NOT A VAST CEMETERY.

Correction by a Statistician of a Common Belief About the World's Dead.

California Large Enough to Contain All the Dead for Six Thousand Years.

Figures Which will Surprise You--The Size of a City Which Would Give Every Family a Lot.

Again and again this old poetic fancy of the earth as one great cemetery buried several times deep with dead men and women and children, has been refuted by figures, says Dr. W. C. Prime in the New York Journal of Commerce. But great is error and will prevail, unless the truth be well and steadily upheld. The population of the earth is now about 1,500,000,000. Suppose the human race to have existed for 6,000 years, and to have been always as great as now. In 6,000 years you have sixty centuries. In each century you may count three generations of mankind, or 180 generations in all, each being a generation of 1,500,000,000. Now lay out a cemetery for one generation. It will be a huge estimate to give to every man, woman and child a grave five feet by two, or ten square feet. You want for your graveyard, then, 15,000,000,000 square feet of ground. A square mile contains something less than 28,000,000 square feet. You want, then, a graveyard not fifty-five miles long by ten wide for your whole generation. Now multiply this by 180 and you have your burial ground for 6,000 years of mankind. That is, a strip of land 1,800 miles long by fifty-five miles will be ample. In other words, a cemetery containing 100,000 square miles would be sufficient for the entire human race to lie side by side. The estimate which I have given you of continuous population is obviously enormously large. The estimate of the size of each grave is very large. A strictly correct estimate would reduce the size of the required cemetery more than one-half. But enormous as it is, you could lay out your burial ground for all men who have lived on earth, so that they could lie side by side, in Arizona or in California, or you could lay it out in Texas large enough to accommodate the race of 6,000 years past, and also the race for 6,000 years yet to come, all sleeping in the soil of that one state of than union. But some one says the race of mat has been on earth 100,000 years. This is a pure imagination, and there is not, so far as I know, a fact on which to rest it. But suppose it is true, and suppose the population always what it now is. You have provided for 6,000 years of it. You want nearly 17 times as large a cemetery for the generations of a thousand centuries. That is, you want 1,700,000 square miles in it Lay it out whenever you please, 1,700 miles long by 1,000 wide. It is but a part of the United States. And so enormously large have been the rough estimates thus far used, it is safe to say that if the human race has been in existence 100,000 years, a separate grave could be provided for every individual of the race within a part of the United States east of the Mississippi river. The fact is, my friend, you need but a very small piece of the earth's surface to lie down in. And you occupy but a very small space while you live. Stand in a corner, with your back to the wall, and your shoulder against the tide wall. Put a book against the wall outside your other shoulder, close to it. Let some one hold a stick across in front of your body. So you will measure how much room you occupy when standing up in a crowded assembly. You are a large man if you require two sqnare feet. The average requirement of a generation of men, women and children is not one square foot and a half. More than 18,000,000 persons can stand on a square mile of surface Now see how small a crowd after all would be an assembly of all men oot of all ages and kindreds and peoples, were they gathered together. Carry your arithmetic still further. You laid out a cemetery for the 1,500,000,000 of mankind now living. Build a city for them to dwell in. Average families at five persons to a family, and give each family a house and lot 20 feet by 100. Your cemetery gave five persons 50 square feet for graves. Their city lot is forty times as large. Your city must therefore be forty times as large as your cemetery. Add 20 per cent. for good streets. I will not save you or your school going child the trouble of "doing the figures." Impress the truth on your mind by three minutes' work with pencil and paper, that the whole living human race could be gathered in a city so small in comparison with what you have imagined. And now remember that all the estimates on which we have gone are too large. This city lot might as well be 20x50. People live in flats without back yards, and in stories one above another. Your city modeled after the latest fashions in cities need not be a quarter the size our estimates have made it. When you have built your city, inquire and be surprised to find the vast space for garden, fields, and forests you have left accessible to it, whence could come all the necessities and luxuries of civilized life.

