

damnation on the liver. Therefore, (in a tone of deep emotion) my beloved brethren, search the Scriptures."

Chinese Sugar Cane.

The Chinese sugar cane, or Sorgho Sucre, is doubtless to be an "institution" down South, and, if so, perhaps in Maryland and Virginia too, and North of that bad line which Messrs. Mason and Dixon wrote their names upon. The plant grows and ripens readily in this latitude, and as for North as we have any accounts of it; and if it shall be found to yield as large an amount of syrup as in Georgia the past season, there is greater reason to hope for the day of cheap sugar.

Our friends in Georgia are elated with their success this year, and they have reason to be.—The editor of the Southern Cultivator says: "It is our deliberate opinion that for 'soiling' (cutting green repeatedly) for the production of syrup, sugar, cider or wine, alcohol, fodder and grain at the same time, it will be found invaluable to the South."

Mr. Redmond, of the Southern Cultivator, has the credit of introducing the Sorgho Sucre into Georgia. Through Dr. Battery, of Rome, Ga., he had its sugar-making quality tested, and got a sample of crude brown sugar, and a very good sample of crystallized sugar, which he believes to be the first crystallized sugar made in the U. States from the Sorgho Sucre.

Gov. Hammond, of South Carolina, made a report to the "Beech Island Farmers' Club," detailing his experiments of the past season. He succeeded with a very simple apparatus in making syrup of excellent quality, but did not attempt to make sugar. He found it very productive in fodder, and yielding very largely also in seed.

The crop may be cut repeatedly for fodder, as it springs up immediately after the scythe. He expresses the belief that, owing to the more perfect maturing of the plant, and the probable fact that two crops may be grown in a season, the Sorgho Sucre "will yield more and better sugar than the Louisiana cane." A succession of crops may be arranged, he says, to insure cutting from the 1st of July until frost. The Governor means to plant ten acres next season for further experiment.

Col. Peters, of Atlanta, Ga., has experimented likewise with the Sorgho Sucre. We give below a detail of his experiment, being a portion of a circular, which he did us the favor to leave with us, with a bottle of the Syrup, which we placed on exhibition at our late Show. He is so well satisfied, it will be seen, with his success, that he means next year to plant fifty acres.

Should the anticipation of these highly intelligent gentlemen be realized as to this plant, it is impossible to over estimate its value. While it will no doubt yield a larger per centage of sugar in the South, it will very probably pay well in higher latitudes. The plant grows and ripens perfectly wherever Indian corn grows, and is extremely vigorous and thrifty. Should there be difficulty in manufacturing sugar from it, still a very good syrup may be made by any old woman who can make a pot boil.

That it is an excellent plant for fodder is certain—being voraciously eaten by stock of all sorts—very productive, and producing several crops in the season. It stands dry weather remarkably.—It has the peculiarity of preserving its fodder perfectly green until the seed is ripened, so that both seed and fodder may be had in perfection. The seed makes a crop quite equal perhaps to a crop of oats. Then, besides wine, cider and alcohol, it is said that paper can be made of the stalk, and brooms of the brush.

We have at our office a bunch of the brush with the seed, from the farm of Hon. J. Morrison Harris, another raised by Mr. Edw. Slicer, near this city, and a specimen of tall growing from "Severn Side," sent by Major Giddings. These latter stalks are sixteen feet in length, and we understand were grown on their land.

It is not, however, we are informed by Col. Peters, the genuine plant, but a cross with some other of the same family of plants—the common broom corn perhaps. It is essential that the Sorgho Sucre be kept entirely apart from all such plants, as the blossoms mix very readily. The following extract from Col. Peters' circular will be read with interest:

"By suggestion of Gov. Hammond, of South Carolina, I determined to give the syrup making a fair trial; consequently ordered from the Messrs. Winship, of Atlanta, a very complete horse power mill, with vertical iron rollers, that has worked admirably, crushing out juice for eight gallons of syrup per hour, worked by two mules with one hand to put in the cane, and a boy to drive.

"On the 13th of this month, finding the seed fully ripe, I had the fodder pulled, and the seed heads cut. Yield of fodder per acre 1100 to 1300 lbs. Yield of seed per acre 25 bushels of 36 lbs. to the bushel.

