121

[From the Columbian.]

Genuine Verdancy. Among the slight mistakes which are made upon this planet, probably nous are more unusing than those of the real greenhorn. It is a faud of inexhaus (this merriment to clis, witty and wise, to look on at a distance, and see him make a fool of himself, and them well pleased with themselves by his pecadilles against polite breeding, or against the artificial shrewdness of the high wrought life of modern civilization. His hob-nailed shoes, corduroy numentionables, and red cotton neckcloth. single him out as the victim for divers good natured, but provoking jokes of a practical nature, whereby he is made to show himself as by no means an fait to the best society.

Even the vulger upstarts that haunt the purhens of the second rate saloon, or the little Tom Neros of the street, consider themselves at perfect liberty to poke fan at the country Moses, who comes to trade, or see lions in the big city. He is gulled without merey, his pocket is very likely picked, he is sent on some fool's errand, and th imps that attend the street school come the bread act, (as they term begging money on the pro-tence of buying bread for a starving mother)

fover a green 'un,' greatly to their delight.

But let not our unsophisticated bumpkin be

danuted. We have often thought that his tormentors were the higger fools of the two, and that he might by a little indicious raillery put the laugh on the other cheek. They think him very verdant, but he knows them to be next door to folly's self to half their lives. They lough at him, because he is ill at ease among the made up customs of artificial or fushionable society, while they are making fools of themselves on a large scale, setting at defiance the good breeding of God's fair world. They are mightily tickled, because they know a thing or two that their rustic brother has ters, was given to the inhabitants in ouch "The Agrarian," a good sized, nest appearing, and 4,9 or 16 times greater orbite, and moving with not had a chance to learn, while they may be settlement.

be found in reality, among the starched up arti-The violater of a little custom, is less green than the setter at naught of a antural law; the awkwar | in dress or manners, are trespassing upon the good breeding of the universe, less than he who befools himself with the momentary indulgence of some heated passion, and pays a long account of ruin and remorse, with a few thrills of unlawful selfgratifica-Yes, your veritable 'green 'un'is the drunkyouth, and your bloated sensualist, and your spendthrift. we had at the begining. stark swearer, and your cold blooded hanks.

when they are not so ridiculons as to make them it. Your practice for sooth is to laugh at your brother man for some of his ontlandish oddities and quocrities. Heaven save the mark, but you are the bigger fool of the two. You think you are of drunkards and the sport of fools.

this composing stick, we are all of us inighty help that medical and other skill could af- tinues to be extremely mild and pleasant, groen' in this world, and like very naughty boys, ford, Bro Brement failed rapidly, and died like the Indian Summer in the States. we need to be washed, and whipped, and put to bed, a great many times before we shall get the on the morning of the 23rd inst. He was outire haug of this nuiverse.

Self Education.

The education, moral and intellectual, of every telligent, and faithful saint. individual, must be chiefly his own work. There is a prevailing and fatal mistake upon the subject It seems to be supposed that a young man must be seat first to granunar school and then to college, he must of course become a scholar; and the pu pil is apt to imagine ha is to become the mere passive recipient of instruction, as he is of the light and the atmosphere which surrounds him. But this dream of indelence must be dissipated, and you must be awakened to the important truth, that, if you aspire to excellence, you must become active and vigorous co-operators with your teachers. and work out your own distinction with an ardor that cannot be quenched, a perseverance that considers nothing done while anything yet remains to

Both in morals and intellect, we give the flux! shade to our own characters, and thus become emphatically, the architects of our own fortunes. How clse should it happen, geutlamen, that young men who have had precisely the same opportunities, should be continually presenting us with different results, and rushing to such opposits destinies? Difference in talent will not solve it, because that difference is very often in favor of the disappointed candidate. You may see issuing from the walls of the same school-nay, from the bosom of the same families—two young men, of whom one is admitted to be a genius of high order, the other scarcely above the point of mediocrity; yet, you shall see the genius perishing in poverty, obscurity and wretchedness; while or the other hand, you shall observe the mediocre plodding his slow but sure way up the hill of life, padding steadfast footing at every step, and mounting at length to entinence and distinction, an ornament to his family, a blessing to his country.

