THE DESERET NEWS



AUTUMN SONG. BY AUGUSTUS B. KNOWLTON. The zephyrs are hurrying through the woods, A singing a silver song; They're pulling the beard of the golden grain, And laugh as they hurry along.

They're plucking the roses from many a tree, But, oh! not a whit care they, For the flowers that smile with a summer's sun, And live but a summer day.

They've ruffled the robin's scarlet breast, And broken a white dove's feather; They've wispered a word to the mourning bird; And now dance over the heather.

Oh, ho! ho! ho! for the autumn wind, Laughing so clearly, cheerily; It kisses the white sail over the sea, And bloweth the white foam merrily.

Hurrah, hurrah! for the autumn wind, That scatters the fruit in showers-The roses are dead and the lily has fled, But the fruit is better than flowers

> -----[For the Deseret News.]

A French Agricultural Institute. depth of the improved soil to the ground. When a great portion of subsoil is brought up to the surface, it often occurs that seeds do not ger- The Agricultural Institute of Beauvais was minate freely, and the roots of the young founded in 1858 by the aid of the Government, plants do not penetrate freely into the ground, and under the patronage of the Prefect, the owing to the soil being in a crude state; hence | Bishop, the Deputies of the Department, and it should be the object of the cultivator to take the Presidents of its Agricultural Societies .-every advantage to plant such ground when it Its objects are, first, to give theoretical and is in good condition, and at a time when the practical instruction to boys of 15 or less, who seed will be most likely to germinate well. If wish to devote themselves to agriculture; and, there swell above ground and turn green in the a little rotten manure be thrown on the surface secondly, to prepare young men, from 18 to 20 and worked in before planting, it will be all years of age, for agricultural professorships the better. For the neglect of the above pre- in lyceums, colleges, seminaries, primary norcautions, a meagre crop has often been the mal schools, and wherever it may be possible result of working ground deep the first season; to establish a course of agriculture. The thebut this has but little to do with the principle oretical portion of the course comprises agriof good management in working land deep to culture, aboriculture and sylviculture, rural E. SAYERS. | engineering, linear design and rural architecinsure good crops. ture, rural law, zootechny and the manage-

The Catawissa Raspberry.

ics and chemistry applied to agriculture, nat-There can be no longer any question as to ural history, botany and geology, and agriculthe merit of this raspberry. We have now tural economy generally. The practical intested it for three years, and pronounce it to struction comprises the care and use of tools, drawn by the subtile chemistry of vegetation be a real desideratum. It bears two crops of instruments and agricultural machines, the fruit in a season; but as many persons have principal operations of culture, gardening, the other kinds which are better bearers at the conduct of trees, etc. The school has answertime of ripening of the first crop, they combine ed to a need universally felt; the excellence of the energies of the cane upon the second crop the instruction and of the education received which ripens late in the autumn; indeed con- in the new institute has been tested by the ing to turn about, we see on the ground the tinues to ripen from September to the first of most competent judges, and now there are ar-November, should the weather not become too riving at Beauvais, from nearly all the provsevere. At this writing, (November 1st,) we inces of France, hard-working young men, anhave upon the bushes large and perfect fruit, imated by the most earnest spirit. highly flavored as they would be in July. The exhibition of the school was unani-

