

JAPANESE AGRICULTURE- INTERES-TING AND INSTRUCTIVE ITEMS.

American Agriculturist, the following very interesting outline view of the modes of soil enture and fertilizing in Japan. Although the Japanese, up to within the last few years, dry weather this is removed, to allow the achave been classed among the barbarians er "heathen" nat ons-and may still be held in such estimation by some benighted Chris- this time the vessel in the privy is again ready Mans, their works and arts, in many respects for emptying. A fresh quantity of water is -though for centuries past excluded from all added, the whole mass is again stirred and intercourse with the nations of Christendom -entitle them, in respect to the more weighty components of true national presperity and pan is full. After the last supply of excrepreatness, to rank far above the vaunted ments, and thorough mixing, the mass is left, achievements of those who have with loud swelling words, paraded their "birth and education in a Christian land" within the radius of the full-glery blaze of the nineteenth con-

the field being excavated, and the earth thrown | family manure. upon the other to make an elevated island | The Japanese farmer prepares also compost. ways grown in drills; sown in this way they herse dung, excrement gathered in the high their eating any animal food except fish; and | er fermentation process." they eat the moliusks or "hell-fish" in great | It will be seen, from the foregoing, that the thy. A bucket or earthen vessel is placed troduced this subject to show that for thou-

etc.) a distance of 2:0 to 300 miles from the which form valuable plant food. interior to the capital, are sent home again freighted with baskets or buckets of manure; in such cases, however, care is taken to sewhich the manure is treated, we cannot do better than to quote the language of this interesting report.

"The excrements are diluted with water, We have, from a synopsis prepared for the se other addition of any kind being made to them, and stirred until the entire mass is worked into a most intimately intermixed fine pap In rainy weather, the vessel is covered with a movable roef to shield it from the rain; in tion of the sun and wind. The solid ingredients of the pap gradually subside, and fermentation sets in; the water evaperates. By most intimately mixed together, in short, treated exactly like the first emptying. The same process is repeated, until the cask or according to the state of the weather, for two two or three weeks longer, or until it is required for use; but under no circumstance is the manure ever employed in the fresh state. The entire course of proceeding clearly shows that the Japanese are no partisans of the ni- | Substitence Stores, viz. trogen theory, and that they only care for the Dr. H. Maron, has made a report to the solid parts of the dung. They leave the am-Minister of Agriculture at Berlin, on Japan- monia exposed to decomposition by the action ese husbandry, which is full of interesting of the sun, and its volatilization by the wind, facts and eminently suggestive. The Japan- out take the greatest care to shield the solid perience of centuries has marked out, and by rain, &c. As the peasant, however, pays shough there is nothing about their system his rent to his landlord, not in cash, but in a advance of more civilized countries. The the supply of manure from his privy must ne- of October, November and December, 1863. area of the Japanese Empire is about the cessarily be insufficient to prevent the gradusame as that of Great Britain and Ireland, al exhaust on of the soil of his farm, notand contains a far larger population: yet withstanding the marvellous richness of the Great Britain is obliged not only to import latter, and in spite of the additional supply tood from other countries, but to also import of manuring matter derived from the water large quantities of fertilizers to aid in raising of the brook or canal from which he takes its crops. Japan, on the contrary, imports his material for irrigation. He places, there- the troops sta loned at Camp Dougla; to be delivered at neither grain nor manures, but exports con- fore, wherever his field is bordered by public siderable quantities of food. This is the pres | reads, footpaths, &c., casks or pots buried in ent condition of Japanese Agriculture, taken the ground nearly to the rim, urgently re- prox., and end on the 30 h day of June 1864. as a whol. Its details are not such as could questing the traveling public to make use of be carried out among our people, as they bend the same. To show how universally the ecothe whole energies of a large majority of the | nomical value of manure is felt and appreciapopulation to producing the greatest possible ated in all classes of society in Japan, from amount from a small area of soil. The whole the highest to the lewest, I need simply state plots of from two to five acres each, and their the country, even in the most remote valleys, agriculture would be considered by as a very and in the homesteads and cottages of the close system of gardening. The land is kept very poorest of the peasantry, I never could constantly up to its greatest productiveness, discover, even in the most secret and secluand this is done by a system of manuring and | ded corners, the least trace of human excrecultivation which may offer some suggestions ments. How very different with us, in Ger-Japanese follow deep tillage, the arable soil be seen lying about in every direction, even being several feet in thickness. What is a close to the privies! I need not mention that wheat patch at one month is converted in the manure thus left by benevolent travelers erament may have on hand for distribution. part into a rice swamp the next-one part of is treated exactly in the same way as the