Now, whose work is this? Manifestly their

They are the architects of their own you are instructed or not, or to what point you will push your instruction. And of this be assured-I speak from observation, a certain truth; there is no excellence without great labor. It is the fact of Fute from which no power of gentus can absolve you. Gentus unexerted is like a poor moth that flutters around a coudle till it scorches itself to death. If genius be desirable ut all, it is only of that great and magnanimous kind, which like the condor of South America, pitches from the summit of Chimborazo above the clouds, and sustains itself at pleasure in the empyrical region, with an energy rather invigorated than weakened by the effort. It is in this capa-city for high and long continued exertion—this careering and wide-sweeping comprehension of mind—and those long reaches of thought that

Pluck bright honor from the pale faced monn, Or dive into the battom of the deep,

for enterprises of this pith and moment?—I will bers enough for 3 barrels of Pickels, and tell you—as Milo obtained that not since vinces; quite a quantity of mellons, squashes, pepfor this must be your work, not that of your ners &c. &c.

teachers. Be you not wanting to yourselves, and you will accomplish all that your parents, friends and country have a right to expect.—[Wirt.

From the American Presbyterian.

Copper.

The following mode of detecting copper will be found to be simple and effective, and by carefully attending to the different steps in the process, any one who can procure a dime's worth of aquafor-

tis, or what is the same, nitric acid, will be able to show the presence of the metal in a mineral that contains but a trace of it.

In the first place, reduce the mineral to be tested, to a powder. Let a portion of this powder—say about as much as can be taken up on a five cent piece—be roasted. This is easily done by heating it on a common shovel until it begins to curtical but.

The next step is, to take the roasted powderhalf as much as indicated above will be best-ond each the size of a walnut, and simmer for pince it on a piece of a broken plate or saucer—a watch glass would be best. Then drop on enough equafortis to make a thin paste with the of butter, skimming frequently, powder. Let it stand thus a few minutes, then Put this salve on linen clath powder. Let it stand thus a few minute add, drop by drop; about as much water.

In case the mineral contains an abundance of copper, it is only necessary to insert into this li-quid a clean, bright, knife blade, when it will at nce become coated with copper.

In case the mineral contains but little of the me tal, it night be wholly over looked in this way. To detect a small quantity of the metal, it will be necessary to get rid of nost of the equatoritis before inserting the knife blade. This is done by Professor O. Pratt's communication, that holding the piece of plate or saucer over a few add a few drops of water again, and insert the blade. If any copper be present, it will finally appear on the kulfe. It is proper in this case, to let the blade remain half an hour or more in the liquid, if the copper does not appear sooner. this way a very small an apocituen may be detected.

J. M. SAFFORD, State Geologist, &c.

DESERET NEWS

A. Carrington, Editor.

THURSDAY, OCT. 26, 1854.

Governor Young

And suit returned on the 18th inst., baying been absent eight days on a trip to Manwho, with few exceptions, manifested friend- can be had. ly feelings, and a strong desire for the con-

not had a chance to learn, while they may be playing even more 'fautustic tricks before high heaven;' indeed, as Carlyle quotes from Hugo and Trimberg, 'the Almighty himself must needs told Governor Young, "that he had been had been mad, and had acted foolishly, but had got actorize its clitorial and selected matter, would do rules which I invented for my own convenience in astronomical investigations. I present them hesitation, that your genuine verdant is often to over it now, and would do better, and as he credit to any community on the Continent." was very poor, if he would give him a blan- The above is the first candid, geutlemanly, edket he would go out hunting, and get his itorial notice of our rahable paper that has fullen fucilitating the researches of others.

