

The Mining Journal.

By A. P. SWINEFORD.

Devoted to the Iron and Industrial Interests of the Country.

THREE DOLLARS PER YEAR.

ESTABLISHED IN 1846.

MARQUETTE, (L. S.) MICHIGAN, MAY 21, 1881.

NEW SERIES, VOL. XII, No. 670.

BUSINESS NOTICES.

NEUBERGER has just received a large and elegant assortment of gentlemen's straw hats, all of the latest styles, and nobbly.

DANCING.—Prof. H. N. Vaughn will spend the summer in Marquette and give instructions in dancing. All the latest dances taught, with the newest music. General classes, open to all, will be organized in Coles' hall on Monday evening, the 23d inst. Attend the first lesson. 670w2

ALTHOUGH the city is often visited by outside merchant tailors, Neuberger reports business in that line even better than ever. Nobbly suits made to order on short notice, and an elegant stock of cloths to select from.

FINE neckwear and hosiery are among the many attractions at Neuberger's.

SPRING and summer suits in endless variety at Neuberger's the clothier.

NEUBERGER'S store is jammed full of new goods. Drop in when you're down street. 670w1

An elegant line of valises and hand bags just received at Neuberger's. 670w1

THE Ladies' Misses' and Children's hats, bonnets, flowers, feathers, ornaments, etc. now being displayed in the elegant millinery department at James Morgan's, 386 and 388 East Water st., Milwaukee, constitute the largest and finest stock of millinery ever shown in the west. Mr. Morgan has a very attractive stock of corsets, ladies' underwear, dress goods, silks, hosiery, cloaks, gloves, etc. His prices are always the lowest.

WANTED.—A situation as mine clerk or book-keeper for a mercantile house. Have had five years experience as clerk for mining corporations, and have acted as book-keeper for business houses for upwards of six years. Have held a very responsible position for the past four years. Unexceptional references furnished. Address, WILLIAM COX, Eagle River, Mich. 669w1

AUCTION SALE OF LOTS.—A number of desirable village lots at Clarkburg, will be disposed of by public auction, May 23d 1881. WM. WARD.

Snow Flake Potatoes at J. W. SPEARS. 669w2

Now is the time to buy your crockery and glassware. Call at Stafford Bros., where the best goods are kept and sold the cheapest. New goods just received, and more coming: Cozzens House Block. 669w2

1,000 bushels Potatoes for sale at J. W. SPEARS. 669w2

SEED POTATOES.—St. Patrick—one of the handsomest, best and most productive potatoes grown, for sale by MURRAY & ROBBINS. 669w2

WISCONSIN Early Rose Potatoes, for seed, at J. W. SPEARS. 669w2

FOR SALE.—One 20-horse power Reo boiler in good condition, at our Neegaunee brewery. 669w1 MRESKE & HOCH.

SAVE your Specimens! Wettstein, of the Neegaunee Museum, pays best cash prices for minerals of all kinds and gives watches, clocks, jewelry, silverware and specimens in exchange for iron specimens, and when they are brought or sent to him, makes an extra allowance to more than pay for the trouble. 655w1

100 Bbls Choice Min. Wheat Flour will be sold next week regardless of cost by F. B. Spear. 668w1

FOR SALE.—A house and lot located on north side of Washington street, between Fifth and Sixth streets, for sale on reasonable terms. Apply to JOHN CHRISTIE. 669w1

Now is the time to have your furniture repaired and upholstered and made as good as new. HAGER & JOHNSON. 667w1

FOR SALE.—One top and one open Runny, 100 ft. 12 inch sheet-iron Pipe; 1 hay-cutting Machine; one Show Case; one Lot Rubber Hose and fittings; one Iron Safe; two platform Scales; one Engine, Shafting, Pulleys, &c.; one marble Mantle and Grate. F. B. SPEAR. 669w2

FOR SALE AT A BARGAIN.—My house and two lots on Bluff street, between 5th and 6th streets. One hundred feet front and house in good repair. Price \$800—cash. Apply on premises to ALLEN COWDEN. 665w1

SPECIAL NOTICE.—Those wishing anything in the line of awnings or camp furniture will save money by ordering from Hager & Johnson, as they are the sole agents for Murray & Baker, Chicago. 665w1

INSURE in the Detroit Mutual Benefit Association. R. J. COOKE, Agt., Marquette. 665w1

"6 SIZE," the smallest American Watch made, elegantly cased in gold, at CONKLIN'S. 663w1

ROCKFORD WATCHES in gold and silver cases, at CONKLIN'S. 663w1

You can get a first-class Piano or organ and save money by buying from CONKLIN'S. 663w1

The Syphon Lamp gives the largest flame and brightest light. See them burning every evening at CONKLIN'S. 663w1

USE EMPIRE SOAP. 632w1

AGENTS AND CANNASSERS make from 25 to 50 dollars per week selling goods for E. G. Bennett & Co., 10 Barclay street, New York. Send for their catalogue and terms. 640y

LARGE stock of Sheet Music and Music Books at CONKLIN'S. 663w1

CITY AND COUNTY.

GENERAL manager Schoch is still in the east.

A HUGE minstrel troupe Monday night at Marquette, May 30.

SAVE your change and pay your water rates by the 31st inst., thereby avoiding the penalty.

THE propeller Hurf had the misfortune to break a bucket while coming through the canal on her up trip early this week.

HON. John N. Ingersoll, the founder of the MINING JOURNAL, died at his home in Cornua, Friday morning of last week, at the age of 65.

ISAAC A. POOL, the Escanaba florist, has been in the city during the week supplying our people with the choicest of plants from his hot houses and gardens.

The teachers and many young lady pupils of the high school went to the woods on Monday afternoon in Freeman's bus for the purpose of plucking the trailing arbutus.

ENGINEER Musson, of the D. M. & M. R. R., came up from the Sault by steamer last week. He reports his associates as being as well and happy as circumstances will permit.

The farmers hereabouts are now busy putting in their potatoes—the principal agricultural staple of this latitude. The prospects for an abundant harvest of the Celtic berry are good.

REV. Father Martel, late of Norway, has been appointed pastor of the French Catholic church in this city. He is reported to be an able preacher, and his congregation will see to it that he has a good support.

The store fronts of James Dwyer & Co. and Foard Bros. have just received a new coat of green paint and look quite pretty. Seems to us as if we had heard of a heavy penalty being imposed somewhere for "wearing of the green."

AFTER every rain an unsavory odor arises from the lower end of the railway cut below Front street, and those whose business it is to clean out the stink-hole will confer a favor on pedestrians by giving the matter immediate attention.

IMMENSE quantities of freight arrive for the merchants of this and up-the-road cities and towns by every boat, and the warehouses on the docks present such a scene of activity as has not been witnessed in the previous history of the upper peninsula.

THE D. M. & M. R. R. contractors are making rapid progress on their line east of Rock River, one mile of track being laid on each working day. At this rate there can be little doubt but that the road will be completed by the date originally specified.

HEYWOOD'S MASTODONS will appear at Marquette, Monday May 30. The mere announcement of the fact is sure to pack the hall, for who are there among us who do not love to attend a first class minstrel show. Go early and secure your seats and thus avoid the rush.

"MISFORTUNES never come singly." Close upon the heels of "Chuck" Stevens' resignation as chairman of the county board of supervisors comes that of Lord Roscoe and his good man Friday, U. S. senators from New York! What is this 'ere county a' comin' to, any how?

THE ladies of the W. C. T. U. gave an ice cream and refreshment social in their reading rooms last Wednesday evening, which was well patronized. Quite a good sum of money was realized, which will be expended toward the purchase of wholesome literature for their rooms.

MR. W. J. PICTON, engineer in charge of the second division of the D. M. & M. R. R., has been in the city during the week engaged in laying out the places for the work to be done by the company on its property in this city. He reports things booming on his section of the work.

The loafer is now in his happiest mood, as well he might be. He can sit on the dock in the warm sunshine, chew his borrowed quid and feel like a monarch of the seas. We can see no necessity for the loafer, and trust that the marshal will succeed in ridding the town of every mother's son of 'em.

GEO. SERRELL, the drayman, has a new spring platform truck manufactured by E. Chepe & Sons, Detroit, and purchased through the agency of M. R. Manhard & Co., of this city. It is one of the finest in the land, and the owner is as proud as though he had come into possession of an iron mine.

SOAP and cheap jewelry men have held forth on the streets during the week, and many a poor sucker has been taken in. Strange that a certain class of our citizens will get bit once, twice, thrice, and yet not profit by their experience. The age of fools will never cease to be.

DRAYMAN Flannigan rejoices in the possession of a fine, new spring-platform truck, made in Fond du Lac, Wis., and purchased by him through the agency of Thomas Morgan, the Superior street wagon dealer. These trucks will undoubtedly soon come into general use in this city.

A new wood yard is soon to be established on the vacant lots in the rear of the gas works by Col. J. E. Ward, who will bring his supply of wood from his own land down on the line of the D. M. & M. R. R. The wood will be sawed by water power furnished by the creek flowing through the yard. The yard will not be open until the first of June.

CINDERS.

Get your hair cropped.

All you who have winter dujs to shed prepare to shed them now.

Competent authorities state that religious observance this year will be cut even lower in observance than usual.

Gentlemen of leisure taking sun baths" is the title to which the upper loafers may be successful as distinguished.

Green garden "snaps" is in the market in abundance, and he that would double up with the grapes can get all the satisfaction he wants for a small sum.

The balmy air of spring now bathes the cheek of beauty with rosy blushes, while its anxious brain wonders what fellow will this year pay his ice cream and strawberry bill.

Pool, the florist, is afraid to wrestle with anything from Leontodon taraxacum to petunia nyctaginea, but he says the cimet lectularius is too much for him, vide his face.

Gentlemen who can't tell a polonaise from an wren front will be in mind the prevailing authority for a special class. One is worn over the ear and the other on the nape of the neck.

A man who can sit with his feet in a pail of hot water and a strip of red flannel about his throat, and not feel the tender influence of spring, is dead to the subtle instincts which link humanity to nature.

The rural idealist mind is absorbed just now in inventing new squibs on the house-cleaning festival which is now on the tapis. An editor who has less than a half-dozen squibs on the subject feels sad all the next week.

Wanted, at this office, the man who can edit the MINING JOURNAL as to please everybody, and a foreman who can give every advertiser the best of a special class on the 4th page. Cinders acknowledges himself unequal to either task.

Cinders simply refers to the fact by way of consolation and encouragement to an elderly maiden lady friend on Bluff street west. The lady is a widow, and her late husband, the Naom, daughter of Epoch, was 580 years old when she married. While there is life there is hope—even for vinegar-soured old maids.

The prayers of the righteous availeth much; but it will take a pile of very fervent ones to save from the wrath of heaven the fornal rascal who ties a bell about the neck of his bovine and then turns her loose to browse on his neighbors' corn. Other-wise would be the still hours of the night.

The Celtic individual who tuned his lyre to the effect that America was a land where Irishmen could live and die a wearin' of the green, must have had his eye on towns like Marquette where they die and are buried in the largest liberty, and the sidewalks are carpeted with Ireland's national colors from the balmy breeze of the spirit's flight to the other side of the mantle of the departed earth.

The news of the resignation of the New York senators created quite a furore of opinion among the local politicians in this city, and the postoffice lobby was the scene of a fight and other cars have been laid up and ballasted. But not one half the work has yet been done; enough more of the hill will be taken away as may be required to fill in the long stretch of low ground reaching from the round house to the gas works, and from the present road way to the edge of the lake and on which the street will be graded. The whole work is completed. This will straighten Lake street by avoiding the curve at the intersection of Jackson. We are informed that the work will be commenced immediately and pushed to completion as rapidly as possible.

SERIOUS ACCIDENT.—Some time ago the MINING JOURNAL called the attention of those interested in the matter to the fact that the sidewalk on Front street between Reau's harness shop and No. 1 horse house was in a dangerous condition for night pedestrians, also remarking that if not repaired immediately the city would have a suit for damages thrust upon it by reason of some one falling through and receiving serious bodily injuries. The latter has happened, and the former will be the natural sequence. Last Saturday evening, as a Frenchman named Adolphus Dubey was passing by the place he fell through the hole, sustaining serious injury. He was taken to his home, where an examination by a physician, it was found that he had broken a rib, besides receiving other injuries which will lay him up for some time. Dubey is a laboring man about 45 years of age, and has a large family depending on him for support. If allowed to recover he will begin a suit for damages against the city, and with reason. The sidewalk has since been repaired, but—"a stitch in time," etc.

DURING the summer months the MINING JOURNAL will not go to press until Saturday morning, and then always on time for the southern, eastern and northern mails. We shall endeavor to have the city list in the post-office at the same time, and subscribers would confer a favor by getting their papers at the post-office, instead of coming in and taking them off the press before they can be mailed. When this is done the subscriber inevitably gets two papers, and this we cannot afford, especially when some twenty or fifty resort to the practice. The paper is kept on sale at Meads', at the post-office news stand, and by boys on the street, and they are supplied at the earliest possible moment. The price charged at the news stand is seven cents, and our friends would please us by buying their papers at one of these places. When the paper is bought at the counting room of this office ten cents will be charged. Idlers and loafers would greatly facilitate our work by coming into the office in droves each Saturday morning and hanging around until the paper is mailed. Hereafter we shall keep a club for just such, and it will be used.

REMEYNI.—This celebrated violinist, with M. H. W. A. Beale, pianist, and Mlle. Renie Reiguard and M. Edmund De Cello, vocalists, gave one of their most excellent entertainments in Marquette, last Tuesday evening, to an average Marquette audience. Of course, the fame of Edouard Remyeni had long been sounded in Marquette, and every one present knew full well the high order of the entertainment to be expected. All who attended his first performance here a year ago were his friends and admirers from the start, and those not fortunate enough to be present on that occasion were made such from the moment his bow first touched the instrument. His first solo was received with round after round of applause, and the encore was gracefully responded to a first and second time by the willing artiste, the recitations being none the less "boisterous-

ly" received. At each of his announced appearances, Remyeni did double duty, the work laid out, and the happy manner in which he responded to encours showed that he enjoyed the playing full as well as his audience. For these kindnesses the name of Remyeni will long be held in happy remembrance by the people of this city. The other members of the troupe are genuine artists in their line, and were well thought of, not boisterously, received. The "bright, particular star" was Edouard Remyeni—long may he continue to live and saw sweet melody from the instrument he loves so well. This is probably the last of the brilliant entertainments of the season, and the MINING JOURNAL feels that it but echoes the wishes of our people in acknowledging its gratitude to manager Blake for the excellent "brand" he has been instrumental in giving us, and of which the last was better than all the others combined.

POLICE COURT.—Justice O'Keeffe's court was occupied on Thursday afternoon and until ten o'clock at night in the trial of three miserable characters named respectively Alphonse Proux, Nellie Proux, and Annie Benson, the former the keeper and the latter inmates of a disorderly house in the Rolling Mill district. The case attracted to the court the worst element of the city, the crowd of men and boys filling the room to its utmost capacity, and all eager to hear any words of snuff that might be spoken. The prisoners and crowd of court-hangers were about the most abandoned and corrupt mass of humanity we ever looked upon. We are glad to state that without much parleying the jury returned a verdict of guilty, as to the man, and the court gave him the heaviest penalty allowed under the statute—\$100 fine, in default of which he was to have 90 days in the county jail. He chose the latter. Two women pleaded guilty, and the former was fined ten dollars or 30 days in jail, and the latter twenty-five dollars or 30 days in jail, but owing to her extreme youth—she not being over 14 years of age—the judge suspended the sentence, providing she left the city immediately. The house thus broken up was one of the lowest dens of iniquity in existence in any town, and the city attorney, judge, and officers have done a job of credit.

