

an body being turned into a conductor of electricity, and the possibility of lighting the gas by merely placing a finger—given the necessary means of electrical excitement—near the gas jet, without any other agency.

The Centrifugal Creamery.

The estimation of the quantity of cream contained in milk can now be made very accurately and rapidly by means of centrifugal force.

tion of the black hair of his youth; also Sir John Sinclair, a Scotchman, dying at 110, rejoiced in a youthful head of hair during the latter years of his life.

That Awful Boy.

He was a precocious boy. He never stood on ceremony to ask questions of matters that came under his observation. A visit to the paternal home-written annals of the paternal home-written and indulging in pertinent queries.

Michigan Railroads.

State Railroad Commissioner Williams has completed his annual report which bears date September 9. The following are a few of the facts and figures contained in it: The forty-eight railroad corporations doing business in this State own a total of 4,358.50 miles of road and operate 6,160.71 miles.

The Wooden Hak.

Somewhere about the year 1770 a traveling millwright, foot sore, and with the broadest Northern Doric accent, stopped at Soho, at the engine factory of Boulton & Watt, and asked for work.

Home-Made Window Pictures.

Upon a square of white or delicately tinted linen or paper, trace lightly some pretty design, such as a bouquet, a cluster of leaves and fruit, or a cross, or an anchor, wreathed with flowers or leaves.

The Bagdad Date Mark.

Bagdad, says one of our medical exchanges, is noted for a curious and mysterious malady, which affects everybody in the city, whether he be citizen or stranger.

A Common Error.

When we contemplate the diversity of taste adaptations of individuals for the various honest callings, I am not surprised that so many farmers' sons do not desire to be farmers.

A New Bonanza.

A letter dated at Denver, Col., September 8, says: A well-known and reliable mining superintendent just in from Gunnison confirms the rumors of the last few days of a wonderful discovery of native gold on the banks of the Cachatopa Creek, eighteen miles southwest of Gunnison City.

PLANTATION PROVERBS.

One-eyed nule can't be handled on de bline side. Moon may shine, but a lightered knook's mighty handy. De pig dat run off wid de year er corn gets little mo' dan when it gets loose from de jug.

About the Hair.

The cause of gray hair is the destruction of the top of the papilla, or life and color-giving bulbs at the root of the hair.

GOLD BY SCENT.

The late Dr. Charles T. Jackson, one of the inventors of anæsthetic agents, had a famous laboratory in Boston, to which one day Dr. Jackson was fond of narrating—a countryman came with a basket full of these yellow blocks called iron pyrites, which he had found a gold mine on his farm, and would not take no for an answer, and would not take no for an answer, and would not take no for an answer.

love in a cage, where the couple gladly live on air, and die upon which their neighbors seem to depend so largely. But, alas! the time diet from poetry and romance to a good appetite asserts itself sooner or later, and the harder meat is well stored with filled with tempests, squalls and storms, in which the romance of earlier days becomes hopelessly wrecked.

My dear, what makes you always yawn? The wife exclaimed, her temper gone. Is home so dull and dreary? Not so, my love, he said, not so; But man and wife are one, you know, And when alone, I'm weary.

PLAIN COOKERY.

Some few weeks back a worthy lady advertised for a plain cook, and several persons applied for the situation. Owing to her fastidiousness, however, none of them seemed to suit her requirements; but, at the eleventh hour, a maiden from the Emerald Isle made application.

ELECTRICITY AS A MOTOR.

It is often asked why electricity does not make greater progress in supplanting steam. Dr. C. William Siemens, in his presidential address last Spring before the English Iron and Steel Institute, declared that so long as electric power depended upon a galvanic battery, it must, in the nature of things, be far more expensive than steam power, a substance much more costly than the coal of the steam engine.

THE YOUNG FARMER.

The young farmer will early manifest his love for horses, or other farm stock, and be interested in all the diversified things connected with the farm, and seek familiarly with such books as will aid him in the prosecution of his business. The young mechanic will equally manifest the bias in keeping with that calling; and so of the student, merchant, and professional man.

NEWS OF THE WEEK

MICHIGAN

The annual stock meeting of Manistowic Monday evening was attended by 100 ladies.

Thomas Johnson, aged 65 years, a brick mason by trade, was found drowned in the river at East Saginaw Sunday afternoon.

A fire in the main building of the Michigan State Normal School, which was caused by a large amount of kerosene lamps, destroyed a large amount of property.

Geo. W. Birmingham's night watchman, performed the rare feat of swimming from Belle's bath house shore Detroit to the shore at East Saginaw Sunday afternoon.