The periodic time of a body only I mile distant living honestly." The Governor overlooked under our observation, and gives indication of a from the centre of motion in the sun (assuming squash-head's past folly, and gave him a settler of the place that point) blanket, being well aware that as we have fifteen years ago. heen twenty-four years in severe drill to We have placed the Agrarian upon our list, and and the miser, the debauchee the coffee house lent to the natives who have to start from gratified to hear of, and sid in its onward course politician, and the Lillipatian man of the world, a position so far below the vantage ground to that success its honorable, useful, and judicious

The company were favored with lovely They are vey green, and by their follies and weather, enjoyed the trip much, and all par-They are very green, and by thoir tonics and weather, enjoyed to perked up self conceit, and abuse of every law of ties were gratified, and benefited by the vis-

Melancholy Accident.

circular saw, the man who carries off the cond train of goods in 27 wagons. Elder very cute when you are simply very shallow. You slabs, and boards, accidentally let a loose Robert Campbell and company will probably very cute when you are simply very shallow. You shallow, and board touch the teeth of the saw, when it arrive during this week, and J. M. Horner & (00000000039447855) any dony cise, except your titue cotene of a mubeing extra wise, when by your vices, and mean- and the end of it struck Brother Bingham behind them, and their nerival will close our ucsses and depravaties, you are yourself the song Bement on his left side, and in front, passing immigration and imports this season. For-In fact, Mr. Public, between you and us, and across his bowels. Notwithstanding all the tunately for the late trains the weather conabout 35 years old. In him our community has suffered the loss of an industrious, in-

California.

By letters from Elder P. P. Pratt to Governor Young, and Elder G. A. Smith, dated at San Francisco, August 23rd, we To the Editor of the Descript News:learn the following:

Bigler, and Forrar had arrived from the Is-lands on their way to Utah. Elder Badlam out and simplify the laws that govern the workis studying the Chinese language, and an that he has cast away the vague and foolish idea of intelligent Chinaman is reading the Book of attracting and projectile forces, and adopted in Mormon and other of our publications, with some measure, my theory of the Self-Moving Forces of the Universe, which I published in January interest. Business was very dull; the mar- 1851.

six weeks, and as inclement weather may At that precise distance, the periodic time of a compel the gathering of heets before that time, we suggest the following plan for their preservation until they can be worked up.—

Place them upon the surface in rows about

At that press usuates, the periodic fine the to 3182 of the sum is equal to 3182 of the periodic times and distances of all the heavenly bodies, whether planets, asteroids, comets, stellites, or stars.

Yours most respectfully. three feet wide, as much as possible with the tops down, and with the sides sloped up in the form of a steep roof: eover with straw, and throw on a few inches of earth, placing a wise of straw in the top of the pile at inc open its portals to you, can do no more than af-ford to you the opportunity of instruction; but it must depend at least on yourselves, whether you are instructed or not carte where whether must be put on if the weather should turn of the duys, so measured on other plants, with his command, is now in our Territory, and very cold before the beets are used.

Green Tomatoes

encee for sauce, with sugar enough to make it palatable, will keep well until warm weather next season, and aside from making a healthy and very agreable sauce, are in this condition a ready and excellent ingredient. for holsters, minee pies, &c.

Profitable Farming.

Bro Israel Calkins of Payson, raised on the lengthy and tedious process connected with kepler's law, which requires three terms given to find a fourth. ing to Bishop Cross, the following produce Where fathermed line could never reach the ground
And drag up drowned honor by the locks.

This is the prowess, and those the hardy achievements which are to enrol your names achievements which are to enrol your names achievements which are to earth.

The ratio of the circumference of a circle to its diameter, is altogether unnecessary in the calculation. It is hoped that all the process much more complex than if not used. Any distance may be assembled the circumference of a circle to its diameter, is altogether unnecessary in the calculation and reders the process much more complex than if not used. Any distance may be assembled to a suit, and calculations founded upon the circumference of a circle to its diameter, is altogether unnecessary in the calculation.

The ratio of the circumference of a circle to its diameter, is altogether unnecessary in the calculation. It is shoped that all the citizens in the southern country will receive the circumference of a circle to its diameter, is altogether unnecessary in the calculation.

The ratio of the circumference of a circle to its diameter, is altogether unnecessary in the calculation. It is altogether unnecessary in the calculation and it affords ine pleasure to be added to an diameter, is altogether unnecessary in the calculation. It is altogether unnecessary in the calculation and it affords ine pleasure to be added to an diameter, is altogether unnecessary in the calculation.

