THE DESERET NEWS.

AGRICULT

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FARMING AND GARDENING.

The long stormy winter season has at length the weather has been most delightful. The ground, excepting in low locations, is becoming dry very fast. In the upper part of the city, gardening operations have been commenced and no time should be lost in putting in such seeds as require to be sown early in order to secure maturity and for the produc- marks: tion of such vegetables as may be desired in advance of the usual time and as soon in the season as they can be made to grow.

Farming operations will, of course, now that spring has come, be prosecuted with vigor; and wheat and other cereals will be sown as soon as the ground, which was never year, than now, shall become sufficiently dry to admit of being worked. There was not much wheat sown last fall; and, in consequence of the stormy weather and prolongation of winter, there has not been much-plowing done for spring crops; consequently, farmers will have to be the more diligent in preparing their fields for seeding and putting in each kind in the season thereof, or at the proper time in order to secure the best yield, according to the experience they have severally had in grain-growing and other agricultural operations in these elevated mountain valleys. were made last season in preparing seed, so as to grow wheat and not smut, were so very satisfactory that it is presumed will be so blind to their interest as to sow their fields with wheat without preparing it in some of the several ways that have been satisfactorily ascertained to be a sure and effectual preventive of smut in that staple product of the country.

not be extensively manufactured in this country. The climate is well adapted to the growth of beets, and the present and presumptive high price of sugar would insure large profits. The cane contains twice as much sugar as the beet, but not more than seven per cent. is usually obtained from it in practice. This is root.

Sixteen tons of beet roots can easily be raised per acre. This would yield, at seven says: per cent., 2,240 lbs. of sugar, besides molasses. can be used as food food for cattle; and it must be borne in mind that, as nothing is rethe crop are left on the farm. The cultivation

source of profit, contributes to increase the ten years. other products of the soil. The extraction of only a part of its elements. Its pulp and ten millions. This State loses the cultivation papier-mache manufacturers should go to Yedo foliage supply the animal with an abundance of 300,000 acres of her best soil by crooked to learn what can be done with paper. We of food; and the returns of the sugar works fences. Upon all our low lands bordering on have seen it made into material closely resemenable them to add commercial manures, which our streams of water, the fences are liable to bling Russian and Morocco leather: it was indefinitely increase the fertility of the soil. be swept away in a single night by every flood very difficult to detect the difference. With bushels;) number of oxen, 700. Produce of heaving soils. wheat since the manufacture of sugar, 421,000 cattle, 11,500." twenty per cent. of the entire root. When however, for milch cows. dinary variety. In obtaining this result, how-M. Knauer, of Germany, has produced a variety, which he names the Imperial beet-root, which contains 171 per cent. of sugar! This for our farmers to give these fences a trial? improvement places the beet on a par with the cane as a sugar plant, while the cultivator of the beet has several important advantages over the West India and Louisiana planters. The cultivation of the sugar cane occupies

Fences and Fencing.

A correspondent of the Cultivator and Country Gentleman on the subject of fences, after referring to an article in the New Eng-C. R. Smith, of Haverhill, New Hampshire,

given way to spring, and since Thursday last There is, too, another important item of profit great importance, but of almost incalculable green, the silica and other unfibrous substances -the leaves of the beet and the pulp. Both expense; and the improvements of a century in it are more easily separated. He takes any have hardly effected any changes, for the green plants, such as sea grass, which are better, in our fences. All over the country abundant and cheap, and first mashes, then moved but sugar, all the manurial elements of (with the exception of wire fences, which steeps them in warm water, and after this he have been tried and found not to answer any boils them in a weak alkaline solution. They of the beet root, therefore, is one of the very useful purpose,) we see the same kinds in use are now easily reduced to pulp by passing best methods of increasing the fertility which were in use a century ago. Rail fences, them between crushing rollers, or through the of the farm. On this point, Lavergne re- post and board fences, with the posts in the common beaten-engines used in paper-mills. ground, or tipping about from the effects of The pulp is bleached in the usual manner with "It was feared, in the first instance, that frost, Virginia or zigzag fences requiring an chlorine. The leaves of Indian corn are now the cultivation of the sugar beet would lessen outlay for lumber, and a breadth of land that used for making paper in Europe. There is the production of cattle and wheat by occupy- no farmer can afford, are as common now as one paper mill in operation in Switzerland. ing the best land. But this fear was ill-foun- they ever were. Probably not less than and; another in Australia, in which paper is ded, at least relative to the best cultivated seven-eighths of our fences are made of made from such leaves exclusively. The regions. It is now demonstrated that the wooden materials, and the average durability husks, which envelope the ears of corn, make manufacture of sugar, by creating a new of board and rail fences is said not to exceed the best quality. It is wonderful to see the

The editor of the Farmer says in his opin- kintosh (india-rubber). The Japanese use

Corn Leaf and Grass Paper.