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OUTRAGEOUS.—One of the most disgraceful affairs that has happened here in years took place on the corner of Front and Superior streets last Tuesday evening, and what makes the affair more aggravating and disgraceful is that the perpetrators were allowed to escape without the punishment their acts deserved. While two men, mounted on a carriage, were engaged in selling cheap jewelry and a scribe soap—the one delivering an "oration" and the other handing out goods to purchasers—some person or persons in the crowd surrounding the carriage began throwing eggs at them. Several of the ovaries hit the peddlers, spattering all over their clothes, and strange as it may seem, the business of egg throwing had not progressed far before one of the men got mad, and yelled out an offer of "ten dollars reward to the man who will show me the son of a (bad woman) who is throwing them eggs." The rough language didn't seem to have the desired effect, as the eggs came, if anything, faster than ever, and the mouthy peddler had to retire to his home and change his raiment. Returning from the hotel, the eggs began again to circulate, and so thick was the shower that the sidewalks were soon rendered too slippery for safe navigation by pedestrians. Unable to stand the racket the peddlers were compelled to withdraw. At the time of the affair—between 9 and 10 p. m.—the sheriff and city marshal were both absent in a distant part of the city making arrests, and as they cannot be omnipresent they have just grounds for being excused for not interfering. The outrage was undoubtedly perpetrated by some of the low characters who infest the corner, more than half of whom should be disposed of under the vagrant act. Had we officers whose business it should be to ferret out such scoundrels and bring them to justice, they could yet be found and given their just deserts. The MINING JOURNAL does not like street peddlers any more than did this riotous rabble; but as they had paid a license for the privilege of selling, they were certainly entitled to protection. The fault lies in the granting of the license. The sheriff left the city on the following day after having demanded and received that portion of their license money to which they were entitled by reason of being compelled to leave before their time. Their impressions of Marquette will not be of the most pleasant kind, and the story they will relate of their usage not very flattering to our city.

MICHIGAN.—Those individuals so anxious to force us into a newspaper controversy will please bear in mind that we do not believe in redressing real or imaginary grievances in that manner.

Genial M. J. recently caught the plate of a baseball shoe in a sidewalk plank, and as a result wears his lip in a sling, and has to turn 'round when he wants to smile.

Mr. A. L. Johnson has commenced work on the walls of what is to be a fine building, on his new lot east of the drug store.

Mr. M. J. Canning has purchased the house and lot on Second street, formerly owned by James Tamblin, and will improve and occupy it as a residence, which same, and he single, we don't understand.

A. B. Johnson and Peter Sundberg have returned from Chicago without hope for the restoration of the latter's sight.

Nic. Simons, of the Champion, disposed of a car load of potatoes in town this week.

Notoposers are up for a teachers' examination at Spurr, Saturday, June 3d.

The meeting of the Michigan Waits club, held in the hall last Wednesday evening, was well attended and much enjoyed by all who participated.

The welcome sound of the Spurr whistle is again heard. Pumping at the mine was commenced last week, since which time there has been no stoppage, the pumping machinery all being utilized to good effect, under the direction of Mr. A. C. Davis, than whom no better manager or more thorough gentleman can be found anywhere.

The several township rolls heretofore were open for inspection the past week, but few felt inclined to inspect.

The saw mill has commenced active operations under the efficient management of Mr. McCallum.

Messrs. Wm. Edwards and Richard Uren, of Houghton, are about to re-open what is known as the Sheldon mine, situated about midway between this place and Spurr. Machinery will be purchased and operations commenced at once.

MUNISING.—Mr. Hendrie has been out on the line, where he was pressed into service as "best man." Look out, old boy, it's "catchin'."

Now, see here, you impetuous grangers from the outside world, if you want any more information concerning this part of God's foot-stool, you had better enclose a stamp. We're willing to furnish paper and envelope if the inquiries do not come too thick and fast so that we will be compelled to hire a clerk to answer them. For the benefit of all, we will again say that our lands are good, second rate farming lands, and that they may be purchased at from \$25 to \$5 per acre. Why do not the holders of lands in this section advertise in the MINING JOURNAL if they wish to sell?

Mr. J. P. Brown, county Wls., granger, we have no real estate for sale—except an interest in a grave yard, in which we will cheerfully give you a claim.

Mr. J. B. Weller has succeeded in getting his "drive" of board timber down Stone river.

Dad Sawyer, of Laughing Whitefish fame, is now located at Rock river station. A good square meal is always on the table—with plenty of spic.

The general health of the employes on the line of the railroad is good. We anticipated quite a good deal of sickness on the breaking up of winter, but happily have been disappointed.

We are informed that a fifty-ton furnace stack will be put up at Munising this season. Good.

The Manistique Pioneer goes off on the county question as follows: "The question of dividing the county will undoubtedly remain unsettled until another winter; and in the meantime we hope our people will investigate the matter for themselves, and not jump at the conclusions of some hired attorney from another county." We are not under any apprehension but that the matter will keep well, and have no doubt but that the province of Manistique will fare worse in the next legislature than it would have done in the present house. We will now prepare a conundrum for the Pioneer to unravel while we are waiting for the next term of the legislature: Why is the county seat of Schoolcraft county like a new pair of breeches with a rent in the seat?

We are not in the least envious of Manistique in the matter of her newspaper. Next to the MINING JOURNAL we cordially welcome the Pioneer.

CALUMET.—A very sad case of accidents poisoning occurred here last week. Mr. Henry Cogan, our night watchman, had a child who was suffering with a bad cold and cough and in administering medicine the mother made a mistake giving it a teaspoonful of carbolic acid from a bottle which was standing near the cough mixture. Both bottles being of the same size and the medicines alike in color, she did not discover her mistake until too late. The infant, which was about two months old, living but a short time afterward. This accident should be a warning to people to keep poison locked up, so that they cannot get mixed in with medicines intended for internal use.

Red Jacket has got the "moving fever" this month. Many changes have been made by some of the smaller stores and saloons, following being some of them: The saloon business has been discontinued by the Northey Bros., and their place is now occupied by T. F. Powers, attorney. Dr. Walker, dentist, removes to Hancock, and his present quarters will be occupied by John Dunstan, the sewing machine man. Jas. Lisa, who has been clerking with Nappa & Co. for a long time, has quit their employ and gone into the Fitzgerald building, opposite Serier's drug store, at which place he will keep a boarding house and green grocery store. Mathias Helf, saloonist, has removed to the Mills' building lately occupied by Hans Hagen, the latter having gone to the Menominee range.

Dr. Q. E. Andrews leaves to-day for Moorehead, Minn., at which place he has a valuable tract of farming land. We very much regret losing so pleasant a gentleman as the doctor. Dr. Jennings takes the position lately held by Dr. Andrews as resident physician of the Oscoda mine.

Dr. Peter Mogstad intends leaving here early in June to take up his residence on the Menominee range. The doctor has been eminently successful as a practitioner here, and the community will miss him very much.

The streets have been thoroughly cleaned, which makes it very much pleasanter for those who visit the village. But there are backyards and out houses that escape the eye of the public, from which the germs of contagious and deadly diseases are constantly being wafted out upon the air to be inhaled. It is of the greatest importance that a board of health be appointed to examine carefully into the sanitary condition of our village.

Calumet, May 15th. I. I. I.

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MICHIGAN.—Those individuals so anxious to force us into a newspaper controversy will please bear in mind that we do not believe in redressing real or imaginary grievances in that manner.

Genial M. J. recently caught the plate of a baseball shoe in a sidewalk plank, and as a result wears his lip in a sling, and has to turn 'round when he wants to smile.

Mr. A. L. Johnson has commenced work on the walls of what is to be a fine building, on his new lot east of the drug store.

Mr. M. J. Canning has purchased the house and lot on Second street, formerly owned by James Tamblin, and will improve and occupy it as a residence, which same, and he single, we don't understand.

A. B. Johnson and Peter Sundberg have returned from Chicago without hope for the restoration of the latter's sight.

Nic. Simons, of the Champion, disposed of a car load of potatoes in town this week.

Notoposers are up for a teachers' examination at Spurr, Saturday, June 3d.

The meeting of the Michigan Waits club, held in the hall last Wednesday evening, was well attended and much enjoyed by all who participated.

The welcome sound of the Spurr whistle is again heard. Pumping at the mine was commenced last week, since which time there has been no stoppage, the pumping machinery all being utilized to good effect, under the direction of Mr. A. C. Davis, than whom no better manager or more thorough gentleman can be found anywhere.

The several township rolls heretofore were open for inspection the past week, but few felt inclined to inspect.

The saw mill has commenced active operations under the efficient management of Mr. McCallum.

Messrs. Wm. Edwards and Richard Uren, of Houghton, are about to re-open what is known as the Sheldon mine, situated about midway between this place and Spurr. Machinery will be purchased and operations commenced at once.

MUNISING.—Mr. Hendrie has been out on the line, where he was pressed into service as "best man." Look out, old boy, it's "catchin'."

Now, see here, you impetuous grangers from the outside world, if you want any more information concerning this part of God's foot-stool, you had better enclose a stamp. We're willing to furnish paper and envelope if the inquiries do not come too thick and fast so that we will be compelled to hire a clerk to answer them. For the benefit of all, we will again say that our lands are good, second rate farming lands, and that they may be purchased at from \$25 to \$5 per acre. Why do not the holders of lands in this section advertise in the MINING JOURNAL if they wish to sell?

Mr. J. P. Brown, county Wls., granger, we have no real estate for sale—except an interest in a grave yard, in which we will cheerfully give you a claim.

Mr. J. B. Weller has succeeded in getting his "drive" of board timber down Stone river.

Dad Sawyer, of Laughing Whitefish fame, is now located at Rock river station. A good square meal is always on the table—with plenty of spic.

The general health of the employes on the line of the railroad is good. We anticipated quite a good deal of sickness on the breaking up of winter, but happily have been disappointed.

We are informed that a fifty-ton furnace stack will be put up at Munising this season. Good.

The Manistique Pioneer goes off on the county question as follows: "The question of dividing the county will undoubtedly remain unsettled until another winter; and in the meantime we hope our people will investigate the matter for themselves, and not jump at the conclusions of some hired attorney from another county." We are not under any apprehension but that the matter will keep well, and have no doubt but that the province of Manistique will fare worse in the next legislature than it would have done in the present house. We will now prepare a conundrum for the Pioneer to unravel while we are waiting for the next term of the legislature: Why is the county seat of Schoolcraft county like a new pair of breeches with a rent in the seat?

We are not in the least envious of Manistique in the matter of her newspaper. Next to the MINING JOURNAL we cordially welcome the Pioneer.

CALUMET.—A very sad case of accidents poisoning occurred here last week. Mr. Henry Cogan, our night watchman, had a child who was suffering with

New Advertisements.
 ESTABLISHED 1856.
 Instruction in Assaying and Analysis a
 Specialty.
G. A. MARINER,
 Analytical and Consulting
CHEMIST,
 81 So. Clark St., Rooms 49, 51 & 53, CHICAGO.
 Assays and analyses of all kinds. Chem-
 istry applied to Mining, Geology, Useful Arts,
 Metallurgy, Medical, Legal, and Food Adulter-
 ations. 67y

WROUGHT IRON Steam Pumps,
BEASS
 And Iron Goods,
 &c.,
 Manufactured by
 Crane Bros. Mfg Co
 10 N. Jefferson St., CHICAGO.
W. BINGHAM & CO.

Hardware,
 Iron, Nails and Metals, Railway and
 Mining Supplies.
 148 and 150 Water St.,
 W. Bingham, H. C. Blossom, J. E. Greene. CLEVELAND, O.
 408y

**M. R. MANHARD
 & CO.,**
 MARQUETTE,
 Have the largest and most complete stock of
 Builders' and Mechanics'
HARDWARE!
 On the U. P. Sole agents for the Michigan
 Stove Company's
STOVES AND RANGES!
 which are not to be excelled in price or quality.
 Also a full line of
PAINTS, OILS AND VARNISHES!
 Immense stock of
 Wooden Ware and House Furnish-
 ing Goods.
 Particular attention given to Plumbing and
 Gas Fitting, Tin and Sheet Iron work. 634

100,000 ACRES
 —ON THE—
MEMONIEE RANGE!
 IRON EXPLORING OPTIONS to responsible
 parties in tracts of 80 acres for low royalties.
 Maps of any township desired on application.
 Also
 Pine, Cedar and Hardwood Timber
 Lands
 in quantities to suit in Menominee, Delta and
 Marquette counties.
 100,000 Acres Charcoal Timber
 Lands
 Convenient to the railroads now in operation,
 and more along projected lines.
 JAS. B. GOODMAN & CO.,
 68 Washington St., CHICAGO.
 60y

A. MATHEWS,
 Land, Tax and Exploring
 Agency,
 MARQUETTE, (L. S.) MICHIGAN.
 Land office business a specialty. Land
 Warrants and Scrips bought and sold.
 All kinds of Maps made to order 65y

CHAS. E. WRIGHT,
 Iron Expert,
 ANALYTICAL CHEMIST AND MINING
 ENGINEER,
 Commissioner of Mineral Statistics, State of
 Michigan, and Geologist on Wisconsin
 Geological Survey. Will attend to
 exploration of mineral lands.
 MARQUETTE, MICHIGAN.

GEO. P. CUMMINGS'
LAND AGENCY,
 Lands bought and sold. Taxes paid. Tres-
 pass prevented.
 Explorations for Minerals, Timber,
 &c., a specialty. 631f

BOTTLED BEER.
ROHL BROS.,
 Bottlers,
 Corner Spring & Third Streets,
 MARQUETTE, MICH.,
 Are now ready to supply the Trade and Fam-
 ilies with

MESKE & HOCH'S
 Lake Superior Lager Beer.
 [665m3]

[First publication May 7, 1881.]
SHERIFF'S SALE. Notice is hereby given
 that by virtue of a writ of fieri facias issued
 out of the circuit court for the county of Mar-
 quette, in a cause depending in said court,
 wherein Edward Breitung is complainant, and
 Charles T. Harvey and Sarah V. E. Harvey are
 defendants, in favor of said Edward Breitung,
 complainant, against the goods, chattels, lands
 and tenements of said Charles T. Harvey, de-
 fendant, in said county, to me directed and deliv-
 ered, I did, on the twenty-first day of April, A. D.
 1881, levy upon and take all the right, title and
 interest of the said Charles T. Harvey, in and to
 the following described real estate, that is to say:
 All that certain parcel of land within the following
 described boundaries: Beginning at the south-
 west corner of section five (5), township forty-
 seven (47), north range twenty-six (26) west;
 running thence north eleven and twenty-one
 hundredths chains, thence south seventy-one
 degrees fifteen minutes, east fifteen and nine-
 ty one-hundredths chains, thence south sixty
 degrees thirty minutes, east five chains, thence
 south fifty degrees twenty minutes, east, five
 and fifty one-hundredths chains to the east
 and west section line, thence west on section
 line twenty-three and ninety-two one-hun-
 dredths chains, to place of beginning, contain-
 ing fourteen and eighty-five hundredths acres,
 more or less; all of which I shall expose for
 sale at public auction or vendue, to the highest
 bidder, at the front door of the court
 house, in the city of Marquette, in said county,
 on the twenty-first day of May, next, at ten
 o'clock in the forenoon.
 Dated this seventh day of May, A. D. 1881.
 JOHN JEFFREY,
 Sheriff of Marquette county.
 M. H. CROCKER, Solicitor for Complainant.

