



TERMS OF SUBSCRIPTION: By Mail, payable in advance, one year, \$1.50...

ADVERTISEMENTS: Display Advertisements 5 cents per inch for each 100 papers circulated...

CIRCULATION YESTERDAY: Number of papers printed, 5,105. Delivered by Carriers to City Subscribers, 5,046...

Subscription and City Circulation Books, Paper Account and Press Work Bill open for inspection by patrons or other interested.

TUESDAY, DECEMBER 9, 1890.

THE STATE MILITARY.

If the members of the Michigan club really contemplate the organization of a military company, we advise them not to do it, until they learn the policy of the new state administration.

It is more than probable that the military force will be reduced rather than enlarged during the term of Governor Wines.

The principal obstacle in the way of the formation of a military company is the fact that the state is at present without a military organization.

There is a popular idea among the grangers, by which the governor may be touched, that state encampments are to a large extent more for the pleasure of a few than for the benefit of the many.

It is not questionable. We believe that 20 companies of infantry would be sufficient to enforce the state needs.

The law should not be repealed, but amended so as to insure to the deputy wardens reasonable pay without reference to a board of indifferent and prejudiced supervisors.

The game and fish of Michigan should be preserved against the worthless brutes who would destroy them at any cost.

Nothing was condemned by the people at the election it was the "Republican program" as indicated at Washington.

Notwithstanding that fearful condemnation the Governor is now endeavoring to abandon their programme because of their disaster of November 4.

To a disinterested spectator it looks as if it were in receiving the vote of poor people for them not to change their programme.

It is well to let the servant of the people be happy yet, if it does not do it will be a happy yet, if it does not do it will be a happy yet.

Police Court notes. John Brink, the only Sunday drunk that appeared in Police court yesterday morning, and who was saved from death by the arrest, pleaded guilty and was released on payment of costs with the execution of sentence deferred for one week.

The people's cases against Thomas Riley, William Laclair and William Wilson, motion of the prosecuting attorney, were not pressed.

The people's case against Ernest Wisman for larceny from the person of Mrs. Anderson was taken up and adjourned until December 13.

James Roy, charged with assaulting Charles Miller, for the larceny of a watch, was held for trial.

Happy Hoosers. Wm. Timmons, postmaster of Idaville, Ind., writes: "Electric bits have done more for me than all other medicines combined."

STATE GAME LAWS.

It is whispered about in Democratic circles that the office of state game warden is to be abolished.

It is true that the game laws have not been enforced for some time past.

A state of things has existed this very fall in the north woods that is a shame and a disgrace.

An intelligent gentleman who, with a friend, camped in the north woods last November, reports for shooting deer reports to us that the game laws were violated in the most reckless manner.

We do not blame the fault of all this upon the state game warden. The fault is in the law itself.

The annual moderate hall of the Band, Scroll Sawyers and Filers' union, will be given at Turner hall, Jefferson street, next Friday evening.

Handsome Christmas Presents. Ladies' and gentlemen's gold scarf and lace pins, chains, bracelets, studs, sleeve buttons, lockets and charms.

Have you seen the elegant Bradbury plume show at No. 7, South Division street, at the most reasonable price?

Choice Holiday Gifts. No more suitable gift can be made than one of those beautiful etchings, water colors or pastels, handsomely framed.

Special sale of Misses' cloaks. VOIGT, HERPOLDSEMER & CO.

Picture frames at Harvey & Heystock's. CHILDREN'S cloaks way down in price at Voigt, Herpoldsemer & Co.'s.

Decorate your parlors with one of those beautiful framed pictures from Harvey & Heystock.

Other picture frames at Harvey & Heystock. MISSES and children's cloaks at great reduction in price to close them out.

Diamonds and Watches. An elegant variety of select designs. The best bargains offered at Harvey's, 6 Canal street.

Special sale of children's cloaks. VOIGT, HERPOLDSEMER & CO. Picture Frames. Examine our novelties in frame mouldings.

LADIES USE STEINER'S POSITIVE PERIODICAL PREPARATION. HIGHLY RECOMMENDED.

For Sale By Druggists, Price \$1.50, Express Paid. GEO. G. STEKETE, GRAND RAPIDS Mich., Sole Proprietor.

THE GRAND RAPIDS BOOK BINDERY, 29 Canal Street.

The North Shore Limited.

Which runs between Chicago and New York and Boston, over the Michigan Central, New York Central and Boston & Albany.

Room 41mmen Bldg. 43 Monroe St. GRAND RAPIDS, MICH.