What Do You Know

About the Superb Pullman Dining Cars which have been recently placed in service via the Union Pacific, "The Overland Route?" They run on the fast Vestibule Express between Council Bluffs and Denver and on "The Limited Fast Mail" between Council Bluffs and Portland.

If you want to get a sumptuous meal while traveling, don't fail to take the train on which these Diners run. Meals, which cannot be surpassed in any of the first-class hotels in the country, are served in these cars at 75c. each.

Herculean Strength

Continually on the strain, or overtaxed at intervals, is far less desirable than ordinary vigor perpetuated by rational diet and exercise, and abstention from excess. Professional pugilists and athletes rarely attain old age. As ordinary vigor may be retained by a wise regard for sanitary living, and for the protection against disease which timely and judicious medication affords, so also it may be lost through prolonged sedentary labor, uninterrupted mental strain, and foolish eating and drinking, the chief and most immediate sequence of all four being dyspepsia. For this condition thus, or in any way induced, and for its offspring, a failure of muscular and nerve power, Hostetters Stomach Bitters is the primest and most genial of remedies. Not only indigestion, but loss of flesh, appetite and sleep are remedied by it. Incipient malaria and rheumatism are banished, and kidney, bowel and liver complaint removed by it.

What on Earth

is the reason people will not, cannot, or do not see any difference in cheap nostrums put up by Cheap John houses or irresponsible parties at enormous profits, rather than take a medicine of world-wide reputation and one that is giving universal satisfaction at equal price? No medicine in the world is giving such unparalleled satisfaction for purifying the blood as Beggs' Blood Purifier and Blood Maker, and every bottle that does not do its work will cost you nothing. For sale by all druggists, R. S. Hale & Co., wholesale and retail agents.

Cure for Piles.

Itching piles are known by moisture like perspiration, producing a very disagreeable itching after getting warm. This form, as well as blind, bleeding and protruding piles, yield at once to the aplication of Dr. Bosanko's Pile Remedy, which acts directly upon the parts affeted, absorbing the tumors, allaying thecintense itching and effecting a permanent cure. Fifty cents. Address The Dr. Bosanko Medicine company, Piqua, Ohio. Sold by R. S. Hale & Co.

The Verdict Unanimous.

W. D. Sult, druggist, Bippus, Ind., testifies: "I can recommend Electric Bitters as the very best remedy. Every bottle sold has given relief in every case. One man took six bottles and was cured of rheumatism of ten years' standing." Abraham Hare, druggist, Belleville, Ohio, affirms: "The best selling medicine I have ever handled in my twenty years' experience, is Electric Bitters." Thousands of others have added their testimony, so that the verdict is unanimous that Electric Bitters do cure all diseases of the liver, kidneys or blood. Only half a dollar a bottle at R. S. Hale & Co.'s drug store.

Begg's Cherry Cough Syrup.

Is giving splendid satisfaction to the trade and the sales are positively marvelous, which can be accounted for in no other way except that it is without doubt the best on the market. Ask for and be sure you get the genuine. We keep it. R. S. Hale & Co., Drugists.

There was a terrible epidemic of dysentery and bloody flux in Pope county, Illinois, last summer. As many as five deaths occurred in one day. Messrs. Walter Brothers, of Waltersburg, sold over 380 bottles of Colic, Cholera and Diarrhœa Remedy during this epidemic, and say they never heard of its failing in any case when the directions were followed. It was the only medicine used that did cure the worst cases. Many persons were cured by it after the doctors had given them up. Twenty-five and 50-cent bottles for sale by H. M. Parchen & Co.

CONDENSED RAILWAY TIME TABLE

Montana Central.

DEPART.

St. Paul, Atlantic ex., St. Paul and east.	11:35 a. m
Montana, Pacific ex., Butte and south..	4:00 p. m
Helena and Butte ex., Butte and south.	8:15 a. m
Marysville ex	4:10 p. m
Marysville ex	7:30 a. m

ARRIVE.