ACTUAL BARGAINS!
 Worthy of inspection, at the
CLOTHING HOUSE!

THE LARGEST STOCK!
THE FINEST STYLES!
THE LOWEST PRICES!
 A Complete, Fresh Stock of
GENTS' CLOTHING!
BOYS' CLOTHING!
CHILDREN'S CLOTHING!
 Full line of all the latest styles and novelties in Gents' Furnishings
 and Hats and Caps.
 666tf C. MARKWELL, Prop'r.

**E. O. STAFFORD
 & BRO.,**
 DEALERS IN CROCKERY, CHINA,
 GLASSWARE,
 LAMP GOODS AND
 DECORATED WARE.
 —Also a fine line of—
Basket Ware and Fancy Goods.
 Out-of-town orders solicited and promptly filled.
 COR. FRONT & WASHINGTON STS., MARQUETTE, MICH.

**THE GREAT
 GERMAN REMEDY
 FOR
 RHEUMATISM,**
 Neuralgia, Sciatica, Lumbago,
 Backache, Soreness of the Chest,
 Gout, Quinsy, Sore Throat, Swell-
 ings and Sprains, Burns and
 Scalds, General Bodily
 Pains,
 Tooth, Ear and Headache, Frosted
 Feet and Ears, and all other
 Pains and Aches.
 No Preparation on earth equals St. Jacobs Oil
 as a safe, sure, simple and cheap External
 Remedy. A trial entails but the comparatively
 trifling outlay of 50 Cents, and every one suffering
 with pain can have cheap and positive proof of its
 claims.
 Directions in Eleven Languages.
**SOLD BY ALL DRUGGISTS AND DEALERS
 IN MEDICINE.**
A. VOGELER & CO.,
 Baltimore, Md., U. S. A.

[First publication May 14, 1881.]
**STATE OF MICHIGAN, COUNTY OF MAR-
 QUETTE, ss.**—At a session of the probate
 court for the county of Marquette, holden at
 the probate office, in the city of Marquette, on
 Monday, the ninth day of May, in the
 year one thousand eight hundred and
 eighty-one, present, Hon. Edward S. Hardy,
 Judge of probate. In the matter of the
 estate of Francis Doll, deceased. On reading
 and filing the petition, duly verified, of Susan
 Kremer, praying that administration of said
 estate may be granted to Jacob Fret, of Mar-
 quette city. Thereupon it is ordered, that Mon-
 day, the 6th day of June next, at ten o'clock in
 the forenoon, be assigned for the hearing of said
 petition, and the hearing thereof, by causing a
 copy of this order to be published in the MINING
 JOURNAL, a newspaper printed and circulated
 in said county of Marquette, three successive
 weeks previous to said day of hearing.
 EDWARD S. HARDY,
 Judge of Probate.
 629y

HELP Yourself by making money
 when a golden chance is offered,
 and thereby always keeping poverty
 from your door. Those who al-
 ways take advantage of the good
 chances for making money that are offered,
 generally become wealthy, while those who do
 not improve such chances remain in poverty.
 We want many men, women, boys and girls to
 work for us right in their own localities. The
 business will pay more than ten times ordinary
 wages. We furnish an expensive outfit and
 all that you need, free. No one who engages
 fails to make money very rapidly. You can
 devote your whole time to the work, or only
 your spare moments. Full information and
 all that is needed sent free. Address STIMPSON
 & CO., Portland, Maine. 68y

WAGONS!
BUY THE BEST.

**THE JACKSON
 "Common Sense,"**
 Manufactured by
AUSTIN, TOMLINSON & Co.
 Especially adapted to
 Lake Superior Roads.
MAJ. JOHN BEEDON, Ag't
 Marquette, Mich.
DR. O. D. JONES,
DENTIST,
 Frei's Block, Marquette, Mich.
 Teeth extracted without pain or injury to pa-
 tient. Charges moderate and in keeping with
 the times. 606tf

THE NATIONAL DRILL & COMPRESSOR Co.
 Air Compressors, Rock Drills,
 HOISTING ENGINES,
**ENGINES,
 BOILERS,
 & PUMPS.**
 76 & 78 Centre St., N. Y.

H. H. STAFFORD
 Calls the attention of consumers to his large and complete assortment of
Staple and Fancy Stationery,
 And is prepared to furnish Mining Companies, Offices, &c., at bottom prices.
 —HE ALSO CARRIES THE MOST COMPLETE STOCK OF—
Drugs,
CHEMICALS, SUNDRIES, &c.,
 West of Milwaukee,
 And solicits orders for same from parties out of town.
H. H. STAFFORD,
 Druggist and Stationer, Marquette, Mich.
 663y

**IF YOU WANT GOOD
 COFFEE,**
 Buy the roasted or ground Java and Mocha,
 prepared by Murray & Robbins, and you will
 get the best to be had in any market.
 The majority of intelligent people have be-
 come convinced that it is better for the stomach,
 and economical to the purse, to pay a fair price
 for a genuine article, rather than a low price for
 mixed and inferior goods, and when you buy
 Murray & Robbins' best grade of coffee you
 are getting nothing but coffee, and that of su-
 perior quality, carefully roasted, and possessing
 all the aroma which it is possible to retain.
 Sold in Ishpeming by Myers, Wright & Co.
LION brand of GROUND SPICES are
 perfectly pure and put up in net weight cans.
OUT-OF-TOWN ORDERS FILLED PROMPTLY.

RIVERSIDE IRON WORKS,
 DETROIT, MICH.,
Lake Superior Iron Works,
 HOUGHTON, MICH.,
 Manufacturers of
 Mining and Saw Mill Machinery, Portable, Stationary and
 Marine Engines, Turner's Improved Steam Valve, Blake's Stone
 and Ore Crusher, Etc., Etc.
 —AGENTS FOR—
 Judson's Standard Governor, and Blake's Patent Steam Pump.
 SAMUEL F. HODGE, No. 320 Atwater St., Detroit, Mich.
 645y HARRY S. HODGE, Agent, Drawer 46, Houghton, Mich.

Eagle Mills,
MANUFACTURERS & BUILDERS.
 Seasoned and Dressed Lumber, Ceiling, Siding, Flooring, Lath, Pick-
 ets, Dressed and Headed or rough, Shingles, Sash, Doors, Blinds, Mouldings,
 Brackets; all kinds of Scroll Work, etc. Window and Door Frames, Hem-
 lock Well Plank, Spruce Ladder Stuff, Lagging for Steam Pipes. Bills
 cut to order. Estimates for Buildings in any part of the county.
F. W. READ & CO.,
 Eagle Mills, Marquette Co., Mich.
 639

[First publication May 7, 1881.]
**IN THE DISTRICT COURT OF THE UNITED
 STATES for the Eastern District of Michigan.**
 In bankruptcy. In the matter of Cor-
 nelius Donkersley, bankrupt. Notice is hereby
 given that a petition has been filed in said
 court by said bankrupt under the provisions of
 the act of congress of March 2, 1867, as amended
 for a discharge from all his debts provable un-
 der said act, and that the 31st day of May, A.
 D. 1881, at 10 o'clock a. m., before Mr. James
 E. Dalliba, Register in Bankruptcy, at his
 office, in the city of Marquette, Mich., is as-
 signed for the hearing of the same, when and
 where all creditors who have proved their
 debts, and other persons in interest may at-
 tend and show cause, if any there be, why said
 petition should not be granted.
 D. J. DAVISON,
 Clerk of said Court.
 668w3

DETROIT MUTUAL BENEFIT
 Associator,
R. J. COOKE, Agent,
 Office with Watson & Palmer.
 651m6 MARQUETTE, MICH.

[First publication May 7, 1881.]
LAND OFFICE AT MARQUETTE, MICH.,
 May 3rd, 1881.
NOTICE is hereby given that the following
 named settler has filed notice of his claim
 to make final proof in support of his claim,
 and secure final entry thereof, on Saturday,
 June 11th 1881, at 10 o'clock a. m. viz: William
 Miller, homestead entry No. 753, for the
 south half of south-west quarter of section 10,
 township 47 north range 24 west, and names the
 following as his witnesses, to prove his con-
 tinuous residence upon and cultivation of
 said tract, viz: William Haneman, Carl Held-
 man, Charles Cunda and S. Zarbal, all of Har-
 vey, Mich.
 H. H. STAFFORD, Register.
 667w4

SPRING & SUMMER, 1881.
 Having been appointed by the celebrated
 house of
DEVLIN & Co., NEW YORK,
 their agent for taking orders for
Custom Clothing,
 I am now ready to exhibit samples of their
 entire Piece Goods Stock, representing all the
 latest novelties from the leading markets of
 the world.
 As Messrs. DEVLIN & CO. guarantee a per-
 fect fit or no sale, I have no hesitation in as-
 suring my customers that they will be perfect-
 ly satisfied in every respect, both as to mate-
 rial, workmanship, and price.
 It will be for your interest to give me an
 early call, and leave your orders for the com-
 ing season.

J. R. PETERSON,
 MARQUETTE, (L. S.) MICH.
REMOVED.
 The Largest
HARNESS FACTORY
 On Lake Superior,
SPENCER'S!
 Next to Opera House.
 655y MARQUETTE, MICH.

**THE LAKE SUPERIOR
 SHIP CANAL,**
RAILWAY AND IRON CO.
 450,000 Acres of Land in the
 upper peninsula of Michigan
 for sale or lease.
**IRON MINES,
 COPPER MINES,
 SILVER MINES,
 SLATE QUARRIES,
 MARBLE QUARRIES,
 SANDSTONE QUARRIES,
 MILL SITES, WATER POWER,
 FURNACE LOCATIONS (with fuel),
 CEDAR TIMBER,
 POPLAR TIMBER,
 HARDWOOD TIMBER,**
 1,500,000 feet of PINE
 TIMBER owned by this
 company.

These lands were selected by experts, for
 mineral or timber, at a time when but very
 little land had been purchased from the Gov-
 ernment in their vicinity, consequently the
 lands of the company are invariably the most
 desirable for either minerals or pine or other
 timber in the district in which they lie.
 For terms, lists, etc., apply to
 J. M. LONGYEAR, Agent,
 Marquette, Mich.
 64y

NATIONAL HOTEL,
 Spring St., MARQUETTE.
 I have leased the above named hotel and have
 refitted and refurbished it throughout.
EVERYTHING NEW AND FIRST-CLASS
 Commercial Travelers are given First
 Class Facilities.
 Table unsurpassed by any other hotel in
 city or vicinity. Terms reasonable, and atten-
 tion assured. W. A. JELLISSON, Prop'r.
 596tf

ANNUAL MEETING.—The annual meet-
 ing of the stockholders of the Teal Lake Iron
 Mining company, of Michigan, will be held at
 the office of Elisha A. Packer, Trinity build-
 ing, number 111 Broadway, in the city of New
 York, on Wednesday, the 23rd day of June,
 A. D. 1881, at 11 A. M., for the purpose of elect-
 ing directors for the ensuing year, and of ratify-
 ing leases made of the real estate of the
 said company, or to authorize the sale of any
 real estate belonging to the said corporation.
 Dated New York, May 11th, A. D. 1881.
 THOMAS F. MASON, President.
 CHAS. H. HAWKS, Secretary. 669w4

CHAMPION IRON COMPANY.—The regular
 annual meeting of the stockholders of the
 Champion Iron Co. will be held at the office
 of the company, No. 37 Franklin street, Boston,
 Mass., on Thursday, May 26, 1881, at eleven
 o'clock a. m., to elect directors for the ensuing
 year, to vote upon a motion to change the
 time of holding the regular annual meeting,
 and to transact any other business which may
 legally come before them.
 By order of the Directors: W. E. STONE,
 Secretary. 667w4

[First publication May 7, 1881.]
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 named settler has filed notice of his claim
 to make final proof in support of his claim,
 and secure final entry thereof, on Saturday,
 June 11th 1881, at 10 o'clock a. m. viz: William
 Miller, homestead entry No. 753, for the
 south half of south-west quarter of section 10,
 township 47 north range 24 west, and names the
 following as his witnesses, to prove his con-
 tinuous residence upon and cultivation of
 said tract, viz: William Haneman, Carl Held-
 man, Charles Cunda and S. Zarbal, all of Har-
 vey, Mich.
 H. H. STAFFORD, Register.
 667w4

At last opportunity to...
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 664tf
 If yo-
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 JOHN P.

The Mining Journal.

ISHPEMING, MAY 21, 1881.

At last Ishpeming will have an opportunity to grow in at least one direction. The Cleveland Co. has laid out a new addition, which comprises over a hundred building lots on the Deer Lake road. The location of the new addition is better than any part of the city for residence purposes. The ground is high and dry, besides being level, and the lots are large. We expect to see this become our fashionable residence district ere long.

A MEMBER of the Herbert theatrical conglomeration of unexcelled contortionists was assaulted by some unknown parties on the street in the rear of the Nelson house last Sunday night. An oyster can was shied at his head, hitting him square on the cheek and cutting a gash an inch long, from which gore trickled down upon his shirt collar. Thinking he was about to be robbed of his week's salary he lit out for his lodgings at a lively pace, leaving the assaulting parties to gloat over their attempt at highway—what would you call it?

NEW PASTOR.—The vacancy in the pulpit of the St. John's Catholic church of this city, caused by the resignation of Rev. Father Brown, is now permanently filled by the Rev. H. J. Rosseau, formerly of the village of Norway. He arrived here Thursday, and will hold his initiatory services tomorrow. Father Rosseau comes here a comparative stranger to the people he is to live among, but appears to be a pleasant, kind natured man, is no doubt an earnest worker in the cause, and there is no question but that he will endeavor himself to his congregation.

SENATOR SWIFT left for the halls of state on Monday's train. In an interview with him as to the probable length of time the legislature would remain in session, the senator said he would not be surprised should it hold on all through the summer—that there were many important bills pending that demanded careful consideration, especially the anti-treating bill—which had just passed the senate—and the Saginaw land grabbers grant, both of which he favored, although the former only received his vote after being amended so as to leave the amount of the fine at the option of the justice of the peace. Mr. Swift claims this is the only "temperance" measure he has favored during the session, and that at the capital he is regarded as one of the solid nine who oppose sumptuary laws. The senator will return to his constituency in about ten days for another brief respite.

(To the Editor.)

HAVING met with a severe reprehension as being the author of that paragraph which appeared in your last week's issue, written by a "New England correspondent," I beg of you a small space through your precious columns to insert a few words indicative of my vindication as not being the author of said correspondence. The letter, as I understand, relates to neither masculinity nor femininity; then, of course, it must be a person of neuter gender which signifies, correctly speaking, neither the one nor the other. However, I think myself very unfortunate, Mr. Editor, to be condemned for writing against the fair sex, as I always find it is my natural propensity to act with perfect courtesy to them in all the spheres of life. It is true, this "miss" is considered to be an angel among the New England gentlemen. Her eye spreads brightness everywhere, and her presence sheds a halo around their hearts and crowns them with wreaths of glory. Her love, it seems, is to be prized more than all the wealth of crowns, and her charms constitute the main feature of the sunshine of life; in fact, is the truest, rarest light of social joy, which gleams upon the young gentleman in many cases. Reverting to my vindication, let me say that I don't require the ill-feeling—none of that feminine hatred which clings around any person like cobwebs, or like the gossamer folds of delicate drapery; no, sir; when your reporter comes to publish anything of this description regarding the "ladies," he may as well, first as last, advertise in the MINING JOURNAL thus: Wanted—a wife; must be strong, well skilled in domestic economy, sprightly and gay, etc., etc. From certain quarters I learn the young gentleman was out-ridden, who was the supposed author of the last communication, and who is a lover of celibacy. For my part, am heartily sorry for that young gentleman, which may be the means of hushing him to a premature grave. This gentleman has much magnetic attraction about him, that the ladies should beware. His features are symmetrical, his cheeks of crimson hue, his eyes soft and brilliant, and his expression serene and placid. I don't wish to comment any farther, but herewith affix my signature as a guarantee of good faith, and which vindicates myself veritably. Yours, without a struggle,

Wm. Whitford.

