[Communicated.]

Mathematical.

Going the rounds this winter, as well as last, is the following mathematical paradox, and as far as I can learn, without a satisfactory solution:

Two men, A and B, contracted to dig 100 rods of ditch. A was to receive 9 bits per rod and B 7. They were to perform the work, in proportion to price, that they might receive equal amounts of the proceeds. Their conclusion was, that, as 9 bits plus 7 bits were equal to 16 bits, or $2, for 2 rods, they should receive just $100 for digging the 100 rods—a grand mistake. The question then arose, how many rods must each dig?

Taking the $100 as a basis they found that A must dig 44 4-9 rods, and B 57 1-7 rods. But the proof was not satisfactory, for 44 4 9 plus 57 1-7 equal 101 37-63. Finding no mistake in their work they were somewhat puzzled, yet concluded to try it again, using the 100 rods as a basis, with the following result: 100 rods divided in proportion of 7 to 9 gives 43 3-4 plus 56 1-4 equal 100, which numbers of rods multiplied by the respective prices give to each $49.21 7 8 and to both $98.43 3-4.

Although the last was a correct solution, the number of dollars to be received was not equal to the number of rods to be dug and therefore not equal to their expectations, and we may conclude, as they found no mistake in their work, the result was not even as satisfactory as the first.

They now resolved to solve it the third time, but with the pick and shovel, and leave the mathematical solution to those who still adhere to the adage "Figures will not lie".

If we make the statement:—for 100 rods they shall receive $100—each fifty—and that the work is to be performed in such a proportion that as often as A receives 9 bits B shall receive 7 bits, we have the same division of rods as the parties in their second solution; but to add that they will receive a certain price per rod, when the whole number of rods and the price of the whole number declare positively otherwise is simply absurd.

If we use 10 bits and 6 bits instead of 9 and 7 the apparent discrepancy is greater, and will continue to increase as we separate the proportional numbers. Thus 8 and 8 are 16 and 8 times 8 are 64; 9 and 7 are 16 but 9 times 7 are only 63; 10 times 6—60 and so continuing with increasing difference,

NEW PROBLEM.

Two men, A and B, start from the same point C A travels north 25 miles, to D. B travels 25 miles north-east, to E. How far apart are A and B in a direct line?

A PUZZLE.

Use the nine significant figures in any possible form—once only—and let the result be just one hundred.

A RULE TO FIND.

If we take any number, say 345 and multiply it by 9 we have 3105. Now if I mark out the 3 it will read 105, if the 1, 305, if the 5, 310—neither a 9 or 0 must be taken out, but either of the first eight. The rule to find is one by which we can fill the unknown figure taken out—knowing the remaining.

J. M. D.

Laraway Gulch, Jan. 24 1863.

[Solutions next week.]

ARRIVAL OF WELLS, FARGO & CO.'S EXPRESS.—Late last evening after we had the "form" on the the press, johnny McCommons came in with an express from the Dulles, but nothing beyond. The latest papers by this arrival were the Walla Walla Statesman of 16, and the Lewiston Age of the 9th. From the Statesman we take the following—

Portland, Dec. 23d.

The 'Jura,' from Liverpool 10th, has arrived.—The fight between Heenan and King took place near Dunbridge. King won in 25 rounds, occupying 31 minutes. No details had been received.—The Lounon Times says but little science was displayed on either side. Heenan's game throughout seemed to be to close and hug so as to crush his antagonist at once by dashing him violently to the ground. King's tactics were different and more creditabje. It was reported that Heenan's shoulder was broken.

The Statesman contains news from St. Louis up to the 23d of Dec., two days later than our last week's dispatches. The rebels under Standwaite Adair and Quantrell, were encountered by Capt. Spillman with some Indiana troops, at Barren Fork in the Cherokee country, and fought four hours—Spillman's command routing the enemy. Rosecrans will be sent to St. Louis and Curtiss to Kansas, displacing Ewing. Richmond papers of the 20th, say reinforcements from Col. Jackson and Gen. Sam Johnson's commands were going to Longstreet, and a battle was expected at or near Jonesboro, Tenn.

Lewiston, Jan., 12.