fer the growth of sweet potatoes and other | As he keep no cattle to turn his straw, etc., | Onth of A leglance. brops, while the lower pertien is flooded with | into manure, he is forced to incorporate this | water for the rice crop In this way the part of his produce with the soil without 'anwhole soil is frequently turned over to the imalization.' The method pursued to effect be less than Fifty The and (50,000) los. Flour. Two road, now rearly completed, than by any other route. depth of 2 or 2; feet. Another peculiarity is this object consists simply in the concentra. Hundred and Firty (250) Bushels of Polatoes. Fifty (50) The prejudice for certain localities and the ambitton that the crops, of whatever character, are al- tion of the materials. Chaff, chonned straw, can receive the highest possible culture, and ways, tops and leaves of turnips, peelings of special manuring. Each crop is grown with yams and sweet potatoes, and all the offal of any or all bids. no reference to that which shall succeed it .- | the farm, are carefully mixed with a little The system of rotation and fallows is un- mold, shoveled up in small pyramidal heaps, | Puesday the 15th of September, 1863. known, but the land is looked upon as a bank | moistened and covered with a straw thatch. which will honor any drafts made upon it, if I often saw also in this compost, heaps of hand determines the breadth of land which which, in all parts close to the seashore, may for Beet," "Potatoes." "Salt," as the case may be. the Japanese farmer will sow. The peculiar- | be obtained in any quantities. The compost ity of Japanese husbandry is that no animals | heaps are occasionally moistened and turned | are kept. Human excrement forms the prin- with the shovel, and thus the process of decipal manure. The Japanese farmer does not | composition proceeds rapidly, under the powallow the crop to be eaten by cattle and then erful action of the sun. I have also of en return to the soil the manure from them, but seen the horter process of reduction by fire he eats the crop himself, with the help of his resorted to when there was plenty of straw, samily, and returns the manure directly to or where the manure was required for use tethe soil. The religion of the people prevents fore it could be got ready for use by the slow-

quantities, and the manure frem them is the Japanese farmer applies his manure only as only fertilizing mater al returned to the land a top-dressing and in the liquid form. -The that does not come off of it. On the farm, manure being fully fermented, is brought into option, in such quantities as required. The delivery to human excrement is returned to the land from immediate contact with the seed, net only commence October 1st, 1863, and all to be delivered by which the food came, and the citi s regularly without injury, but with decided benefit to its April 1st, 1864. return to the country loads of human manure early growth. Another feature which char- Thirty Thousand (30,000) BUSHELS OATS in exchange for the food which they receive. | acterizes their culture is the manuring with Throught the country the greatest care is ex- every crop. Each sowing receives the necesercised in preserving the night soil. The sary amount of manure, and a full return is cabinet or privy, is an essential part of the expected from the immediate crop without houses of the poorest as well as of the weal- reference to the next harvest. We have inded with projecting ears into which a pole culture has been carried on mainly by the aid each life. can be inserted for the purpose of carrying of human excrement, in the hope of in ucing ands of boats may be seen early each mor- their farms. There exists a sort of prejudice | Wood win be accepted in any one bid. ming laden with high heaps of buckets full of against the use of night soil as a manure. A the precious stuff, which they carry from the general knowledge of chemistry would dissicanals in the cities to the country. These pate this and other notions. Human excreboats come and go with the regularity of the ment, as well as that of animals, contains elpost; it must be admitted, however, that it is ements which are needed for the growth of of a mail boat of this kind. In the evening source these are obtained, the wondrous pro- the opening at Proposate at my office at 12 N. on Tueslong strings of coolies are met with on the cesses going on within the plant will convert day, September 15th, 1863. road, who, having in the morning carried the these elements into food. Every thoughtful to Capt. D. B. Stover, As t Quartermaster, Balt Labe produce of the country to the town, are re- person will see that it is man's duty, when Gity, W. T., and recorned, Proposals for Gats, Hay or turning home, each with two buckets of ma- he has taken the products of the soil for food, nure, not in a solid or concentrated form, but to return to it those portions which are not fresh from the privies. Caravans of pack- needed in his own system, but which are, ac-

horses, which often have brought manufac- cording to the operations of nature, voided in tured articles (silks, oil, lacquered goods, such a state as to demand their removal, and

AGRICULTURAL WORKS .- The American Agriculturist and Country Gentleman continue to leet solid excrements." For the way in grace our table, having not only steadily maintained but materially enhanced their former standard of excellence, during the past two or three years. We regard them as pillars in the temple of agriculture. The Horticulturist and Journal of Rural Art and Taste-one of the oldest publications of this kind in the country, is also a most acceptable monthly visitor.