St. Paul, Atlantic ex., Butte and south..	11:25 a. m
Montana, Pacific ex., St. Paul and east.	3:45 p. m
Helena and Butte ex., Butte and south.	6:30 p. m
Marysville ex	10:00 a. m
Marysville ex	6:40 p. m

Northern Pacific.

ARRIVE.

Through westbound	2:50 p. m
Through eastbound	7:20 p. m
Butte, Missoula and Helena ex	12:20 p. m
Marysville passenger	8:40 a. m
Rimini accom., Mon., Wed. and Fri	5:00 p. m
Wickes and Boulder passenger	10:25 a. m
Marysville accommodation	3:00 p. m

DEPART.

Through westbound	3:10 p. m
Through eastbound	7:35 p. m
Helena, Missoula and Butte ex	7:45 a. m
Marysville passenger	4:00 p. m
Rimini accom., Mon. Wed. and Fri	8:15 a. m
Wickes and Boulder passenger	3:55 p. m
Marysville accommodation	9:40 a. m

Union Pacific.

DEPART.

For all points east, south and west, via Montana Central and Butte	4:00 p. m
Via Northern Pacific and Garrison	3:15 p. m

ARRIVE.

From all points east, south and west, via Butte and Montana Central	11:25 a. m
Via Garrison and Northern Pacific	12:20 p. m

PROFESSIONAL CARDS.

T. E. CRUTCHER.
Attorney-at-Law.
Gold Block. Mining and Commercial Law.

A. A. LATHROP.
Lawyer.
Masonic Block, Helena, Mont.

JARRETT T. RICHARDS.
Attorney-at-Law.
Room 1, Bailey Building, Helena, Montana. Postoffice Box 742.

ED. L. FLAHERTY,
Undertaker.
198 Warren Street. Telephone 210.

ASHBURN K. BARBOUR,
Attorney and Counsellor at Law.
Masonic Temple, Helena, Mont.

MASSENA BULLARD.
Attorney and Counsellor at Law.
Will practice in all courts of record in the territory. Office in Gold Block, Helena, Mont.

W. LONG.
Veterinary Surgeon.
Office—Breck & Fisher's Stables, Lower Main street. Telephone 120.

WOOLFOLK & BROWNING,
Attorney-at-Law.
204 Dearborn street, Chicago, Ill.
ALEX. M. WOOLFOLK, ORANVILLE W. BROWNING

DR. M. ROCKMAN.
Physician, Surgeon, Accoucher, Oculist and Aurist.
Member of San Francisco Medical Society, also Nevada State Medical Society.
Office—Parchen's drug store, corner above Main and Broadway. Entrance on Broadway and Jackson, Helena, Montana. Consultations in German and English.

A. H. NELSON,
Attorney-at-Law.
Late Examiner of Mineral and Railroad Land Cases in the General Land Office, Washington, D. C.
Seven years' experience in the General Land Office. Practices in all the State and United States Supreme Courts. Land and Mining Law a Specialty. Room 16, Bailey Block, Helena.

STEPHENS' PERFECT ABSTRACT OF TITLES
TO ALL
REAL ESTATE
In Missoula County.
There are no more accurate abstracts in the United States.
Purchasers of real estate in Missoula county, look to your titles.
Should your title fail, you will wish, when too late, you had obtained and abstract of title before you purchased
HARRY A. STEPHENS, Abstractor.
Rooms 1, 2 and 3, Eddy Block, Missoula, Mont.

FRENCH LESSONS.
By PROF. A. DANSE.
Of the Western University of Pennsylvania and the Pittsburg Female College.
Apply 127 Howie Street.

GREAT ENGLISH REMEDY,
MURRAY'S SPECIFIC.

Before Taking. After Taking

A guaranteed cure for all nervous diseases, such as WEAK MEMORY, LOSS OF BRAIN POWER, Hysteria, Headache PAIN IN THE BACK, NERVOUS PROSTRATION, WAKEFULNESS, LEUCORRHŒA, UNIVERSAL LASSITUDE, SEMINAL WEAKNESS, Impotency and general loss of power of the Generative Organs, in either sex, caused by indiscretion or over-exertion, and which ultimately lead to PREMATURE OLD AGE, INSANITY and CONSUMPTION. $1 a box or six boxes for $5. Sent by mail on receipt of price. Full particulars in pamphlet sent free to every applicant.