Judge Parks is presiding, by order of the acting Governor, at the special term of the Dist. court for the trial of the Magruder murderers, and believing it to be impossible to reach Bannock City by the second Monday in February, he has, after consulting with the Boise delegation in the Legislature, issued an order to the Dist. Clerk, Mr. Henly, to adjourn the Dist. Court until the 4th instead of the 2d Monday, as provided by law, consequently the time will be prolonged two weeks. If, in the mean time, they prove to have caught the murderers of Magruder and party, and hang them—which is a better death than they deserve—we can afford to wait.

MEANING OF SPANISH NAMES IN NEW MEXICO.—Sante Fe, Holy Faith, the city was formerly called La Sante Fe de San Francisco, The Holy Faith of St. Francis. The second city in size in New Mexico—Albuquerque—takes its name from Don Juan Albuquerque, its founder. Las Vegas, The Meadows, so called from the beautiful country by which it is surrounded. Colorado, signifying Red, takes its name from the reddish color of its river banks. Las Cruzes, the City of Crosses; El Paso, the Pass—here the Rio Grande becomes very narrow, while its banks are high and rocky. Canon City, the City of the Valley. Platte river was originally known as Rio Plata, River of Silver; but that word like a great many other Spanish names, has been most foully murdered by the English.

THE public schools at Vicksburg have been re-opened, after an intermission of two years or more. Colored schools have also been established, through the agency of Adjutant General Thomas. The teachers speak highly of the pupils, and the earnestness with which the older ones enter upon their sudies.

PASSION.

A night of fretful passion may consume
All that thou hast of beauty's gentle bloom;
And one distempered hour of sordid fear
Print on thy brow the wrinkles of a year.

SHERIDAN.

COMMON sense and substantial homespun ments are not much ed in these days.

WOMAN A CIVILIZER.—If God were to take the sun, moon and stars out of the heavens, the chances for husbandry would be what, if God were to take woman out of life, would be the chances for civilization and refinement. Woman carries civilization in her heart. It springs from her. Her power and influence mark the civilization of any country. A man that lives in a community where he has the privilege of a woman's society, and is subject to woman's influence, is almost of necessity, refined, more than he is aware of; and when men are removed from the genial influence of virtuous womanhood, the very best degenerate, or feel the deprivation. There is something wanting in the air when you get west of the Alleghany Mountains on a sultry day of summer. The air east of the mountain is supplied with a sort of pabulum from the salt water of the ocean, by which one is sustained in the sultriest days of midsummer. Now what this salt is to the air, that is woman's influence to the virtue of a community. You breathe it without knowing it. All you know is that you are made stronger and better. And a man is not half a man unless a woman helps him to be! One of the mischiefs of camp life is that women are removed from it. The men may know what it is that lets them down to a lower state of feeling, or what that subtle influence was that kept them up to a higher state of refinement, but is the absence of woman in the one case, as it was the presence of woman in the other. Woman is a light which God has set before man to show him which way to go, and blessed is he who has sense enough to follow it!—[H. W. Beecher.

STONEWALL JACKSON.—The Marysville Appeal has the following biographiesl sketch of Stonewall Jackson: Thomas Jonathan Jackson was born in Harrison County, Virginia, in January, 1824 He was descended from a mixture of Scotch and Irish blood; and his parents were neither wealthy nor possessed of that aristocratic position which is wont to be the boast of the leading families of the Old Dominion. Still the influence of the family was sufficient to enable them to secure for him admission to the Military Academy at West Point to gain which it is stated that he traveled on foot from Clarksburg to Washington. He entered at West Point in 1842, and was not a very bright scholar. He graduated with the class of 1846 which included McClellan, Foster, Stoneman, Sturges, Couch, Reno, Seymour, and many others of great or less notoriety. He passed through the campaign in Mexico, in which he rose to the brevet rank of Major. He retired from the army in 1852, and became a Professor of Mathematics in the Military College of Virginia. He was a theoretical Unionist up to the time Virginia seceded.

The undersigned merchants, mechanics and traders at Bannock City, Boise county, in order to effectually check the continual decrease in the value of the dust of this locality, which depreciation is owing to the importation of dust from Florence, Oyhee and other localities and mixing it with Boise dust, agree that after Monday the 24th day of Jan. next, we will not take gold dust at more than its actual value; and that all dust must be thoroughly cleaned.