# PROPOSALS

COMMISSARY DEPARTMENT.

SUPPLIES

SUBSISTENCE OFFICE, Great Salt Lake City, Sept. 1, 1863. 5 Mce of the U. S. Commissary of Subsistence for the District of Utah, in this city, until the 15th DAY OF SEPTEMBER inst., for furnishing the following named

lbs., mere or less, of A. No. 1. FLOUR, in good and substantial sacks, containing 100; bs. each, and subese cultivator follows a routine which the ex- ingredients from being wasted or swept away ject to inspection; to be delivered in such quantities and at such times as may be required, the delivery to comwhich indicates progress, their results show certain stipulated percentage of the produce 1864. PROVIDED that not less than Fifty Thousand that their actual state of cultivation is far in of his fields, he argues quite logically that (50.000, lbs. shall bed livered during each of the months

### PRESH BEEF.

2ad .- TWO HUNDRED AND FIFTEEN 53 & 55 CLIFF STREET, . . THOUSAND FIVE HUNDRED (215 500) lbs more or less, o. FRESH BEEF, killed and dressed in the usual manner, (necks and shanks excluded) for that place, at such times and in such quantities as the Commanding Officer may direct.

The delivery to commence on the 1st day of October,

### POTATOES,

3rd .- TWO THOUSAND (2000) ushels of POTATOES, the delivery to commence on the 1st of October, next, and the whole to be delivered on or bearable land of the country is divided up into the fact that, in all my wanderings through fore the 30th of November, 1863. The delivery to be made at the Commissary warehouse in Great Salt Lake City or at Osmp Dougl's as the Commissary may direct.

4th -ONE MUNDRED AND NINETY (190) Bushels A. No. 1. Fine Salt, in sacks delivered on or | etc., with celerity and securit . They also forward Wnto our own farmers. In the first place, the many, (and in America. - En.) where it may before the 1st of Nevember at the Commissary ware- press matter to Deer Lodge, Gallatin on three feras, house, provided that at least 25 bushels, be delivered on [ Missouri river, Prickly Pear, Sun river, Fort Ben on, er befere the 1st of October, prox

Good and sufficient Bond, will be required for the ful-

of Sureties must accompany each bid.

Bu-hels of Sal , and each bld must state specifically the | for single handed gain are insignificant when compared articles and amount proposed to be delivered, and, the with the interest of the Government and the wishes

Bidders are invited to be present at the apaning of the proposals at the office of the undersigned at I p. m., on |

No bids will be entertained from parties not present to

the drawer has only made a sufficient deposit shells and of mussles and snails, with which to Capt. Chas. H. Hempstead. C. S. Great Salt Lake --- of manure. The amount of manure on most of the rivulets and brooks abound, and out of manure or most of the rivulets and brooks abound, and out of manure or most of the rivulets and brooks abound, and out of manure. CHAS. H. HEMPSTHAD.

> Capt. & Commissary of Subsistence, District of Utah.

## QUARTERMASTER'S DEFARTEENT.

# PROPOSALS for FORAGE and FUEL.

ASSISTANT QUARTERMASTER'S OFFICE, Great Salt Lake City, U. T., Sept. 1, 1883. SEALED PROPOSALS will be received at this Office, (next door to the Post Office) until the 15th inst. a 12 M for furnishing the following supplies: to be delivered at Camp Douglas or in Salt Lake City, at my

# Six Hundred and Thirty (638) TONS HAY. Fifteen Hundred (1,300) CORDS WOOD.

ders will so specify in their bids. Alao good and suffi. | Port Bridger lith day by 6 p. m. cient Bonds will be required for the faithful performance where it will receive the deposit and is provi- sands of years, a successful system of agri- of the contracts, and names of sureties must accompany

Bids will be received for furnishing the whole amount the vessel. At the towns and cities "thous- our readers to add this element of fertility to 5 00 Bushels Oats, or 150 Tons of Hay, or 300 Gords of of each article required in one bid; but not less than

Payment will be made in such funds as the Govern-

Contractors and sprettes will be required to take the

Bids will be addressed through Post Office or otherwise ! Wood as the case may be.

B. H. STOVER. Class, and Asset. Quarternanter, District of Utah,

HAVE just received by train fr m the Bast, a complete assortment of

NEW ERA, PREMIUM and PARLOR OVES

ALSO:

BRASS KETTLES,

7-tf.