ment of cattle, agricultural entomology, phys-

Yesterday, (October 31st,) from the canes of mously pronounced to be one of the most infive stools, a litte basket of fine fruit was structive and brilliant of the Concours. taken; and the same quantity twice a week comprised, first, specimens of various crops for some weeks. raised on the farm de la Foneerie, in the De-We know of several pretty extensive grow- partment of the Mense, under the direction of ers of the Catawissa, who cut down all the M. Gossin; secondly, a collection of experi-Mr. Hemengway digging a piece of ground canes, after ceasing to bear in the fall, close mental results made by M. Marie, from 1855 from 14 to 16 inches deep, in a low rich bottom to the ground-this will give strength to the to 1860, and thirdly, an entomological collecnew canes the ensuing season which supplies tion applied to agriculture, by M. Mihau. the late crop. The early crop is taken from M. Marie's experiments were exceedingly the wood allowed to remain over winter. interesting. In wheat, he commenced with Those who prefer the two crops, must about 225 varieties, which he reduced to 40, and then discerns in his laboratory have produced the which doubtless had been accumulating many the middle of this month, prune the vines to 32 and to 23, and which he will probably flavor which tickles the palates of human ready for staking in the spring, bend them reduce hereafter to the 10 following: Blue, carefully down to the ground and cover them White Essex or Scotch, Zealand, New Holland, of a different combination of the same elements. with from three to six inches of earth, shaped St. Laud, Mesnil, St. Firmin, Hague, Hensenposed to the atmosphere, sun, and those to a point on the top. When this year's wood gland, Hickling, and Ely Giant. Of the 26 is removed, cover the stools with an inch or varieties exhibited, he had specimens in the two of soil, banked up in the same way. We milk, in grain, hulled, and in flour, and also have found this better than any other protec- separated and classed according to the yield in things, and faith may derive assurance of imtion against frost. grain, starch and gluten. The way to propagate this raspberry, is to Of Indian corn he exhibited 26 varieties, meanings in the operations of nature, have so far as it had been cultivated by the plow, take up the roots, say the latter end of Janu- twelve only of which are worth cultivating in ary or beginning of February-cut them up the latitude of Paris. These are, in the order into inch pieces, as the eyes may indicate- of their yield, White Corn of Saluces, Giant plant them in a box of sand about one inch Caragua, Red, Early of Saluces, Early Tusunder the surface-place under glass in a hot- carora, Hybrid zed Quarantine, Dog-toothed, to enrich his vineyard. There are good argubed, and keep moderately moist. One old Yellow-tipped, Dwarf Saluces, Red-tipped, stool will produce from twelve to twenty new Horse-toothed, and Quarantine, a list wherein canes. our English names are slightly travestied .--The mean yield per acre was one hundred and Parsnips-Their Management. six bushels. The New Holland corn grew to the height of from ten to fifteen feet in partic-Parsnips are materially improved by freular land. By soaking the seed-corn for twenwill not only serve to make the pan or subsoil quent freezing and thawing, and therefore, ty-four hours in a solution of iodone in alcomore hard, and in a worse condition for the no more of the crop should be taken up in the ho', or in a cohol alone, its germination is roots of plants to penetrate through, but it fall, than is required for fall and winter sales hastened, so that, instead of requiring ten or will in time also become sour and have the or use; for those left in the ground during fifteen days to come up, as dry seed does, it effect to injure the crop, and hence the very winter are materially improved in quality for will come up in three or four days. Of potatoes there were 64 varieties. Only posed in the above way, give life to and as they continue to grow until arrested by the late varieties now offer any chance of suc- shocking by refined Americans. So our grape cess since the very general potato rot. Of The digging of parsnips can be best per- 21 varieties of beets, the mean yield was formed by the lifting subsoil plow, run so twenty-three tons per acre, while that of the

Fine Flavor of Grapes From Digger's Bones.

One of the most fertile spots of soil in the foothills of Yuba county is Money's garden, at Empire Ranch. The soil is black and loose, and watered by perennial springs. There grow the largest and best flavored Black Hamburg grapes which we have seen in the State; there ripen the most lucious figs; sun the most mealy tubers. But the blackest and richest portion of this garden is a slight knoll near the bath-house. A grape vine which springs from it and embowers the house named, bears fruit of a peculiar and decidedly superior flavor. After eating to repletion from other vines, the grapes that grow on this, though of the same variety, tempt one to gluttony by their additional sweetness and delicacy. Trying to account for this, we discover that the soil whence this fine fruit grew is formed chiefly of decomposed granite, and we fancy that the potash thus set free has been into the translucent oval lumps of lusciousness which just betrayed us into intemperance, and made them superior to their congeners in the alluvial bottom.

