of potato grows slowly, when planted vehicle used runs on a track, and is when the crop is removed—sometimes she is not fed she will be very apt to their masticatory organs, and to se- early, this plan will only insure a intended to carry heavy loads. Once in time for a crop-of late turnips, or, eat her eggs to appease the demands cure their better digestions they are longer season for fighting the beetles started, the load is easily drawn, the if not, to prepare the land by an of appetite, and unless she is allowed mixed with cut straw. Animals in and larvæ. But many potatoes will "dead pull" required to set it autumn fallow for a succeeding crop. space for exercise her bowels will the growing stage, when supplied be got into the ground as soon as it motion, being the severest part of the The same remark also applies to many Let us not forget, however, in the become deranged so that constipation with beans, pease, etc., receive this can be done after frost is out, and the work. haste of our spring sowing that all will set in, to be followed, very likely, description of food after being per- best way to forward them as rapidly seeds, even peas, are liable to perisl. by a violent diarrhea. In order to liminily softened by steeping, or as possible is worth noting. Potatoes of careful experiments have been made low character there is very little pain in the soil if they be sown before it thrive, a sitting hen must have space coarsely cracked. For cattle with intended to be planted early should be in Switzerland and Germany, with a attending it; but when the horse is has acquired some degree of warmth. to run, flap her wings and shake her- bad teeth or weak digestion the food cut a week or ten days previously, view to obviate this great overplus of put to fast or hard work the inflamma- Peas are often sown on land that has self up generally, and if she is made ought to be bruised. Growven and and immediately rolled in gypsum. useful labor. The principal started ion becomes more active and the pain been quite exhausted by growing to search for her grain and scratch it Lehmann recommended that for pigs Newly-cut potatoes in contact with out with was that the rigid body to grain, and then has been merely out, Ekernel by kernel, from under cereals ought to be broken and mixed cold, moist earth are apt to rot, be moved, should, in some way, be In the early stage of articular scratched over. Even with this treat- leaves and straw, all the better, pro- with matters difficult of digestion, so as and sometimes the sprouts will thus made elastic, in order to obviate the disease of the hock there is a congest- ment they sometimes yield good crops. vided the weateer is not cold, in which to compel a long residences in the be destroyed. On the other hand, if "dead pull." To that end tugs were ed state of the vessels of the bone or But if it be worth the farmer's while, bones of the joint, and if sufficient by such haphazard cultivation, to take from her nest too long. rest is not allowed for the vessels to the chance of poor crops, it would recover their tone, inflammation of a surely be better to ensure, as far as in persistent character supervenes, and his power, heavier yield of a better profitable as the drilling of wheat. It follows soon exhibits a selection of it at the same time, or meadow hay, tages named above.

the nutrition of the bones is then quality. Pea soil should be mellow. nterfered with, as well as the secretion and moderately fertile. If it be not of synovia (joint oil). Tois stage of so naturally, it can be made so by the disease causes an aching pain cultivation. Though generally sown broadcast in Canada, the drilling action of the animal. Now, this state peas would, we have no doubt, be as has been found so in England. There ntermitting character, or only to be the land for pea crop is ploughed observed for a few yards when the lightly in autumn, then in spring horse leaves the stable in the morning, made loose and mellow by the cultiva-If the animal is not properly treated, tor, and the peas sown in drills from and this inflamed state be allowed to lifteen to eighteen inches apart, perexist for a long time, the destructive mitting the subsequent use of a partial action commences by softening and summer fallow, and weeds, the farmenlargement of the central cancellated er's great foes, are conquered. Besides, structure of the bone, the cells break the crop itself is benefitted by the up, absorption takes place, producing hoeing, and by the great influence of the first stage of molecular death, or the atmosphere on the growing and what is termed dry caries, the pro- maturing crop. The difficulty of gress of which depends much upon covering the seed properly is known how the animal is used. Granular to all who have sown peas broadcast. legeneration of the interesseous liga- This difficulty is obviated by drillments and articular surface of the sowing; by this the seed is all sown cartilages commences, and soon after. at an equal depth and covered evenly. out, gluing the diseased part of the As the frequent hoeing of the soil stage of the disease there will gene- of attracting atmospheric nutriment rally be more or less lameness or more than the soil would receive so liable to make a mistake as in plant- faces are nearly or entirely liquified the improvement of the soil still more