Paper has been and is now manufactured somewhat extensive'y from dry grass and straw, but P. W. Runel, of Plumstead, Penneylvania, states that he has made the discoland Farmer, from the pen of the editor, very that paper pulp can be made at less cost no more than can be obtained from the beet- recommending a new farm fence invented by by using green instead of dry grasses for its production. He has taken out a patent for the improvement, and he states that when grass becomes dry its silica becomes hard and This matter of fencing is not only one of difficult of solution, whereas, when it is taken thousand useful as well as ornamental pur-The fences of Pennsylvania cost one hun- poses for which paper is applied in the hands more wet in this valley, at this season of the the saccharine matter deprives the root of dred million dollars, and their annual cost is of these industrious and tasteful people. Our

CULTIVATION OF THE BEET FOR SUGAR.

in analyzing the Silesian beet root, discovered be manufactured in a few days, or great loss that it contained sugar. The discovery, how- ensues. On the other hand, the beet requires ever, led to no practical result till near the only about four months to arrive at maturity, close of the century. France was then depri- and then it can be stored and manipulated at table," and a light, elegant, tho ough-bred ved of her sugar colonies. Domingo, which leisure .- [Gennesse Farmer. had supplied her with 150,000,000 lbs. per annum, became free and no longer produced sugar for export. The price of sugar in France rose to five francs per kilogramme (fifty cents per ib.) The French government offered rewards for the best method of producing sugar from indigenious plants. The EDITOR DESERET NEWS: discovery of Margraaf was soon turned to In my experience with the Chinese sugar a compound has been hotly disputed for nearly beneficial account. The beets at first afforded cane, I have taken a few items which I be- a century, and still remains unsettled; but, three per cept. of sugar. By improved meth- lieve will be a benefit to those who intend to next to race-horses, of all breeding stock it greatly retarded, notwithstanding the high neither in irrigating, for neither field was they can now and then get £100 for a bull pressing that son to your heart, in feeling how 1828 the quantity produced was only 4,800 small patch have plenty of sun and air. Nar- But for short-horn bulls of the finest symetry is I who am his father. You will at least tons. only recovered itself, but has become firmly | My mode of planting would be as follows: years ago £1,250 was paid for Master Butterestablished among the industrial pursuits of Above all things procure pure seed, and, as fly to export to Australia.-[Dickens' All-thethe country. M. de Lavergne, in his recent soon as possible in the spring, plant a strip, Year-Round. able work on French Agriculture, states that say two rods wide, with cane; then plant a there are now 350 sugar works in France, 150 strip of the same width with roots, or some Horses.-Horses I learned to govern by the of which are in the Department of the Nord low growing crop, and so on alternately. This law of love. The relation of friendship once 350 acres) are under beet-root; producing an 3ft. by 3ft. apart, and five or six canes in a no trouble. A Centaur is created. The man average of 16 tons per acre, and yielding hill. A person owning a small farm can thus wills whither; the horse, at the will of his about 576,016 tons of sugar. and such had been the great improvement that spring as long as possible without watering, but by kindness. All lower beings-fiendish had been introduced, that the the manufactu- and rather use the hoe enough than water too beings apart-unless spoilt by treachery, seek rers were enabled to stand the competition of much.

manananananan The Cane Grower's Experience.

G. S. L. CITY, Feb. 17, 1861.

min What is a Short-Horn ?

A short-horn is one of the largest specie of the ox t ibe, not in height and bone, but in In 1747, a Prussian chemist, M. Margraaf, from twelve to fifteen months, and it must all solid meat and fat, in breadth and depth of the joints that roast or boil. The short-horn is remarkable, to the most careless observer, for vast breadth of back, "like a dininglooking head, soft velvety hair, and mellow flesh, huge carcass and short clean legs. The short-horn may be red or white, or both, the most favorite color being a rich roan; any spot of black is an unpardonable blemish, a prizes, however otherwise excellent. The question whether the short-horn is a breed or Since that time, the manufacture has not best, so far as my experience has extended. [and again given at public auction. Not many your child."