Boise dust at - - - - $15 per oz.
Florence " - - - - 12 " "
Oyhee " - - - - 10 " "

and dust from other places at whatever it proves to be worth by assay.

Newhouse & Sheeline,	Ben Cohen,
A. Hinman & Co.,	C. B. Jacquemin
I. D Huntoon,	Carter & Co.
Ingersoll, Adams & Co.,	Friendly & Fox,
Weil & Redlic,	G. P. Newell,
E. Pollock & Co.,	M. Seidner,
J. W. Wood & Co.,	W. M. Kennedy,
Rosenbaum & Cohen,	Miller & Bernsteil,
F. Strouse & Bro.	J B. Atkins & Co.,
R. Tregaskis,	W. E. Irvin,
Smith & Sterns,	B. Clayton,
Robertson & Co.,	J. C. Hildreth,
Elkins & Sailing,	Oser & Smith,
Phillips & Thornbury,	J. McAuliff,
Schwrtz, Bro. & Co.,	E. P. Fitzgerald,
O. W. Peterson & Co.	M. Levy,
G. C. Merritt,	Isaac Deitz,
M. Morganstine,	Brand & Haas,
Hefron & Pitts,	H. McFarland,
F. C. Poujade,	D. C. Patterson & Co.
J. A. Davison,	C. Klane,
McCarver & Clark;	I. M. Owen,
W. Townsend,	Sidney Roberts,
C. Jacobs & Co:,	Geo. Stilts & Co.
Robie & Bush,	Drussell & Markham,
Rossi & Robie,	N. N. Saylor,
M. Rosenberg,	W. T. Voorhies,
Pinney & Stearns,	A. B. Moore & Co.,
Phillips & Co.,	Higby & Co.;
H. Myres,	N. S. Parker,
Armes & Billups,	T. Wilson & Co.
Wells, Fargo & Co.;	M. J. Rosenthal,
P. Frankel	C. Blaszcowen,
W. Ganey,	F. Kramer & Co.,
G. W. Simpson,	Pruger & Bro.,
C. H. Warren,	Bonnell & Miller,
Lazarus & Bro.,	D. Lindner,
J. H. Harris,	Kemptner & Platchak,

Bannock City, January 12th, 1864.

FOLLIES OF GREAT MEN.—Tycho Brahe the astronomer, changed color and his legs shook under him on meeting with a hare or a fox. Dr. Johnson wouldn't enter a room with his left foot foremost; if by mistake it did get in first, he would step back and place his right foot foremost. Julius Cæsar was always convulsed by the sound of thunder, and always wanted to get into a cellar, or under ground, to escape the dreadful noise. To Queen Elizabeth the simple word "death" was full of horrors. Even Tallyrand trembled and changed color at hearing the word pronounced. Marshall Saxe, who met and overthrew opposing armies, fled and screamed at the sight of a cat. Peter the Great could never be persuaded to cross a bridge; and though he tried to master the terror he failed to do so. Whenever he set foot on one, he would shriek out in distress and agony. Byron would never help any one to salt at the table, nor would he be helped himself. If any of the article happened to be spilled on the table, he would jump up and leave his meal unfinished.

JIM'S

DRINKING

SALOON,

GRANITE STREET NEXT TO HIGBY & BLEDSOE, PLACERVILLE.

WINES, Liquors and Cigars, of the best quality, direct from San Francisco always on hands. Also, Lager Beer.
1tf JAMES HART.

BLOCK MILLER & CO.
DALLES.