Colonel Steptos and his carminative and the calculation of the circumference of a circle to its diameter, is altogether unnecessary in the calculation and it affords ine pleasure to lead the calculation and it affords in pleasure to lead the calculation and it affords in pleasure to lead the calculation and it affords in pleasure to lead the calculation and it affords in pleasure to lead the calculation and it affords in pleasure to lead the calculation and it affords in pleasure to lead the calculation and it affords in pleasure to lead the calculation and it affords in pleasure to lead pere, &c., &c.

The above is another evidence that a small piece of ground well tilled gives more profit, body around the sun, in mean solar days, when and satisfaction, with less labor, than the only the mean distance in miles is given:

Divide the distance by 1859195, and the quoand taking half care of the produce.

Sugar Beets.

Brother George Crainer of Tooele brought will be the required period:
Or this may be stated algebraically thus: in four sugar beets which weighed 721ths one of them weighing 20ths.

These were about average in a crop on

Cure for Sore Eyes.

Take a piece of beeswax, and of rosin, six hours in three quarters of a teacup full

Put this salve on linen cloth, and apply it to the eyes. It is said to be very good.

ADDRESS .- Seth M. Blnir, Galveston, Tex-

Astronomical.

dry, then our readers might have opportunity to comthe pare it with a similar article in our last number, while it was fresh in their minds.

The People's Journal

Is a monthly publication containing 32 Earth... Mars ... quarto pages in each number, printed in New York City, and edited by Alfred E. useful knowledge, and has a fair proportion of well selected reading matter, and a monthly list of patents, forming, each year, two volumes of about four hundred pages, and are given, the unit distance in the second column may be found, by squaring the cube root of its hundred engravings, at the low price of period. one dollar. Postage 25 cents a year.

ti, and the intervening settlements. Talks journal can be accommodated at the Post their orbits, namely:

Can any Good Thing

management thus far entitles it.

Immigration --- Goods.

On the 24th inst., Elders William Empy, with a company of the Saints with 43 wagons; and Elders Aaron F. Farr, and Elijah While tending Governor Young's large Ward came in with J. M. Horner & Co's se-divided by

ASTRONOMY.

Plain and Easy Rules For finding the Periodic Time of a Planet or Comet from its Mean Distance; also to find its Distance from its Period.

DY DRSON TRATT, SEN.

Siz:-I saw an article in your paper of the 19th

Elder Pratt and all the Elders who went from here with him were in good health.—
Elders, George Q. Cannon, Hawkins, Henry

Elders, George Q. Cannon, Hawkins

kcts were glutted; no money afloat: and Altho' he has endeavared to supercode the many chances to buy goods cheaper than in New York.

The Sugar Works

1851.

Altho' he has endeavared to supercode the "Third Law of Kepler." in regard to the relations existing between the distances and periods of the bodies of the solar system, yet in the introduction of his new rules, he has been obliged, most megustionably, to reserve to that very law, in obtaining to put of distance amoney 870.167 miles. Will be ready to operate in from four to which he assumes to be the director of the sun.

oter could not agree with but one. For the want Peeled, and stewed to a proper consist- not the least grounds for believing in the coincidence said to exist, between the diameter and the wishes his men to conform to the best principles

these distances, and with the nid of the ratio of the circumference of a circle to its diameter, Mr. Coues deduces the periodic time of each planet from its own distance, without employing

RULE I

tient multiplied into its own square root, will be the required period:

Or in other words, divide the distance by 1859195. and the cube of the square root of the quotient

 $\left(\frac{d}{1859195}\right)^2 = P$

RULE II.

To find the distance in miles, when only the periodic.time is given:
Multiply the square of the cube root of the
period by 1859195, and the product will be the re-

of the assumed unit, as in the second column of der the superintendance of sister Cole; we also slightly above the water, without his being

Mean distauce Mean Shlereal NAME. from the Period in Sun in Units can solur duys. 1859195 1.000 87.969 19.77970 Mercury. 36.96035 51.09738 224.701 365.256 77.85664 686.950 &cc. Sec. &c.