Frederick Martin, engineer of the steam yacht Manie had filed in the United States Court at Detroit, a libel against the steamer Garland laying his damages at \$50,000 for the loss of his wife by the collision.

The officials of Detroit started on an excursion to Toronto Wednesday morning.

Tuesday morning Elton G. Eaton, who has carried on a large jewelry store at Grand Rapids for many years, made an assignment to Eben Smith.

There is now a nice little quarrel in Grand Rapids as to who is responsible for churning over the check valve which was the cause of the recent flood when the supply main broke.

Clark Packard, a brakeman on the Chicago & Grand Trunk Railway, lost his life Monday while switching cars at Stillwell, a station five miles west of Battle Creek.

The Chicago and Northwestern railroad and most of the mining companies of Marquette county are paying their employees in gold and silver.

The twenty-fifth session of the Detroit Annual Conference was opened in Bay City Wednesday morning in the Washington Street Methodist Episcopal Church, Bishop Andrews presiding.

Shelby Ryan, of Midland, was engaged in locking a prisoner named Spencer into his cell in the jail at Midland Wednesday evening, when Spencer resisted, knocked Ryan down and kicked him severely.

Geo. Van Sickle, a harness maker of Eaton Rapids, was adjudged insane Thursday and taken to Kalamazoo by Sheriff Smoke.

Capt. A. E. Goodrich, of Chicago, has entered into a contract with the Detroit Grand Haven & Milwaukee Railway Company to take the trunk business between Grand Haven and Milwaukee for two years.

The Charlotte jail was delivered of its inmates Thursday night, by effecting an entrance to a trap door in the rear of the building.

At the competitive examination for the appointment of a West Point cadet for the Second Congressional District, held at Monroe on Thursday last, the candidates were Charles Muir, of Erie, Monroe Co., carried off the honor.

The Plainwell Independent says the raising of peaches in the great belt is fast going the way of the blueberry culture in that vicinity.

An altercation near Campbell Postoffice, Barry county, a few days ago, resulted in a man named Hank, who immediately left for Paris unknown.

Albert Thompson and Philip Smith, colored boys, and a white boy, were found on Friday in Spring Lake drowned.

There was a meeting of the Millers State Association, held at the residence of the late Hon. J. B. Merrill, presiding.

The Burns from the race which runs Fevery's foundry at Battle Creek, caused in Saturday forenoon and did a considerable amount of damage besides laying off about 15 workmen for a week.

James H. Worcester, Detroit white lead works made an assignment on Saturday for the benefit of his creditors.

At the New York Maritime Exchange Monday afternoon the Bradford of the steamer San Salvador, with all on board, was reported.

A large tannery in Lloyd street, Chicago, owned by Paul Poston, burned to the ground on Tuesday.

A new and fatal disease has been prevailing among cows in the vicinity of Ferland, Ky., for the past two weeks.

Six of the crew of the City of Vera Cruz, Charles Smith, second assistant engineer, Charles Brandenburgh, quartermaster, James Kelly, John Talbot, John Greenfield and Thomas Drummond, together with O. K. Owens, the surviving passenger arrived at Charleston Monday morning from Jacksonville Fla. they proceeded to New York.

A special of Tuesday reports additional disasters on the Florida coast. The schooner Rosa Hopfinger, from New York for New York, was lost. The first mate, Joseph B. Miles, was lost.

A large portion of the bottom of a ship, newly captured, apparently a vessel of 2,000 tons, and full of miscellaneous cargo, Monday at St. John's Bay.

It has been ascertained that E. B. Hall, whose term of office as Treasurer of Lucas county, in which he holds a large property, has defaulted in the amount of \$17,000.

The West was thrown open to the public at the great fair of the Merchants' Exchange, held in Toledo, Ohio, last week.

The Massachusetts trial of Toledo, has been purchased by J. B. Hall, and J. B. Alsworth, who will republish the morning edition.

President Hayes and party arrived at Reno, Nev., and left for Virginia Tuesday noon. There was a great crowd at the depot.

A forest fire at Upton, Ont., Saturday, destroyed a great amount of property, and several lives were lost.

A Santa Fe special says Alexander Leland was the stage driver killed the evening of the 24th, starting from Fort Cummings.

The cotton crop of the United States for the last commercial year was 5,704,161 bales.

Five thousand people attended the opening of the Inter-State Industrial Exposition at Chicago Wednesday.

The Cincinnati Industrial Exposition opened Wednesday night, with every prospect of success.