tion of weeds. The weevil has of late

We are frequently asked with refer your cows on green crops, an eye and beans out of the ground till May. surfaces of the joint, there will be a ence to the value of fish guano and its use as a fertilizer. It is extensively heap, as this is a very important they are up, and the quicker they are which may extend more or less to all used in some portions of the State, and where it is honestly made and judiciously applied, it gives satisfactory results. We believe with Prof. Goessmann that a well prepared fish guano is one of our most valuable alcohol and 1 part water, stirring home-made fertilizers, being fully our trees. People often look at trees equal to the best animal dust, and hol does not inflame, as it will if the that is one of the very best substitutes for Peruvian guano. Our resources are apparently but slightly taxed, for should be of the consistency of honey. the main bulk of fish refuse turned to Keep in a closed bottle and apply with account is still derived from one a brush. If after a month or two it branch of fisheries,-the menhaden becomes hard, remelt, add a few more fish-rendering works. The refuse of drops of the turpentine, and more of the cod fisheries and whale fisheries of the alcohol and water. A few days Northern Europe sends tens of thou- after it is applied it becomes hard, sands of tons of superior fish guano into the markets of Central Europe. Why are our resources of a similar matter, which, as the rock decays, is character permitted to go to waste? With us it is prepared mainly as a business incidental to some other, in large rendering establishments. The soil is extracted and the fish cake crevices formed by the rocks make a a fertilizer. We see no reason why place to acquire, or at least to perfect price, while the lighter grades could

tended .- Massachusetts Plonghman. from the stem, then take up the plant, to learn in connection with it. pinch off two inches from the tap root dace fruit two weeks sooner than the crops are grown but the trees, and practice.

Care of Sitting Hens.

The sitting hen, to be under favor-

Good Seed. ight or comparatively imperfect ker- or brewers' grains. Respecting the this with oats often extract one-fourth and much relished by cattle. beans, a riddle or screen gets rid of wound up. The cause are attributed as seed .- Cor. Country Gentleman. the scrisgelings. How forcibly and to insufficiency of capital, too high clearly does Liebig, in his "Natural indemnities, and too low premiums. Laws of Husbandry," enforce the The large patronize the societies recessity for care in the selection of less than the small farmers. Indeed, seed. The development of a plant the agricultural situation of Prussia the selection of proper seed is there- seems to be advertising his lands for fore of the highest importance for the sale. - Ex. future plant. Poor and sickly seeds will produce, in a great measure, the same character. The horticulturist seed bears to the production of a plant which is to possess all or only some properties of the species, just as the propagation and increase of stock, selects only the healthiest and best

formed animals for his purpose. LIQUID GRAFTING WAY.—The Practical Farmer gives the following directions for making liquid grafting tency of honey, may be readily applied with a brush for outdoor grafting, The Use and Value of Fish Guano. without the trouble of heating. It is likewise a good application for wounds in trees, cuts made in pruning, &c. Melt together 1 lb of rosin and 1 lb of good beef tallow. Remove from stove it, then add 1 teaspoonful of spirits of turpentine; replace on stove and add briskly and taking care that the alcomixture is too hot. Stir until the liquid is lost in the mixture, when it and will remain unchanged, except that it grows harder, for an indefinite

The Farmer and his Business.

The farm is the only place where a farmer can obtain a practical the standard, and which I may say education. It is to him what the almost invariably received the aid of ground up and manipulated for use as laboratory is to the chemist-the salt; bringing the highest market empirical precept. the business should not be greatly ex- his agricultural education. The time A writer in one of our exchanges even if it be three score and ten years, about 48 cents per acre, surely a very says the way to get early tomatoes is, If he is a good scholar, and ambitious, as soon as your tomato plants have he will master his profession; but if

The model farmer posesses those freely, although it is retained long manure. There have been many dis- loamy. The box will keep off the mind, that intuitive forecast of the wind, and plants sown and grown future state of the markets, that the straw is stiffer and brighter; heads There they lie upon the smoking inch in length, about the size of a there eighteen inches apart will pro- general intelligence and strict in- larger and better filled; weight tegrity, which combined with a heavier, proving it to be by practice ces. If the trees are on ground where frame at night will keep them from will always insure success. You will frost, and is far easier and quicker observe that this implies a great deal, than going over a field nightly and nothing less than that the farmer that be strong and bright, and of a For a nest egg, break a place on of course, turned in for the benefit of setting boxes over each hill. As soon should be a well developed man. And good color and full of blood, shaking them into the earth, or the farmer make a hole a foot or so deep in the and also some expense in the purchase the end of the egg the size of a cent, these crops, and the roots of the fruit as the plants have set fruit on two what calling tends more certainly and with every quick movement of the flings them in manure upon the soil. Sixtle pieces of root drop to the botof a machine to clean the brush of its and shake out the contents. Have trees fight with those of the vegetables blossoms of each branch, and the top directly to a full, manly development bird in the combed varieties, the bird trees fight with those of the vegetables to the bottom, a clean, straight sprout will come seed, if grown extensively. Some ready some plaster of Paris, which for some of it; and get it, too. But has grown two to four leaves the than that of the agriculturist, when is in normal health, and in a laying farmers grow a few acres of it, and thick cream, with which fill the empty there are many orchards where no and top should be again put into las. in Vermont Agricultural Report and wattles have a purplish tinge, the

Stock Feeding in France.