Beech. It is profusely supplied with well unnu be multiplied into its own square root, the executed, and useful engravings, illustrating agriculture, mechanics, science, and period, as in the third column. For instance, the

mean distances. more distant from the centre of motion than anly feelings, and a strong desire for the continuance of peaceful relations. Much counCome our or Nazareru!—We are pleased in distant 1-3 the velocity; and 16 times more distime of centact in your instrument, the differ-

well conducted weekly newspaper printed in 1n-only 1-2, 1-3 or 1-4 the velocity, will require 8, time, which may be always obtained by finding dependence. Missouri:— 27, or 64 times us long a period to complete their the time at sea. — [Ex.

in astronomical investigations. I present them here, hoping that they may be of some utility in

settlers of that place, than prevailed there some would be equal to a very small fraction of a day, expressed by the following declarat, .0000000000-39446855, which multiplied into the cube of the largest for sub-marino purpose that has been squere root of any planetary distance, expressed in made, and the contractors, Messrs. Tupper learn what we know, we should be very lenshall be pleased to exchange; and shall be highly inites, will give its mean sidereal period in mean and Carr, were several weeks in securing deposit in the hold of the steamer, which is the pleased to exchange; and shall be highly inites, will give its mean sidereal period in mean and Carr, were several weeks in securing deposit in the hold of the steamer, which is the pleased to exchange; and shall be highly inites, will give its mean sidereal period in mean and Carr, were several weeks in securing deposit in the hold of the steamer, which is the pleased to exchange; and shall be highly inites, will give its mean sidereal period in mean and Carr, were several weeks in securing deposit in the hold of the steamer, which is the pleased to exchange in the please in

(95000000) X.00000000039.46855-365.9563 Mercury's distance is 36774320 miles, there-

(36774320) X.00000000039446855=87.969 .000000000039446755, the square of the ance in miles. Thus,

) = 95000000 miles." 87.969) = 36774320 miles. .000000000039446855

If the mean distance of the earth from the sur be assumed as unity or 1, then the cube of the square root of the proportional distance of each planet, multiplied into 365.2563612 will give its mean sidereal period in mean solar days. For example, Mars' proportional mean distance from the sun is 1.5236923, and the shores of Sardinia. From there on the opposite point of the island a third cable is to be laid down to the coast of Africa to Tunis. The greatest depth of water between Spizzie and Corsica is 319 fathoms, between Corsica and Sardinia, 450 fathoms.—[Ex.

Mars, (1.5236923) x 365.2563612=686.97964 Mercury, (.3870981) X 365.2563612=87.9593d Venue, (.7233316) X 365.2563612=224.701d

87.9092540\ Mercury, (365.2502612) (221.7007869) 385,2563619

/696.9796456\I =1.5236923, its proportional 365.2563612

Any of the Units which we have assumed in the foregoing process, has rendered the calcula-tion much more easy and simple, than to employ. Occur to us. as in Kepler's law, the squares and cubes of three known terms to find the square or cube of the fourth. It is also much less complicated than the simplifications of Kepler's law, introduced by

Yours most respectfully, ORSON PRATT, Sen. Great Salt Lake City, Oct. 24, 1854.

We take pleasure in giving the following communication a place in our columns: |For the News

Honor to Whom Honor. would each after the assumed unit; but the diam- experts in winter with us. This gentlemanly officer and his associates have the good will of of generality therefore, in this assumed law, I see our society, and have thus far acted in a manner becoming officers of their rank. The colonel

> and rules of moral society; and if we mistake has given orders in this effect. Will the trading citizens of this town sell to the soldiers liquor, by which their own peace and that of their families may be disturbed they with do not attach the blance to the officers. but to our own citizens, who for paltry gain comes disturbed, but this disturbance does

So far as I am a witness, the officers and the men, with few exceptions, of the United States' Army now in our midst, take extra pains to The ratio of the circumference of a circle to its have all things move on happily and amicably, were destroyed by the grasshoppers; cucum- it, will produce the same results, but the assump- ality and kindness, for his high-minded and

Lake City,

UTAH COUNTY, Oct. 12, '51. MR. EDITOR:-A few words by the way of keeping you posted up respecting our settlements, may not be uninteresting. Concerning our place, better known as American Fork, we are getting along very well, having no trouble from the Indians, notwithstanding our close proximity to the spot where the tremendous buttle between the Sunkers and Utalis, recorded in a late number of the "News," took place, which by the by, as I am on the subject of w.r., reminds me very much of the Russian war, especially the tremendous efforts made by England and France—quito a hullabaloo, leet a suitable position. Look at the pional of the subject of the support of the subject of the subj along very well, having no trouble from the Indians, notwithstanding our close proximity to the made by Eugland and France-quite a hullabaloo, but nobody hert.

