# FOR FARMERS AND GARDENERS.

## Southern Tour of Agent Little.

We have before us a letter addressed to Bishop E. Hunter, president of the D. A. and M. Society, from which we learn that, during a recent tour through a portion of Utah county, the agent of that society, Mr. James A. Little, accompanied by Mr. C. H. Oliphant, a meeting was held at Lehi, at which were offered suggestions useful to all engaged in home manufacturing and agricultural pursuits. The claims of the society Manure highly, and you get rank, rampant vines, were also presented. They saw, at Lehi, a bin of very bright, clean wheat, raised by Mr. Goats, of that place. To securely prevent smut, Mr. "Grats washed his seed and rolled it in lime, in which condition, on account of the weather, it was, he had a crop of wheat, instead of smut. best. It is believed that seed wheat, treated in this way, should lay three or four days before sowing, to let the lime operate upon the wheat.

At Lake city a meeting was also held, where a dively feeling was manifested relative to improvement in agriculture and the success of home manufactures.

A pig, 9 months old, was exhibited there, the quarts. unusual size of which suggested that there was room for the introduction of far superior breeds between the rows with green grass or straw, to than those now propagated among us.

A meeting was held at Pleasant Grove, where, also, an interest was awakened.

At Provo they attended a meeting of the Utah Branch Agricultural and Manufacturing Society. On the following evening they held a meeting. to bury the plants. If in the spring any of them thing that tends to develop the resources of our mountain Territory.

A meeting was also held at Springville, where considerable had already been done by Agent to Russia, from China, in 1653. Since that period C. H. Wheelock.

They proceeded and, in the evening, held a staple article of commerce. meeting at Spanish Fork, which they represent as not behind any other settlement in their zeal not be distinguished by the color of the leaves. for home interest.

ally to adopt a more thorough practice, hereafter; green from the young. -also to enter more extensively into the growing of carrots, sugar beets, rutabagas, &c., for | with a bushy top. The leaves are cut when the winter feed of stock; also, more generally to plant is three years old-each tree yielding about save and apply their manures.

Fruit culture is beginning to attract due attention, with some of the brethren south. There is planted about three feet apart, four or five in is no question with us that they will be able to a hill. After the lapse of ten or twelve weeks, is planted when frost is most likely to find it in exceed even their most sanguine expectations, if the germ shoots from the ground, after which its the milk; wheat is gotten in too late to withstand they will set out the trees and properly attend growth is very rapid. Two or three of the strongto them after they are set out.

apart for the culture of sorghum sucre. This is winds, it will grow on barren, stony soil. commendable. They will doubtless secure an abundance of excellent syrup; but should any, can inform us of their success? as hinted, wish to experiment in sugar-making, it will be necessary to plant the seed as early as your early corn, that it may fully mature, without which it will not grain.

## wwwww

STRAWBERRIES .- This delicious fruit has been cultivated with encouraging success in this Territory, yet not so generally as we could wish, for a fruit so rich and so easily obtained. August is the month usually preferred for transplanting, the ground having been well spaded previously, in May or June, and again before transplanting. But it is now spring, and, if there be any who have a spare space which they would like to devote to the strawberry, let them obtain some good plants and set them out.

Now, then, having secured the plants, how are they to be treated to render them most prolific? On this we will make a few suggestions, taking it for granted that due attention has been given to the preparation of the soil, which should be moderately rich, and mellow.

Set out your plants in rows three feet apart, the plants in each row fifteen inches apart. By observing these distances, the bed can be kept clean with the hoe. By cutting off the runners manure an acre. A single handfull is sufficient once or twice you will have no further trouble for a hill of corn. with them during the season and the fruit will be of larger size, more easily gathered and the crowns of the plants for the next year's bearing will be increased and strengthened, which will cause them to form large bunches of flowers, and the as to plow very early in the spring, it should before sprinkling it on the wheat. There is little ing of the wrong breed, although perfected in that fruit will be much larger than if cultivated in an ordinary or indifferent way.

plants have attained a more healthy growth ring of the soil previously, if it is very soft, a thing that never can be done without great Bakewell, in the outset of his career, saw the mulch, or sprinkle the beds, or rows, with a good | year 1858 will be long remembered as one of lime, are employed. The quantity of blue-stone improve, and in starting, availed himself of the coating of saw dust, spent ten-bark, shavings, unusual wetness in the spring, and one of for old dry wheat never need exceed 11/2 pounds labors of the "improvers" before him, such as wood ashes, decaying chips from the wood-yard, failure of the oat crop. Yet, in every instance, to each 8 bushels, but 21/2 or 3 gallons of water they were, and obtained the best stock from them straw or any light substances, to keep the surface moist, sustain and invigorate the plants, and, where it had been under-drained, the crop was exceedingly simple, and this of itself is a great breeders of England, who bred his kinds of aniwhere short-stemmed varieties are cultivated, the

berries, when ripe, are clean and do not become half covered in the soil.