The old question is being again able circumstances, should have a agitated as to the advantage of giving their potato crop as early as possible room by herself in which a supply of bruised, or too minutely divided food -partly because of the potato beetle, pure water and grain is constantly to animals. It is argued, that it is to get the start of that, and partly to kept, and the all important "dust essential that the food should sojourn secure the high price, which is pretty place do not tempt her to stay away mouth. Dr. Wieske has found that cut and allowed to dry, the pieces, if provided, that had in themselves a grains which have passed entirely small, will sometimes fail from drying degree of elasticity. They were conthrough the system have not, contrary out. The gypsum dries the surface structed of iron tubes, filled with to the general belief, undergone any of the cut so that it will not decay, circular pieces of rubber, placed How important is parental influence, serious chemical change. In Southern and at the same time prevents the alternately with pieces of similar and how unreasenable is the practice Germany, glands, when slightly dried, juices of the potato from evaporating. shaped iron. Through all was run a (still pursued by some) to sow inferior are given to sheep in their natural The potato plant is benefitted by a rod, with a cap at the end, which. or unsaleable seed as a matter of state, at the rate of one pound per dressing of gypsum, and the dusting when the strain was put upon it. economy! Admirably as our dressing day; they like the food much, but it of it, which adheres to newly cut po- would compress the rubber in the machines now separate superior seed, often produces apoplexy. It is a good tatoes, is worth more than its cost as tubs, and instead of pulling against a still the more powerful blower which practice to give some mill refuse with a fertilizer, besides the other advandead weight, it was transformed into

Salt as a Manure.

appearance as the salted drills were never yet seen. of a brighter color, taller, and ripened fully a week earlier than the others.

"We find we receive the most bene-

chean manurial agent. It is consider-

THE COMB IS THE HEN'S PULSE. - If bird is not well.

Most farmers are proposing to plant

nels or seeds. A light ordinary sam- latter, the Vienna brewers now con- potatoes which sprout badly, the seed made, by which means exact results ple of dressed grain passed through a vert the grains by great pressure into tubers should be kept as cool as pos- could be secured. It was determined powerful blower comes out in a very cake, previously mixing other mat- sible. Pits in the open ground are that in the steady work after the load improved condition. I invariable blow ters such as crushed barley and malt generally preferable to the cellars was in motion, the amount of labor all my seed and grain, and by doing sprouts. The compound is nutritive, under dwellings which are often much was reduced seventeen per cent., and too warm. The second and each suc- the effort in starting the inert load Cattle insurance companies in Ger- ceeding shoot from the eye is more was diminished more than twenty per applies in some degree to grass and many have not proved successful; feeble than the first, and if sprouted cent. Other experiments, employing other seeds. In the case of peas or those that have not failed are being very badly they are almost worthless different appliances to accomplish a

Potatoes For Horses.

when I have my horses up in stable depends upon its first radication, and is not cheerful; every proprietor I think I will call the attention of your readers to the practice of feeding potatoes to their horses. I once came very near losing a very valuable horse from feeding him dry hay and A correspondent of the Country oats, with nothing loosening. I have Gentleman, residing in Brant County, never believed in dosing a horse with Ontario, writes as follows concerning medicine, but something is actually necessary to keep the horse in the "Having seen a communication in right condition. Many use powders, cattle breeder, who, with a view to your last issue upon the application of but potatoes are better, and safer, and salt as a manure, I fully endorse the cheaper, if judiciously fed. If those who good results from its use, as expressed are not in the habit of feeding potatoes by your correspondent. In Brant to horses will try them, they will be county, where I reside, its non-appli- astonished at the result. I have cation will soon be the exception and known a horse to change from a lazy, not the rule, as a material benefit ac- dumpish one, to a quick, active, headcruing to those who have used it, is strong animal in five days, by simply such as to make us feel that our suc- adding two quarts of potatoes to his cess in growing good crops, particu- feed daily. If very much clear corn larly barley, depends to a considerable meal is fed, they do not need so many extent upon its application. Experi- potatoes. Too many potatoes are ments have been tried, such as leaving weakening, and so are too many strips in a field without any salt, re- apples. When I was a lad I was away sulting in such a contrast as to cause from home at school one winter, and any one not knowing the facts to had the care of one horse, one yoke of wonder at it. But the most noticeable oxen, and one cow, every one of which difference within my knowledge is I had to card or curry every day. where a farmer sowed the salt with an The horse had three pails of water 7 oz. of a mixture of 2 parts strong attachment on a grain drill for that four quarts of oats, two quarts small purpose, by which, not working pro- potatoes, and two quarts of corn extra perly, some drills were salted and every day he worked, with what hay others not, making the barley field at he wanted, and a stronger, and more harvest time present a rather ludicrous active horse of his inches, I have

Why Dew Hurts Sheep.