Our city wall is progressing. We had excellent injured by grasshoppers. Potatoes will be passable. We have secured in this fort about 300 tons of hay. I know of no one crazy concerning merchandize—all believing there will be plenty in distant objects.

The Farm contains 40 acres of good land, three-fourths of a mile of fence, four poles high, same when specular reflections interfere with three-foot ditch; two log cabins, and smoke with the sight in viewing a landscape or any house. It lies immediately east of Levi Steward distant objects.

the lover of truth. I am not aware that the gold piece is often very valuable. fever has any footing among us; if there is any, it for true splendor and variety the phenomis but an ague and fever concern.

Vaura truly, L. E. HARRINGTON.

Fellowship Withdrawn.

withdrawn the hand of fellowship from Arza Ad- to his satisfaction .- [U. S. Magazine. ams, and Robert Plunkett. D. D. HUNT, President.

A. H. RALEIGH, CPa. Bishop.

LOSOITUDE .- Mr. Borton, of Hong Kong, Persons wishing to subscribe for this process is far less complex than that of Mr. Coues, or of Kepler. It is founded on the has discovered a method of deducing the lungifollowing beautiful law that governs the planets in tude by a common watch. The method is simply their orbits around the law that governs the planets in tude by a common watch. ply this: the difference of time of the moon's disti, and the intervening settlements. Take Office in this city, and all the back numbers The menu velocity of the planets in different ortance by day or night gives the longitude by the were held with the Indians on the route of their longitudinal table under any meridian. Take That le, one planet, four times the angular distance of the sun and moon in sight. -compare that with the Nautical Almanac, lay off the nearest distance to that, and note the

The Mediterranean Electric Cable.

On Saturday the Persian screw steamer. chartered for the conveyance of the huge electric cable for the Mediterranean submarine telegraph, took her departure from Blackwall, and excited much observation as she proceeded down the river, on account of her drawing so much water, the vessel being deeply laden. The cable is the deposit in the hold of the steamer, which was the most capacious for room and length that could be employed. The cable measures 120 miles in length, comprising six conducting copper wires, each coated with solution, impervious to wet, again covered with hemp, &c., and the whole protected by galvanised iron wire of immense strength, the entire mass weighing nearly 1,000 tons. If the periodic time of any planet or comet be The destination of the steamer is Spizzie, where the cable will be run out to Cape cube root of the quotient, will be its mean dist- Corse, in Corsica, a distance of 110 miles the remaining ten miles being allowed for the depth it has to traverse. Land electric wires are being laid down the entire breadth of Corsica to the Straits of Bonifacio, and a second cable, 150 miles long, is in the course of construction in the metropolis, to be submerged across these waters to reach

Polarized Light---its Utility. HY PROCESSOR C. G. PAGE.

When an isolated principle, or truth, in any branch of science is discovered, the question is immediately asked, of what use The proportional distances are found as fol-ows:—

(7.233316) X 365.2563612=224.701d is it? Franklin answered this question for all time by asking another, viz: What is the use of a new born babe? Of what use or importance to man was it, that, in 1810, 3370981, the proportional M. Malus discovered that the different sides

of a ray of light are possessed of different properties in relation to the plane of its in-= .7233316, its proportional cidence? This is one of the most obscure of all scientific proportions, and yet we shall soon see how triumplantly the cavil-lor is silenced, and how liberally even this we are selling at the lowest possible prices, little fountain has poured its treasures into wholesule and retail. Call againse

the lamp of art. Without entering into the elucidation of

When glass is properly annualed, and of a good quality, it exhibits no change of colors when examined by polarized light.