"First trial of mill, 70 average canes gave 20 quarts of juice; 606 average canes passed once through the rollers gave 38 gallons 1 quart juice, passed a second time through gave 2 gallons of juice—the 40 gallons 1 quart gave 8 gallons thick syrup.

"I carefully measured an 8th of an acre having the best canes and the best stand, another 8th having the poorest canes and the poorest stand. The result I give below—the canes passed once through the roller.

BEST EIGHTH OF AN ACRE.
Yield of juice from 3315 canes - 253 gallons.
" syrup from 253 gal. juice, 58 1/2 gallons.
Rates per acre of syrup, - 465 gallons.

POOREST EIGHTH OF AN ACRE.
Yield of juice from 2550 canes, - 179 gallons.
" syrup from 179 gal. juice, 43 1/4 gallons.
Rate per acre of syrup, - 346 gallons.
Weight of 30 selected canes, - 49 1/2 lbs.
" juice pressed out, - 25 3/4 lbs.
" crushed cane, - 23 lbs.
Loss in crushing, - 3 1/4 lbs.
Weight of crushed cane dried in sun, 9 1/8 lbs.

"Obtaining such unlooked for success with the Chinese sugar cane, I conclude to try our common corn.

"From a 'new ground' planted 3 by 3, one stalk to a hill, a week beyond the roasting ear stage, I selected 30 stalks.

Weight of 30 stalks, - 35 3/4 lbs.
" juice, - 15 1/2 lbs.
" crushed stalks, - 19 1/2 lbs.
Loss in crushing, - 1 1/2 lbs.
Yield of syrup, - 1 1/2 pts.

"The syrup of a peculiar disagreeable taste, entirely unfit for table use.

"The juice should be placed in the boilers immediately on being pressed out, then boiled slowly, until the green scum ceases to rise; then stir in a teaspoonful of air-slaked lime to five gallons of juice; continue skimming and boiling until the syrup thickens and hangs down in flakes on the rim of the dipper.

"I have made the clearest syrup by simply boiling and skimming, without lime or other clarifiers.

"The lime is requisite to neutralize a portion of the acid in the juice; the true proportion must be determined by well conducted experiments.

"The cost of making the syrup in upper Georgia, in my opinion, will not exceed ten to fifteen cents per gallon. This I shall be able to test another season, by planting and working up fifty acres of the cane.

"I am satisfied that this plant will enable every farmer and planter in the southern States to make at home all the syrup required for family use, and I believe that our chemists will soon teach us how to convert the syrup into sugar or export as one of the staples of our favored clime."—[American Farmer.

THE CHINESE SUGAR-CANE—Has come to be the ordinary name for the "Sorgho Sucre," a most valuable plant of the sugar-cane order, and therefore allied to the maize or Indian-corn, but more nearly to the broom-corn. Its cultivation has commenced amongst us, and there is now in Washington more than an acre of it growing luxuriantly and promising a yield of considerably upwards of a hundred bushels of seed, besides many tons of stems and foliage, rich with saccharine fluid and solid food material for horses, neat cattle, and swine.

Not only here, but in various and widely distant parts of the Union has trial been made of it, and with uniformly gratifying results. We have read a letter from a farmer in Illinois who has tested its character, and reports of it in the most favorable manner. Out of a gallon of the liquid sap in the stem, which he expressed by the primitive contrivance of a rolling pin, he obtained by boiling a quart of molasses, with very little impurity and of approved taste. The usual proportions of sugar to sap lie between fifteen and twenty per cent., the crystallizable sugar increasing with the decrease of the latitude.

Besides this proportion of sugar there is an amount of perhaps five to eight per cent. of uncrystallizable sap, from which a very agreeable beverage can be made, and alcohol distilled more cheaply than by any other method. This sap, strange to say, if set with the oxide of tin, will dye silk of a beautiful pink.

As a food-plant for stock of all kinds it seems to overtop all that we now possess, furnishing in fair soils twenty-five tons per acre of excellent fodder, every bit of which is greedily eaten by animals. The seeds, too, by which the plant is propagated—in this unlike and superior to the sugar-cane of Louisiana, which is raised by cuttings—are fit for human food; at all events when ground and made up into cakes, after the manner of linseed cakes, they supply a good material for fattening stock.

