On account of an accidental omission by the author, the following airily written and sensible counsel of the sawmill is reprinted.

SONG OF THE SAW-MILL.

Hark! how the saw-mill goes, How thick its sounds are set! It stops-the run o'er flows, And all is dripping wet. The wheel is on its rounds-Methinks the saw does say, In harsh discordant sounds-"Make money, make money, Make money, make money, Wo k while 'tis called to-day, To-morrow never may, Haste-"in sunshine make your hay."

Now it has changed its tone, The coarse log feels its force, 'Mong rents, and bark, and stone, And knots that mar its course,-Still up and down it coes, And through the wood it frets-While from its sound this flows-"Go neighbor, pay your debts, Pay your debts, pay your debts, Then you'll be free from those Who'd take you by the nose, When you cant accept receipts!!!

Anon-the log is changed Mountain-mahogany, With care 'tis all arranged-"Tis off-in agony, It slowly cuts, yet strong, As if in pain 'twere writhing,-While still it sings this song,-"Go neighbor pay your tithing! Your tithing, your tithing, And help the church along, To rob her's madly wrong, Now dont you do the sly thing!!!-[Lyon.

G.S. L. City, May, 1855.

[From the Student.]

A HOME-MADE SOLAR MICROSCOPE.

BY UNCLE GEORGE.

Children, you see we are not shut out of nature's beautiful workshop by the cold, the winds, or the snow. So far from it, the snow itself presents a new type of beauty in its many-shaped crystals, that to the common eye are invisible amid the feathery mass. If Willie will bring me his burning-glass I will show you the way I make my Solar Microscope."

"You make a Solar Microscope, Uncle George?"

"Certainly; after the lenses are made, it is but a simple matter to put them together. You can get for fifty cents the small lens; the burning-glass for a shilling, and a looking-glass for twenty-five cents; and any boy can then make the instrument which I shall describe. You notice if I hold this burning-glass in the sun, that it forms a focus six inches from the glass; that is the place where the condensed rays cross, and the greatest light and heat are found. This is called the 'focal distance." >>

Yes, Uncle George, we learned that in the Natural Philosophy."

"I suppose so; but here's little Johnny, he has not studied so far yet. Now I will take one of my very small lenses, and you will see its focal distance is but one fourth of an inch. Here I have a tube which is made of tin, but pasteboard is good enough, and paper cut in strips, rolled tion St., nearly opposite Mrs. Tuff's Eagle Mansion; apply on a smooth, round stick of the proper thickness, pasting to Wm. Chambers or Wm. Howard. Mr. Chambers is it as you roll, and letting it dry, and then pasting on more strips till it is thick enough, will make a better tube than pasteboard."

"Oh, now I see, partly—you fasten this burning-glass in the end of the tube, and that throws the light in one little grant of a Herd Ground, the center of which to be the spot near the other end; but I don't know how we are going to see the things."

"I will show you, Willie. At this end of the tube I set my small lens just far enough from the other glass to let the focus of this meet the focus of that, that being of six inches and this a quarter of an inch, focal distance, the whole length between the glasses-"

"Is six inches and a quarter, of course."

"Yes, Johnny; and you see this long hole cut on the sides of my tube, a little wider than the glass slides of my objects, and directly opposite the united foci (the plural of focus)."

"You are right; and since I could not hold it still, and give bonds at my office. continually, I have here a short tube which slides within the first, and covers up the long opening in that, except in this one narrow slit in the middle; this just admits the slide, and by the ends of the slide I can move the inner tube forward or back to bring the object into the precise focus of the little lens. As the slit is longer than the width of the slide I can slip the object up and down in it, to bring all parts into the light. You see now by the S hool House. wide opening in the outer tube I can make the horizontal motion to and fro, and by the narrow one in the inner tube I can make the perpendicular motions. Those are all that is necessary to bring any small object to the centre, where the light falls."

that big shutter? We haven't been naughty!"

"You'll find it a very pleasant punishment, if you have; but I am not going to shut out the light yet, till I show how I let the light in where I need it through this tube. When it is set in, there is a little motion possible by means of the universal joint of the socket."?

"What's a universal joint, Uncle George?"

