#### THE SLANDERER.

From heaven's four winds collect in one All things most hateful 'neath the sun, All things that do, or emblem ill, The frost that nips the opening bloom, The blight that seals the flow'ret's doom, The famine's hungry, spectra form, The spotted plague and sweeping storm, The quicksand's deep, engulphing snare, The sunken rock that baffles care, The adder's foul and fatal sting, The panther's sudden, deadly spring, The robber's grasp and rilling hand, The cloak'ed assassin's ruthless brand. These fearful things collect in one, And yet you'll find them all outdone-Not by a flood's wide-sweeping tide, Or fields where death and carnage ride; Not by the lightning's scathing flash, Or by the earthquake's whelming crash, But by the sland'rer's pest like breath,

Besets all things, than plagues more fell; That often dims young Genius' eyes, That severs Friendship's fondest ties; And often too has durkly spread A cloud around fair Virtue's head. Go, then, and search the world all round, And naught so deadly can be found, As that vile, creeping, hateful thing, Whose heart is false-his tongue a sting.

# ESSAY ON AGRICULTURE

Mill Creek Ward, Salt Lake Co., U. T. October, 4, 1873.

Manufacturing Society.]

#### AGRICULTURE

matters, on visiting these valleys ing, it is better to do so. come acquainted with the fact that trouble. some who have been thus successful have come from the workshops is a time that is always wished for, lying along the State road between ence whatever in connection with however, sufficient room for improvement, and to this end should our energies be directed.

### WHEAT

is our staple crop, and is raised in all parts of the Territory. Our average yield, which is about thirty bushels per acre, would be considered a very large crop in some parts of the States. Fall or winter wheat should be sown in September, that it may be well rooted, and cover the ground so as to form a protection against the repeated frosts and thaws of early spring. Wheat should never be sown in soil where alkali abounds, in the fall of the year, for it will surely be a failure.

It is a better practice on such land to plow in the fall, turning up the roots of perennial weeds to the action of the frost; and again plow or thoroughly cultivate in the spring, and sow clean seed of a good variety, at the rate of about two bushels per acre, about the be-

ginning of April.

It is also a good practice to plow the table-land in the fall, and give it a thorough going-over with the cultivator in the spring. This makes as good a seed-bed for small will be a much surer crop.

### SELECTING SEED

wishes to improve a good variety, it this branch of farm work. should be done by selecting the largest and most perfect heads before

reliable man. It would be a hard matter for any four to five weeks.

All things that blast, and sting, and kill, Chili. But whichever variety may is, "get up here." "Hurrah! we standing in the field. may appear, it should be vitiroled bushels to-day." before sowing. By way of experi- It would be well for those who First, the grain, which is generally at one end. proved the sale, are sale, and

effective way of applying vitriol to well. If we export grain, let it injured by the early fiosts. I should seed wheat is as follows-pulverize compare favorably with grain from judge that about eighteen bushels one pound of blue vitriol and dis- other places in the market to which per acre is somewhere near the solve it in one gallon of hot water, it is shipped. That smites your name with worse than add sufficient cold water to reduce To do clean and good work, the times forty and even fifty bushels I plant my potatoes?" is a question rit to a temperature of about seventy farmer should have plenty of help, per acre are raised on the rich bot-That, charged with poison straight from degrees. On a clean, tight floor so that each man can perform his tom lands; but it is also true that me it is the height of absurdity. empty seven bushels of clean seed part without too much exertion, ten, and even as low as eight, bushwheat, and with an old broom and do it well; stacking the straw els per acre are raised on some of sprinkle the wheat with the liquid; neatly, and stowing the chaff in a the poor uplands. mix the grain thoroughly with a convenient shape for winter use. shovel or grain scoop, and continue And the machine should be run at to sprinkle and mix until the liquid a regular speed; when run too high is all mixed with the wheat. The it cracks the grain, and the farmer seed will be ready to sow in two has to sustain less by a large hours, or it may stand for a week amount of screenings at the mill, without injury.