The schooner Jane Bell, of Cleveland, loaded with coal, went ashore at Cleveland, O., Tuesday night about 10 o'clock and is total wreck.

The passenger train on the L. & N. R. R. due at Indianapolis, Thursday morning from St. Louis, was thrown from the track and four coaches derailed.

A northeast storm, very severe prevailed in New York, Thursday. The track of the New York & Southern Railroad between High Bridge and Station and an accident was caused, suspending all travel from New York via Sandy Hook.

The citizens of Yankton, D. T., have subscribed \$10,000 for an experimental well, and boring will begin as soon as the contracts are concluded.

The forthcoming crop report of the Illinois Board of Agriculture will show the entire wheat crop of that State for 1880 to be 53,336,590 bushels.

The schooner Magnolia has arrived at Jacksonville, Florida, from New Smyrna and brought John Connel, coal passer, and two others, supposed to be P. Silva, and a Cuban passenger, of the Vera Cruz.

The destruction of Finzer Bros' tobacco works at Louisville by fire Friday morning, will throw 250 men and women out of employment.

The democrats claim to have carried Arkansas on Monday by 60,000 majority.

Partial returns from a number of counties indicate the election of Churchill, Democrat, for the office of Governor.

Vermont has gone Republican by an increased majority.

The New Hampshire Republican state convention met at Concord on Tuesday.

The Republican state convention of Georgia, spent the day in trying to determine whether it should adopt in the present state campaign.

One hundred and fifty towns in Vermont heard on Wednesday gave a Republican majority of 17,000.

The prohibitionists of Massachusetts met in State convention at Worcester on Wednesday.

At the Third District, held at Eaton Rapids on Wednesday, Samuel Dickie, of Albion, who received the nomination for governor, was nominated.

John N. Mellen, of Rome, was nominated as State Senator from the Twentieth District at the Democratic convention at Albany.

The Democratic Senatorial Convention for the Thirtieth District was held at Potsdam on Thursday.

Retires from Vermont on Thursday included 288 towns, leaving three towns more to be heard from.

The Republican Convention of Washington Territory met at Vancouver Thursday and nominated Thomas H. Brents delegate to Congress.

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The amendment to the State Constitution of Arkansas, which provides for reparation for a portion of the State debt, is adopted by several counties.

James W. Sheldon, of Albion, Democratic nominee for Congress in the Third District, sent a letter to the secretary of the convention.

The Greenback Senatorial Convention for the Thirtieth District was held at Potsdam on Thursday.

The Twenty-ninth district met at Bay City on Tuesday.

Two hundred and forty towns in Vermont give Furman (Rep.), 47,000 votes.

The railroad from St. Petersburg to Simsbury, N. H., was completed on Tuesday.

Parliament was prorogued on Tuesday until November 23.

There were 32 deaths from yellow fever and small-pox in Havana during the week ended Saturday.

Minister Angell arrived at Tien Tsin, China, on the 4th instant.

Gen. Roberts telegraphs as follows from Candahar, September 25.

An explosion in the Seaham colliery, near Durham, England, occurred at 2:30 o'clock Wednesday morning.

The loss at the fire at Manhattan Market, New York, is \$1,500,000.

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The Seaham C. The explosion.

Nineteen men fell a shaft of, but on pro-

The air coming up in the shaft was exceedingly foul.

Communication with the top seam was opened at 1 o'clock Wednesday afternoon.

Several men near the furnace at the bottom of the shaft were found to be shockingly burned.

It is thought the explosion originated in the lower seam and that the gas was driven over the furnace.

Explorers for a time had to suspend the work of bringing up survivors in consequence of the stables being on fire.

There are 259 men in the pit at the bottom of the shaft.

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See, darling! The clouds! Peep out! A second blessing!

How rich and in its green! It flowered in! And yet, ere sun! It spreadeth to the!

It seemeth unto us! Of love, spring-brook! Full-hearted love!

That sweetly smiled on! Yet hath its fuller bloom! In these maturer hours!

Our lives were like the spring time bloom! Of this old tree, which wreaths our house! With purple twice a year!

No leafage grow of worldly praise, No worldly wealth made glad our days, But lonely love was dear!

Ab, darling! on this summer night! Our hearts brimful with deep delight! We bless God as we stand! Beneath His arch of twilight sky!

At rest, too glad to smile or sigh, The happiest in the land! Our tree of life is strong and full! Of leafage verdant, beautiful!

With blossoms in their prime, For love, like fair wisteria flowers, Brings, with full hands, to us and ours! A second blossom-time!