If the glass has not been properly annualed, and of the glass has not been properly annualed. If the glass has not been properly the polariseope instantly detects the defect the polariseope instantly detects the defect recommended—(no other need apply) can by the display of colors. The annealing of obtain a situation by applying in season to the glass is expensive, and the manufacturer undersigned in the 17th Ward, G.S. L. City. the polariscope instantly detects the defect by the display of colors. The annealing of often slights this part of his work. Glass tumblers, pitchers, decanters, tubes, &c.,not well annealed, break often on the slightest scratch, or upon the sudden application to heat or cold. Glass tumblers will often crack when a piece of ice is left in them. and frequently break when set away by them- IVI ment and 12th Ward in G. S. L. City, a selves, owing to some slight scratch which sack of Seed Wheat, marked D H. Whoever

they might have received a week previous. has found it will confer a favor on the undersignation of the directions laid down in ed by leaving it with br. Hill at the Tithing Oftreaties on polarized light, a few little fice, or information where it may be found.

plates of glass, or, what is better, a Nicol's oct26-33-1t DANL HENDRIX. rism and a piece of glass blackened on one prism, or eye-piece, is a simple apparatus, 6 or 7 years old, white face, both hind legs white, costing from one to ten dollars, and so small branded P T on one horn. The ox belongs that it may be corried in the side, will show the purchaser whether he is that it may be carried in the vest pocket ox, and will return the same to the Bishop of the without inconvience.

If a piece of annealed glass be pressed or not manifest itself to the eye, nor to the most powerful magnifier. But when viewed by polarized light, the whole internal commotion reveals itself in the most beautiful manner, and while the pressure is in white with a drooped horn; the other spotted red and white with a drooped horn; the other spotted red and white with a drooped horn; the other spotted red and white white with a drooped horn; the other spotted red and white white with a drooped horn; the other spotted red and white white with a drooped horn; the other spotted red and white white with a drooped horn; the other spotted red and white white white with a drooped horn; the other spotted red and white white white white white white with a drooped horn; the other spotted red and white white white with a drooped horn; the other spotted red and white w will corrupt the soldiers, and themselves also, not manifest itself to the eye, nor to the by a traffic that worketh death instead of life.

most powerful magnifier. But when viewcreasing disruption seems inevitable, the Any information concerning said oxen, thank-all the while to the naked eye no signs of fully received. Any one that will return them to fracture or change is apparent. A beautiful feature in this experiment is, that it their trouble, shows exactly in what direction fracture oct24-33 f would take place if the pressure were sufficiently increased. Taking advantage of this property, model bridges and other structures have been made of glass; and when sub-mitted to strain or pressure, the polarized The owner is requested to come and prove propray discloses to the architect what neither erty, pay charges, and take her away.

WM LIVINGSTON. the unassisted eye nor calculation could evor discover.

The quality of gems for jewelry is determined by polarized light. The quality of sugars and of many articles of commerce, lect a suitable position. Look at the picreflected light is at once obliterated, and you;

Algebraically thus, 1859195XP3 and 1859195 miles from the center of the sun, a body will revolve around it in I mean solar day.—
I have therefore, chosen that distance us the unity of distance for the solar system.

If the distance of each planet, expressed in miles, be divided by 1859195, the proportional distance of each will be obtained, expressed in terms and excellent school for the past two quarters, unlarged and stored distance such a great distance, shoal water or sunken rocks, by the color of the water; or sunken rocks, by the color of

have a Subbath school.

Twenty nine of us take the "News," and as many more ought to: for the important intelligence contained therein makes glad the heart of the lever of truth. I am not aware that the gold

is almost neutralized by the chills; at the best it ena of polarized light surpasses all others in the whole range of science. Without enumerating all the advantages resulting from the discovery of Malus, we think we have an-The Seventies of Lake City, Utah county, have swered of what use is it? on this subject

DIEDE

Notice:

In Lake City, on the 4th inst., LOUIS ELMA, daughter of L. E. and Louis Harrington, agad 11 months and 15 days. Disease, typhoid fever.

TOTICE .- The boy that picked up a shovel N on the bench on Emigration road, branded R PIX on the 4th inst., is requested to leave it at R. Pixtou's opposite Reese store. oct26 33-1t

STRAYED:

ROM the subscriber, living in the 11th Ward, G. S. L. City, a small red and white spotted Cow, 8 or 9 years old, one horn turned up more than the other. No brands. oct26 33-1t THOS. YOUD.