#### THE IRRIGATION

of wheat is by no means a small item, as from four to six bushels per acre is often lost through neg- drive a little farther to secure a George Calder, lect or inexperience in this matter. good article of flour, whether for All ditches should be in good order home use or for market. If he before watering time, and the land | wishes to sell his flour, although he should be so laid off that it will not may not get a higher price for it, wash into gutters and holes, which people will patronize him-this is [Awarded the First Prize at the late would make it uneven and rough the case with all farm produce-Fair of the Desert Agricultural and for the reaper, besides destroying a and if he wishes it for home use, the portion of the crop.

in cold weather when very young, right mill. Millers are generally has always occupied an important as it chills it and causes it to have taking more care to supply a good position in human transactions. a yellow cast, after which it seldom article of flour; but after giving In the history of Utah its opera- forms a perfect ear, that is, the ear every mill, within a reasonable tions are very conspicuous, for is small as well as the kernel. distance, a fair trial, the preference through the blessings of God in Wheat should be watered from one must be given to the best and most tempering the elements, it has to four times, according to the reliable mill. quietly wrought a mighty change season and the quality of land for upon the aikaline deserts of this holding moisture; but in all cases Territory. where it can be allowed to cover in past years have been profitable

### HARVEST TIME

although somewhat dreaded as be- Mill Creek and Cottonwood, if seed- are extensively raised throughout right. agriculture. There still remains, ing a time of hard and hurried ed down to grass would yield thou- the whole Territory, with the ex- It is very important to have a work where help is scarce. Sometimes for want of help, and sometimes for want of thought, wheat is allowed to stand uncut until "dead ripe," which causes it to have a flinty appearance, and deteriorates the quality of its flour. Wheat should always be cut while the kernel is soft or doughy.

That time and grain may not be wasted, preparations should be made some time previous. Such extras as may be needed for the reaper should be procured, as somedozen men to be thrown idle until result. one can be had. The reaper should be carefully examined and all the nuts tightened. Keep your machine well oiled and see that every part is perfectly true. And if you have not got experience to handle your machine yourself, you had better get some one who understands it until you learn.

In some parts of the western States where help is scarce, farmers sometimes haul their grain without binding it. This is a practice which cannot be recommended where help can be procured on reasonable terms.

Great care should be taken in the result is a little surprise. grain as can be got on our heavy binding of the grain, as loose bunclay uplands. Wheat sowed on dies cause great trouble, and waste will only be four or five days later stand in the field any longer than er parts of the whole Western con- are inferior. in this country; the Indian name, name. greatest care, and where the farmer propriate. We must improve in

### THRASHING

harvesting. If he has to purchase should never be done until the use.

one to tell how many varieties of It is aggravating, sometimes, to most to the exclusion of all other latter is far superior. wheat are raised here, or in what pro- see the amount of carelessness ex- cereal crops. In those sections of The Early Goodrich is another Use the cultivator twice or three portions they are mixed with each hibited in the thrashing of grain. the country the grain is the object, variety raised here for early use, times, as may be required; and hill other, as farmers have generally been Thrashing machines too often get which is sometimes sold at the as but like the Early Rose it is com- up with a common plow passing

very careless in selecting their seed. into the hands of men who know tonishingly low price of ten cents paratively worthless for culinary The three best varieties, taking but little about machinery, and per bushel, and is harvested by pull- use in the spring. In every respect milling into consideration, are the who care less for the quality of ing the ears from the stalks, the the Early Rose should have the White Taos, the Excelsior, and the work they do. And the main point stalks being allowed to remain preference over this variety. The be selected, no matter how clean it want to thrash out five hundred The farmers of Utah, in raising but when raised on very rich soil

ment I sowed one bushel of clean own thrashing machines to remem- used in feeding the domestic aniseed wheat, in which there was not ber that there is considerable com- mals on the farm. Next, for the the variety I received is true to one kernel of smut. It was sowed petition, or likely to be, in this fodder, which, when properly name) in shape and general apin the spring, without any smut- branch of farm work; and if they cured, is very valuable as feed for pearance resembles the Early ting preventive. The crop from it, wish to have sufficient employ- stock. The third object is to form Goodrich, but the meat is whiter though a very heavy yield, was ment, they should be particular in a rotation or rather a change of and in every respect it is a better about one-sixth smut. This, how- making the grain marketable. It crop. ever, is not the case in every in- would also be well for the farmers To make a correct estimate of the stance, as other experiments have to remember, that it is to their own average yield per acre, would be a Blue and a few other sorts that used interest, to employ and support very difficult matter, as in some of to be raised here, have given way The most simple, expeditiou sand men who will clean their grain the low lands it is often destroyed or to better varieties.

and his wheat is injured for seed or market.