Dated May 18, 1881, New England.

NEW GOODS

—At—

BRAASTAD & CO.'S.

We are in receipt of an entire new stock of spring and summer goods at our two stores on Cleveland avenue. In our main store we have an elegant line of Dry Goods, Fancy Goods, Notions, Boots and Shoes, Groceries, Crockery and Tinware. In our Cl. thing Store on the opposite side of the street we have a fine stock of Ready-Made Clothing, Hats and Caps, Gents' Furnishing Goods, Trunks, Valises, &c. Having increased our facilities we are better prepared to carry larger stocks and greater variety and give our customers the benefit of large assortments in every branch. We keep a good quality in every line of goods, and give our customers advantageous bargains. Our Meat Market is always full of the best quality of Fresh, Salt and Smoked Meats of every kind. You can't do any better than to patronize us.

Yours truly,

BRAASTAD & CO.,

Ishpeming.

661tf

If you want beef just from the slaughter house and in prime condition, go to JOHN P. OUTHWAITE'S.

658

BEEF slaughtered and dressed here is much better than that bought from the butchers below and shipped here a week or so after, and as I dress all my own beef I give my customers the best to be had.

NEW LINE and large stock of wall paper of every grade at BRAASTAD & CO.'S. Come and see them.

I PURCHASE none but live cattle carefully selected, and have them dressed and prepared at my own establishment, enabling me to supply my customers with fresh meats of the very best quality.

MUTUAL BENEFIT LIFE INSURANCE Co., of Newark, New Jersey. Assets, \$35,000,000. One of the strongest companies in the world.

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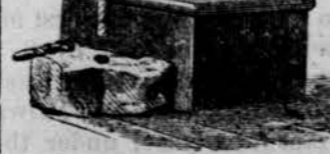
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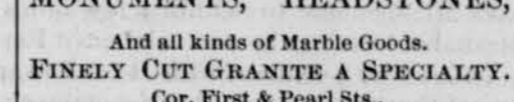
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ANNUAL REVIEW

OF THE

IRON MINING AND OTHER INDUSTRIES OF THE UPPER PENINSULA OF MICHIGAN.

THE TAYLOR MINE

Is located in the north-west quarter of section 9, town 49, range 33, Baraga county, about ten miles south-east of the village of L'Anse. The land on which the mine is situated is owned by the Marquette, Houghton & O. R. R. company, by whom it has been leased for a term of years to the Taylor Iron company, a corporation organized under the general laws of the state in the summer of 1880, and of which the officers are as follows:

President—JAY C. MORSE;

Vice President—SAMUEL SCHOCH;

Secretary and Treasurer—JAMES PICKANDS;

Work was commenced by the lessees last summer, in a deposit of soft brown hematite, the quality of which will be appreciated when it is stated that the two cargoes shipped before the close of navigation, being carefully tested on the docks at L'Anse by the buyers, were reported at an average of 60 per cent. of metallic iron. It is likewise very low in silica, but contains about .09 of phosphorus and cannot, therefore, be classed as a Bessemer ore. Shipments were retarded last season by the delay in the completion of a branch railway about two miles in length, and which was not finished until late in the fall. The two cargoes shipped, amounting to 1,110 tons, gave the best of satisfaction, and will be supplemented by a product of at least 15,000 tons the present year. At the present writing the workings cover about 200 feet of a deposit 25 feet wide, the strike of which is due east and west, with a northerly dip. The deposit is a very clean one, there being very little rock mixture, and but little care being required in selecting the ore. This deposit has been traced a considerable distance west by test pits, though its width in that direction has not been fully determined. About 200 feet south of this deposit there is an outcrop of hard ore about 1,000 feet in length, analyses of which show from 64 to 65 per cent. of metallic iron, but which is altogether too high in phosphorus. The ore is very similar to that of the Commonwealth, on the Menominee range, and there is apparently a very large body of it, though as yet no effort looking to its development has been made. The Taylor is a new mine, but one which gives promise of large and profitable results in the near future. At present it gives employment to a force of about 25 men.

THE MENOMINEE DISTRICT

When or by whom the first discovery of ore was made on the Menominee range is not positively known to the writer, whose attention was first called to the existence of ore in what must hereafter be known as the south belt of the district, by S. P. Saxton, in February, 1857. The specimens then shown were from what is now known as the Breen mine, which is in Section 22, Town 39, Range 28, and which had been discovered the summer or winter previous by Thomas and Bartley Breen. The specimens were not such as to commend the new district to the favorable attention of capitalists seeking investments of the kind, taking into further consideration the fact that the newly discovered deposit was then far remote from any line of railway. The late Judge Ingalls, together with the Breen brothers and Mr. Saxton, were strong in the faith, however, that they had discovered the nucleus of what was destined sooner or later to become one of the most important iron mining districts in the country, and, though possessed of little capital, they held on to their proprietary interests in the region, and patiently awaited the developments which they felt certain must come in the near future. It is probable that the existence of iron ore on the range in question was known before the discovery made by the Breen brothers, but to them belongs the honor of having first brought the range into such prominent notice as to lead to the subsequent examinations through which the large extent and excellent quality of its ore deposits was finally established. The late Judge Ingalls was, from the start, an enthusiastic believer in the great mineral wealth of the region, and never tired in his efforts to secure its early development.

In this connection it is proper to say that as early as 1855 the veteran explorer, Silas C. Smith, commenced exploring on what he called a new range, which he followed south and east from Lake Michigan to within a few miles of "Sand Point," now Escanaba, locating the now celebrated Republic mine on the way. In 1866, under a contract with Hon. Edward Breitung, he located several thousand acres in the Menominee range. In 1867 he again visited the same locality and entered additional lands, his interest in which he subsequently sold to David Morgan and others.

In 1871 the Chicago & Northwestern railway line was extended from Fort Howard to Menominee, and in the following year the gap between the latter village and Escanaba was closed. Until explorations revealed the existence of large and valuable deposits of iron ore in what is now known as the Menominee range, it had been the intention of the Northwestern Company to follow the bay shore route; but, with a view to the ore traffic which might ultimately be secured, the road was so located as to make the prospective new mines easily accessible by a branch line. The line as built extends almost due north from Menominee forty miles, to a point within twelve miles of the Breen and Emmet mines, and from thence almost due east to Escanaba, a further distance of twenty-four miles. The legislature of 1876 granted a subsidy of seven sections of state swamp lands per mile to the Menominee River railroad company to "promote the early construction of a railroad through the Menominee iron range." The railroad thus provided for was completed to the Vulcan mine, in Section 10, Town 39, Range 29, in the summer of 1877, and from thence dates the rapid progress which has characterized the development of a number of most valuable mines. In the meantime, and subsequent to the discovery at the Breen, the Lake Superior and Portage Lake Ship Canal company located in that region a large part of the 400,000 acres granted to it by the general government, and upon which have since been found many valuable deposits of ore. Under the auspices of this company surveys and explorations were made by Prof. Pumpelly and Dr. H. Credner, but their report was hardly such as to warrant the investment of capital in the new district, owing to the fact that their examinations were principally confined to lean outcroppings which were calculated to condemn rather than commend the region so far as the quality of its ores was concerned. Maj. Brooks, in his geological report of 1873, while conceding the quantity, left an implied doubt as to the quality of the ores, though he referred to the fact that soft hematite ores never outcrop, and left the reader to infer his belief from the closing remark that, "if pure high grade ores be abundant in the Menominee region, they might not yet have been found from the little work that has been done."

That question was practically settled soon afterwards by Hon. John L. Buell, who, in 1873, made the explorations which led to the opening of the Quinnesec mine, and exerted himself with good effect in bringing the region into prominent and favorable notice. The year previous to Mr. Buell's discovery of the Quinnesec deposit, the Milwaukee Iron Company did some work at the Breen, under an option for a lease, but in the following fall or spring operations were transferred to the Vulcan, some four miles further west. The developments made by Mr. Buell and the Milwaukee company established beyond cavil the excellent quality of the ores, but the development of the mines was necessarily delayed by the lack of transportation facilities, which were not supplied till late in the season of 1877, and then only to the Breen and Vulcan mines. The railroad was completed to the Quinnesec the following spring. Since the beginning—four years ago—the shipments from the mines of this new range have been as follows:

Table with 2 columns: Year, Gross Tons. 1877. 10,405 1878. 94,245 1879. 289,089 1880. 562,193 Total. 965,932

Contributed by the several mines as follows:

Table with 2 columns: Name of Mine, Gross Tons. Breen. 17,328 Chapin. 34,556 Commonwealth. 30,741 Curry. 9,643 Cyclops. 66,554 Emmet. 65,355 Florence. 14,143 Keel Ridge. 11,496 Ludington. 8,516 Norway. 198,165 Perkins. 49,196 Quinnesec. 52,436 Stephenson. 23,089 Vulcan. 187,343 Total. 965,932

The product of 1880 is apportioned to the several mines as follows:

Table with 2 columns: Name of Mine, Gross Tons. Breen. 5,359 Chapin. 34,556 Commonwealth. 30,741 Curry. 21,851 Cyclops. 14,398 Emmet. 31,358 Florence. 14,143 Keel Ridge. 11,496 Ludington. 8,516 Norway. 198,165 Perkins. 49,196 Quinnesec. 52,436 Stephenson. 23,089 Vulcan. 86,976 Total. 562,193

The foregoing tables show a most remarkable as well as gratifying progress in the work of development—very nearly a million tons within a period of a little more than three years after the first shipment was made in 1877. The mines of the Marquette district did not attain an annual production equal to that of those of the Menominee range in 1880, until the year 1868, though the first openings were made in 1847, and the first actual shipment in 1857. Remarkable as the exhibit is, however, it can be truthfully said that the region is still in its infancy, and that the progress hitherto made is almost certain to be continued until the maximum of production is reached. The number of shipping mines will be considerably increased the present year, while some of those which were not supplied with shipping facilities until late in the season last year will come to the front with a largely increased product—notably the Chapin, Florence and Commonwealth. The extension of the C. & N. W. R'y to the new and important discoveries north-west of Florence, and the building of a branch from the main line to the Felch Mountain range, will undoubtedly be followed, if not anticipated, by the development of a sufficient number of new mines to duplicate the annual product of those now in operation. These lines are now under contract to be built, and will most probably be completed in time to enable some of the new mines to ship considerable ore the present season.

Regardless of the fact that the writer a year ago visited the mines of the Menominee range, he has been prompted to go over the same ground again and incorporate a report of his examinations with his review of the mines of the Marquette district, though with the risk of more or less repetition. Connected with the history of the range there are, however, many new features worthy of note, and as it is the desire to make these papers, when printed in pamphlet form, a book of ready reference, and one which will be of value to the future historian, the several mines will be reviewed seriatim, commencing with

THE EMMET MINE,

Which is the most easterly one on the range, though not the first in order as to date of discovery or development. It is located in the north-east quarter of the north-east quarter of Section 22, Town 39, Range 28. The deposit lies in the edge of a swamp, and has an east and west trend, with southerly dip. Work was commenced in the summer of 1878, by the Emmet Mining Company, of which the late Judge Ingalls was president, Bartley Breen, secretary, and Thomas Breen, treasurer. In the spring of 1879 the Kimberlys, of Sharon, Pa., purchased the one-half interest owned by the Breen brothers, and effected an arrangement by which they secured the control, paying a royalty on the other half interest owned by Judge Ingalls, and at the same time secured a lease of the 40-acre tract on which the Breen mine is located. The ore body at the Emmet dips under the swamp to the south at an angle of about 60 degrees, and some fears were entertained last year as to the security of the hanging-wall, which appeared to be merely the thin, upturned rim of the swamp basin. No difficulty has been experienced, however, on that account, and the mine is, perhaps, in as safe condition to-day as it ever has been. At the time of the writer's last report the workings consisted of open pits, extending over a length of from five to six hundred feet, the ore body carrying a width of about 75 feet, and which had been worked out to a depth of 50 feet. There were two distinct varieties of ore—one a soft, blue specular, and the other a soft, brown ore of apparent good quality, the latter underlying the former. At this writing, a shaft in the main pit is down 185 feet from the surface in the brown ore, the ore having been stoped out to a depth of 140 feet. From the bottom of this shaft a cross-cut has been made south 15 feet, and a drift driven 30 feet north-west and the same distance south-east, in nothing but mixed ore. The ore was found badly mixed all the way down from the old level of a year ago, and, in consequence, mining operations were suspended early in the spring of the present year. Two holes were bored with the diamond drill, one to the north 140 feet, at an angle of 40 degrees, without satisfactory result, and the other south 60 feet through mixed ore and jasper, and a seven-foot vein of good ore, which, last, however, had been worked on the surface. The management is now drilling in the edge of the swamp, through the hanging-wall, with a horse-power drill. The property will be further explored with the aid of the diamond drill during the summer, upon the result of which the resumption of mining operations in the future wholly depends. It is proper to state that these observations are not based on a personal examination of the mine, which is full of water, but entirely on the statement of an officer of the company, who is our authority for the further statement that mining operations will not be resumed by the present owners and lessees unless the explorations to be carried on during the summer result in the discovery of something better than is now known to exist on the property.

Since the beginning, the product has been as follows:

Table with 2 columns: Year, Gross Tons. 1878. 11,523 1879. 22,474 1880. 31,358 Total. 65,355

The officers of the company are as follows:

President—SAMUEL KIMBERLY; Vice-President—GEORGE BOICE; Secretary and Treasurer—REUBEN WILLIAMSON; General Agent—E. P. FOSTER.

THE BREEN MINE,

Which adjoins the Emmet on the west, was the first mine opened on the range, the first work being done in 1870, by S. P. Saxton, who sunk several pits and cut two long trenches across the formation with such favorable indications that the Milwaukee Iron Company entered into a contract for a lease, under the terms of which the explorations were continued. The Menominee Mining Company afterwards obtained a lease of the property and expended a large amount of money in trying to develop a profitable mine, but in the spring of 1873 surrendered its lease, subsequent to which time mining operations were prosecuted by the Breen Company with indifferent success, until the mine finally passed into the hands of the Emmet Mining Company, as lessee. The annual shipments from the Breen have been as follows:

Table with 2 columns: Year, Gross Tons. 1877. 5,812 1878. 4,694 1879. 1,463 1880. 5,359 Total. 17,328

The Emmet Company has in turn surrendered its lease of the

Breen, and the mine is not now being wrought.