There is some diversity of opinion as to manuring the soil for the strawberry. One amateur says:-"The ground for strawberries ought to be well prepared before planting, by trenching or subsoiling 15 or 18 inches deep and mixing plenty of stable or yard manure with the soil when performing the operation." Another says his "largest and finest crops of the strawberry are manure has ever been applied. and but little fruit."

on the adaptation of soil and judicious but limited ers lose money by neglecting to study the manuring, though the efficacy of mulching is universally acknowledged and, in this country, lay some ten days before sowing The result probably, for trees and all perennial plants, is the

> Wilson's Albany seedling, raised, between June 17 and July 10, last year, from a plat 18 by 20 feet, the enormous quantity of seventy-four quarts, besides those decayed in wet weather, estimated at about twelve quarts. In one day, without close picking, the plat yielded twelve

It will be found beneficial to mulch the ground prevent that portion of the bed used as a path from becoming too hard.

rows, mulching again as above, and cover the land, of suitable soil, rich, deeply tilled, planted bed with horse manure and litter, taking care not in good season and thoroughly and cleanly culti-The brethren at Provo are wide awake to every do not readily appear, the muck should be pushed aside; but the manure and litter are to remain on the bed.

> THE TEA PLANT .- Tea was first introduced inthe demand has increased till it has become a

There are varieties of the plant, but they may Black and green tea are from the same tree-the There is a disposition among the farmers gener- black being produced from the old leaves, the

The plant grows from two to four feet high, three ounces of dry tea.

Its culture is said to be quite simple. The seed est shoots are allowed to remain-the weaker ones, At Springville, about 250 acres have been set | if any, are pulled up. If protected from severe

CHINESE SUGAR CANE. - These of our farmers who design cultivating the cane in large patches would do well, perhaps, to plant the seed in hills three feet by two apart, dropping eight or ten seeds in a hill and, at the first hoeing, reduce each hill to six stalks.

See to it, however, that neither broom corn, Dourah corn, nor chocolate corn are within half a mile of your cane field, for, if mixed with any of these varieties, your seed will be rendered unboth in quantity and quality. Plant about the bats and inert subsoil-to plant when we should time of planting for your corn crop, and spare no labor in procuring the best seed.

HEN MANURE .- Those who have hens-and he who has not, should have-but be sure and keep them from injuring the gardens of your neighbors-may obtain, by a little care, a manure in no respect inferior to the best Peruvian guano from the droppings of their hen roosts. Cover the ground under the roost with old muck or common soil and, as the droppings accumulate, gather them into a barrel, where it can be kept times washing with salt and water was recomdry. It is said that forty bushels of this will mended. Both plans might mitigate the evil, but greatest stock improvers of the last century, in

there is no time to sow oats so good as just as The quantity generally used in pickling new effected his purposes. He had a design, of soon as the frost is out of the geound so that wheat is 11/2 pounds of blue-stone, dissolved in course, and knowing what he was about, and plowing can be done; and if the land is not 2 gallons of not water, which is sufficient to pre- how to use his material, continued it so long as naturally dry, or has been under-drained, so pare 8 bushels, the liquid being allowed to cool was necessary, His cattle, to be sure, from bebe plowed in the fall with a Michigan plow, risk of injuring the seed by an overdose, as half a breed, were superseded by other breeds; but his and then it can be harrowed or scarified with a pound of blue-stone has been applied to a bushel horses and his sheep, as he left them, now stand cultivator, and sown and lightly dragged. without injury to the seed. Old wheat can also as models for every good breeder in England, and As soon as the weather becomes hot and your And it is even better to sow without any stir- be pickled with perfect safety with blue-stone- have so stood since his time. rather than to "wait for a good time." The danger, when chamber-lye, or salt and water and imperfection of the breeds which he wanted to where the seed was put into the ground early, are necessary for saturating the seed. where it had been previously prepared, or The mode of pickling wheat with blue-stone is two score years, at least, until all the fine stockgood, both in straw and berry.