IMPORTERS and wholesale dealers in all kinds of Dry Goods, Clothing, Boots and Shoes. HARDWARE AND MINER'S TOOLS.
Also, a good assortment of all kinds of GROCERIES, PROVISIONS, LIQUORS, &c.. Constantly kept on hand. 1tf

J. W. STEARNS. J. A. PINNEY.
Pinney & Stearns.
DEALERS IN GENERAL MERCHANDISE.
DRY GOODS, CLOTHING, BOOTS, &c.
Also, Groceries, Hardware, etc etc.
Together with a fine lot of Liquors such as
BRANDIES, WINES AND WHISKEY.
Bannock City Sept. 25th, 1863.—1m3

HIGBY & CO.
CORN'R MONTGOMERY and WALL STS., OPPOSITE INTERNATIONAL HOTEL.
Wholesale and Retail Dealers in Groceries, Provisions, Mining Tools, Hardware, Clothing, Wines, Liquors, Boots and Shoes, Amunition, Hats, Gloves, Stationery, Ladies' and Children's Shoes.
N. B. The entire stock has been selected with great care, in San Francisco, by an experienced man, expressly for this market.
Bannock City, September 29th, 1863. 1tf

J. A. DAVISON
TAILOR.

WOULD inform the citizens of Bannock, that he has located himself on Wall St. where he intends doing a general business in his line, and will shortly receive a fresh supply of goods, suitable for the fall and winter trade. Consisting of fine Fancy and Black Doe Skin, Fancy Velvet Vestings, heavy winter Overcoatings. Also, a fine lot of Buck Skins suitable for Foxing Pants.
Bannock City, Sept. 26th, 1863.—1m3

GLOBE HOTEL.

DALLES CITY - - - - - - - OREGON.
THIS Hotel is newly opened and furnished, and the beds furnished with Spring Mattrasses, while the table is supplied with the best the market affords. Every attention will be paid to the Comfort of guests.

Board per week, with room : : : :	$10 00
" " without room : : : :	7 00
Single Meals, " " " " " " " "	50
Lodging, " " " " " " " " "	50

1m3 JOHN EPPINGER, Proprietor.

Z. F. MOODY & CO.

WHOLESALE DEALERS IN
DRY GOODS, CLOTHING, BOOTS AND SHOES, GROCERIES, PROVISIONS, MINING TOOLS, etc., etc.
Umatilla Oregon.
1m3

March to the Music!

YE HAWK-EYES, SUCKERS, PUKES, WOLVERINES,
AND THE
PUBLIC GENERALLY,

ARE INVITED to call at the Auction and Commission Store, where you will find the best assortment of Fancy and Staple Groceries, Wines, Liquors, Provisions and Miners' Tools, on the
MOST REASONABLE TERMS,
for the Dust, which is much needed by the subscriber, at the Hawk-Eye Store, No. 313 Wall Street. H. C. ANDERSON.
Bannock City, Nov. 3d, 1863. nd-2m

BROWN BROS. & CO.,
DALLES AND WALLA WALLA,
Wholesale and retail dealers in,
Dry Goods, Clothing, Groceries.
A large supply of Packers' and miners'
OUTFITTING GOODS
Always on hand at the above-named places, which we will sell on the BEST TERMS. oct20-tf

Keep Cool.

TO SALOON AND RESTAURANT KEEPERS
THE undersigned would inform those interested, he is putting up 200 tons of ICE, and will be able to furnish them all at a very low figure.
10 4w pd A. S GOODRICH.
Bannock City, Nov. 28, '6"

Umatilla House!

DALLES.....OREGON.
D. Handley & N. B. Sinnott, Proprietors

House kept open all Night.
Fire Proof Safe in the office for deposit of valuables
Baggage taken to the house free of charge.
November 3d, 1863.—tf

Orleans Hotel.

Front street, Umatilla, Oregon.
THIS Hotel is now open for the reception of gentlemen, and will be conducted in all its departments as a First Class Hotel.
MAY & FALLING.
Umatilla Sept. 1st, 1863.—1m3

Frank's Hotel.

WALLA WALLA, WASHINGTON TERRITORY.
THE proprietor of this Hotel takes pleasure in announcing to his friends and the public generally that he is now prepared to accommodate them with the very best Board, Lodgings, Rooms, &c. that can be found in the place. The Bar is always furnished with the choicest
WINES AND LIQUORS OF ALL KINDS.
1tf FRANK CARPIED.