"One that can be moved in every direction. Here, stick this pencil into that apple, and then clasp your hand round the apple, letting the pencil come out between | business. your thumb and foretinger. There, you see the apple will turn about in the hollow of your hand, and let the pencil turn in every direction; but there is no way to get the apple out while the hand is closed. That's a universal large and extensive stock of goods belonging Messrs. C. joint. Make a hole through the apple, and put this reed through, and you have the principle of my tube exactly. Thursday the 10th inst. Wherever the light is, it must come straight through the tube, and as it is always changing its place with the sun, I wish to have this power of keeping up with it for awhile.39

"And what, when the sun runs clean off, farther than this joint will move?"

"Here, I manage that by this mirror on the outside of the shutter, for we'll hardly find the sun so obliging as to look directly in at our tube. This looking-glass, you notice, is about four inches wide and eight inches long. and is fastened on a stiffiy-jointed arm, which drives snugly into the shutter through this auger-hole. The joint in the elbow of this arm is a simple mortice and tenon, and is made so that the mirror, when its flat surface is up, may rise and fall, which gives it more or less inclination or slant as it may need."

that trap-door motion will not throw the light."

"Well suggested, Willie; but here is the provision for that; this arm will move in the auger-hole through which it is fitted in the shutter; by twisting it over you can set the face of the mirror toward any part of the sky from sunrise to sunset; then by the elbow you can set it high or low to catch the sun."

"O yes, I see it all; and I could make all that, I guess." "I presume so, Willie, and perhaps some ingenious boy will contrive a better way, for this is only the experiment of a bigger boy than you; it is just as I left it many years ago. Now we'll put the shutter in the window."

"O how dark! why, I can see nothing. Where's Fanny?"

"I am here, little boy; but now I guess Uncle George has caught himself, he has his shutter up, and how is he to get at his looking-glass, out doors there, at the secondstory window?"

"I suppose he'll borrow a ladder, and go outside and set it. Why, it lightens! Oh, you have a little door there in the shutter, to put your arm out of, I see."

"Now we are ready to see what can be seen. About ten feet from the window I will hang this thin, smooth cotton sheet, and on that throw the images of what we Utah Territory, will please call at my office in the 17th would examine. You may sit either before it or behind it, as it is so transparent that the object is quite as clear one side as the other. The first thing I will put in to show the operation, before we come to our crystallizations, shall be this flea."

"It's total darkness now. Oh, you have your hand over the hole, and there I see a little flea in the palm of your

"All right-stand from under as I take my hand away.33

cowhy!" "Oh!" "My!" cowhy, how that startled

me! but isn't he beautiful?" "Isn't he terrible? he is taller than a horse, and those

monstrous, great, thorny legs with their awful clawsthey make me shudder; ugh!" "But, Fanny, see what glorious colors! he is a flea of

gold, clouded like sunset!"

ten o'clock in the morning, we shall have the best time in the day for our crystals."

Punch says that the "cloak of religion" is to be known sometimes by the fine nap it has during sermon

FOR SALE.

N Adobie House 15 by 20 and half a Lot situated in the 4th Ward, G.S.L.City; cash, cattle, or wheat taken for pay-apply to Mr. James Cummings, Council House, or to Wm. Reeves, Centerville,

House and half Lot For Sale. HE Dwelling House and Forge as formerly occupied by W. J. Westwood on Emigraauthorized to collect debts for work done.

NOTICE HE undersigned will apply at the next County Court of Great Salt County, for a Salt Pond near the Island Road about 10 miles Northwest EDWIN D. WOOLLY,

LOST.

BRYANT STRINGHAM.

COW 7 years old, red mixed with white, a star in her forehead, and widish horns, and branded P on the left hip. Mr. Thomas Child of the 15th ward, near Jordan bridge, will reward the finder on the cow being restored. G. D. WATT.

BISHOPS TAKE NOTICE: THAT there will be an Election Scool Trustees, held in the several wards of this "I see; that's when you hold the object to magnify, city on or before the First Saturday in June next; agreea- of the lands adjoining. ble to an Ordinance in relation to Common Schools, passed May 4th, 1855. The Trustees when elected will ROBERT CAMPBELL, City Recorder.