#### MILLING.

It will always pay the farmer to good bread at each meal will re-Wheat should never be watered | mind him that he went to the

#### OATS AND BARLEY

Gentlemen of experience in these the ground before the first water- crops to many of the farmers of Utah, and have, perhaps, brought have often expressed themselves as Avoid all quarrels about water; more "cash down" than any other being "agreeably surprised" with and if you are deprived of your cereal crop. They are the surest the success of our farmers and the rights, take the quiet way to re- crops of small grain that can be condition of our country; and more cover them. It is better to lose a used in the reclaiming of alkaline especially so when they have be- little water than to get into worse lands, although grass in many instances would be a more profitable

land with proper treatment would ject.

will; but too much would produce the whole surface, and the meat is straight furrow. a bad result.

so highly recommended, have been tween these, but they cannot be introduced here, but neither of considered as distinct varieties. Surprise oats, although they yield in a cool cellar, and having the

## INDIAN CORN

average yield. It is true that some-

# THE PRESERVATION OF CORN-FOD-

requires a great deal of care and prompt action. When killed by frost in the field, or allowed to heat and mould in the stack yard, it is comparatively worthless as feed for stock; it may do to "fill up," but its nutriment is gone. Where fodder is the principal object, it should be cut and put up in large shocks before it is thoroughly ripe; and the shocks bound around the top to keep the stocks erect and shed the rain. In three or four weeks it should be husked out, and the fodder tied in bundles, and the bundles should be stacked; by forming a large shock, and building on top of this, keeping the bundles perfectly erect, with the buts down and the tops well pressed together; keep building one tier around the bottom, and others above until the stack is as large as desired. It must be remembered that the wider the stack is the higher it must be, forming a perfect cone. In this way it occupies less space, and, not being so much exposed, it is better preserved. When preserved in this manner and judiciously fed, with very little grain, it will keep ani

mals in good condition all winter. The corn, when husked, will be found perfectly ripe (if not cut too where it will be safe from storms and vermin.

### POTATOES

more or less streaked with blue. The Norway and Surprise oats, There are other grades, ranging be-

alone, is enormous; and thousands is rounder than the other, and after planting. of bushels are canned up, and pre- the meat has a yellowish appearserved in other ways, for winter ance and rank taste; while the other, under the skin, is perfectly

tubers are inclined to be elliptical. corn, have three objects in view. they grow larger, and often burst

The English Fluke Kidney (if potato, although it ripens later.

The Harrison, Pinkeye, Smooth

#### WHEN AND HOW TO PLANT POTA-TOES.

"In what sign of the moon shall of great importance with some; to My first recollection of this moonshine nonsense, was while on a visit in the country, somelsix miles from Cincinnati, Ohio. A pamphlet was then in circulation among the farmers, stating, very minutely, the proper sign of the moon in which to plant each variety of crop, etc. The introduction of this most ridiculous theory into America has been traced to the early Dutch settlers of Pennsylvania, whence it spread, more or less, through the whole country, taking effect, comparatively speaking, only on a few.

Astronomers tell us that the moon is some 240,000 miles from our sphere, varying more and less, and that its attraction is nearly the same through its changes. It is admitted that the moon has some mechanical effects upon our globe, but it has little, if any, effect upon vegetable matter.

There have been sufficient reliable and intelligent experiments with the different vegetable families, in connection with the signs of the moon, to prove this absurd tradition to be without merit. My own experiments, for the last thirteen years, serve to settle this question beyond all doubt with me.