In 1855, the city of Valenciennes, the seat of that passes over them. The winds block up the aid of lacker, varnish, and skillful paintthe manufacture, was able to inscribe on a tri- our roads in winter with snowdrifts, and the ing, paper makes excellent trunks, saddles. umphalarch these significant words: 'Produce of fences hold them there. Wall fences cover telescope cases, the frames of microscopes; wheat in the arondissement before the manu- from 40 to sixty feet of land to the rod, and and we even saw and used excellent waterfacture of sugar, 353,000 hectolitres (961,173 neither they nor post fences will stand on proof coats made of paper, which did keep out the rain, and were as supple as the mac-

hectolitres (1,158,256 bushels;) number of ion, Smith's fence, if kept whitewashed, will neither silk nor cotton handkerchiefs, towels, last at least 50 years-which is a merit that or dusters; paper in their hands serves as an The pulp or solid residue amounts to about no other fence made of wood can claim. excellent substitute. It is soit, thin, and of a Without doubt it combines nearly all the pale yellow color, plentiful and cheap. The divested of the juice, it still contains two or requisites of a straight, firm and durable inner walls of many a Japane e apartment are three per cent. of saccharine matter, and is fence, covering but little land, and particularly formed of paper, being nothing more than The results of the many experiments that greedily eaten by cattle and pigs, which fat- adapted to heaving soils, upon which they painted screens. Their windows are covered en rapidly upon it. It is said not to be good, will stand as well as the zig-zag. One kind with a fine translucent description of the same is built in sections of about one rod each, and material. We saw what seemed to be balls of Ordinary beets and mangel-wurzel contain so arranged that a man can let it down to the twine which were nothing but long shreds of sugar, but the Silesian beets alone are culti- ground while it is held fast to the stone foun- tough paper rolled up. If a shopkeeper had a that there are not many, if there be any, who vated for this purpose. By judicious selection dation; or it can be easily removed to a place parcel to tie up, he would take a strip of paand culture, varieties have been obtained of safety, if in danger of being trodden upon per, roll it up quickly between his hands, and which contain much more sugar than the or- by cattle. An hour's notice of a coming flood use it for twine. In short, without paper, all will enable a man to put half a mile of it out Japan wou'd come to a dead lock. Japanese ever, the size of the root has been reduced. of the reach of danger, or when used as a mothers-in-law invariably stipulate in the road fence, so that it will not cause the accu- marriage settlement that the bride is to have mulation of snowdrifts. Will it not be well a certain quantity of paper allowed her. The Japanese do not use rags for making paper, but the inner bark of trees.

> IMPERIAL PRESENT .- On her birthday, the Emperor Napoleon presented the Empress Eugenie two large and magnificent vases in massive gold, enriched with precious stones, being part of the spoils taken by the expeditionary forces in China, and purchased by the Emperor's orders, from the English. They are worth, for the weight of the gold only, more than 100,000 francs, but the richness of their ornamentation and their artistical value render them infinitely more valuable.