Reumatism Always Cured. Catarrh and Head Noises Cured. DROPSY CURED. FITS AND ALL NERVE AND BRAIN DISEASES CURED.

Eye and Ear Diseases Cured! The Only One Who Cures Deafness.

Everything in our store we are selling at 1-3 off during our Removal Sale.

WIT AND WISDOM. Now is the time to buy a Misses' cloak.

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THE GRAND RAPIDS BOOK BINDERY, 29 Canal Street.

Dr. S. Clay Todd,

The Famous Nerve Specialist.

Room 41mmen Bldg. 43 Monroe St.

GRAND RAPIDS, MICH. Cures paralysis, twitches, pincching or prickling sensations, etc.

THE POOR LIBERALLY CONSIDERED. ALL DISEASES OF MEN CURED. ALL DISEASES OF WOMEN CURED.

Reumatism Always Cured. Catarrh and Head Noises Cured. DROPSY CURED. FITS AND ALL NERVE AND BRAIN DISEASES CURED.

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THE GRAND RAPIDS BOOK BINDERY, 29 Canal Street.

BUSINESS CARDS.

TEETH EXTRACTED FOR 25 CENTS! SILVER FILLING FOR 50 CENTS. GOLD FILLING FOR \$1.00 and Upwards.

G. R. MAYHEW WHOLESALE AND RETAIL. Boots, Shoes & Rubbers.

VALLEY CITY ICE & COAL CO. 25 MONROE ST. GOOD GRACIOUS, NO!

COAL. Grate, \$6.00; Nut, No. 4, Stove and Egg, \$6.25.

EMMA! JACKSON HILL COAL! A. B. KNOWLSON Main Office, 25 Pearl Street.

COAL! Grate, \$6.00; Nut, No. 4, Stove and Egg, \$6.25.

MAGNETIC LUNG BALSAM. Cures Bronchitis, Cough, and Consumption.

Magnetic Liver and Kidney Cure. Will Cure Dyspepsia, Torpid Liver, Biliousness, Diabetic, and Bright's Disease.

Magnetic Asthma Cure. For the Prompt Relief and Cure of Asthma.

Magnetic Blood Purifier. Will Cure All Syphilitic and Serofulous Diseases, Ulcers, Salt Rheum, and All Skin Diseases.

Magnetic Catarrh Remedy. Never Fails to Cure Catarrh. Sure Cure for Coughs and Colds.

DR. J. C. BATDORF'S MAGNETIC REMEDY COMPANY, 112 South Division Street, GRAND RAPIDS, MICH.

Grand Rapids, Dec. 3, 1890.

To Whom It May Concern: It is with pleasure that I recommend to the insuring public the N. W. Masonic Aid Association of Chicago.

My late husband, Charles E. Barton, was insured in it for \$2,500 for the past three years, and the total cost was just \$54.10 for that time, or an average of \$18.03 per year, or just \$7.21 per \$1,000 per year.

DORA L. BARTON, Widow. J. H. McDONALD, Special Agent, Warwick Hotel, Grand Rapids.

Prof. Chambers & Johnson, PROPRIETORS OF THE Electrical, Medical and Surgical Sanitarium.

At 123 North Ionia St., Opposite Postoffice, GRAND RAPIDS, MICH.

Come out tomorrow morning in this paper with the largest advertisement containing the best selection of Testimonials ever presented to a Grand Rapids public.

Read and Investigate for Your Own Benefit.

Holiday Slippers AT BOYER'S.

We have the largest and noblest line of Holiday Slippers in Grand Rapids.

Magnetic Uterine Regulator. Gives universal satisfaction. Thousands of Bottles Sold Every Month.

Magnetic Asthma Cure. For the Prompt Relief and Cure of Asthma.

Magnetic Blood Purifier. Will Cure All Syphilitic and Serofulous Diseases, Ulcers, Salt Rheum, and All Skin Diseases.

Magnetic Catarrh Remedy. Never Fails to Cure Catarrh. Sure Cure for Coughs and Colds.

DR. J. C. BATDORF'S MAGNETIC REMEDY COMPANY, 112 South Division Street, GRAND RAPIDS, MICH.

OUR PRICES MAY STARTLE BUT NOT VEX THE CAREFUL BUYER! YOU SEE THE POINT?

Are Low Prices Any Object to You? Are Fine Meats Any Inducement?

STILL ANOTHER CUT IN PRICES! 60 Pounds Good Beef, - - - \$1.00. Pork Shoulders, - - - 4 to 6c.