SKILLETS,

SHEET IRON,

TIN-WARE,

and NALDS.

R. C. SHARKEY,

EAST TEMPLE STREET

NEW BRITAIN, CONN.,

mence on the 1st day of October, prox., and the whole | MANUFACTURERS of HARDWARE, 106 & 108 Pattery St., SAN FRANCISCO.

ATLANTIC WAREHOUSES. 87 & 89 BEEKMAN ST., . NEW YORK. 22 SOUTH 5th STREET, PHILADELPHIA. 138 CONGRESS STREET, . . . BOSTON.

> SOLE AGENTS FOR THE SALE OF

LILLIE'S CELEBRATED

# CHILLED IRON SAFES

### CONCERNING the MAIL to IDAHO TERRITORY.

MESSRS. OLIVER & Co., Proprierors of the Il Bannock City Express Wagons are making weekly trips from G. S. L. City to all the camps in the vicinity of the Beaver Head, Grasshopper, Stinkingwater, and Dorectt Mines, carrying passongers, packages, letters, American Fork, Hell Gate, Bitter Root Valley, Blk Chy, PA: MENTS will be made in such funds as the Gov- Lewison and all the principal camps in the South-Eas-

tern part of Idaho Ferritory. The U. S. mail from Great Salt Lake City to this giment of the contracts, and the Names place via Brigham City, Cache Valley, Soda Springs, U. T., Snake river Ferry, Bannack City, Stinking water Contractors and sureties will be required to take the | mines to Fort Benton, Ilaho Territory, will naturally some under the same contract, which is in fact the only In all cases, except that of fresh beef, bids will be en. | practicable road that can be traveled during the winter tertained for furni-hug toe whole, or a part of the months. Besides this it will be over 200 miles nearer above named artifeles provided such part shall not from Denver to the new gold fields by Russell's wagen

and interests of so many thousands of people who are The Government reserves to liself the right to reject | becaming identified with the growth and prosperity of Idaho Territory.

> All persons wisking to communicate with their friends in this country should direct their letters to G. S. L. City, in care of the Bantack City Express. OLIVER & Co. Proprieters.

Bannack City, Idaho Ferritory, July 19, 1863. 31f.

# UNITED STATES MAILS UTAH TERRITORY.

POST OFFICE DEFARTMENT, Washington, B. C. lat. August. 1363.

PROPOSALS will be received at the Contract office of this Department, until 3 p. m. of 3 th October, 1803; (to be decided by the 224) for conveying the mails of the United States in the Territory of Utah from 1st January 1864, to June 30, 1864, on the routes and by the schedule of departures and arrivals herein specified.

No. 14618 .- From Salt Lake City, by Ogden, Carks Valley, Snake river Ferry and Bannack City to Fort Benton, 723 miles and back once a week.

Leave Sait Lake City, Mondays at 8 s.m., arrive at Fort Benton 15 h day by 6 p. m. Leave Fort Benton on Mondays at 8 a. m., arrive at Salt Lake City 15.h day

Bids to end the service at Bannack City ommitting Fort Benton. 400 miles less distance will be considered. If service on this route be let, that on 14619 will not

No. 14519 -From Fort Bridger by Bennack City to Fort Benten, 573 miles and back once a week.

Leave Fort Bridger on Mondays at 8 a m.; arrive at Port Benton 14th day by 6 p.m.

All the articles mus be of the best quality, and bli- | Leave Fort Bonton Mondays, at 8 a. m. Arrive at

Bids to and service at Bannet City, craitting Port Benton, 350 miles less distance will be considered.

If service on this route be let, that on 14613 will not For forms of proposals, gua-antee and certificate, and

also for instructions and requirements to be embraced in the contract, see pemphlet advertisement inviting propossis for conveying the malis in California, Oregon and the Territories of Washington, Utah and New Mexico, dated Oct. 30, 1864, or that dated August 9, No bids will be entertained from pastles not present | 1861, to be found in the principal effices.

The law requires that the mails be conveyed with a species of martyrdom to be the conductor the plant. It matters nothing from what any or all bid. Bidders are r quested to be present at and proposals must be made entirely in accordance therewith to be entitled to consideration. No other bid can be considered. M. BLAIR, 0-6

Postmaster General.

LOST WRETERDAY afternoon, on East Temple Street, a I GOLD VEST GRAIN. The finder will please leves m was Mr. Ballian, Watsburgher, and be rewarded H. W. WALKER,

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