> OLIGINANT & WILLIAMS: DUILDERS AND CONTRACTORS otherwise. respectfully tender their services to the citizens of G. S. L. City, feeling confident from long experience in the business that they will be able to give satisfaction, and respectfully solicit a share of public patronage. 30 & W can be found it the 12th Ward, next East of

STRAYED OR STOLEN, N or about the 6th of April, from near Ensign Peak, a span of bay Spanish Horses, one is about 5 and the other 7 years old; branded W H on the left thigh, one has a star in his forehead; both "And now are you going to shut us up in the dark with have heavy black manes and tails. Any person giving information where they can be found will be rewarded by WILLIAM D. HENDREX, 19th ward.

WATER EXCURSION.

THE sail boat Deseret, is now ready to take parties out on the water, for pleasure excursions, either on Jordan or Salt Lake, on reasonable terms, inquire of the undersigned, half a block West of the 16th ward school house.

N. B .- The above boat will be let or sold on reasonable | ing property, and paying charges. terms to any person who would like to embark in such a

NOTICE OF REMOVAL. ILLIAM HOWARD begs leave A. & E. H. PERRY; and will have the whole removed brooms we will sell low and warrant them to do good ser- The Ogden mail leaves every Monday and Thursday to his NEW STORE, East of Branham & Norris, on vice. We wish to supply G. S. L. City, and the other set- morning, and arrives every Tuesday and Friday evening.

such a stock. Suffice it to say that it will be found on in- expect to be furnished with brooms without their raising | The Eastern and California mails are closed as 4 p. m., spection, well assorted in every article suitable to this broomcorn for their own use. market. The goods will be re-marked and the prices re-Bangd.

T the Salt Lake City Post Office, Stamped Envelopes at the following rates:-Three cent Letter Size, at \$3,20 per 100.

Six cent official size, at 6,32 do Post Masters, Merchants, and others in this Territory can be furnished with any of the above by remitting the cash. E. SMITH, P. M.

850 REWARD.

TRAYED from the pasture of Josiah Miles, 12 miles North of this city, in the month of August last, two American Horse Mules, medium size, four and six years old, one dark bay or brown, the other "But what if the sun is not just opposite the window, a light mouse color with a black stripe down the back, both have been branded on the shoulder, but perhaps grown out. Whoever will bring the above animals to Dr. HURT, will receive the above reward, or any inforrewarded;

mane roached, faint Spanish Brand on the hip, lately owned by J. A Kelting, of Provo; any one delivering the same to Dr. Hurt, of this City, will receive Ten Dollars for his trouble.

LUCIAN L. BEDELL. 9-3*

WOOL CARDING.

Y Carding Machine is now in successful operation at the Sugar Works, Big Kanyon creek. All those who have wool to card can be accommodated. BRIGHAM YOUNG. S-tf

W. L. JOLLY, UMBER MERCHANT—is prepared I to purchase good Lumber, for which he will pay

W. L. J. can be found daily at Goddard's Auction store, bit pelts.

U. S. MARSHAL'S NOTICE. PERSONS have Fees due them as Witnesses before the U.S. District Courts for ward, G. S. L. City, and receive the same. JOSEPH L. HEYWOOD,

> U. S. Marshal, Utah Ter.

> > Ward.

CAME INTO

Y HERD in the Spring of 1854—a dark red heifer-white spot in the foreheadsome white in the flanks and under the belly; no brands or marks visible; two years old.

The owner is requested to prove property, pay charges, CHARLES GREEN, and take her away. 8-3t South Cottonwood ward.

FOR SALE.

THE SUBSCRIBER offers for sale a good ADOBIE HOUSE, consisting of 2 rooms, 1 story high, fitted up for either one or two families, situated in Pleasant Grove Fort, or city, garden and corrals

Also a farm of 20 acres of good arable land about half a mile from the house. Pay will be taken in horses, cattle, "Well, luckily we have a cloudless day, and as it's only or sheep, or two thirds on the Perpetual Emigrating Fund Company's office.

Sheep taken on shares.

JOHN G. WHEELER.

TAX NOTICE: LL PERSONS OWING Territorial and County Taxes in Utah county, are notified that I will attend at my office, opposite Holdaway & Simkins' machine shop, myself or deputy, on Saturday of each week, from the first of May till the first of September, for the purpose of receiving the same. Ten per cent. and cost of collection, will be added to all taxes remaining unpaid on the first day of September, according to law. Those owing delinquent taxes had better pay forthwith and save costs, as I do not intend to wait till September for such taxes. B. K. BULLOCK,

Assessor and Collector, Utah county. Provo city, May 1, 1855.

FOR SALE.