WESTERN BEEF CO., 71 CANAL ST. Wholesale and Retail Dealers.

THE PEOPLE'S COLUMN.

Facts or Fiction, Which? Error! Monsive Pines—In a recent issue of your paper I noticed an article...

Through curiosity, a week ago last Lord's day evening I attended a religious service...

The province of science is to discover, demonstrate, classify and teach facts. A fact, to us, does not become such until we know it...

Second, it teaches that there is a life beyond the grave, of which this life is but a short probationary period...

Third, it teaches that the soul is in a lost condition, and in the province of the great preacher is to effect its salvation...

Fourth, it teaches that the soul is in a lost condition, and in the province of the great preacher is to effect its salvation...

Through parlor coach leaves Grand Rapids via G. & I. R. at 10:30 a. m. daily except Sunday...

Through coach leaves Michigan Central Railroad at 8:30 p. m. daily except Sunday...

Through coach leaves Grand Rapids at 8:50 p. m. daily except Sunday...

Through coach leaves Grand Rapids at 9:30 p. m. daily except Sunday...

Through coach leaves Grand Rapids at 10:00 p. m. daily except Sunday...

law of change. Is there a man in Grand Rapids or elsewhere who can explain the theory of the soul...

Through curiosity, a week ago last Lord's day evening I attended a religious service...

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Through coach leaves Grand Rapids at 10:00 p. m. daily except Sunday...

Through coach leaves Grand Rapids at 10:30 p. m. daily except Sunday...

M. DeL. V. Vacon, his wife, executed to the effect of a power of sale clause, dated the eighth day of October, 1900...

Fourth Ward Collector's Notice. Notice is hereby given that the office of the collector for the Fourth ward will be held at No. 102 1/2 Court Street...

Fifth Ward Collector's Notice. Notice is hereby given that the office of the collector for the Fifth ward will be held at C. H. Saunders' residence...

Sixth Ward Collector's Notice. Notice is hereby given that the office of the collector for the Sixth ward will be held at the southeast corner of Scriber and Leonard streets...

Seventh Ward Collector's Notice. Notice is hereby given that the office of the collector for the Seventh ward will be held at No. 81 1/2 South Division Street...

Eighth Ward Collector's Notice. Notice is hereby given that the office of the collector for the Eighth ward will be held at No. 223 Howard Street...

Ninth Ward Collector's Notice. Notice is hereby given that the office of the collector for the Ninth ward will be held at No. 147 West Fulton Street...

Tenth Ward Collector's Notice. Notice is hereby given that the office of the collector for the Tenth ward will be held at No. 142 Jefferson Avenue...

Sealed Bids. CITY CLERK, GRAND RAPIDS, MICH., Dec. 8, 1900. Sealed bids for the various buildings or portions of buildings...

First Ward Collector's Notice. Notice is hereby given that the office of the collector for the First ward will be held at No. 102 1/2 Court Street...

Second Ward Collector's Notice. Notice is hereby given that the office of the collector for the Second ward will be held at No. 102 1/2 Court Street...

Hardman Hall Lecture Course, Thursday Ev'g, Dec. 1, 1900. THIRD ENTERTAINMENT LECTURE BY THE GREAT HUMORIST...

Admission, 50 Cents. No extra charge for reserved seats. Box Office open at 9 a. m., Dec. 1.

Fourth Entertainment Hardman's Hall Lecture Course, Monday Evening, Dec. 15, 1890. ONLY APPEARANCE OF...

Miss Nora Belmonte. BELMONT'S DOG CIGARETTES. BELMONT'S DOG CIGARETTES. BELMONT'S DOG CIGARETTES...

Thought Transmission! BELMONT'S DOG CIGARETTES. BELMONT'S DOG CIGARETTES. BELMONT'S DOG CIGARETTES...

This Little Man. BELMONT'S DOG CIGARETTES. BELMONT'S DOG CIGARETTES. BELMONT'S DOG CIGARETTES...

Pension Business. HE IS HERE TODAY. HE IS HERE TODAY. HE IS HERE TODAY...

Holiday Novelties. The best selected stock in the city of Fine Goods at Moderate Prices.

White & White. 69 MONROE ST., COR. IONIA. Morton House Pharmacy, Opp. Old Nibb.

Stekete's Eberaga Drops! Sure Cure for NEURALGIA, no matter how long it has existed...

Don't Read This! DR. BOUGNER DENTIST. 101 MONROE STREET, GRAND RAPIDS.