THE MENOMINEE MINING COMPANY

Owens either in fee simple or by leasehold six of the principal mining properties on the range—the Vulcan, Cyclops, Norway, Quinnesec, Chapin, and Florence. Of the entire product of the range up to the close of 1880, these six mines are to be credited with no less than 701,971 tons, or very nearly 75 per cent. of the whole. Of the 562,193 gross tons shipped from the range in 1880, the following amounts were contributed by the mines belonging to this company:

Table with 2 columns: Name of Mine, Gross Tons. Chapin. 34,556 Cyclops. 14,398 Florence. 14,143 Norway. 198,165 Quinnesec. 52,436 Vulcan. 86,976 Total. 400,644

A little more than 67 per cent. of the whole amount, and of the approximate value of \$3,171,438, in the Cleveland market. These figures represent the amount for which the ore was actually sold, and it is doubtful if there be any other iron mining corporation in the world which can present so good an exhibit in the way of gross earnings. Certainly there is not in the whole of the great west one which gives employment to a larger number of men, or which pays out more money in the conduct of its business affairs; it paid last year considerably more than a million of dollars for the transportation of its product, while its labor account must have been simply enormous, as compared to that of any other company engaged in iron mining in either district. Large as its expenditures must have been, however, it is more than probable that the company realized a fair profit on its gross earnings—but on that point the writer has not sought or obtained any information of an authentic character. It would be a strange thing, nevertheless, if a company with such rarely efficient management, and the product of whose mines is so eagerly sought for, should not have closed its yearly accounts with a very comfortable balance to the credit of its shareholders; it is meet and proper that it should be so; a combination of capital for legitimate purposes, the active employment of which furnishes comfortable homes and a livelihood to hundreds of workmen and their families, merits a return in the way of profits fully commensurate with the risk incurred, to say nothing of the benefits conferred upon the business interests of the immediate locality as well as of the country at large.

To the indomitable, persistent pluck and enterprise of J. J. Hagerman, of Milwaukee, and A. C. Brown, of Marinette, the Menominee Iron Range is much indebted for the rapid progress which has been made in its development. The first named gentleman remained steadfast and ardent while others grew weary and faltered in the face of a hope long deferred; iron men, who at first joined him in the projected enterprise, which finally culminated in the organization of the Menominee Mining company, and the subsequent development of its group of valuable mines, and who failed him at the most critical moment, have since expended large sums of money in trying to find that which they could have had for a mere trifle, compared to its present value, in the beginning. It was through Mr. Hagerman's influence and under his auspices that the first practical effort was made to prove the value and bring into prominent and favorable notice the now known to be immense iron ore deposits of this new district. As general manager of the Milwaukee Iron company he began the work at the Breen mine in 1872, and at the Vulcan the following year, subsequently organizing the Menominee Mining company, and devoting the whole of his time and untiring energy in an effort to secure the transportation facilities without which the work which has accomplished such grand results could not be proceeded with. The railway was completed to the Breen and Vulcan mines, as stated, late in the fall of 1877—less than four years ago—in time for the shipment of a few cargoes—a little over 10,000 tons—so it will be seen that nearly the whole of the aggregate product shown in the foregoing tables was raised within a period of only three years, and the major part of it the result of Mr. Hagerman's original well directed efforts. Even his enemies may be permitted to congratulate him on the perfect realization of the sanguine anticipations which encouraged him to persevere in a work the accomplishment of which has not only enriched him, but added millions to the productive industry of the upper peninsula.

The officers of the Menominee Mining company are as follows:

President—J. J. HAGERMAN, Milwaukee; Vice-President—J. H. VAN DYKE, Milwaukee; Secretary and Treasurer—GEO. D. VAN DYKE, Milwaukee; General Agent—A. C. BROWN, Vulcan, Mich.; Superintendent—N. P. HULST, Vulcan, Mich.; Ass't Superintendent—JEFF DAY, Vulcan, Mich.

The most easterly of the Menominee Mining company's group, and the first one reached by rail going west, is

THE VULCAN MINE,

Which is 18 miles distant from the junction of the Menominee River Branch with the main line. It was originally known as the Breitung mine, the first opening having been made on a tract of land in which the Hon. Edward Breitung owns, or did at the time own, an interest. This was in section 10, town 39, range 29, where work was commenced in 1873, very little being done, other than in the way of exploration, until after the building of the branch railway was assured in the spring of 1877. The track reached the mine in August of that year, since which time the shipments have been as follows:

Table with 2 columns: Year, Gross Tons. 1877. 4,593 1878. 38,799 1879. 56,575 1880. 56,576 Total. 157,543

The mine workings at the Vulcan have been extended since the original opening was made westward into the south-east quarter of section 9, and easterly over a mile into the south half of section 11, to the openings known as the East Vulcan. These workings are located in a range of hills, the summit of which is from 50 to 100 feet above the railway level, and the ore belt can be traced by small "leaders" all the way from the East Vulcan to a point west of the most westerly pit. The old original Vulcan mine, now known as No. 1 pit, is on the line between sections 9 and 10, access to which was had through a tunnel some fifty or sixty feet in length, and at least thirty feet above the switch track, through which and over an incline tram-way the ore was, and still is, conveyed to the dock and pockets. This tunnel cut the ore deposit at a depth of about 50 feet below the outcrop, the original opening consisting of a pit about 250 feet long and at least 75 wide at the center, narrowing down to the east and west, and finally becoming exhausted in the bottom. This pit, after being worked out to a considerable depth below the tunnel level, was abandoned and filled up to the level of the tunnel with waste rock. A crossing of rock cut off the ore to the east, while to the west, at the lowest level to which the old pit was worked, the vein was narrower and pitched rapidly to the west. This part of the vein, being followed, was found to widen out rapidly, until at a depth of 75 feet below the bottom of the old open pit, it has attained the uniform width of not less than 80 feet for a length of 250 feet, with a solid breast of ore of that width at the east end. To the west, however, the vein narrows down to a point, which is accounted for by the rapid pitch of the ore in that direction, the vein gaining in length and width in that part of the pit at each succeeding level. There appears to be nothing but pure ore between the walls on the present level, above which there is still a large amount of ore remaining to be broken. The pit is being worked in chambers 20 feet wide, and extending the whole width of the vein, leaving alternate pillars of ore of the same thickness. Something after the Nevada style of timbering has been adopted, which consists of heavy bents, framed and substantially braced, with lagging overhead and on the foot and hanging-wall sides. The plan is to sink in lifts of 50 feet, and take out the ore in 12-foot overhead stopes; the lower chamber being mined out and substantially timbered, work is then commenced on the one immediately above, the ore from which is dropped through an aperture in the lagging, left for the purpose, and so on until the four stopes are exhausted. The mine is thus made perfectly se-

...and it will be an easy matter when the proper time comes to remove the pillars in which is left as much ore as is taken out of the chambers. This No. 1 pit is in itself a large mine, with every indication of many years of profitable production. There are two skip-roads in this pit, one of which is used exclusively for lowering timbers into the mine, and the other for hoisting the ore out. The landing is in the old open pit at the inner end of the tunnel, at which point is situated the pocket through which the ore is dumped direct from the skip into the tram-cars.

About 200 feet west is No. 2 shaft, which is located a short distance back in the foot-wall. This shaft is down 160 feet, and in it a skip-road has just been completed. The vein at this point shows a width of about 30 feet, but narrows down going west the same as elsewhere on the upper levels, which fact is accounted for by the continued rapid pitch of the ore to the west.

Six hundred feet north of No. 1 and 500 feet west is No. 3 pit. Here there are three skip-roads on the incline of the vein, reaching to a depth of 200 feet, in the same number of shafts, which are connected through at the bottom, the vein having been opened up over a length of 600 feet, and carrying an average width of 15 feet. A drift has been made from the bottom of No. 1 skip-road 300 feet east, all the way in ore, while a diamond drill hole 100 feet still further east shows 15 feet of ore at that point. A similar drift west from No. 1 laps that running east from No. 3, thus showing that they are in separate and distinct bodies or lenses of ore. The dip in No. 3 is about 45 degrees to the south, the hanging-wall being a clay slate, and the foot a hard jaspery slate. There is nothing but clean ore between the walls, which are kept apart by pillars of ore which have been left standing, with an unusual number of heavy stulls—the ore in the pillars becoming hard and firm on exposure to the atmosphere.

About 600 feet west of No. 3 an exploration pit has exposed a deposit of clean ore, in which, however, not enough work has been done to determine its extent. From it, however, has been raised during the past six months an average daily product of 25 tons, with a working force of only ten or twelve men.

In one of the "leaders" in the brow of the hill, already spoken of, about half a mile east of No. 1 pit and immediately north of the company's store, a shaft has been sunk through 60 feet of slate rock and into a deposit of clean, blue ore, the extent of which, however, is not yet known.

What is known as the East Vulcan mine is located on the south half of the south half of section 11, a little more than a mile east of No. 1 pit. Here some important developments have been made during the past winter. At this point what appeared to be a vein of very fine ore 35 feet in width was stripped over a length of 200 feet in the spring of 1880. In this vein work was prosecuted during the past year, the vein proving to be about 12 to 14 feet in thickness, and being worked out in an open cut to a depth of 55 feet over a length of, perhaps, 125 feet. The ore was found to contain considerable alumina—not up to the high standard of that mined at the other pits—and it was consequently kept separate and shipped under a different name (Lowell) in order not to impair the reputation of the Vulcan. Since the close of the shipping season last year, a shaft has been sunk 50 feet below the bottom in the east end of the open pit, in ore of the Lowell quality, from the bottom of which, however, a drift, after passing through 12 feet of jaspery rock and soapstone, penetrated six feet of clean blue ore; the same drift being driven 15 feet further north cut an 8-foot vein, or lens, of fine blue ore very similar to that of No. 1 pit, except that it is much harder. About 70 feet west and 20 feet north of the old exploration shaft in the so-called Lowell pit, a shaft has been sunk 123 feet in soft blue specular ore fully as good as that found in No. 1. From the bottom of this shaft drifts have been driven 54 feet east and west, and 49 feet north and south, all in ore of the same quality. This deposit appears to lie in the shape of an inverted kettle, and will be worked by sinking a shaft to the bottom and then working upward by an overhand stope, adopting the Nevada system of timber supports. It is possible, however, that this deposit will ultimately be found a part of a regular vein, or lens, extending to the east or west, or in both directions, considering the fact that other deposits have been found and are being wrought on either side of it.

About 1200 feet west by north of the Lowell pit, is No. 3, where the vein has been explored over a length of 150 feet, by sinking two shafts 50 and 130 feet, respectively, and connecting them by a drift from the bottom—the shafts and drift being all in ore of excellent quality. No. 4 is 300 feet west of No. 3, but as yet is simply an exploration pit, but with a good show of ore. No. 2 pit is one-fourth of a mile east of No. 1, (Lowell), and is 80 feet long, 20 feet wide and 70 feet deep at the deepest part. The west end does not look very promising, but the ore continues good to the east, where the deposit seems to take the shape of the new find just north and west of No. 1. North of No. 2, 200 feet, a shaft has been sunk 60 feet through sandstone, with ore in the bottom. A drift north through slaty rock struck ore at a distance of 12 feet. North-east of No. 1, another shaft is going down through the sandstone to tap a supposed extension of the blue ore deposit lying north of the Lowell. Aside from the new discovery near the Lowell, first referred to, the indications are most promising for the ultimate development of large deposits of good, first-quality ore at the several workings of the East Vulcan. It is reasonably certain that this part of the mine will double its product of last year, while the newer developments have improved the quality of the ore to such an extent as to give it a place in the market alongside the best ores of the district.

The machinery at the Vulcan embraces a No. 8 Ames boiler and one of Merritt's portable hoisting engines, with two drums, at No. 1, east Vulcan, with an exact duplicate throughout at No. 2; a No. 10 Ames boiler and 10x16 engine, with two of Merritt's interior gear 30-inch drums, two derricks, and one No. 6 Ames boiler for pumping purposes at No. 3; one No. 8 Ames, and one 4x14 boiler, one 6x10 duplex, and one 10x16 engine, one 2-foot and two 4-foot Fraser & Chalmers drums, with 7-inch Cornish pump attached to same shaft, at No. 1, old Vulcan; two 4x14 boilers, one 12x24 engine and three 4-foot Fraser & Chalmers drums, which operate the skip-roads, and one 12x18 engine which works the Cornish pump in No. 3, besides several small drums for sinking.

Capt. Jerome Schwartz is mining captain at the west, and his brother John at the east end of the Vulcan—both skillful miners who have had many years' experience in the older mines of Marquette county.

The Vulcan gives employment to an average force of 450 men, while the buildings on the two locations, including those belonging to employees, number about 160. The company maintains a large general store, at which its employees are furnished with dry goods, groceries and provisions at the lowest cash prices, though all are free to purchase elsewhere if they choose, being paid their monthly wages regularly on the 15th of every month. The office of the general agent and superintendent is at the depot location, as is also the summer residence of the president, and the neat and substantial dwellings of the superintendent and his assistant. The location is a most beautiful one, overlooking, as it does, a picturesque sheet of water known as Lake Humbury, which is well stocked with the gamiest of fish. The soil in the immediate vicinity is a rich sandy loam, and the writer was particularly pleased to note the number of fine gardens surrounding the homes of the officers and employes of the company.

About one mile north of west of the Vulcan is the now celebrated

NORWAY MINE.

Which is located in the south half of Section 5, Town 39, Range 29, on lands leased from the Portage Lake & Lake Superior Ship Canal Company. The lease embraces all of Section 5, except 200 acres in the north half. The first work was done in August, 1878, since which time the shipments have been as follows:

Table with 2 columns: Year, Gross Tons. 1878: 7,276; 1879: 73,619; 1880: 198,165.

Total: 279,060. It is doubtful if any other iron mine in the world was ever known to raise as large a product, in the third year after being opened, as that achieved by the Norway in 1880. None of the great mines of the Marquette district have ever exceeded the Norway's figures, with the single exception of the Republic and Lake Superior, and those only once, and after they had been wrought for many years.

The formation at the Norway has an east and west trend, and is very irregular, the dip being to the south. The first opening was made near the east line of the section, in an open pit, but since then the ore deposit has been opened up over a length of more than a quarter of a mile. The workings embrace what are known as the Stephenson, Perkins and No. 3 and 4 shafts, and a series of open pits numbered from 1 to 9 respectively. In his paper a year ago the writer referred to the fact that there were two separate and distinct parallel veins at the east end, one of which is tapped by the Stephenson and the other by the Perkins shaft, and both of which are being worked as underground mines. These veins, or lenses, are about 100 feet apart, and both dip at about the same angle to the south. The Stephenson shaft, which takes its name from an adjoining mine, is in the north vein, and, together with the Perkins, which is in the south vein, is down 180 feet to the third level. The north, or Stephenson vein, carries a width of about 20 feet, the ore having nearly all been stoned out on the first and second levels, over a length of about 150 feet west of the section line. The Perkins vein has a uniform thickness of 15 feet, and has been stoned out to about the same length and depth as the Stephenson. The ore in these two veins differs in appearance, but is of about the same quality. A cross-cut between these two veins, on the third level, revealed the existence of an intermediate deposit lying parallel to the others, the ore of which corresponds with that of No. 1 pit, which is about 125 feet west of the Perkins shaft, and near the east end of which is located No. 3 shaft. No. 1 is a round open cut 60 to 75 feet across the top, and 75 to 80 feet deep. After about 25,000 tons had been taken out of this pit, rock showed itself all over the bottom, and it was supposed the deposit had been practically exhausted. Subsequently some scammers were set to work to take up the small amount of ore which showed in the bottom, and in a short time it opened up as large as ever, and it is now once more being profitably wrought. No. 1 is connected with No. 3 shaft, through which its product is raised to the surface, and it will hereafter be worked as an underground pit. In the Perkins vein a stretch of barren ground was struck at the west end, beyond which are pits 2 and 3, now really one open cut, 10 to 12 feet wide and 45 feet long, with the ore continuing in the east end. This pit is undoubtedly a part of the Perkins vein, the ore being of the same quality. About 130 feet west of the barren ground spoken of, there was a narrow and shallow vein which was exhausted at a depth of 20 feet; this ran into No. 4 pit, which is an open cut 80 to 90 feet deep, from the bottom of which, at the east end, a shaft has been sunk 60 feet, all the way in clean ore. There is an abrupt widening of the ore deposit at this point, the width being from 30 to 40 feet from the east end over a length of 75 feet to a 30-foot pillar which forms the division wall between Nos. 4 and 5. A drift from near the bottom in the east end of No. 4 has been driven eastward 250 feet to No. 4 shaft, (which is about 50 feet west of No. 1 pit), all the way in ore, but some of it rather mixed. The width of vein through which this drift extends has not been definitely determined, but in another running west from the Stephenson on a lower level, the miners are taking up a stope from wall to wall, and the vein is found to be from 30 to 40 feet wide, and the ore all of good quality. No. 5 is a counterpart of No. 4, in all respects; there is nothing but clean ore in the bottom, while a large stope remains unbroken in the west end. A shaft in this pit is connected by a drift from the bottom with that in No. 4, on the same level, the shaft and drift showing nothing but clean ore.