WE GUARANTEE SIX BOXES to cure any case. For every $5 order received, we send six boxes, with a written guarantee to refund the money if our Specific does not effect a cure.

Address all communications to the Sole Manufacturers. THE MURRAR MEDICINE CO., Kansas City, Mo.

For sale in Helena by H. M. Parchen & Co.

GOLD SEAL
RUBBER
GOODS.
Oil Clothing & Horse Covers.
Snag-Proof Rubber Boots.
MANUFACTURED BY
GOODYEAR RUBBER CO'Y.
St. Paul Branch, 131 East Third Street. JAMES SUYDAM, Agent.
Minneapolis Branch, 201 Nicolet Avenue. JOHN J. TALLMADGE, Agent.
For sale by all dealers. Ask for them and take no others.
W. F. FRANKLIN, Resident Salesman, Helena.

LOTTERY
—OF THE—
Beneficencia Publica.
Established in 1887
—BY THE—
MEXICAN NATIONAL GOVERNMENT.
Operated Under a Twenty-Years' Contrac
—BY THE—
Mexican International Improvement Co.
Grand Monthly Drawings held in the Moresque Pavillion in the Alameda Park, City of Mexico, and publicly conducted by Government Officials appointed for the purpose by the Secretaries of the Interior and the Treasury.
The monthly Four Dollar Drawing will be held
—IN THE—
City of Mexico,
Thursday, January 9, 1890.
CAPITAL PRIZE, $60,000!
80,000 Tickets at $4, $320,000.
2,276 Prizes, Amounting to $178,560.
Price of Tickets, American Money.
Wholes, $4; Halves, $2; Quarters, $1.
LIST OF PRIZES.

1 Capital Prize of	$60,000	is	$60,000
1 Capital Prize of	20,000	is	20,000
1 Capital Prize of	10,000	is	10,000
1 Grand Prize of	2,000	is	2,000
3 Prizes of	1,000	are	3,000
6 Prizes of	500	"	3,000
20 Prizes of	200	"	4,000
100 Prizes of	100	"	10,000
340 Prizes of	50	"	17,000
554 Prizes of	20	"	11,080

APPROXIMATION PRIZES.

150	Prizes of $60, approximation to $60,000 Prize	$ 9,000
150	Prizes of $50, approximation to $20,000 Prize	7,500
150	Prizes of $40, approximation to $10,000 Prize	6,000
769	Terminals of $20, decided by $60,000 Prize	15,000
2276		$178,560

All prizes sold in the United States full paid in United States currency.
SPECIAL FEATURES.
By terms of contract the company must deposit the sum of all prizes included in the scheme before selling a single ticket, and receive the following official permit:
CERTIFICATE.—I hereby certify that the London Bank of Mexico and South America has on special deposit the necessary funds to guarantee the payment of all prizes drawn by the Loteria de la Beneficencia Publica.
R. RODRIGUES RIVERA, Intervenor.
Further, the company is required to distribute fifty-six per cent of the value of all the tickets in prizes, a larger proportion than is given by any other lottery.
All drawings under the personal supervision and management of Dr. Ramon Rodriguez Rivera, Interventor appointed by the government.
List of prizes will be sent, immediately after the drawing to all correspondents, or on application.
Prizes may be deposited for collection with any Bank or Express company, or sent through them or by mail (registered to this office.)
For full particulars address U. BASSETTI, Apartado 736 City of Mexico Mexico.

T. P. FULLER,
Opposite First National Bank.
GOODYEAR'S GOLD SEAL BELTING
GOODYEAR'S OAK TANNED BELTING
GOODYEAR'S GOLD SEAL Rubber Hose

CONFORMS TO SHAPE OF FOOT
H. R. GAMER, HELENA, MONT.