The brush or top, from which these seeds are taken, is not without its service, for the plant is a species of broom-corn, and therefore its top, when deprived of seed, answers well wherewith to manufacture brooms. When the sap, top, seeds, and leaves are taken, leaving only the crushed stem, it still has an economic value: paper can be manufactured from it.

This valuable addition to our vegetable productions is originally a native of China, but has been sedulously cultivated for several years in South-eastern Caffraria, whence it passed into France and Algeria, in which last country it comes to great perfection. It would be hard to calculate its value. It constitutes every farm on which it is grown its own sugar-camp, orchard, winery, and granary, as well as a stock-farm and dairy; indeed, the "Sorgho" may be deemed a sort of vegetable sheep, every part and constituent of which is valuable.—[Washington Paper.

BUSINESS NOTICES.

FOR SALE.

ONE CARRIAGE and CUTTER—Inquire of 44tf S. M. BLAIR.

PIANO FORTE

ON SALE—Inquire of 44tf E. SMITH, P. M.

NOTICE.

ALL those indebted to MATTHEW GAUNT by note or otherwise, are politely called on to come forth and settle. You that got cloth from me one, two, three and four years ago, come on and settle up. Also all you that hold notes and accounts against me, bring them forward for settlement.

49-2 MATTHEW GAUNT.

"Owe no Man Anything."

ALL persons holding Due Bills or otherwise having claims against me, will please present them for settlement before 1st of March. And all persons INDEBTED to me will both oblige me and consult their OWN interests by speedy payment.

Flour, Scrip, Merchandise, Furniture, PAID FOR Good Watches, Gold and Silver Chains, Silver Spoons, &c. \$6 PER 100 PAID FOR FLOUR.

Territorial and County Orders taken. A No. 3 Charter Oak STOVE, and an excellent LIBRARY.

for Sale, at the GENERAL TRADING STORE. 49-3m HENRY J. JARVIS.

Wright's Quarter.

A. R. WRIGHT, TAILOR.

ON SOUTH TEMPLE STREET, in the second block west of the Tabernacle. All work done by him will be warranted equal in workmanship to any in this Territory. All kinds of Produce, Lumber, &c., taken for work.—Give me a call.

BEAUTIFUL LIKENESSES.

THE AMBROTYPES are the most clear and durable Pictures that are now made. All who want

A GOOD LIKENESS

of themselves or children should call without delay at WRIGHT'S ROOMS,

On South Temple Street, one door east of A. Ivin's Store.

Open from 10 o'clock a.m. until 4 o'clock p.m. Produce taken for work. A. R. WRIGHT.

GLOBE COFFEE AND DINING ROOMS:

Staines & Candland, Proprietors; [Between Livingston, Kinkead & Co's and Council House.

Meals always ready...Parties Supplied.

GLOBE BAKERY.

FAMILIES AND EMIGRANTS SUPPLIED WITH HARD & LIGHT BREAD.

NAILS! NAILS! NAILS!!!

D. SABIN has Machinery in operation for making all kinds of Nails to order.

He will exchange Nails for Wheat, Corn, Potatoes, and other Produce. Come on with it—now is the accepted time!

WANTED!—Tire and Band Iron, for which he will pay in Nails or work in his shop. Encourage Home Manufactures! 44tf

W. BALLAN,

WATCH-MAKER, respectfully informs the inhabitants of Great Salt Lake City and vicinity, that he intends carrying on his business in the house formerly occupied by A. L. Hale, North Temple st., 17th ward, and will warrant all work done by him to give satisfaction, as he understands his business in all its branches. Jewelry neatly repaired; charges very moderate. 43-1f

GRINDING, GRINDING.

THE undersigned would respectfully announce to the inhabitants of Tooele and the adjoining counties, that persons wishing Grinding done can be accommodated on short notice, all seasons of the year (as the mill springs never freeze) at E. T. Benson & Co.'s New Grist Mill, situated at Richville, 24 miles west from G. S. L. City, which is warranted to make as fine flour and as good a turn out as any mill in the Territory. 45-8m E. T. BENSON & CO.

LOST, STRAYED, &c.