In No. 6, immediately west, the ore body widens very perceptibly, but its actual width cannot be definitely known until greater depth is attained, for, though the foot-wall has been exposed to view, there is no hanging yet to be seen. Some rock is showing in the bottom, and it is possible that the foot-wall may be assuming a flatter dip; but there is still a large body of ore standing on the hanging-wall side, and the deposit is certainly large enough to stand all the compression it is likely to receive from the coming in of the foot-wall, and yet remain large enough for all practical mining purposes. The pit is about 100 feet long. No. 7 is a duplicate of No. 6, except that the deposit continues to widen, while the foot-wall appears to be coming in more rapidly. In No. 8 the deposit measured 160 feet in width at the top; the ore has been mined out to a depth of about 75 feet at the foot of the skip-road, with stopes of ore 25 feet high remaining on all except the foot-wall side, with others of the same height on the level above. There is here a very large body of ore—the largest, perhaps, to be seen in any one pit in either district—though there are horses of rock here and there, which will have to be removed as the mine work progresses. Fortunately, these horses of rock and lean ore are so placed as to occasion little trouble, except as to the cost of breaking and hoisting. As in No. 7 there is no telling the actual width of the deposit in the present condition of the pit. There is a large amount of ore standing on the hanging-wall side, and in only one place is anything having the appearance of a hanging-wall visible; where any rock does occur on that side the ore appears to be making around and behind it. The ore in Nos. 6, 7 and 8 is probably a part of the Stephenson vein, while the Perkins, it is believed, extends along the foot-wall side, the theory that the two form a junction in No. 5 or 6 being no longer entertained, since there is no similarity between the ore in this part of the mine and that of the Perkins vein.

No. 9 adjoins 8 on the west. Here the deposit was capped over with from two to ten feet of horizontally bedded sandstone. Very little work has been done in this pit except to remove the rock covering. The deposit, so far as uncovered, is about 125 feet wide, the ore apparently pitching rapidly to the west.

West of No. 9, 80 feet a shaft has been sunk through 80 feet of sandstone and conglomerate, from the bottom of which a drift to the south-east passed through 60 feet of ore, crossing the formation diagonally. Two hundred feet still further west the diamond drill penetrated 40 feet of ore, drilling at right angles with the dip; a shaft is sinking to the deposit at this point. Three other drill holes further west show about the same amount of ore, thus giving an almost unbroken, but somewhat irregular, run of ore over a quarter of a mile in length. When this fact is taken into consideration with the great width of the deposit from the east end of No. 5 to the west stope in No. 8, the magnitude of the mine, as a whole, can be easily comprehended, and no one need be at a loss to know where the magnificent product of 1880 came from.

There are four plants of hoisting machinery, conveniently located in as many engine houses. No. 1 engine house, at the upper or west end of the mine, contains one 11x16 engine and two Fraser & Chalmers 30-inch drums; in No. 2 engine house, which is located just north of No. 2 and 3 pits, there is a 10x20 engine and six Fraser & Chalmers 30-inch drums; No. 3, just north of pit 8, contains an immense 22x48 Corliss engine, which drives four 5-foot Fraser & Chalmers and two Lane drums of the same size; in No. 4, near No. 1 shaft, there is a 10x16 and one 5-foot Lidgerwood double cylinder reversible hoisting engine, and one 4-foot Lane drum. A 7-inch Cornish plunger pump in No. 1 shaft is operated from No. 4 engine house, it being the intention to drain all the pits through this one shaft. The steam for these engines is furnished by three 4x14, two 4x16 and one 3x13 boilers.

Captain John Oliver, for many years in the employ of the Lake Superior Iron company, and a careful and experienced miner, fills the position of mining captain, without a doubt to the satisfaction of the general management.

Well equipped machine, blacksmith and carpenter shops are located convenient to the mine, in which all the company's trammers and repairs are made and other necessary work done. A large general store supplies the employes with goods, while a laboratory is maintained in which all necessary assays are made. Water works, located half a mile north of No. 3 engine house, supplies the location with pure water from a running stream. The mine affords steady employment to about 450 men, though the pay rolls invariably show a much larger number, the average being given based on the amount of wages paid. There are over 200 buildings of all kinds on the location, not including those of the adjacent village of the same name.

THE CYCLOPS MINE

Is on the same tract with the Norway, and was opened in October, 1878, since which time the shipments have been as follows:

Table with 2 columns: Year, Gross Tons. 1878: 6,028; 1879: 46,858; 1880: 14,363.

Total: 66,549.

At the start the Cyclops was regarded as one of the most remarkable mines on the range; within thirty days after work was commenced, a daily average product of 150 tons had been reached, and was steadily maintained for some months at a merely nominal cost for mining. The mine did not, however, meet the expectations of the management, though a very fair product was attained the second year, by the end of which the deposit appeared to have been pretty well exhausted. The original opening is in the south-eastern slope of a high hill, where the formation has a nearly east and west strike, the ore dipping at an angle of about 50 degrees to the south. This opening was made in a vein, or lens, about 20 feet wide at the top, but which narrowed down to a small compass at a depth of not over 50 feet. At some little distance east of this cut a shaft was sunk to a corresponding depth, from which an underground stope was carried west towards the open pit, from which the principal part of last year's product was mined. There is still some ore in the bottom of the old pit, and it is now the intention to sink a shaft and cross-cut the formation north and south at a much greater depth. An effort was made last year to explore this part of the property with the diamond drill, but the character of the ground was such that no core could be obtained. In speaking of the Cyclops the writer last year remarked that "it is believed, and with reason, that if the vein does not again widen below the present level of the mine, the drill will reveal the existence of other deposits, above what now appears to be the hanging, or below the present apparent foot-wall."

The work thus far done can hardly be considered other than merely a partial exploration. Notwithstanding, therefore, the present dubious outlook, the writer will not be surprised if the future of the Cyclops should yet prove all that could reasonably have been expected of it in the beginning. It is true that no such revelations as were suggested as being the probable result of boring into the foot and hanging walls have been made, for the reason that the diamond drill could not be successfully operated owing to the character of the ground; but, nevertheless, discoveries in other parts of the tract go far towards a confirmation of the theory then advanced. North-west of the old pit 60 feet, and higher up the hill, a shaft has been sunk 85 feet in a deposit of rich blue ore, the quality of which is equal to the best on the range. On the surface this deposit shows a width of 40 feet, but a cross-cut from the bottom of the shaft, north and south, reveals the fact that the ore has gained 10 feet in width in sinking 85 feet, while drifts east and west show a run of 90 feet of ore, with no sign of exhaustion in either direction. Midway between the old pit and the shaft just spoken of, a 14x16 shaft is down 20 feet in the same quality of ore, but will be abandoned, it having been determined to strip the deposit and commence work in an open cut. About 200 feet west of the west shaft the ore outcrops, thus indicating that there is at this point a continuous run of ore over 800 feet in length. The writer now ventures the guess that the same ore will be found extending north and underlying the foot-wall of the old pit—all such predictions, coming from any source, are mere guess work. At all events the new discovery is a most important one, and adds a value to the Cyclops which it has never heretofore possessed, notwithstanding it has hitherto been a paying property. A double incline tram-way is being constructed from the new openings to the shipping docks and pockets, and the writer confidently looks for a largely increased product the present year—certainly, as compared with last.

One of Merritt's portable engines does the hoisting, the steam being supplied by a 3x13 boiler. About 20 men are employed, but the number will necessarily be largely increased as soon as work is fairly begun in the newly discovered deposits. Capt. John Oliver, of the Norway, has charge of the mine work.

The Rolling Mill mine was sold at chancery sale on Wednesday to parties representing Luther Beecher, and it is understood that work will be immediately resumed.

The Lake Superior Iron mine, Marquette county, Mich., shows more ore in sight to-day, and is looking better than at any time since its first opening, a period of about 24 years. This goes far toward showing the extent of hard ore deposits. The Lake Superior Iron Mining Company are now mining at the rate of 250,000 tons for this season, and being now entirely free of debt should pay to the stockholders from \$40 to \$50 per share this season, a most remarkable result. This is considered the most valuable property in Lake Superior, owning over 15,000 acres of land in fee simple, and if the above output is fully realized, it will be a greater product than has ever been attained by any iron mine in the country. This company has also a considerable income from mines leased on royalties.—Ex.

The Cleveland correspondent of Bradstreet's says "the situation of the ore market is quite interesting. The well known and strictly Bessemer ores are essentially sold up for the season, but there is a large stock of non-Bessemer ores still unmarketed. Furnaces are generally holding back, not so much for the purpose of bearing the market as to await a favorable turn in prices of manufactured iron, which will enable them to see their way through a season's stock of ore at figures demanded by producers. It is probable that three-fifths of the entire Lake Superior product for the current season is now sold; and still the majority of furnaces have not bought any, a very few a partial stock, and still fewer their season's supply. A larger amount than before has been sold to Chicago—fully 650,000 tons—and it is almost certain that more than this amount will be consumed at the local charcoal furnaces there and upon the lakes, leaving the Shenango and Mahoning valleys and Pittsburgh with a smaller surplus to draw upon than they have expected. Such are the theories of ore men here, and, with few exceptions, they are holding prices steadily. They mention most of the furnaces making pig iron for the general market, and say that they have no supply of ore, and that time will certainly bring them into the market."

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MARQUETTE, MONDAY, MAY 30. ESCANABA, Friday, May 27. NEGAUNEE, Saturday, May 28. MARQUETTE, Monday, May 30. ISHPEMING, Tuesday, May 31. HANCOCK, Wednesday, June 1. Houghton, Thursday, June 2. CALUMET, Friday, June 3.

Heywood's Mastodon Brass Band will march through all the principal thoroughfares. See the Grand Free-to-all parade, and listen to the splendid music. Do not miss the parade. J. M. HEYWOOD, originator of the Mastodons, who has traveled with and has managed the largest and most successful minstrel party ever organized, for sixteen years without the intermission of a single night—a record no other manager in the world can produce, and prove the same—something for sensible people to consider. This mammoth organization cannot be sustained at concert hall prices and cheap theatrical rates, but the prices are placed as low as the capacity of the hall will allow, and will be placed at 75 cents for reserved seats, and 50 cents for general admission.

C. DE WITT SPAULDING, Ag't.

We "own up" on one point. The value fixed by the Mining Journal was \$17,361,923, instead of \$19,204,103, as stated in the Manufacturer. In making the calculation to find the value per ton we must have a mistake of our own for a. Making the necessary correction, then, the value per ton is \$5.55 instead of \$6.72. This, however, does not destroy the force of our argument in the editorial mentioned by the Journal. Eresh \$5.75 per ton for Lake Superior iron ore "on board vessel," is several dollars too much. We say "on board vessel," notwithstanding the Journal says, in the extract quoted, that the value of the ore "in the market" was given by it. To place this beyond cavil we quote the Journal's introductory to its table giving the tonnage and approximate value of the same on board vessel. Now, if the Mining Journal can find, or can find any other person who can find, the words "in the market" in the above extract, which is quoted from its own introductory, we will "retire from the contest." And then to lag in "freights, insurance, commissions, etc.," as constituting a part of the value of iron ore "on board vessel!" We submit this is not like the bold and aggressive Mining Journal of "ye olden time."—Am. Manufacturer.

The following table exhibits the entire output of the upper peninsula iron mines, during the year 1880, together with the approximate value of the same on board vessel.

Table with 3 columns: Name of mine, Gross tons, Value to Market. Includes entries for Barren, Cleveland, Hematite, etc., with a total of 24,902 tons valued at \$222,550.00.

Now, deduct the lake freights, insurance, and commissions, and you have the value of the ore on board vessel; deduct rail freights from the mines to the lake side, and dockage, and you have the value at mine. We submit that the Manufacturer is not the frank, ingenious Manufacturer of "ye olden time"—or it would not, for the sake of argument, take advantage of what it knows to have been an error in the extract it quotes, and which the heading over the column of values shows to have been such. But were it otherwise, the editor of the Manufacturer knew, if he knew anything, from the figures themselves, that he was attempting to place the MINING JOURNAL in a false position. He knows that \$8.75 per ton was a high estimate of the approximate value of the 1880 product on the docks at Cleveland, and yet he disingenuously argues the question against the mines from a standpoint of \$8.75 on board vessel—a basis he knew to be wrong, and which if actually stated by us, as it was not, he ought to have been manly enough to correct rather than take an unfair advantage of. Wipe the out corner of your eyes, Mr. Manufacturer, take another look at our report for 1881, and then remember and act upon the maxim that "an honest confession is good for the soul!"

SHIPMENTS.—The following is a statement of lake shipments of iron ore for the season of 1881, up to and including May 18:

Table with 2 columns: Name of mine, Gross Tons. Includes entries for Chapin, Commonwealth, Curtz, etc., with a total of 80,902 tons.

The following is a statement of shipments made from the Menominee Mining Company's mines by lake, from opening of navigation to Wednesday May 18, inclusive:

Table with 2 columns: Name of Mine, Gross Tons. Includes entries for Chapin, Florence, Norway, etc., with a total of 27,735 tons.

(First publication April 9, 1881.) STATE OF MICHIGAN, COUNTY OF MARQUETTE, ss. In the matter of the estate of Myrtle Campbell, a minor. Notice is hereby given, that in pursuance of an order granted to the undersigned guardian of the estate of Myrtle Campbell, a minor, by the Honorable Judge of Probate for the County of Wayne, on the 28th day of March, A. D. 1881, there will be sold to the highest bidder, at the front door of the court house in the City of Marquette, in said Marquette County, on Monday, the sixteenth day of May, A. D. 1881, at ten o'clock in the forenoon (subject to all incumbrances of mortgage or otherwise existing at the date of sale), the following described real estate, situated in the county of Marquette, and state of Michigan, to-wit: The north-west quarter of the south-west quarter of section twenty-eight (28), in Town forty-seven (47) north, in Range twenty-four (24) west. EMILY S. BLAIR, Guardian.

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Lands,

Slate Lands.

The lands of the MARQUETTE, HOUGHTON & ONTONAGON RAILROAD COMPANY are now brought to the attention of capitalists, iron-masters, lumbermen and explorers.

JOHN HORNBY, Land Commissioner, Marquette, Mich.

Outfit furnished free, with full instructions for conducting the most profitable business that anyone can engage in.

Look out for J. W. JOCHIM Next week!

DEER LAKE COMPANY MANUFACTURE

Lumber, Shingles, Lath, PICKETS, FLOORING, CEILING, SIDING, MOULDINGS.

City Office and Yard, C. & N. W. R'y, opposite Ishpeeming Foundry.

Artistic Paper-Hanging!

WALL PAPER,

Than ever before. You can find everything in the line of Gilt, Bronze, Micas, Velvets, Satins, Flats, Dados, Freizes, Whites, Buffs and Browns.

PAINTS & OILS!