J. M. LEAZER.
Umatilla, Front Street, two doors above Wood's.
DEALERS in Stoves and Tin-ware. Orders from the interior filled at short notice.—Keep constantly on hand all kinds of Cooking and Box-stoves, and all kinds of cooking utensils
Sept. 29th, 1863.—1m3

Rooks and Stationery

City Rook Store, Walla Walla, W. T.,
E. E. KELLY, PROPRIETOR,
DEALER in Blank Books, School Books and Stationery of every description. A large assortment of novels, and the latest papers and magazines always on hand. Orders from the mining towns promptly attended to.
oct20-tf E. E. KELLY.

Taylor's Hotel.

LE GRAND T.
HAVING removed my hotel from Umatilla to Le Grand and fitted up with especial reference to the comfort and convenience of the traveling public, I shall be happy to meet old friends and make newones, at my new house, which I shall endeavor to make such to them also, during their stay under my roof.
W. B. TAY
Le Grand, Dec. 1, 1863. tf

Payette Ferry Express Ranch.
SITUATED at the old crossing and Payette Ferry, on the north side of Payette river, on the route from the Boise mines to Walla Walla—Thirty-five miles from Placerville, thirty miles from Moore's Ferry, fifty miles from Old's Ferry and twenty-five miles from Boise City.
This house will continue to keep open for the ACCOMMODATION of the Traveling PUBLIC.
GRASS GRAIN & HAY
in abundance. D. G. DARGIN, Propt.
December 12th, 1863. 12m6

Willow Creek House

AT THE crossing of Dry Willow Creek on Old's road, thirty-three miles from Old's Ferry and fifty miles from Placerville. Plenty of
HAY And GRAIN
for animals constantly on hand at reasonable rates.
The Proprietor of this house takes pleasure in announcing to their many friends and the public generally that they are prepared to give as good Board as the country affords.
W. G. HILL & SOL. NEWCOMER, Props.
December, 12th, 1863. 12m7

FOR SALE.
THE undersigned will sell cheap, for cash, the following interests in the rich gold and silver leads in the South Boise Quartz mines:

200	feet in	Elipse,	200	feet in	Old Dominion,
200	"	Jeff Davis,	200	"	Wide West,
200	"	Metropolitan,	200	"	Emigrant Girl,
200	"	Phoenix,	200	"	Minnesota,
200	"	Pirate,	200	"	Burnt Pilot,
200	"	Ada Elmore,	200	"	New York,
25	"	Golden Star,	50	"	"
25	"	" Eagle,	25	"	Silver [illegible]ar,
200	"	Idaho,			

Persons desirous of investing in quartz will do well to call on the undersigned before purchasing.
DANIEL M'LAUGHLIN.
Bannock City, Dec. 18, 1863. 12tf

$100,00 REWARD!

LOST, on or about the 22d inst., a square package containing $864.00 in Treasury Notes, in packages of 5's, 10's and 20's.
The above reward will be paid to any person who will deliver the same at THIS OFFICE.
10 tf Bannock City, Nov., 28

Marshall House.
LOWER END MAIN STREET,
Bannock City.
The undersigned having opened a first-class
SALOON,
Is now prepared to serve his friends and patrons with choice *Wines, Liquors and Cigars.*
11-tf J. R. MARSHALL.

ROMER & COLLEN.
BANNOCK MARKET.
IS SITUATED ON MAIN STREET,
bet. the
Florence Saloon and Idaho Restaurant.
Every thing in the meat line,
From a Whole Beef to a Sausage!
CONSTANTLY ON HAND!
AS CHEAP AS ANYBODY SELLS!
AND AS GOOD AS ANYBODY KEEPS!
Bannock City, Oct. 26th, 1863. [n5:tf

Circulating Library;

H. M. Swinnerton & Co.,
—DEALERS IN—
STATIONERY, SCHOOL BOOKS
&c., &c., &c.
All of which, they will sell at low rates for cash.
Opposite White's Exchange, Main St., Bannock.
no8tf.

IF you want Fine Old Henesy Brandy call at the Idaho Brewery and Bakery.

Empire Bakery,

SALOON, AND PUBLIC HALL.
NORTH-EAST Corner of Plaza, Placerville, Boise County Idaho Territory.
THOS. STRINGAM, Proprietor.
Placerville January 21st, 1864. 1m3

International Hotel,

PLACERVILLE.
EXCELLENT accommodations for families or single gentlemen. The table is always supplied with the best in market. Rooms neat, clean and commodious. BURTHEY & BRUNN.
Placerville, Oct. 8th, 1863. 3m3

Peff's Bakery.