From time immemorial it has been fit from an application of about 240 a precept with careful shepherds not culturist a new (?) method of propagatpounds per acre. We sow broadcast to let the sheep turn out upon the ing certain plants by which the peron the ground after ploughing or be- dewy grass, or graze in damp and centage of loss is remarkably small. fore cultivation, as the case may be, marshy regions. Why was the dew It consists in snapping the shoot to be working it in with the grain. There of the morning, so dear to poets, con- propagated so nearly in two that it is no question with us whether we sidered dangerous to sheep? No one hangs on to the plant only by a "shred shall apply it or not. Of course last could tell, least of all the bucolic of bark." "Slight as this strip of season barley was generally a pretty guardian; but if he could not tell you light sample, yet in this vicinity we why it was so, he averred that it was out material injury from wilting until grew a considerable quantity up to so. And now science comes with a it forms the callus which precedes very simple explanation to justify the the formation of roots. The cutting

Siebold, the great comparative anatomist, has given the rationale in his then potted in two or three inch pots," "So far as the cost is concerned, we curious treatise on entozoa. Many of Mr. Henderson last fall propagated in in which to acquire it is as long as can get good, clean salt at \$3 per ton, the creatures pass the early portion this way nearly 10,000 plants of the that which he spends on the farm, costing at our rate of application of their predatory existences in the Tricolor Pelargoniums with a loss of bodies of one species of animal, and but 1 per cent; whereas, had he adopted that salt very generously absords their maturity in another. The eggs has been that a loss of at least 50 per ammonia, yet it is not thought to be are deposited in these latter domi- cent. might have been expected. We made four leaves, pinch the top bud stupid or indolent, he will find little a permanent benefit, as in the decom- ciles, but not developed there; they know persons who have practiced this have to be expelled; and the dear method for many years .- Moore's active habits, that practical turn of enough to be of benefit to growing little innocents, either as eggs or emplants. At all events, our experience bryos, are cast upon the wide world is where it has been applied to grain, to shift for themselves. But how? if we take a piece of root about an dung-heap; and far away roam the large bean, and put it an inch below as well as by theory a very valuable sheep in whose lungs they lived, and short piece will come to the surface they alone can develop themselves and form a crown, and another portion and find food. What chance have will descend and probably they? This chance: the rain washes form a root; but instead of this, if we

Preparing Potatoes for Planting. there the business is accomplished! Thus it is that the dewy grass is dangerous. Thus it is that damp seasons are so prejudicial to sheep, multiplying the diseases of the lungs and liver to which these animals are subject .-Wool Grower and Stock Register.

HELP THE HORSES .- It is well under-

During the past summer a number a body that was moved by gradual For late planting, especially of early effort. A dynamometer test was similar effect, were made, with practically the same results. It is simple and easy to adopt, and any one can

> use it, as no patent is existing upon it Mr. George Fleming, the eminent veterinarian, attributes the present outbreak of cattle plague in Europe to the mobilization of the Russian army in Bessarabia, where the disease is said to be indigenous, "From the earliest times," he remarks, "the movements of Russian armies have been marked by the outbreak and diffusion of the scourge in western countries. On this occasion we can trace the origin of the contagion to the Polish frontier. Almost immediately afterward it appears at Hamburg. Altona, Berlin, England, and elsewhere-showing the great danger remote countries incur through the facilities afforded for the transfer of cattle." We have italicised these words to show that Mr. Fleming, like all other high veterinary authorities, recognizes the fact that there can be no real safety from foreign cattle disease until the importation of live stock is prohibited. But he enforces this statement by words even stronger and more explicit. "Port inspection," he declares, is not only no safeguard, it is an illusion; and there is no reason why an ox infected at Berlin might not pass every inspection on its way to Aberdeen, and be some time at the latter city without showing any symptoms of disease." Further on he reiterates: - "Port inspection is not only useless-it is fallacious. This the historical teachings of the disease abundantly prove."

Peter Henderson gives in The Agribark appears to be," he says, "it is or shoot may be detached in from eight to twelve days after it has been broken in the manner described and

Every piece of horseradish grows: the surface of the prepared ground, a they fix themselves against the moist up to the surface, and this will in time entozoa into their stomachs. Once piece as could be desired —Lewiston