FOR MEN ONLY!
A POSITIVE CURE For LOST or FAILING MANHOOD; General and NERVOUS DEBILITY; Weakness of Body and Mind; Effects of Errors or Excesses in Old or Young. Robust, Noble MANHOOD fully Restored. How to Enlarge and Strengthen WEAK, UNDEVELOPED ORGANS & PARTS of BODY. Absolutely unfailing HOME TREATMENT—Benefits in a day. Men testify from 47 States, Territories, and Foreign Countries. You can write them. Book, full explanation, and proofs mailed (sealed) free. Address ERIE MEDICAL Co BUFFALO, N. Y

THE NEW YORK DRY GOODS STORE
For the Holidays.
REVOLUTIONARY MOVEMENT IN PRICES!

Our patronage the past week was the largest in the history of our establishment. A rich harvest is in store for our customers this week. A reduction sale with us is a public benefit. Helena and the surrounding country is aroused, as they know we do not do things by halves. The New York store has the solitary reputation in Helena of living up to the very letter of its advertisements Mail orders reach us from far and near in such quantities that we are obliged to employ additional help for this portion of our trade alone. The ladies are pleased and gratified to have an establishment of such magnitude in their midst. New York Prices have quarantined the use of eastern catalogues.

Reductions in Cloth Newmarkets and Ulsterettes.

GRAND Reduction Sale —OF— ULSTERETTES!

See our Ulsterettes, Splendid Value,	$5
See our Ulsterettes, Splendid Value,	7.40
See our Ulsterettes, Splendid Value,	8.70
See our Ulsterettes, Splendid Value,	10
See our Newmarkets, Splendid Value,	12
See our Newmarkets, Splendid Value,	14.50
See our Newmarkets, Splendid Value,	16
See our Newmarkets, Splendid Value,	19
See our Newmarkets, Splendid Value,	21.50
See our Newmarkets, Splendid Value,	23
See our Newmarkets, Splendid Value,	26

GRAND Reduction Sale —OF— NEWMARKETS.

We are very confident as to the merits o our Newmarkets and Ulsteretts, the shapes being exquisite, the value unsurpassed and of the highest order of novelties. We will cheerfully send garments upon receipt of orders, allowing examination as to style and comparison as to quality. The public verdict is always in our favor. It cannot be otherwise with our superior facilities.

Scarlet, Camel's Hair and Lamb's Wool Underwear.

Remember, Ladies, mid-winter in all its terrors is upon us. Save doctors' bills and have yourselves warmly clad. We carry every quality, grade and color, and are selling these goods cheaper than they can be purchased at any retail establishment short of Chicago.

Tea Gowns and French Flannel Wrappers.

REDUCTION —in— Tea Gowns.

Tea Gowns, $25.00, Reduced from	$35.00
Tea Gowns, 20.00, Reduced from	28.00
Tea Gowns, 16.00, Reduced from	22.50
Tea Gowns, 12.00, Reduced from	16.50
Flannel Wrappers, $8.00, Reduced from	$12.00
Flannel Wrappers, 6.00, Reduced from	9.00
Flannel Wrappers, 5.00, Reduced from	7.50

REDUCTION —in— Flannel Wrappers.

You will realize the Importance of our Bonanza Sale during the cold weather and not neglect this department.

Out of Town orders Promptly Filled. Satisfaction Guaranteed.
NEW YORK DRY GOODS STORE,
Corner Bridge and Main Streets, Helena, Montana.

WENDEL & STEIN'S
San Francisco Bakery.
Formerly M. Reinig's.
First-Class Quality of
Bread, Pies and Cakes
Promptly Delivered
To any part of the city on short notice. No. 105 Bridge street, one door above M. Reinig's. Branch Store at Cor. Sixth Avenue and Park.

H. TONN,
3 North Main Street, Helena.
MILLINERY.
Beaver Hats, Best Qualities, $2.50.
Trimmed Hats and Bonnets reduced to COST.
Untrimmed Felt Hats, 50c., 75c. and $1.
HOLIDAY GOODS.
New and Desirable Presents for Old and Young. Everybody should see this Elegant Array of Christmas Gifts.
Toys, Books, Novelties, Fancy Goods, Notions. Etc.,
Which we are prepared to furnish at Prices Lower than the Lowest.
H. TONN.
Agents for Batterick's Patterns and Hall's Bazar Forms.