The father and mother of Nap leon III, King Louis of Holland and Queen Hortense, sign of mesalliance, fatal to the hopes of were a very Frenchy couple: they lived unhappily together, and yet-if we may believe a new "Memoir of Queen Hortense," just published in London-the following scenes of funny sentimentality passed between them: "Louis would sit for hours with his wife, enods of manufacture, the yield was increased cultivate it, especially in large quantities. I is that which most depends on pedigree; the deavoring to amuse her by a witty conversato four, five, six, and finally to seven per cent. saw a field of five acres last summer, belong- highest priced animals having almost invari- tion; and Hortense began to consider it her The cultivation of the beet for sugar soon ing to one of my neighbors, that produced only ably a genealogical tree, going back a few most sacred and sweetest duty to make her became quite ex ensive. The manufacturers one hundred and twenty gallons per acre. hundred years, and distinctly recorded in the husband forget, by kindly showing him all enjoyed a monopoly of the market, and cor- This cane grew on good soil and on the outer Burke of the race-Strafford's Herd Book; a possible attention, how miserable he was at respondingly high prices. Secure in this edges the cane was large and good, but in the book which runs from dams and sires back- her side. They both hoped that the child they monopoly, the manufacturers neglected the centre of the field the cane was light, wards, until it ends in the dark night that expected would indemnify them for an unhapbest methods of purifying the juice. The and altogether it was but a meagre crop. In preceded the founders of the race-those py union and the freedom they had lost. "If The sugar was of a very inferior quality. The a small field near by, the soil no better than plain, shrewd, and now famous graziers, the I should give you a son," Hortense said with peace of 1815 deprived them of the monopoly the other, a crop was produced which yielded brother Collings. The breeders of other a smile, "when he first addressed you by the and high prices they had so long enjoyed, and at the rate of three hundred gallons per acre. breed, the Herfords and Devons-than either sweet title of father, you would perhaps forthe cultivation of the beet for sugar was Why this difference? It was not in the soil, of which there is no better beef-are happy if give me for being his mother." "And in duties imposed on colonial sugars. In watered; but I believe it was in letting the and half the sum for a he fer in her prime .- dearly you love him, you might forget that it row patches of cane have always produced and purest pedigree, £1,000 has been again cease to hate me, for I shall be the father of AN UNEXPLAINED PHENOMENON. - The Presburgh Gazette says that near Saly, not far from Misholez. runs a stream called Pafock, which descends from the mountains, and which, at the distance of a league from its source, disappears in the ground. For some time past, its waters have assumed the color of blood coagulated. It is usually in the morning that it looks so, and the appearance continues for about an hour and a half. In the neighboring village of Ketsch, and in still a third locality, the phenomenon is repeated, thus discolorod. Up to the present time, all

manufacture have taken place. One result of in their attempts to please and obey the royal MAAAAAAAAAAAAA There has been a flood of rain at Mecca; the application of science and capital has personage on their back, that he meeds to be Coffee in Illinois .- It is said that G. R. Hoffthree hundred lives were lost, and one-third been to increase the size of the sugar houses, man, of Effingham Co., Illipois, raised last brave indeed, to go thoroughly with him .of the city destroyed; the great sacred mosque, while it has reduced the number. The small year two bushels of coffee. The seed was John Brent. Haram esh Sherif, was also flooded; the Holy manufactories, with their imperfect processes sent him from Australia. The first year the Black Stone was submerged, and the great cannot compete with the large establishments plants were unproductive; the second year -The steel vests, concerning which so library destroyed. where everything is done in a scientific and ihey bore a little, and produced a full crop much has been said, as affording so much It should not be forgotten, in view of this, the third year. He thinks thirty bushels can protec ion to the soldiers, have been tested that the massacre in Damascus was planned, We see no reason why beet sugar should be grown per acre. and proved failures. and decided upon in that so-called holy city.

the colonial growers. To store the syrup for a small family, make loves God. Horses will do all they know for By actual trial, it has been found that 120,- a vat of white pine plank, two inches thick, men, if men will only let them. All thy need scientific attempts to unravel the mystery 000 lbs. of beet root will yield 8,400 lbs. of three feet long, eighteen inches deep, and eigh- is a slight hint to help their silly brains, and have failed. sugar, or seven per cent., and 5,030 lbs. of teen inches wide. This will contain fifty they dash with ardor at their business of gal-TERRIBLE FLOOD AT MECCA.-The followmolasses. It is estimated that sugar can be gallon ; probable cost six or seven dollars, loping a mile a minute, or twenty miles an ing letter, dated Beirut, Jan. 15 h, 1862, has cheaper and better than pine barrels for strong hour; or of leaping a gully, or pulling tonnage. been received at the office of the American produced at four cents per lb. J. B. M. They put so much reckless, break-neck frenzy Board of Foreign Missions in Boston: As we have said, great improvements in the syrup.

(North,) to supply which 20,000 hectares (49,- will admit of the cane being planted in hills, established between man and horse, there is change his cane land every year. It should better half, does his best to go thither. I he-In 1852, the protective duties were removed, not be irrigated too much. Let it be in the came very early, Hippodamos, not by force, the society of the higher; as man, by nature, and the inhabitants no longer use the water

MUNICIPALITY MANA