### "A Little Farm well Tilled."

We commend the following sensible article, from the Genesee Farmer, to the careful consideration of our farming community. The evils of Western New York are by far too prevalent here:-

#### HOW FARMERS LOSE MONEY.

Farming without profit is a money losing busicents to throw away dimes-spares a few days' work and gets but half what the soil would give with better treatment. Let us give a few illus-However, we will venture that more depends trations. To begin with a minor instance, farm-

#### ADAPTATION OF CROPS TO SOILS ..

It is well known that almost every crop and product succeeds best in some one kind of soil, and that these preferences vary as widely as soils vary. One kind of soil is a corn soil, another a Dr. G. W. Russell, of Hartford, Conn., of the wheat soil, another suits rye. Let us try, then, to so plan our operations as to give each crop the soil which suits it. Farmers lose money by neglect of the maxim that

### ALL SOILS MUST BE MANURED,

Before they can be productive of valuable food-it can be starved as readily as man or M. Clay, of Kentucky: beas'; and yet, how much of the unprofitable farming to be seen results from attempting to grow crops on worn or poor soils without manure. The corn crop, for instance, is a comparative failure on all but good soils, from want of food to thrive upon-from lack of abundant and ready prepared nutriment to hasten its growth, so that In November, cover the ground between the it may reach maturity in season. An acre of vated, will produce more corn than five acres, poor, skin-tilled late-planted and half-cultivated, and at perhaps one half the expense of the latter. natural order. The question of deep or skin-plowing needs further illustration. An acknowledged requisite of large productiveness is

#### A DEEP AND MELLOW SOIL.

grass, oats, or barley, must have roots and root- produce anything memorable. 4th. It falsely lets equally thrifty, and such only grow in a deep, bases all "improvement" upon feeding and shelmellow soil. With plenty of room and food for ter, ignoring selection of superior points. 5th. It the roots, the whole plant will correspond; with is not the natural order as alleged. In a state of a shallow or cloddy soil, the roots are only ade- nature the feeble creatures of 'in-and-in' breeding quate to a small growth above ground-they can are driven off and killed by the superior types neither find nor carry up the nourishment requi- from all sources. site to a large product. It may be said that some "When a man attempts to keep up 'in-and-in' soils are already too light and mellow; but such breeding he violates this great law of selection; are rare. Farmers, again, lose money by

## UNSEASONABLE SEEDING:

And also by imperfect seed-by sowing and planting when only a remarkable season can produce a favorable result. Spring grains are sown when, in the usual course of nature, the summer drouth must injure them seriously; corn the winter and just in time for the midge-the farmer taking a risk no insurance company would venture upon, without the highest premium.

## CLEAN CULTURE

Will it grow in Utah? Who has tried it and farming. Is it a matter of small importance to the best. When he discourses upon any topic, I a growing plant, whether it has the field to itself, hear, or read him with great respect and attenor whether weeds surround it and rob it of a por- tion, as I do now; but thinking him exceedingly perience teaches that it is not. Observation will the use of your columns, Mr. Editor, to express, show us that we can not feed a vagabond with most respectfully to him, my own opinions in the the bread which belongs to our faithful servants, matter. unless they go hungry for the same. Lastly (for heeding the injunction,

## "DON'T ATTEMPT TOO MUCH:"

That is, more than they can carry out thorougly and systematically. Don't let us attempt to grow cat-tail flags on good corn soil-to raise a "premium crop" of any kind on an exhausted fit for planting and the cane juice deteriorated soil, without manure-to feed plants with brickbe hoeing-or to raise grain and weeds at the same time, expecting both to flourish; but attempt only what we can give due preparation, manure, time, and culture; and the number of ways (they seem almost innumerable) in which "farmers lose money" will be sightly less.