Edison and His Electric Lights. Mr. Edison's hundred-horse power engine is getting its finishing touches in the Porter Allen Engine Company's shops, Philadelphia.

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been ex- by Dr. L. J. ... together to make his nest.

The squirrel is a ferrymen- who chis or piece of bark for a boat, his tail for a sail, he crosses a brook.

Dogs, wolves, jackals, and many others, are hunters.

The black bear and heron are hunters.

The ants have regular day laborers.

The monkey is a rope-dancer.

The associations of beavers present us with a model of Republicanism.

The bees live under a monarchy.

The Indian antelopes furnish a sample of a patriarchal government.

Elephants exhibit an aristocracy of elders.

Wild horses are said to elect their elders.

Sheep, in a wild state, are under the control of a military chief ram.

Trifles. A simple ton—20 cwt. Clear grit—cheap sugar.

The New York Times in giving directions for preparing fish says, "your head in, say, a pint of water."

"Don't buy thermometers now! The advice of an expert. They'll lower after a while."

Why is the happiest of vowels? Because it is the midst of bliss; in hell, and all the others in purgatory.

The Parisians have introduced square umbrellas. They are just good as the other kind—never rain when it rains.

If a man would only strike but instant sooner than he does he would get the mosquito even!

A Massachusetts bookstore and a ten cents with a...

An Eastern farmer has introduced square umbrellas. They are just good as the other kind—never rain when it rains.

That man of color was a servant of the habits of white folks when asked if he knew what the meaning of an oath in court was.

"Yes, sah; an oath means that you swears to a lie he's got to lie."

"I have three children who are very image of myself." "My youngest," replies his intended.

"Why?" "Because he is the only one who will have to resemble you in the long run."

"I have left all my fortune to my wife," says the philosophic spouse.

Xantippe, "on condition that she may marry again." "What is that for?" "I wish to be sure that there will be some one to regret my death when I am gone."

A man out West was offered a plate of macaroni soup, but declined, saying that he couldn't play on his pipe-stems on him.

"If we are to live after death, we do not have some knowledge of the hereafter?" "Why don't you have some knowledge of this world before you come into it?" was the caustic reply.

The recent wet weather has had a bad effect especially upon farms that are imperfectly drained.

A gentleman writing from Oakland county says: In a ride through the townships of Pontiac, Waterford, West Bloomfield, Independence and Orion, I find the ground designed for winter wheat in very bad condition.

It is stated on authority that the wool crop reached 233,000,000 lbs. in 1879, and may safely be estimated at 250,000,000, while some place it at 255,000,000 for the current year.

MICHIGAN CENTRAL RAILROAD

Table with columns: GOING WEST, GOING EAST, Station, Time, etc. Lists routes to Detroit, Grand Rapids, and other Michigan cities.

BILLS OF FARE

Table with columns: Station, Fare, etc. Lists fares for various routes including Detroit, Grand Rapids, and other Michigan cities.

MICHIGAN.

A young man named Henry Lindley shot and killed Alice Tibbitt at her home near Jonesville on Monday night and then shot and killed himself. He was about 23 and she 19. The cause of the trouble is not definitely known.

The Detroit Light Infantry proposed to visit Atlanta, Ga., in October. The net earnings of the Canada Southern Railway from July 1 have averaged and are continuing to average about \$100,000 per month.

Major Andre. The one-hundredth anniversary of the capture of Major Andre was celebrated at Tarrytown, N. Y., on Thursday. At sunrise a national salute was fired by a battery of artillery stationed on the hill back of the city overlooking the river and the famous Tappan Zee.

How the Pyramids Were Built. Brugsch Bey, the eminent Egyptologist, says, in his work on Egypt: From the far distance you see the giant forms of the pyramids, as if they were regularly crystallized mountains which the ever-creating nature has called forth from the rock, to lift themselves up toward the vault of heaven.

Human Refrigeration. Some experiments which seem to throw light on the physical effects of bathing have been recently made by Dr. Paul Deland of Bordeaux. The apparatus was studied by subjecting the whole body, except the head, to a healthy and robust subject to refrigeration with water at over 10° C.

FOREIGN. Destructive floods occurred Saturday and Sunday in the districts of Bedford, Bedford, Malton, Newbury, Seaton and Sheffield, England, causing great damage to crops and other property.

DETROIT STOCK MARKETS. The receipts of live stock at the Michigan Central yards last week were: Cattle 2,549; hogs, 15,601; sheep, 1,620.

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