STRAYED,

A T GARDNER'S MILL from the subscriber, on Dec. 17, one dark bay HORSE—no brand; and one sorrel HORSE, white face, belly and legs—branded J on right hip; both heavily shod; 8 or 9 years old. Any information concerning their whereabouts will be thankfully received by 43tf CHARLES HOLLEY.

ESTRAYS.

CAME into my inclosures about the 1st Nov., one red brindle brockle face SPEER, 3 years old, white belly, branded O H S left horn.

Also one red and white STEER, 5 years old, star in face, belly and tail white; brand left horn C C, brand left hip. One dun OX, 6 years old, white in flanks, brand S S left horn.

One BULL, 2 years old, brindle, white and dun; no brand visible. One red and white HEIFER, 2 years old, branded left hip, but not legible.

The owners can have them by proving property, paying charges, &c. D. W. SESSIONS, Poundkeeper, 49-2t City Bountiful, Davis County.

To be Let on Shares, Rented, or Sold,

THAT well circumstanced FARM on Big Cottonwood, containing about 80 Acres, half pasture and half wheat land, as now in the occupation of William Chambers.

Apply to WILLIAM HOWARD, Big Cottonwood, or Great Salt Lake City. 49-2

Brand Sheets! Brand Sheets!

NOTICE is hereby given that the Brand Sheets, now neatly bound, can be had by calling at the President's Office, price \$1 cash or wheat at cash price taken in payment. Persons having cattle estrayed, or those purchasing, will find it to their advantage to have the Brand Sheets by them for reference.

H. B. CLAWSON, Recorder of Brands. 49t

GARDEN SEEDS FOR SALE.

EDWARD SAYERS, 12th Ward, begs leave to inform his friends and the public that he has the following variety of GARDEN SEEDS, of last year's growth, to sell for cash, or exchange for flour, grain, butter, eggs, cheese, &c., viz., at

10 Cents per Paper.

ASPARAGUS. CABBAGE—Late Drumhead. CELERY. CUCUMBER. DILL.

LETTUCE—Imperial Cabbage, Curled Silicia. MELON—Nutmeg, Mountain Sweet.

ONION—Large red PARSLEY. PARSNIP. RADISH—Long Scarlet.

SPINAGE. TOMATO. TOBACCO. TURNIP—Early White Stone, Red Top, Ruta baga, White French.

SAGE. SUMMER SAVORY.

25 Cents per Pint.

BEANS—Dwarf. PEAS—Early Jane, Prince Albert, Blue Surprise, Blue Imperial, Late Green Marrow.

Seeds exchanged for labor in garden. 46-8t

Godbe's Quarter.

ARRIVAL OF GODBE'S TRAIN,

WITH a large and complete assortment of the Graefenberg Company's far-famed FAMILY REMEDIES;

the increasing demand for which having warranted a considerable increase in this season's purchase. Also a vast variety of Botanical and other every-day necessities in the medical line; with many of which the Territory has hitherto been but meagerly supplied, and others altogether overlooked by general dealers.

W. S. G. has also made a large purchase of GLASS, PAINTS, OILS,

and a selection of CHOICE LIQUORS, WINES and CORDIALS of the first quality for medicinal purposes; with an extensive variety of Perfumeries and other goods, useful and fancy, which you must call and see for yourselves.

The Soda Fountain still flows cool and refreshing as ever.

The following medicines are confidently recommended to the infirm:—

Marshall's Uterine Catholicon. Consumptive's Balm. Dr. Libby's Pile Ointment. Health Bitters. Vegetable Pills. Eye Lotion. Fever and Ague remedy. Children's Panacea. Green Mountain Ointment. Sarsaparilla compound. Graefenberg's Manual of Health.

J. L. HEYWOOD,

HAT, Cap and Muff Manufacturer, G. S. L. City, continues to keep on hand the choicest assortments of articles in the above branches, suitable to the wants of the people, for which he will receive in exchange all kinds of furs, grain and vegetables, &c.; fire wood, home manufactures, clothing orders, Territorial, county and city scrip. 33-3m

NEW GOODS.