DO NOT DELAY YOUR ORDERS FOR Picture Frames. Picture Frame Mouldings...

Harvey & Heystek, 74 and 76 Ottawa Street, LEADING PICTURE AND FRAME HOUSE IN THE CITY.

INSURE YOUR PROPERTY WITH DOSKER & VAN DE RIET. Agents for the following first-class Fire Insurance Companies...

Loans, Real Estate and Notary Public Office. No. 26 Canal Street, Room 7.

SPECIAL SALE WEEK! BEGINNING DEC. 1, 1890. Children's and Infants Hats and Caps at Cost!

You Ought to Read. A DAILY PAPER FROM THE WORLD'S FAIR CITY.

DETROIT, NOVEMBER 30, 1890. LANSING & NORTHERN R. R. DETROIT AND EAST...

Chicago Daily News. GENTLEMEN! Here is Success! GRAND SUCCESS All Diseases of Men CURED...

G. A. Hall & Co., 56 Monroe Street. We beg to announce that we are now showing our line of...

Holiday Goods. Photograph Albums, Shagging Bags, Fine Gift Books, Fine Leather Goods...

Why Are We Sick? A LINE of advertising in the MORNING paper will reach more than ten times the usual number of readers...

A. L. LIVINGSTON, Founder of the Popular Priced Restaurant, Proprietor of Livingston Hotel...

Livingston Hotel and Restaurant, 61 AND 63 LYON ST. (Established 1864).

Official Railroad Time Card. Grand Rapids & Indiana Railroad. In Effect December 1, 1890.

Chicago, October 5, 1890. AND WEST MICHIGAN R.R. DETROIT AND EAST...

Chicago Daily News. GENTLEMEN! Here is Success! GRAND SUCCESS All Diseases of Men CURED...

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Wind and Weather.

WASHINGTON, Dec. 8.—For lower Michigan: Warmer, fair weather, southerly winds. Warm weather on Wednesday.

CITY AND SUBURBS.

To Mr. and Mrs. Frank J. Williams, of 308 Scribner street—a boy. Miss Maggie McQuillen, the artist, is visiting her sister in Chicago.

The civil cases on call in the Circuit court this morning are 535, 10, 13, 19 and 24. The millers of the city yesterday received six cars of wheat, two of corn and two of oats.

Robert Danley, son of a Kalamazoo "celebrity king," is visiting L. E. Eagleman, of 38 Canal street.

William A. Borkey and wife will move into their new home corner of Cherry and South Lafayette streets this week. William Doedens has announced the divorce proceedings against his wife, Anna J. Doedens, alleging cruelty and desertion.

Frank H. Gill and Frank McPhillips left last evening for Detroit. They went as delegates to the national convention of federated trades.

The cases of contempt reported yesterday are Fannie Backes, 473 Ottawa street, charged for obstructing Clara Bussewicz, 81 Calder street, diphtheria.

A warrant was issued from Police court last night for the arrest of Charles Glenn, charged by his wife Maude with failing to support his family.

Charles M. Heald, George DeWane and W. Alden Smith have gone to Chicago on business connected with the C. & W. M. and D. L. N. railway.

Justice Westfall yesterday held Charles Gardner, a 17-year old boy, to the Circuit court in the case of 4209 Belle Axford Iced Charles not wisely, etc.

The members of the Builders and Trades' exchange will hold a meeting Thursday, December 11. The question of changing the exchange hours will come up.

The attorneys for William Egan held Police court for the murder of Patrick O'Connor; it is understood, will make an application today for a continuance in the case.

Harry H. Burleson was granted a decree of divorce from his wife, Elizabeth M. Burleson, yesterday on the grounds of extreme cruelty. By the terms of the decree either party is at liberty to marry at pleasure.

The Gunn Hardware company has brought suit against Henry E. Doran and Frederick Doran to foreclose on a mortgage given Nov. 12, 1899, on which is due, as the declaration discloses, the sum of \$1,250.

Jennie Boorchon was granted a decree of divorce yesterday from Martin Boorchon on the grounds of extreme cruelty. Mrs. Boorchon is also given the custody of their child, Shelby Boorchon, until he shall attain the age of 14 years.

The Sunday school children along the line of the G. E. & L. railroad north have for several years back been the recipients of candy, nuts, etc., on Christmas from W. O. Hughton. The custom will be observed on a larger scale this year.

James Hayes of the Hotel Wayne, Detroit, will spar for "points" with Prof. Dyer at the Owashtano entertainment next Saturday evening. "Jimmie" gained considerable celebrity here as a boxer when he was acting as steward at Sweet's hotel.