#### monumen Preventing Smut in Wheat.

Morton, in his "Cyclopedia of Agriculture," a recent English publication, says:-

"The old agricultural pharmacorceia gave chamber-lye and caustic lime as the grand recipe for the destruction of the black-ball, and somewas thought of, and there can be but one opinion and to the closest connections, and persisted in OATS-WHEN TO Sow .- As a general rule, as to the perfect efficacy, when properly applied." it until in each of those varieties of stock he

recommendation in its favor, even although it mals, had either purchased of him at high prices,

were not more efficacious than the older methods of pickling; but, when simplicity and efficacy are united, there is no excuse for any farmer who may still obstinately stick to imperfect and obsolete practices. All that is necessary, in pickling with blue-stone, is to dissolve it in hot water in therein spoken of as existing among the farmers the proportions before stated; then spread out the wheat about 6 inches thick, on a stone floor, sprinkle the pickle equally over it, and mix thoroughly with shovels until the wheat has acquired a uniform degree of dampness. It will be ready for sowing in the course of two or three ness. Farming neglectful of practices known to hours, but it is better to have the pickling done a grown on land without any manure, and where no ensure large crops, is a money wasting business. day before sowing. Many farmers pickle the Farming with mistaken deas of economy, saves whole of their seed wheat at once, and let it lie for years before sowing, not only without injury, but with evident advantage; the blue-stone thus appearing to possess the power of defending the germ against atmospheric influences, while, at the same time, rats and mice will not touch wheat so pickled, unless greatly pinched for food .- [Pat. Office Report, 1855.

> Blue-stone, we are informed, can be obtained at the store of E. D. Woolley & Co.

#### -vvvvvvvv-[From Am. Agriculturist, Feb., 1859.]

### STOCK IMPROVEMENT..BREED-ING IN-AND-IN.

In the Ohio Farmer, of November 27, last, I crops. To grow, a plant must receive suitable find the following from the pen of Hon. Cassius

> "Breeding in-and-in; that is to say, breeding to dam or sire, or near of kin, has been too fully discussed by some of the most intelligent men in this country and England for further argument. Its advantages are: 1st. It reduces the bone, and gives, to a certain extent, more fineness and symmetry. 2nd. It produces a tendency to earlier maturity. 3rd. It suits an indolent breeder-he gets at home what others go far to seek; he chooses once for all, while others make a yearly choice through life! 4th. It is urged as the

"Its disadvantages are: 1st. It produces idiocy, blindness, want of constitution, disease, and impotency! 2nd. It takes away all the advantages of a wide and wise selection of superior animals. 3rd. It is practiced now and always by that large A large hill of corn, a thrifty growth of wheat, class of mankind who never have, and never will,

and nature closes his false practice by impotency, disease, and death. From all which, I conclude the rule-never breed 'in-and-in' when you can get an equal animal of the same race, or breed,

To the above I must dissent, and, if the writer will permit a humble New York farmer 10 do so, I will take an opposite side. Mr. Clay is a gentleman, a statesman, a philanthropist, a farmerfour of the noblest qualifications which can be accorded to any man. He is, withal, a capital stock breeder, and on his magn ficent fifteen hundred or two thousand-acre blue-grass farm, in Central Kentucky, there is a splendid collection Is an acknowledged necessity of profitable of short-horn cattle, of sheep and of pigs-all of ion of the nourishment supplied by the soil? Ex- twisted on that of "in-and-in breeding," I beg

What is "in-and-in" breeding, as usually unthis time at least), farmers lose money by not derstood by breeders of "improved stoock"-for I take it, that those who only breed "common things" either know or care precious little about it, so that they only obtain the procreation of their beasts in any cheap and convenient way? As I have been taught, all the great and marked improvements which have been made during the past century by the most distinguished stock improvers in England, whether of horses, cattle, sheep, pigs, or poultry, and the perfection to which they have brought their animals, has been by a series of the most persistent course of coupling sire to daughter, son to dam, brother to sister, and any, and all other collateral relationships in which the particular qualities they desired to transmit in the offspring of their breeding animals predominated.

Take the "Stud Book," containing the pedigrees of the most celebrated "blood" horses on record, and you will find those of marked celebrity on the turf and in breeding, were frequently bred from the closest affinities in both size and dam, even down to a late day.

Bakewell -who is quoted by all as one of the neither of them ever prevented it. Fortunately, the draught-horse, long-horned cattle, and longsulphate of copper (blue-stone, or blue vitro;) | wooled sheep-bred in-and-in without scruple,

that he could, and then worked upon them for