YOU WILL FIND US HEADQUARTERS IN THIS LINE. The Osborn Family Paint, in quarts, pints and half pints, mixed all ready for use, all shades; Strictly Pure White Lead, in oil.

EVERY ARTICLE WARRANTED TO BE AS REPRESENTED.

FRED P. TILLSON, ISHPEMING, MICH.

J. Mallanney's

DRY GOODS AND NOVELTIES

Is now complete, and consists in part of all the latest novelties in

DRESS GOODS!

Cashmerettes, Beiges, French Buntings, Fancy Woolsens with Bayadere strips, &c., Trimmings, Armure Satins, Plain Satins, Brocade Satins, Satin Soliel—rainbow stripe—plain and brocade Silks, in all the leading colors, checks, plaids, stripes, &c.

DOLMANS, HAYELOCKS, JACKETS, ULSTERETTES, &c. Fancy Dress Buttons in all styles, Ladies' Muslin Underwear, Hosiery, Gloves, &c.

NOTIONS!

Samples sent by mail when requested. Call and see the new goods before buying.

J. MALLANNEY, Ishpeeming, Mich.



Send for Pamphlet DESCRIBING Air Compressors AND Rock Drills,

Now in use in the Calumet & Hecla, Quincy, Pewabic, Franklin, Atlantic, Osceola, Republic, Champion, Michigamme, Lake Superior, Iron Cliffs Co.'s Cleveland, and other mines in the Lake Superior mining region.

240 Broadway, N. Y. Rand Drill Company.

HERCULES POWDER

The Strongest, Safest and Most Economical EXPLOSIVE

Known to the Arts, for Hard Rock, Iron & Copper Ores, Boulders, Masses of Iron, &c. MANUFACTURED BY THE CALIFORNIA POWDER WORKS.

OFFICE, 184 SUPERIOR STREET, CLEVELAND, OHIO. J. W. WILLARD, AGT. C. M. WHEELER, Lake Superior Agent. Office at Marquette, Mich.

C. L. SHELDON,

BOOTS & SHOES

A FULL LINE OF THE CELEBRATED

Jefferson Goods!

NOW IN STOCK.

The reputation of this make of Boots and Shoes is unrivaled.

EVERY PAIR WARRANTED.

TUTT'S PILLS

INDORSED BY PHYSICIANS, CLERGYMEN, AND THE AFFLICTED EVERYWHERE. THE GREATEST MEDICAL TRIUMPH OF THE AGE.

SYMPTOMS OF A TORPID LIVER.

Loss of appetite, Nausea, bowels constive, Pain in the Head, with a dull sensation in the back part, Pain under the shoulder-blade, fullness after eating, with a disinclination to exertion of body or mind.

TUTT'S HAIR DYE.

The Mining Journal.

ISHPEMING, MAY 31, 1881.

CHICAGO & NORTH-WESTERN RAILWAY. Time of departure of passenger trains from Ishpeeming, in effect 1881:

BOILED shirts are again at the mercy of powdered hematite.

Now bring on your base ball clubs—we are ready for them.

F. J. EGGEN has built an addition to his house on Cleveland avenue.

The Ishpeeming Iron Co. will begin explorations on the property at once.

The smell of burning forests has pervaded our atmosphere for several days past.

The Lake Superior folks are sinking a stand-pipe on the location south of W. H. Johnson's residence.

MARRIED.—John McGinnis and Miss Mary Rosseau were married at Clarksburgh Thursday morning last.

The poles are all up for the new mining telephone line along First street, between the two depots.

We learn that the Cleveland Iron Co. purposes laying out a number of town lots on the Deer Lake road.

JOE LE SAGE, formerly of the Breitung house, Negaunee, waits on the customers at Mose Toutloff's place.

The Nelson house lawn is one of the prettiest spots in town, and many a street bovine looks on it with longing.

SIGNOR BOSCO holds the boards at Austin's to-night. He runs the usual prize lottery in connection with his show.

TALEEN, JOCHIM & Co. have something new to say in their advertisement this week. Read it and profit thereby.

New trees have been planted on the Nelson house grounds, in place of the old ones killed by the Barnum house fire two years ago.

The racket on the railroads now continues all night, and people living along the track are again training their nerves to endure it.

A BASE ball association was formed last Tuesday evening with C. H. Kirkwood as president; so the game will not languish in Ishpeeming this year.

The American house has again been opened to the transient, and the world at large, by Peter Gingrass, the owner of the house.

The Northwestern people have lengthened the platform at the passenger depot by adding a new section to the east end of it.

That sleeping car is to commence running through to this place next Monday, so it is said by those who ought to know.

The city will have to begin building new sidewalks again, to keep pace with the growth of the place and the various improvements going on.

FROM the way the tickets were sold during the week we should judge that Remenyi drew the bow before a large audience last night.

OUR streets are so crowded during these fine evenings that it is difficult for two to walk side by side in some localities.

THE probabilities are that the Ishpeeming boy will not have to pine all summer for a circus and see the snow come without having his craving satisfied.

WORK has been resumed on the new stone engine house at the Barnum. A large part of the machinery is on the ground ready to be placed in the building.

THE Ishpeeming paterfamilias who has just got over the throes of house cleaning, is breaking his back in the garden sowing seeds for the early frost to reap.

WHAT a fortune could be made by buying up all the real estate in town at the owners' valuation during assessment time.

D. F. WADSWORTH is building a residence for his own occupancy near the driving park. This will probably be the beginning of a move for building sites in that direction.

THE most plentiful things in the region just now are "indications." If a man has an option on a piece of property he is sure to find indications of ore, even if the real article is not to be found.

HE'S here—the street vender with his little gasoline lamp. Now the glib Ishpeeming miner will have his long looked for chance to relieve the extra pressure in his pocket book.

JUSTICE John Hanson returned from his prolonged Iowa visit last Saturday greatly improved in health. He is now ready, yea anxious, to tackle any and all the business that may legitimately come before the court.

THE city authorities have commenced the grading of First street and Cleveland avenue. Both streets are to be raised to the established grade wherever it has not already been done.

THE opening of navigation at Marquette and the arrival of ore barges has made the rattling through town of ore-laden trains a necessity. From now till the 15th of November there'll be business at the mines.

THE noise of the hammer and saw is heard all about the city from morning till night. Very many buildings are being improved and very many more ought to be. The carpenter, painter, and knight of the lime kiln are the busy citizens at this season.

STILL they come, but this time it will be some one worth seeing. John Dillon is booked to appear in Ishpeeming on June 4th. Now that is something like it. We can afford to get along without any more cheap theaters this summer.

PROF. H. N. VAUGHN, of Chicago, who is to spend the summer in Marquette, will, we are informed, organize a dancing class for juveniles in this city. The professor is one of the best instructors in the country, and is especially successful with children.

THE sigh goes up for a street sprinkler, but no one answers it. It will be a wail of despair when the warm winds commence to waft the finely ground hematite in dense columns up and down our streets. What is the use of waiting every year for a sprinkler until driven to starting one out? Why not move in the matter at once?

BROKE HIS LEG.—Phillip Papin, a miner at the Forest City, was sent to the hospital Wednesday with a fractured leg, which he received in this wise: He and another man were standing on a boiler making some changes in the pipes when the connection pipe broke. Both men jumped to the ground out of the way of the escaping steam, and Papin broke his leg by not landing square on his feet.

NEW BANK.—There is a man in the city who is about to start a bank—not a savings bank, but a genuine bank of deposit—faro. He came up on Monday's train and before he had been in the city twenty-five minutes he had given his profession and the object of his visit away—and to a reporter. It doesn't seem to us that there is any great necessity for such an institution, and we feel confident that the people of all classes will give this fellow and his game a wide margin.

THE foundation for the Lake Superior Co.'s new engine house is one of the heaviest pieces of work of the kind ever built. It is of solid masonry from the ledge to the floor level over the whole space which the building will cover. The masonry varies in height above the ledge from 8 to 22 feet. It is located over a tunnel leading to No. 1 shaft, which has been arched, thus enabling the company to run cars under the building. The improvements to be made at this mine the present summer will, by comparison, dwarf all former work of the kind.

THE period of buck beer and big heads has passed for a season and from now until the glorious Fourth he that would look upon the buck beer when it giveth its color in the schooner, when it moveth itself down his throat, will have to be satisfied with a lighter grade of Milwaukee sewer scum and rosin. Buck beer is a bad beverage for heads; yea, verily, buck beer bucketh with a mighty buck, inasmuch that the buckee riseth up in the silent watches of the night and feels more like a goat-ee than a victim of the buck.

THE little seven year old son of Mr. John Johnson, of Taleen, Jochim & Co.'s, was bit in the arm by a savage dog one day last week. While the lad was endeavoring to drive the strange dog from the yard, the brute jumped upon him and buried his teeth in the fleshy part of the arm, tearing away the muscles and leaving a horrible wound. The bite was promptly attended by a physician, and the child, though quite low, is improving. The dog was dispatched with a blunderbuss.

THE police court of justice Kennedy was busy with common drunks on Monday morning, and the following is the order in which they came: John Taylor, drunk and found sleeping under a barn Saturday night, fined one dollar and costs, equal to seven dollars; Wm. Cox, drunk and disorderly, same night—tried to surround the town—fine and costs the same; B. M. Lyksell, drunk and disorderly on the holy sabbath, same fine and costs amounting to five dollars. There were many other drunks that were not arrested, but their day of reckoning will come soon enough unless they mend their ways.

THE first meeting of the directors of the Ishpeeming Iron company was held Wednesday afternoon, when the following officers were elected: President, J. Q. Adams; treasurer, D. F. Wadsworth; secretary, C. R. Ely. The treasurer was instructed to sell 500 shares of the working capital stock at \$2 per share, and they were at once taken by D. F. Wadsworth. Five hundred more shares were then placed on the market at \$2.50. Arrangements were also made for the immediate exploration and development of the property of the company, and the treasurer was empowered to employ men for that purpose.

JOHN Q. Adams east last Monday among us. KUHLMAN grocery on the week. Look CAPT. J. home to-day, gaunee throu MRS. Mary for Long Is She departed her departur If you nee intricacies interesting for this paper THE Sagi nines will be grounds th weather per THROUGH street comm city, even th to look quite GIBBS, he has been lo the week. business to SHALL we on the 30th diers' grave observe the MR. RALD principal st & Lake Sup been lookin the week. THE fou new buildi and the M nearly com ure will beg CITY mar has been a place of S Mr. Richar officer, and SAMUEL office of de in mining, ceptionally people regu life. THE bus of the Nor has increa render it r operator, a allowed to A SMALL Pioneer fl evening f but was pu by a fire premisses, alarm. JULIUS new store every day, well select be a resor goods, boo nishing g HENRY the week street me money to on that th difficulty street spr from nex THE II occupied tire week to be far cal troupe sula, and in a great they have company draw her SAD— about 17 from a fl afternoon fit, and a small poc funeral v church o had met the same HEYW Give an e on Satu This tro the peo perform most fl be a pos our opin that eve money's BALL tion has in Wint the 26th the bigg the fine assured have a f the boy raise the in Nega HAW held for week, a tions' a in which They a not rep evening

NEGAUNEE.

JOHN Q. ADAMS returned from the east last Monday, but will not bid long among us.

KUHLMAN will open the handsomest grocery on the upper peninsula, next week. Look in on him.

CAPT. J. P. MITCHELL is expected home to-day. He will remain in Negaunee through the summer.

MRS. MARY ISHAM took her departure for Long Island on Monday's train. She departed regretfully, and all regret her departure.

If you need instruction in any of the intricacies of the postal service—all interesting reading—don't subscribe for this paper.

THE Saginaw and Jackson mine mines will base ball on the association grounds this afternoon, wind and weather permitting.

THROUGHOUT the instrumentality of the street commissioner, the streets of this city, even the back ones, are beginning to look quite respectable.

GIBBS, he of the Iron Cliffs company, has been loitering in Chicago during the week. He will return to home and business to-day—if not, later.

SHALL we or shall we not decorate on the 30th inst. If we have no soldiers' graves to decorate we can at least observe the day, and do it legally, too.

MR. RALPH BAGALEY, of Pittsburgh, principal stockholder in the Pittsburgh & Lake Superior (old Palmer) mine, has been looking over that property during the week.

THE foundation of Edward Lobb's new building, corner of Gold street and the M., H. & O. R. R. track is nearly completed, and the superstructure will begin to loom up ere long.

CITY marshal Joseph E. Richardson has been appointed deputy-sheriff in place of Samuel Bennett, resigned. Mr. Richardson will make an efficient officer, and don't make any mistake.

SAMUEL BENNETT has resigned the office of deputy sheriff, and will engage in mining. Mr. Bennett made an exceptionally good officer, and very many people regret his retirement to private life.

THE business at the telegraph office of the Northwestern railway company has increased to such an extent as to render it necessary to employ a night operator, and now Mr. Gannon will be allowed to rest a few hours each day.

A SMALL wooden building at the Pioneer furnace took fire on Tuesday evening from some unknown cause, but was put out without much damage by a fire extinguisher kept on the premises, and without sounding any alarm.

JULIUS JACOBSON has opened his new store and is receiving his stock every day. The store is cheerful, has a well selected stock and cannot help but be a resort for people in want of dry goods, boots and shoes and gents' furnishing goods.

HENRY LEE has been busy during the week securing the names of Iron street merchants willing to subscribe money toward keeping down the dust on that thoroughfare. He has had no difficulty in getting names, and the street sprinkler is an accomplished fact from next week. Amen.

THE Herbert theatrical troupe has occupied Winter's hall during the entire week. This company is reported to be far above the average of theatrical troupes which visit the upper peninsula, and this fact probably accounts, in a great measure for the slim houses they have had in this city; a "snide" company is the only thing that will draw here.

SAD.—William Cooper, a young man about 17 years of age, while returning from a fishing expedition last Saturday afternoon, was suddenly taken with a fit, and falling upon his face into a small pool of water, was drowned. His funeral was attended from the M. E. church on Sunday. The young man had met with previous accidents from the same cause.

HEYWOOD'S Mastodon minstrels will give an entertainment in Winter's hall on Saturday evening, the 28th inst. This troupe has succeeded in pleasing the people wherever they have given performances; their press notices are most flattering, and while there may be a possibility that we are wrong in our opinion, we conscientiously believe that every one who goes will get their money's worth of fun.

BALL BALL.—The base ball association has decided to give a grand ball in Winter's hall on Thursday evening, the 26th inst. This hop promises to be the biggest thing on record, and from the fine lay out of committees, we feel assured that those who go will not only have a fine time, but assist in giving the boys a lift in their endeavor to raise the standard of the national game in Negaunee. Let's all go.

HAWKERS of soap and cheap jewelry held forth on the street one night this week, attracting by their masterly "orations" an immense crowd, all the flocks in which were swindled by purchasing. They are mouthy fellows, and could not repeat their performance many evenings without getting a dose of hen

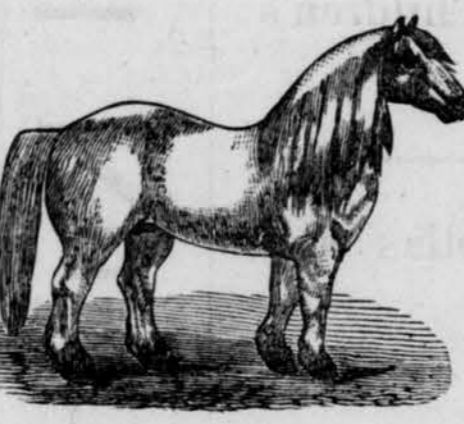
fruit similar to that received in Marquette. We are thankful for the reputation of the city that they got out before any violence was done. Such peddlers never benefit a community in any way, and the city authorities should, for the protection of the merchants who do aid the city, refuse to grant them a license. By refusing the license they would also throw their protection around the suckers, of which every community contains at least a few.