Few good American Horses and Mules; also a few prime Flat Head Ponies. For particulars apply at the Deseret Store, or to E. W. Van Etten, 19th Ward.

STOLEN OR STRAVED. WHITE COW, red ears, branded on the horn MULLINER, a small bell on her. will satisfy the finder. 7-tf SAMUEL MULLINER.

WAGONS. WAGONS! A TE have for sale a number of excellent wagons suitable for general use. Also Ox

yokes, chains, &c., which we offer low for flour, wheat, oats and lumber, &c. T. S. WILLIAMS, & CO. 5-tf NOTICE.

HE Big Cottonwood Canal, to be dug for the purpose of boating granite to build the Temple, is being surveyed, and the completion of all that portion north of Little Kanyon Creek, between i and its ferminus in Great Sait Lake City, br. David Wilkin has been appointed to superintend, and to dispose BRIGHAM YOUNG. 7-tf

SPINING, WEAVING. LULLING, Dyeing &c., done at Jordan Woollen Factory. Wool taken to make into Cioth, Jeans, Flannel, Satinett or Blankets on shares or

Wool, Grease, Wheat, Flour, Pork, &c., &c., taken in exchange for Cloth, Blankets, Linsey, &c., at the Jordan Woollen Factory. Carding done on usual terms by MATTHEW GAUNT.

J. V. Long Phono Reporter,

S on hand to take verbatim reports of lawyers' pleas, and Court proceedings in general. He is also prepared to take down Ordinations, Blessings of sings one dollar each, irrespective of length. J. V. L. may be found at the Council House, or at his residence, third house east of T. O. Angel's

STRAYED OR STOLEN.

dark brindle Cow, line back, some white on belly be sold at this Office at present. and bush of tail; one horn larger than the other. Please | 4tf to return the same, and be rewarded.

ALSO:-In my possession, a dark red Cow, white belly hind legs, and rump; points of horns sawed off, no brands. The owner can have the above described animal by prov-

ALEXANDER HILL, Pound Keeper. LOOK HERE

to manufacture into brooms next fall and winter. Our and arrives every Tuesday evening. tlements in the Territory; and we solicit the patronage of It would be too tedious to mention the different items of the public. We hereby notify the people that they may the last day of each month.

2-10t

WM. H. CARPENTER, S. R. AIKIN.

IVINS, County Surveyor, Residence 1 . -17th Ward, North of Temple Block.

FOR SALE

T Salt Lake City Post Office, a large amount of 3 and 12 cent Stamps, received by the last California Mail. E. SMITH, P. M.

TO EMIGRANTS bread and Cracker baker, will have on hand, or make to order, Bread and Crackers, which emigrants, traveling south to California, will find advantageous and economical in their store of provisions.

BATH-HOUSE TANNERY.

Cedar City, Iron County.

mation leading to the recovery of them will be liberally HE Subscribers wish to say to the Public, that they design keeping constantly on Also, one small black mule with white spots of his back, hand a supply of Sole and Upper Leather of the best quality, also ready made Boots and Shoes; and are prepared to make to order Boots, Shoes, &c., at the shortest notice, from home manufactured or imported leather; and will receive in exchange most kinds of produce, bark, hides, cattle, or cash. An assortment of Cloggs on hand, also a few first quality Horse Collars. The highest price paid for Hides and Bark.

GOLDING & RALEIGH.

THE subscriber has established the above business on his premises in the 17th ward, one block north of Temple block, G. S. L. City, where he is prepared to execute orders for such qualities and styles

HAT MANUFACT BEY.

J. L. HEYWOOD.

in exchange for hats, Otter. beaver, Fox, Mink and Rab-

ALSO-Firewood, Butter, Eggs, Pork, Lard, Wheat, Lumber, etc.