LEVI STEWART & CO., would respectfully announce to the citizens throughout Utah Territory, that their first, second and third trains of NEW AND STAPLE DRY GOODS,

GROCERIES, OILS, PAINTS, NAILS, GLASS, Hats and Caps, Boots and Shoes, &c., have just arrived and are now opened and for sale at Salt Lake City and Provo. All who are in want of the above articles will find it to their advantage to give us a call before purchasing elsewhere, as our stock was bought at low rates and expressly to meet the demands of the market.

N. B. All persons indebted to the late firm, will please call and settle their accounts and save costs. Wheat and Flour will be received in payment. 30-1f L. S. & CO.

THE DESERET NEWS.

WEEKLY:

PRINTED ON WEDNESDAY; DELIVERED ON THURSDAY.

TERMS—\$6 PER ANNUM.

OFFICE—P. O. BUILDING.

ADVERTISING.

[Ten Lines, or less, constitute One Square.]

REGULAR ADVERTISEMENTS:

One Quarter Column, (three squares or less) for each insertion : : : : \$1.50
Half Column, (seven squares or less) each ins. : : : : 3.00
One Column, (fourteen squares or less) " : : : : 6.00

SUNDAY ADVERTISEMENTS:

One Square, each insertion : : : : \$1.00
Two Squares " : : : : 1.50
Three " " : : : : 2.00

Thus upward, with a half dollar to the additional square for each insertion.

TO ADVERTISERS.—Advertisements to insure insertion in the current number must be handed in before 10 o'clock on Tuesday morning. Remember this.

BOOK, JOB AND CARD PRINTING

Executed to order in this office; and having received some important additions to our stock of

Job and Ornamental Type,

We are prepared to do work at reasonable rates, and in the most approved style.

BOOK-BINDING.

In all its branches carried on in connection with this Office. Send in your orders.

AGENTS FOR THE DESERET NEWS.

UTAH.		
A O Smoot	Kanyon Creek Ward	G S L County
Reuben Miller	Mill Creek	Do
Robert Gardner	Do	Do
Ezekiel Lee	Big Cottonwood	Do
David Brinton	Do	Do
Joseph Hammond	South Cottonwood	Do
Isaac Ferguson	Do	Do
Silas Richards	Union	Do
William Draper	Draperville	Do
Samuel Bennion	West Jordan	Do
Mc Gee Harris	Fort Herriman	Do
Peter Maughn	E T City	Tooele County
Alfred Lee	Tooele do	Do
Thomas H Clark	Grantsville	Do
John Stoker	Stoker	Davis County
William Smith	Centerville	Do
James Leithard	Farmington	Do
Samuel Henderson	Kaysville	Do
James G Browning	Ogden	Weber County
E Bingham	Bingham's Ward	Do
Thomas Dunn	North Ogden	Do
Thomas Kingston	South Weber	Do
A Wardsworth	East Weber	Do
E H Pierce	Brigham City	Box Elder Co
Salmon Warner	North Willow Creek	Do
David Evans	Lehi City	Utah County
Isaac Houston	Lone City	Do
L E Harrington	Lake City	Do
W G Sterrett	Pleasant Grove	Do
D Carter	Provo City	Do
Aaron Johnson	Springville	Do
John W Berry	Palmira	Do
John H Redd	Spanish Fork	Do
Charles B Hancock	Payson	Do
B F Johnson	Santaquin	Do
T E Foot	Salt Creek	Junab county
George Peacock	Manti	Sanpete Co
Samuel P. Hoyt	Fillmore City	Millard Co
Farleton Lewis	Parowan	Iron County
Isaac C Haight	Cedar City	Do
John D Lee	Fort Harmony	Washington
L W Babbitt	Beaver Creek	Beaver County
Isaac Bullock	Fort Supply	Green River
Allen Weeks	Cedar Fort	Cedar County
A B Cherry	Genoa	Carson County
Andrew Moffit	Cache Valley	Cache County
James Frodsham	Malad Fort	Malad County

NEW MEXICO.

William Brinhurst Los Vegas

For California, Oregon and Washington.

D M Thomas San Bernardino CALIFORNIA.

Geo Q Cannon San Francisco "

For Canada and the States and Territories East of the Rocky Mountains.

Luminary Office St Louis MISSOURI.

Mormon Office New York City NEW YORK.

For the British Isles, Europe, Asia, Africa and Australia.

Millennial Star Office, Liverpool ENGLAND.