M. PEFFERLEE would respectfully announce to the citizens of Bannock that he is now prepared to furnish Bread, Pies, cakes &c., in large or small quantities. Orders for WEDDING OR CHRISTMAS CAKES promptly attended to. Peff keeps the best Cider and Lager Beer.
Bannock City, Sept. 26th, 1863.—1m3

FRANK CAMPBELL. MICHAEL SPANN.
Idaho Brewery
—And—
BAKERY.
OPPOSITE Wells, Fargo & Co.'s Express office Main Street, Bannock City, have on hand and constantly receiving from San Francisco the finest brands of Wines and Liquors. Also, Bread, Pies and Lager Beer always on hand. Give us a call and see for yourself. CAMPBELL & SPANN.
Bannock City, Oct. 8th, 1863. 3tf

S. LAURIN & CO.
BANNOCK CITY, I. T.
WHOLESALE and RETAIL DEALERS in Fine Brandies, Wines and Liquors, Respectfully inform the public that they have on hand the largest stock of Wines and Liquors in Idaho Territory, from the well known House of Bomiston, Wilson & Co., Portland, Oregon. 3m3

"Empire Market,"
—AND—
"IDAHO MARKET."
MEATS of all kinds, on hand at all times. AND AT MARKET PRICES.
Main Street Bannock.
DRUSSEL, MARKAM & CO.
October 5th, 1863. 3tf

G. H. CHICK & CO. Bannock City. | Chick & Morrison, Centerville. | G. H. CHICK & CO Placerville.
Stoves and Tin-ware.
WE are now prepared to fill all orders in our line with dispatch, and solicit a share of the public patronage.
☞ Jobbing of all kinds done at short notice.
October 8th, 1863. 3m3

S. W. CHILDS D. W. DANIELS.
CHILDS & DANIELS.
YREKA LIVERY
—AND—
FEED STABLE.
[Formerly the Olympia.]
HORSES BOUGHT AND SOLD EVERY DAY
☞ Also, Boarded by the Day or Week. ☜
GRANITE ST. PLACERVILLE
October 8th, 1863. 3m3

A. WYATT. E. A. HALEY
JACK & CO.
CALIFORNIA LIVERY, FEED AND SALE Stable, Grnite St., Placerville. Comfortable
STABLING.
Stock received and delivered Tuesdays and Saturdays for the Mammoth
RANCH.
Placerville, Oct. 8th, 1863. 3m3

COUNTY HOSPITAL.

TERRITORY OF IDAHO, COUNTY OF BOISE.

NOTICE is hereby given that a County Hospital, for the care and medical attention of the indigent sick, has been provided by the Board of County Commissioners of said county. Said Hospital is situated between Wall and Commercial streets, above Main, in Bannock City. All indigent sick persons who desire admission to the Hospital, must make and file an affidavit with the County Auditor, that he has no means, and no friends from whom he can obtain assistance.

No bills will hereafter be allowed for care or medical attention to indigent sick outside of the hospital, unless a special contract be made with one of the Commissioners.

J. C. SMITH, Chairman Board of Com.
J. W. BROWN, Deputy Clerk.
Bannock, November 9th, 1963. n7-tf

Rockfellow's Half Way House,
(at the Rockfellow Quartz Lode.)
EQUI-DISTANT FROM WALLA WALLA AND BOISE
THIS HOUSE will be open for the accommodation of the traveling public on and after November 1st. Everything for the
COMFORT OF MAN AND BEAST
will be found on the premises. A good road is opened by way of this place, without addition to the distance.
n9tf W. H. ROCKFELLOW, Proprietor

Note Found.
M. A. LIND will find a note of hand, drawn in his favor, by calling at this office, and paying for this advertisement. [n5

IF You want some Port or Old Tom Gin, call at the IDAHO BREWERY and BAKERY.

IF You want Fine Old Burbon Whisky you can find it at the Idaho Brewery and Bakery.