J. L. H.

MILLI'S'AREW BORRELL. MPORTANT TO ALL.—The undersigned are prepared to commence schools for military instruction in the various wards of G. S. L. City, wherein will be taught the different branches of discipline in Cavalry and Infantry Drill-namely, the use of the sword, musket, and rifie; also company, troop, regimental, battalion, and brigade movements, on the latest and most improved principles. Instructions in riding and managing horses, and the usual gymnastic exercises so highly conducive to health, will be included. Parents and guardians would do well to send their youth to these schools. Terms for each pupil, in advance, 82 per quar-

THE DESERBET PERAT AND MENERAL Provision Store, East Temple Street, hitherto carried on by W. Jennings, will

ter .- For further particulars, apply to D. J. Ross, 14th

DAVID J. ROSS,

ROBERT SMITH, Drill Masters.

from this time be carried on by W. Jennings & J. R. Winder, who hope by an increased effort to accomedate the Inhabitants generally, that they may continue to enjoy that share of patronage hitherto so liberally extended. We intend to have always on hand the finest quality of

Beef, Mutton, Pork, Hams, Bacon, Bologna Sausages, Dried Beef, Tongues, Tallow, Lard, Butter, Cheese, Candles, Eggs, &c., &c., to be sold at Low Prices, Small Profits and Quick Returns, being our motto. In addition to the above we have commenced Tanning in all its Branches and shall require a quantity of Bark

and other Tanning Material, -Aiso, Hides and Skins, for which we will pay Cash or its Equivalent to suit the cus-N. B .- Cash paid for Fat Cattle, Sheep, Hogs, Butter,

Cheese, Eggs, &c., &c. Five thousand pounds of dried Bacon & Hams for sale WILLIAM JENNINGS, JOHN R. WINDER,

To Traders, Emigrants, and Freighters. MESSRS WARD & GUERRIER,

at Sandy Point, 7 miles west of Fort Laramie, on the main emigration road, would inform travelers to and from the States, and the public generally, that they will constantly keep on hand at their station, a good supply of fresh animais, groceries, provisions, and general assorted merchandise, which they will furnish on reasonable terms. They will also trade for cattle, mules, and horses. WARD & GUERRIER.

United States Mail to Manti. THE subscriber begs leave to inform the citizens of Utah, that the United States Mail Coach, for passengers and parcels, will leave B. Hawkins' Hotel Great Salt Lake City, every Thursday, at 6 a. m., and arrive at Mantl every Saturday at 6 p. m.; will leave Manti every Monday at 6 a. m., and arrive at G. S. L. City every Wednesday at 6 p. m.

Passengers or parcels to Union, Drapersville, Lehi, American Fork, Pleasant Grove, Provo, Springville, Palmyra, Payson, Nephi, Fort Ephraim, and Manti, will be crrried on reasonable terms. 47tf JOHN DAILY. Mail and Passenger Coach

BETWEEN G. S. L. City and Independence, will leave Harwkins' Hotel in G. S. L. City, and the Noland House in Independence, Mo., on the 1st day of each month at 8 a. m., stopping a short time at the following way-stations, viz:-Fort Bridger, Green River, Devil's Gate, Fort Laramie, Ash Hollow, Fort Kearney and Big Blue. Every facility and attention will be extended to passen-

gers to render their trip speedy, and comfortable. For further particulars apply to the following agents: J. M. HOCKADAY,

ang24-24-1y

G. S. L. City, Utah. ISAAC HOCKADAY, Independence, Mo.

ADAMS & CU.'S Express will be despatch-

ed, on or about the first of every month for California, Sandwich Islands, Australia, Atlantic States, and Europe. All treasures, valuable packages, and parcels forwarded children, and Blessings Patriarchal. Speeches taken to destination in charge of Messengers, without detention. down and transcribed at 25 cents per hundred words; bles- Letters, papers, and collections will receive the utmost

Particular attention will be paid to the purchasing, and forwarding of any goods that may be ordered from San

Office-with Livingston, Kinkead, & Co. P.S .- In consequence of the House of A. & Co. in San N or about the 1st of February, a Francisco having suspended payments, no Exchange will FELIX TRACY, jr., Agent.

UNITED STATES MAILS. If the present arrangements made by

the Department, the Mails are to leave and arrive at Salt Lake City as follows:-The Southern mail to Manti will leave every Thursday morning, and arrive every Wednesday evening.

The California mail, via Fillmore, Parowan, and Cedar VERY body in Utah who is expect- City, U. T., and San Bernardino, Cal., to San Pedro, will a ing to use brooms. We the subscribers are prepar- leave the 1st day and arrives by the 28th of every month. to inform the public that he has purchased the ing to plant thirty, acres of broom corn, which we intend | The mail to Tooele City leaves every Monday morning,

The Eastern mail leaves the first, and should arrive by

the last day of each months-which correspondents will do well to remember. E. SMITH, P. M. 41tf