But this is not the whole secret. Happenblackened and crumbling remnant of a human bone, which a slight pressure of the foot flattens into powder. This circumstance elicits from a companion the strange information that on this knoll the Indians once burned their dead. That instantly accounts for the oily, lampblackness of the soil, and for the superior flavor of the grapes. The simple Diggers have unwittingly enriched the earth and made a delicious fruit more delicious, by their ancient rite of cremation. The ammonia, and potassium, and phosphates in the dead bones of their kindred, freed by fire and dissolved by rain, have gone into the sap of the grape vine and into the jucy pulp of its fruit, and by nicer combination than the chemist creatures, whose living organism is made up Thus work eternally, through all forms of life, the mysterious laws of production, decay and reproduction. Thus human reason is taught the mutability yet the indistructibility of mortality; while those who seek less lofty confirmed to them the fact that bones, burnt or unburnt, are the best fertilizers for grapes. While saying this, we advise nobody to violate public prejudice by burning his friends ments in favor of cremation as against interment, and it might seem capital to use for fertilizing purposes the ashes of some fellow who was of no value when alive and treading laizily over the dust of his dead betters. The ammoniates and phosphates from his body and bones would probably make just as good grapes as the same elements from the resolved organizm of a saint or hero. But society has its prejudices, and what was classic and beautiful with the intellectual Greeks, and is still practised by the poor Diggers as a loving and growers will have to resort to the bones of less noble and squeamish animals than man. If they want to improve the quality of their fruit they must gather the broken-up fragments of the genus bovine, ovine and porcine, and plant them, whether burnt or unburnt, about the roots of their vines. This is a timely hint, for the season is near at hand when those who contemplate planting grape vines at all will be at it; and may their name be legion. Thus endeth our prosy preachment .-- [Marysville Appeal. mannonnon English Horses .- A writer in the London Review complains that the noble breed of useful English horses is becoming ruined. He says: "Our country once famed for the best breed of saddle horses in the world, is becoming overrun with a lot of worthless, weedy, refuse racing stock, which by many inexperienced farmers and breeders, are gradually being crossed with, and thus deteriorating the breed of our short-legged, deep-bodied, widehipped, strong-loined saddle-horses, the lineage of which, in a few instances, we still trace, by their compact forms, to the breed of race horses encouraged by our forefathers, who bred horses for useful purposes, to carry men long distances, and not the spindle-shanked velocipedes bred by our turfmen of the present day, that break down after running a few furlongs with a baby on their backs." How to Keep Eggs .- A correspondent a Goodwinsville, N. J., has had good success in keeping eggs in the following manner: With an inch and a half auger holes were bored in shelves, which were put up in a coal cellar protected from frost. The eggs, as fast as collected, were set in these holes, with the

The Effects of Winter Digging and Plowing Ground.

In taking a stroll around the city, I found soil, composed principally of decayed vegetable mould, sand and thin clay, and most probably, a portion of shell and the remains of animal substance in a decayed state. These substances inches thick, and rich, with components adapted to the growth of vegetables, when exelements, which prepare all ingredients of food contained in the soil in a proper state as food for plants.

The upper surface of the ground, was in a fine mellow state of a rich black alluvial, and in excellent condition for a crop; but the underground or pan was in a close, adhesive state, owing to the annual tread of cattle, and the heel of the plow in working the soil which had a tendency to make the subsoil more hard and compact than otherwise There are thousands of acres of land of the same quality in these valleys, full of the very best ingrediants for crops in this state, that will probably in time, be considered as "run out," as every successive year's plowing at a certain depth, invigorate the crops, will prove deleterious to "very winter." them by the roots penetrating into uncongenial soil.

ingredients in the ground, which would, if ex- spring use, besides increasing their quantity,

All the voluminous writings yearly issued from deeply as not to cut off the tap-roots, but best variety rose to forty tons. The most prothe press on the best principles of cultivat- merely to raise the whole mass of soil, and ductive variety of carrots, of which twelve vaing land, may be summed up in a little space, thus loosen them so that they may be pulled rieties were exhibited, yielded sixteen tons to viz., the more land is moved and exposed to out by their crowns. In addition to faciltat- the acre. Of 23 varieties of turnips cultivathe atmosphere the better its condition for the ing the gathering of the parsnips, this practice ted, the best gave twenty-two tons per acre. disintegrates the soil, so as to render its spring 1st. The roots of plants can penetrate deep- preparation for other crops much more readily were also a large number of varieties. The Parsnips, after having been frozen, form an Beauvais, where it ripens at the end of Sepexcellent food for hogs; and in moderate quan- tember or in the first week in October. It in contact better with the lower fibrous roots tities, alternating with carrots or beets for grows ten feet high, and the yield varies from of plants. Ground worked deep also retains cows, fatting cattle, etc. In the island of twenty-five to thirty tons per acre. Cut green Guernsey, milch cows are nearly sustained about the last of July, it gives from ten to during the winter on the parsnip. Upon this twelve tons of the best fodder. The exhaus-3d. Sun, air, and rain can penetrate better island they grow in great perfection, and give tion from a good crop is equal to that from an immense yield. We have raised what a Committee of the American Institute estimated at fifteen hund- contains a considerable number of analyses of phere-loose, deep ground takes in a greater red bushels of parsnips on a single acre. There- soils and of products, and still more is promportion of such elements than that which is fore as an alternating crop, parsnips may be ised in a new edition. grown with profit. Their culture cleanses the ground of weeds, and leaves it in high is newer, more original, and not less interestlays insects in their dormant state bare and tilth for other crops, while the parsnip does ing. In a number of small pictures he has arconsequently their eggs, crysalis, etc., must not remove an undue quantity of pabulum from ranged the insects injurious to agriculture bethe soil .- [Working Farmer. A Hint to Grane Growers .- An important discovery has been made in the treatment of grape vines, in France, which we do not remember to have ever seen noticed in this country. It was attended with the greatest possble and well mixed, in order to bring it in contact success, and is of the following character: It consists in taking a narrow ring of bark from the inner end of each branch. The rings should be taken from all round the branch, and should be as deep as the liber or inner newlyformed bark of the plant, without injuring the the formation of the leaf-mere green, useles