Valley City Lodge L. O. G. T. will hold a debate tonight at their hall in McMillan block. The subject is resolved, "That temperance is of more vital importance than tariff." W. G. Manning and W. P. Manning will speak in the negative and G. A. Richards and A. Haffner in the affirmative.

REASONS OF THE CURVATURE OF THE EARTH.

Generally speaking, we say that the curvature of the earth amounts to about seven inches to the statute mile, or more exactly, it is 6.69 inches to the mile, or 7.92 inches for a geographical mile. Any amount of artificial assistance with optical instruments does not make it possible for the eye to perceive the least bit of curvature, even though the gaze is directed from the highest eminence.

This is because the vision is not capable of comparing height and distance. The effect of the known curvature of the globe may be illustrated in the following manner: Take down your globe, place a book, pane of glass or even a ruler against it—either of the two objects first named being best adapted to such an experiment; you will observe instantly that the book or pane only touches in one point, the globe's surface falling away in all directions from the point of contact.

Now suppose the ocean's surface to be calm and frozen and a sheet of glass many miles square laid upon it. At one mile from the place of contact the glass will stand upright 8 inches (this measurement being upon the ocean, the mile is a nautical one), in fact, will lack but .038 of an inch of being 8 inches from the point; at three miles it will be 6 feet, at nine miles 54 feet and so on.

The number of feet of depression is equal to the square of the distance in the number of miles for any observable distance. The atmosphere plays an important part in estimating the visibility of objects. On this account part of this depression must be canceled to make good the phenomena of refraction, which causes objects of all kinds to appear higher than they would if there were no atmosphere. Careful measurements have shown that the error from refraction averages more than one-seventh of the curvature.

The fact, therefore, commonly used for correction of curvature and refraction is: Square the number of miles and take four-sevenths of it for the correction in feet. Thus, if an object is visible at a distance of five miles we may know that its height is at least 144 feet.

Or, if the height of a visible object is known—100 feet—take one-fourth of this, multiply by seven and take the square root of the product (which gives the distance of the object) in this instance a fraction of over thirteen miles. A man swimming in the ocean can perceive a tower 200 feet high and nineteen miles away as a mere speck on the horizon; but if the man were elevated 100 feet above the surface of the water he could plainly perceive a tower 100 feet high at a distance of twenty-six miles. St. Louis Republic.

Bucklen's Arnica Salve. The best salve in the world for cuts, bruises, sores, neuralgic, salt rheum, fever sores, tetter, chapped hands, chilblains, corns and all skin eruptions, and positively cures piles, or no pay required. It is guaranteed to give perfect satisfaction, or money refunded. Price 25 cents per box. For sale by Thum Bros.

You can have a Stylish Hat Trimmed to order at 1-3 off at Cori, Knott & Co's.

MARKETS BY WIRE.

Financial. NEW YORK, Dec. 8.—Money, firm at 5/16 per cent. STOCKS—Dull, with firmer feeling. GOVERNMENT BONDS—Fours, threes, sixes, 109.

New York Grain and Provisions. NEW YORK, Dec. 8.—WHEAT—Dormant. NEW YORK, Dec. 8.—WHEAT—December, 101 1/2; January, 102 1/2; February, 103 1/2; March, 104 1/2; April, 105 1/2; May, 106 1/2; June, 107 1/2; July, 108 1/2; August, 109 1/2; September, 110 1/2; October, 111 1/2; November, 112 1/2; December, 113 1/2; January, 114 1/2; February, 115 1/2; March, 116 1/2; April, 117 1/2; May, 118 1/2; June, 119 1/2; July, 120 1/2; August, 121 1/2; September, 122 1/2; October, 123 1/2; November, 124 1/2; December, 125 1/2; January, 126 1/2; February, 127 1/2; March, 128 1/2; April, 129 1/2; May, 130 1/2; June, 131 1/2; July, 132 1/2; August, 133 1/2; September, 134 1/2; October, 135 1/2; November, 136 1/2; December, 137 1/2; January, 138 1/2; February, 139 1/2; March, 140 1/2; April, 141 1/2; May, 142 1/2; June, 143 1/2; July, 144 1/2; August, 145 1/2; September, 146 1/2; October, 147 1/2; November, 148 1/2; December, 149 1/2; January, 150 1/2; February, 151 1/2; March, 152 1/2; April, 153 1/2; May, 154 1/2; June, 155 1/2; July, 156 1/2; August, 157 1/2; September, 158 1/2; 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