MONEY TO LOAN AT
10 Pr Cent.
For 3 to 5 Years Time on Real Estate in the City of Helena.
No Commissions. Interest payable semi-annually.
MONEY FOR BUILDING PURPOSES.
When titles are perfect there will be no delay in closing Loan.
Also money to loan on improved Farms and Ranches in Montana.
H. B. PALMER, Gold Block. Room 12, Second Floor

NOTICE OF STOCKHOLDERS MEETING.—The annual election of directors of the First National Bank of Helena, Montana, will take place at said bank the second Tuesday in January, 1890.
E. W. KNIGHT, Cashier.

TO THE PUBLIC!
HOW TO MAKE MONEY

A sure way is to BUY GOODS when they are CHEAP, and thereby avoid HIGH PRICES.

I have purchased $18,000 worth of DRY GOODS and FANCY GOODS at a Great Sacrifice. This stock will be sold upon the same basis upon which they were purchased, Bear in mind that we have in stock the following Goods:

7,000 Yards Embroidery.	150 Dozen Night Gowns.	175 Dozen Ladies' and Children's Wool Hose.
200 Corsets.	35 Dozen Silk Underwear.	62 Dozen Ladies' Silk Hose.
200 Dozen Chemise.	136 Dozen Woolen and Cotton Underwear.	10,000 Yards Ribbon.
200 Dozen Drawers.		

Remember We have a Stock of Clothing and Furnishing Goods. This entire stock must be closed out within the next Sixty Days REGARDLESS OF PRICE.

THOMPSON BLOCK,
Opposite Grand Central hotel.
M. LISSNER

ESTABLISHED IN 1865. REBUILT IN 1887.
INTERNATIONAL HOTEL.
The Largest Leading Hotel. Has the very best accommodations in the city.
Rates reduced; $2 per day and upwards, according to location of rooms.
M. LISSNER, Proprietor.

SAND COULEE COAL!
Use it because it is the Best and Cheapest; will Last Longer and Gives far Better Heat than any other Coal in the market.
E. C. PERRET, Agent. Room 19, Bailey Block. Telephone 173
FOR SALE BY
TUOHY-McKENZIE FUEL COMPANY.
MARTIN & DEAN.
DON DAVENPORT COAL COMPANY.
HELENA LUMBER COMPAN

STOLEN—FROM MY BARN AT PIPESTONE, the night of the 15th inst., horse, saddle and bridle. Black horse, star in forehead, one and possibly both hind ankles white, collar marked, tail trimmed to a switch, shod, branded on left stifle TL. Saddle, heavy fair leather, made by A. J. Davidson, Helena; near stirrup worn narrow; one of the ladagos is torn straight from the buckle hole to the side and stitched with a buckskin string; double cinch, but used with an 10-inch single when stolen; snaffle bit bridle, ½-inch reins, fastened in bit with loops, no buckles. A liberal reward will be given for the recovery of property and conviction of thief. B. DEGENHART. Whitehall, Jefferson Co., Montana.
Dec. 17, 1889.

WEAK MEN
Benighted thro' indiscretions or excesses, WE GUARANTEE to CURE by this NEW IMPROVED ELECTRIC BELT & SUSPENSORY or REFUND MONEY. Made for this specific purpose. CURES of GENERATIVE WEAKNESS, giving Free, Mild, Soothing, Continuous Currents of Electric Vitality through all weak parts, restoring them to Health and Vigorous Strength. Electric Current FELT INSTANTLY or we forfeit $5,000 in cash. BELT and Suspensory Complete $5. and up. Worst cases permanently cured in three months. Sealed pamphlet 4c. stamp.
MEN ONLY
SANDEN ELECTRIC CO., SKINNER BLOCK DENVER, COL.