Plant your potatoes on a rich saline soil, which has been properly prepared, and which has a good natural or artificial drainage, from the 10th to the middle of April; cultivate, irrigate, and attend properly; ask, in faith, the blessing of God green), and should be stored away upon your labors (as every good farmer should do with all his crops) and if you fail to raise a first class crop, there is something wrong which the moon cannot make

sands of tons of hay, that do not ception of a few settlements in the good drainage, as surface water, or yield enough, under the present extreme south. There is no coun- even an excess of moisture to the mode of cultivation, to pay for the try, perhaps, where potatoes are a roots, does great damage to the plowing. It is of a poor quality, surer crop, a mild form of blight crop. The land, if not naturally and to produce the best results, it being the only disease to which, in rich, should be manured with at would require a top-dres ing. Such past years, they have been sub- least fifty tons of well rotted manure per acre, spread on the surface rise from a state of comparative A number of varieties have been and plowed in. Harrow thoroughly worthlessness to be valuable prop- introduced here from different and roll. Begin to plant by placing erty. It should be remembered, parts of the States, but it would in the ground, on the entire left of however, that under-drainage and be a hard matter to select for gene- the patch, a straight stick about the surface irrigation are highly essen- ral use a better potato than the middle and another about ten feet tial. After being used as grass Mashanic [Neshannoc?]. Of these beyond the far end in a straight land for a few years, it could be there are two distinct varieties, al- line with each other. With a metimes the lack of a small bolt or broken up, and excellent crops of though they resemble each other dium sized plow strike a furrow in even a nut for one, will cause half a either grain or roots would be the very much in shape, which in per- a direct line with the sticks, by fection should be long and smooth, driving your team so that the beam Oats should be sowed at the rate with slight indentation about the of the plow will be straight with the of from three to four bushels per eyes. The first and most preferable sticks. When you reach the midacre, and barley about two and a has a roughish skin, slightly purple dle stick, remove it, and observe half bushels per acre. Either, but on the seed end, but the meat is some object in a direct line with, especially oats, will stand more perfectly white. The other variety and some distance beyond the other water, without injury, than wheat has a reddish appearance throughout stick. This will give you a very

In this furrow put medium sized sets, cut from large, good shaped potatoes, with from one to three eyes in each set, in the middle of them sustains its reputation. The | Either of these, by being stored | the furrow, about one foot apart; cover with the plow by driving the well, are too liable to shell out; and sprouts removed occasionally in hot | nigh horse back through the same sometimes, when they are allowed weather, will keep until August. furrow. Measure three feet from to get too lipe before being cut, the They are superior for winter, spring where the sets were dropped, placand early summer use, possessing the sticks as before, and continue the very highest keeping qualities. until the whole patch is planted. The White Mashanic (imported) The sticks are not necessary where land prepared in this manuer as in hauling, stacking and thrashing; is a native plant of America and is is a very saleable potato in the fall the team and driver are thoroughly early as the ground can be worked, and it should not be allowed to extensively grown in all the warm. of the year, but its keeping qualities trained. Harrow the patch level with a light harrow, and then roll than when sowed in the usual to get thoroughly dried and the tinent. The Early Rose is a productive it. This will leave a smooth, clean manner in the fall of the year, and ends of the bundles in a good shape ica describe it as being one of the potatoe, and for summer (after it is surface, and the potatoes will come for stacking. It is very seldom that principal Indian productions, from half grown) and fall use is very up in neat, straight rows, that will we see a good shaped grain-stack which, no doubt, it received its good. The skin of this has a be a pleasure to look upon. If the pinkish appearance. There are land has been cultivated for a numshould be performed with the "heap-of-grain," would be more ap- The amount used annually in a two varieties, both claiming to ber of years, sow from ten to twelve green state, in the United States be the genuine Early Rose. One bushels of salt per acre, two weeks

### CULTIVATING, IRRIGATING, ETC.

When the potatoes begin to break he should be careful to do so from a grain has gone through the sweat, In- white, and when properly cooked ground, run a light harrow over which in ordinary stacks is from dian corn is the principal food for is mealy and pleasant. The form- them, which will destroy a great man and beast; and is raised al- er should be rejected as seed, as the many young weeds, and be beneficial in other respects to the crop.