growth of vegetables.

er to extract the nutriment from the ground, performed. and are more secure from drought.

2d. Water can penetrate deeper and comes moisture and the roots receive a gradual benefit in dry seasons.

and deeper into the earth.

4th. As it is held as a law, that vegetable roots inhale much nutriment from the atmoshard and adhesive.

5th. The working ground deeper in winter eventually perish.

As a great portion of ground in these valleys is composed of various formations, of sand, clay, gravel, and decomposed vegetables, with different portions of native salts in beds in a crude state, it is of the greatest importance to the cultivator, that the soil be worked deep, with the atmosphere, and to prepare the ingredients as food for vegetables, and while such ground is only surface worked little good may be expected for any length of time by the cultivator.

spread throughout the country with amazing little end downward. Some were used in three One thing should be borne in mind by those latter. The effect of this process is to check rapidity. months, some in six months, and the balance who plow or dig land in the winter, and that The berry is grown in many districts for wine in a little over a year from the time of storing, is, never do the work when the ground is too stuff-and accelerate the growth and ripening making, and is found, by actual experiment, to and all were reported as perfectly good. The wet, after rain or snow, so as to leave it in a of the grapes by at least a fortnith. Specibe more profitable for that purpose than when cellar in which eggs were kept so well, must, close adhesive state after the spade, which mens shown at the exhibition in Paris, in 1859, sold at twenty-five cents per quart. Eight we think, have been very dry and cool. It will require at least one season, to bring it demonstrate the fact that in the grapes, taken gallons of ripe fruit yields five gallons of juice, would be well for those making this experiinto a mellow, lively condition. Another from the same vine, those gathered from the to this is added ten gallons of water, and the consideration should also be borne in mind, branches that had been ringed were considerment to try a small quantity at first; they required number of pounds of sugar. Many not to bring up too great a portion of the sub- ably larger and finer than those taken from might not keep as well under all circumstanwine drinkers consider it a superior article .-ces, as in the case above. soil at one time, if a crop is expected the next the branches that had not undergone that oper-When the Lawton is fully ripe, it is a delicious ation. In every instance that it has been season, To Clean Pork Barrels.-It is recommended fruit. The best method of working land in this tried, the same results have been obtained. to clean tainted beef or pork barrels by filling MAMMAMAMAN A very little practice will insure speed and Prolific .- The Hydraulic Press brags of a country is to bring up a little of the subsoil them with fresh earth, bury them in the ground, dexterity in ringing the branches, and a large lot of fine potatoes, part of a second crop grown and let them remain some time. The earth every year, which gradually becomes neutralized as it is brought in contact with the atmos- plantation could easily be improved by followin the garden of B. P. Avery, at North San | will absorb the taint. In extreme cases rephere, and hence, every season adds a greater ing the above directions. Juan, this season. peat the operation once or twice.

Of barley, oats, beans and sorghos, there sugar-sorgho is completely acclimated at three crops of wheat.

The memoir accompanying this exhibition

The entomological collection of M. Mihau side the ruins which they cause. Accompa-

nying it is a large collection of the eggs of birds which destroy these insects, and which it is the interest of farmers to protect.

- mannen .

Blackberries .- Of this fruit, Mr. Knox has ten acres in good condition. The varieties are the Lawton and the Dorchester. The Lawton he thinks the most profitable for all purposes, and intends increasing this department next year. The cultivation of the Lawton, although of recent introduction, has