COUNTY OFFICERS

TAKE NOTICE!—Shoriffs, Justices of the Peace, and Constables, that were elected at the last August election, in each respective counsel, and instruction on the policy to pursue being able to answer this question in the affirmawith our red neighbers, and on other mattive, by the appearance of the following editorial in
ters, was given to the inhabitants in oach "The Agrarian," a good sized, neat appearing, and

1.4 the velocity, &c.

Now 1-2, 1-3, 1-4 are the inverse square roots |
tical Ahuanac, agreeing to that distance, is the
forward and get their commissions, by calling at
the first respective distances.

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the velocity, &c.

Now 1-2, 1-3 are 1-4 the velocity, &c.

Now 1-2, 1-3 are 1-4 the velocity well respective distance.

This forward and get their commissions, by calling at
the first respective distance of the following editorial in
the Territory of Utah, are requested to come,
forward and get their commissions, by calling at
the territory of Utah, are requested to come,
forward and get their commissions are now of the following editorial in
the Territory of Utah, are requested to come.

The Agrarian, are requested to come,
the commission of the following editorial in
the Territory of Utah, are requested to come. are r cessary for each Officer to have. A. W. BABBITT

NOTICE.

PAKEN UP in Utah Co., Polmyra city, Oct. 18, one 2 year old Steer, line back, browns. des, white tail, and some white on the belly and hind legs; no brands visible. The owner is requested to prove property, pay charges, and take oct26-33-3t D. DORRITY, P. K.

LOST. A RED COW, with part of the bush of fail off, branded E D W on left horn, a sear on left shoulder 1 I-2 or 2 in thes wide, some 5 or 6 in. long. Whoever will give information where she be had, or bring her to the subscriber, shall

be reasonably rewarded. E. D. WOOLLEY. oct26-33-3t NOTICE.

HE HIGH Priests' Quorum will meet for the coming winter, on the first and third Vednesday evenings of every month at 6 o'clock, m. in the Council House, in G. S. L. City. Members are requested to forward their gene-ogies to the Clerk, and secure their certificates

-rot forgetting the clerk's fees.
The clerk has very many certificates made out by request, but never called for.
The names of some of our oldest members are

not found in our books. DAVID PETTEGREW, Pres't. C. E. BOLTON, Cirk.

oct26-33-3t BUTCHERING. THE subscriber wishes to inform the citizens of G. S. L. City that he have e-commenced Butchering at his new shop on his lot. East Tem-p'e st., where he will constantly keep on hand

Beef, &c., of the first quality.
BRIANT STRINGAM. N.B .- Cash paid for Beef Cattle. oct26-33tf

GRIST MILL FOR SALE, on Mil Creek, six miles south of G. S. L. City, on the County Road. For particulars enquire of ROBERT GARDNER, at the Mill. oct26-33-2t

LOST, NEAR the foot of the first Mountain a large red Ox, about eight years old, branded on the left hip, with the letters B M and R connected, a ring bunt on both horns about four inches from the points -Any person giving information of said on to hishen James G. Browning, of Ogden City, will be Fberdly compensated for he same. BENJ. M. ROBERTS.

HAT AND CAP STORE. A Tour Hat and Cap Establishment, one door north of D. Amy's Tra Shop, can be found

G. DUNFORD & CO.

PRACTICAL School Teacher

E. SMITH. D. WILKIN, C. DUNCAN,

eci26-33-2t MONDAY. Oct. 231, between Session Settle-

STRAYED: LIROM this side of Jordan, below the bridge

2d ward, will be rewarded.
o-t26 33-2t MARIAH JENSEN.

the residence of said Bialrisball be rewarded for

MRS. S. M. BLAIR. BY the subscriber, a Red Cow about 5 year's old, some white on her runn, and 'a star in

get26 33 3t South end of 8th Ward

GREAT BARGAINS

Farm, and House and Lot in the City, for Sale.

ture through Nicol's eye-piece, and all this is entirely fenced around, and some fruit and other trees upon it.

The Farm contains 40 acres of good land,