OWING to the absence of the regular mailer of this paper last week, the machine was run by a novice, and we have been informed that not more than half the MINING JOURNAL subscribers in this city received their papers. We are sorry that it so happened. Any subscriber who failed to receive his paper last week, can get a copy at the drug store of P. B. Kirkwood, whom we have supplied with a large number of copies with instructions to give to all subscribers who apply and say that they did not receive their copy through the mail.

RELIGIOUS.—The pulpit of the Presbyterian church (Winter's hall) will be supplied to-morrow morning by the Rev. D. Stuart Banks, of Marquette. The M. E. church has been newly carpeted, and the interior of the church looketh heaps better in consequence. This society will celebrate the 12th anniversary of the erection of their church edifice some Sunday in July, on which occasion it is expected that former pastors, clergymen from neighboring cities and towns, and possibly some noted divine from abroad will be present to assist in the services. Confirmation and communion services will be conducted at St. Paul's (Catholic) church next Sunday morning at 7:30 and 9:30 o'clock, the Rt. Rev. Bishop officiating. Rev. Mr. Wood will officiate at the Episcopal church as usual to-morrow. This society is feeling very much encouraged, and under the efficient ministrations of the rector will soon be one of the most flourishing parishes in this part of the diocese.

DID HIM GOOD.—Mr. Charles H. Bauer, editor of the above paper and Notary Public, in a late issue mentions the following: Patrick Kenny, Esq., some time ago suffered much from rheumatism and tried almost every means to rid himself of this painful evil, but in vain. He was advised to use St. Jacobs Oil, which he did so successfully that all pain has left him and he is as healthy and strong as ever before. Mr. Kenny is an enthusiastic advocate of St. Jacobs Oil, and it has done him good.—New York Union.

HORSES! HORSES!



The subscriber makes a specialty of supplying mining companies, and all others desiring them with heavy draught, and good driving horses. Parties in the copper region will consult their own interests and save money by conferring with him before making purchases, or sending below. H. M. ATKINSON, 652tf Negaunee.

Feibish & Co.,

Wholesale Dealers in Foreign and Domestic

WINE AND LIQUORS,

Cigars, Tobacco and

Smokers' Articles.

NEGAUNEE, MICH.

Also a large stock of Old Kentucky Bourbon and Sour Mash Whiskies. 653tf

LAKE SUPERIOR CARRIAGE WORKS,

NEGAUNEE, MICHIGAN.

Manufacturers of every variety of

Carriages, Wagons, Sleighs, &c.

Repairing done in all its branches. Shop south of M., H. & O. R. R. depot.

63y J. E. RICHARDSON.

(First publication April 30, 1881.)

NOTICE OF ATTACHMENT.—The Circuit Court for the county of Marquette, Matthew H. Maynard vs. Frederick P. Nachr. Notice is hereby given that on the thirty-first day of March, A. D. 1881, a writ of attachment was duly issued out of the circuit court for the county of Marquette, at the suit of Matthew H. Maynard, the above named plaintiff, against the lands, tenements, goods and chattels of Frederick P. Nachr, the defendant above named, for the sum of two hundred and fifty dollars, which said writ was returnable on the fifth day of April instant.

Dated this thirtieth day of April, A. D. 1881 667wt M. H. MAYNARD, Plaintiff.

M. O. BOLES,

MERCHANT TAILOR,

116 MAIN ST., OSKOSH, WIS.

Fine Custom Work a Specialty

606

MORSE BROS. & CO.

Having recently purchased the entire stock of N. Lonstorf, and greatly added thereto by later purchases from below, we are prepared to show the choicest stock of

Groceries, Dry Goods,

BOOTS & SHOES, CLOTHING and GENTS' FURNISHING GOODS

In this city. Our store is jammed full of goods, and we solicit an inspection of the same. We have also at the old stand, (near M., H. & O. depot) COAL, HAY, GRAIN, FEED, LIME, PLASTER and BRICK.

MORSE BROS. & CO.,

NEGAUNEE, MICH.

KRÆMER!

—Of the—

NEGAUNEE BAZAAR,

Comes to the front this month with the largest and best selected stock of

DRY GOODS,

Millinery, Boots and Shoes, Carpets, etc., etc.,

EVER BROUGHT INTO THIS CITY!

He does not sell one article very low and another very high, but sells every article at the lowest living price. Call and see the immense stock of

CLOAKS, DOLMANS, SILK MANTLES, ULSTERS AND ULSTERETTES.

Ladies' Light Dolmans, and Children's Cloaks ready-made and made to order. An elegant line of Ladies' LINEN SUITS and ULSTERS.

Elegant line of TRIMMED HATS, and new styles received each week.

Our Dressmaking Establishment is under the supervision of competent ladies, and we solicit patronage.

J. H. KRÆMER, Negaunee, Mich.

615tf

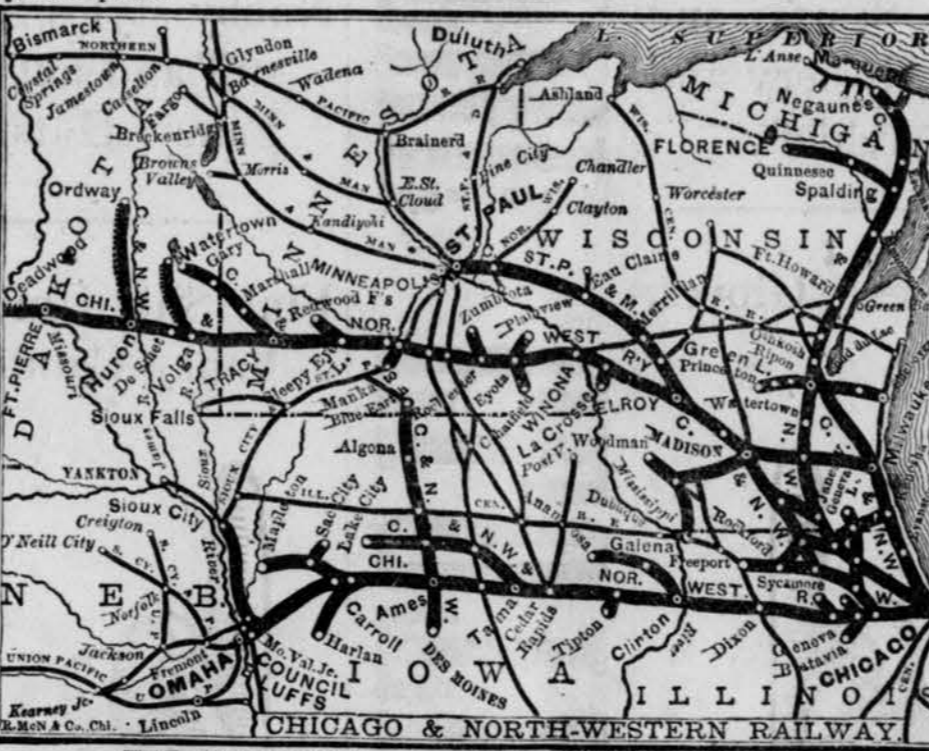
THIS NEW AND CORRECT MAP

Proves beyond any reasonable question that the

CHICAGO & NORTH-WESTERN R'Y

Is by all odds the best road for you to take when traveling in either direction between Chicago and all of the Principal Points in the West, North and Northwest.

Carefully examine this Map. The Principal Cities of the West and Northwest are Stations on this road. Its through trains make close connections with the trains of all railroads at junction points.



THE CHICAGO & NORTH-WESTERN RAILWAY,

Over all its principal lines, runs each way daily from two to four or more Fast Express Trains. It is the only road west of Chicago that uses the

PULLMAN HOTEL DINING CARS.

It is the only road that runs Pullman Sleeping Cars North or Northwest of Chicago. It has nearly 3,000 MILES OF ROAD. It forms the following Trunk Lines: "Council Bluffs, Denver & California Line," "Winona, Minnesota & Central Dakota Line," "Sioux City, Nor. Nebraska & Yankton Line," "Chicago, St. Paul and Minneapolis Line," "Nor. Illinois, Freeport & Dubuque Line," "Milwaukee, Green Bay & Lake Superior Line." Tickets over this road are sold by all Coupon Ticket Agents in the United States and Canada.

Remember to ask for Tickets via this road, be sure they read over it, and take none other. MARVIN HUGHITT, Gen'l Manager, Chicago. W. H. STENNETT, Gen'l Pass. Agent, Chicago.



SURE CURE For Coughs, Colds, Bronchitis, Asthma, Consumption, And all diseases of the Throat and Lungs.

—PUT UP IN QUART SIZE BOTTLES FOR FAMILY USE.

CAUTION.—DON'T BE DECEIVED by unprincipled dealers who try to palm off upon you Rock and Rye in place of our TOLU ROCK AND RYE, which is the ONLY MEDICATED article made, the GENUINE having a GOVERNMENT STAMP on each bottle.

EXTRACT FROM REPORT OF THE COMMISSIONER OF INTERNAL REVENUE: TREASURY DEPARTMENT, OFFICE OF INTERNAL REVENUE, WASHINGTON, D. C., January 26, 1880.

Messrs. LAWRENCE & MARTIN, 111 Madison St., Chicago, Ill.: GENTLEMEN: I have received a "certified formula" giving the ingredients and relative proportions used in the manufacture of an article which you advertise and sell under the name of "TOLU, ROCK AND RYE." This compound, according to your formula, in the opinion of this office, would have a sufficient quantity of the BALSAM OF TOLU to give it all the advantages ascribed to this article in pectoral complaints, while the whiskey and the syrup constitute an emulsion rendering the compound an agreeable remedy to the patient.

In the opinion of this office, an article compounded according to this formula may properly be classed as a medicinal preparation under the provisions of Schedule A, following Section 3,437, U. S. Revised Statutes, and when so stamped may be sold by Druggists, Apothecaries and Other Persons without rendering them liable to pay special tax as liquor dealers.

Yours Respectfully, GREEN B. RAUM, Commissioner.

LAWRENCE & MARTIN, Chicago, Sole Agents for the United States and Canadas.

15y JAMES DWYER & Co., Marquette, Agents for the Upper Peninsula

PRICES REDUCED!

—BY—

F. B. Spear,

DEALER IN

HAY, GRAIN,

Feed,

Coarse and Fine Corn Meal, Graham and Rye Flour,

—Fancy Patent—

FLOUR,

Brick, Cement, Plaster, Cordage and Blocks,

HARD & SOFT WOOD, Salt, Oil, &c

OAKUM, TAR, PITCH, Roofing Tar. All kinds of Coal.

Rothschild

and

Bending,

WHOLESALE DEALERS IN

WINES,

LIQUORS

AND CIGARS,

FRONT ST., MARQUETTE.

Always in stock, a great variety of sweet and sour mash Bourbon and Ryes, fine Imported

Brandies, Gins, Jamaica Rum, Sherries, Ports,

AND ALL KINDS OF CORDIALS. Brandenburg Freres' CLARET, and G. H. Mumm & Co.'s CHAMPAIGN, C. Laurenten Sohns' RHINE WINES, R. Brunninghaus' BURGUNDY WINES.

Domestic, Key West and Imported Cigars. Agents for John Gilson's Son & Co.'s celebrated Ryes, and for Western Cigar Co., Detroit. 567y

THE LAKE SUPERIOR

Powder Co.

MARQUETTE, MICH.,

Manufactures and sells the best

MINING, BLASTING AND

Sporting Powder,

In the County.

C. H. CALL, Pres't and Treas.

J. G. REYNOLDS, Sec'y and Sup't

626y Wm. ARMSTRONG, Sales Agent.

LAKE SUPERIOR IRON COMPANY.—The annual meeting of the stockholders of the Lake Superior Iron Company, for the choice of directors and the transaction of any other business that may legally come before them, will be held at the company's office, No. 37 Franklin street, Boston, on Wednesday, the fifteenth day of June, 1881, at eleven o'clock in the forenoon. By order of the directors, A. C. TENNEY, Secretary. 669ws Boston, May 9, 1881.

(First publication April 23, 1881.)

STATE OF MICHIGAN COUNTY OF SCHOOLCRAFT ss.

In the matter of the estate of Abram W. Williams deceased, of Grand Island, county and state aforesaid. Notice is hereby given that in pursuance of an order granted to the undersigned administrator of the estate of said A. W. Williams, by the Hon. Judge of Probate for the county of Schoolcraft, in said state, on the premises, the fifteenth day of June, A. D. 1881, at one o'clock in the afternoon of that day, the following described real estate to-wit: Lot number three, section four; lot number four, section four; south-east quarter of north-east quarter, section four; south-west quarter of north-east quarter, section thirteen; the north-east quarter of the north-west quarter of section 13; east half of south-west quarter of section 13; west half of south-east quarter of section 13; lot number four, section thirteen; lots number one, five, six, seven, section fourteen, except eight acres off lot number six; lots one and two in section fifteen, except forty-two rods reserved for Thomas Wightman off number two; south-east quarter of north-east quarter of section fifteen; east half of south-west quarter of section fifteen; south-west quarter of south-west quarter of section fifteen; north-west quarter of north-west quarter of section twenty-two; east half of north-west quarter of section twenty-two; lot number one and two in section twenty-three; north-east quarter of north-west quarter, section twenty-four; section twenty-four; lot number three, section 27; all in town forty-seven, range nineteen, west; also two lots in the village of Manistig. EDWIN D. COX, Administrator.

LAGER



BEER!

MEESKE & HOCH,

Late of Milwaukee,

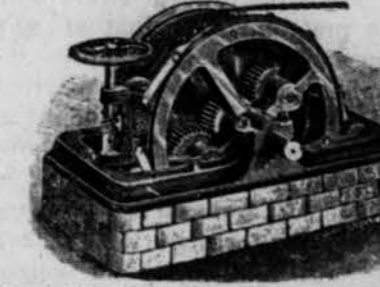
Having taken the brewery formerly owned and operated by George Rublein, and having refitted and remodeled the same, take pleasure in announcing that they are now prepared to supply all orders for

LAGER BEER

Of their own brewing, and of the very best quality. Give it a trial; they are determined to demonstrate the fact that as good beer can be made on Lake Superior as anywhere else. Marquette, Jan'y 17, 1879 621tf

IRON BAY FOUNDRY,

MARQUETTE, MICHIGAN,



Patented April 3rd, 1877, and August 6th, 1878.

Manufactures

Hoisting Machinery,

STEAM ENGINES,

Boilers, Car Wheels and Castings.

646 D. H. MERRITT.

CHAS. WEBSTER, Pres't. S. M. BURNHAM, Sec'y J. S. LANE, Supt. W. T. ALLEN, Treas.

WEBSTER, CAMP & LANE

Machine Co.,

AKRON, OHIO.

Boilers, Pumps, Skips, and everything pertaining to a first-class plant of Hoisting Machinery. Correspondence solicited. 636tf

HALL'S

VEGETABLE SICILIAN

HAIR RENEWER

Has been in constant use by the public for over twenty years, and is the best preparation ever invented for RESTORING GRAY HAIR TO ITS YOUTHFUL COLOR AND LIFE.

It supplies the natural food and color to the hair glands without staining the skin. It will increase and thicken the growth of the hair, prevent its blanching and falling off, and thus AVERT BALDNESS.

It cures Itching, Eruptions and Dandruff. As a HAIR DRESSING it is very desirable, giving the hair a silken softness which all admire. It keeps the head clean, sweet and healthy.

The State Assayer and Chemist of Mass. and leading Physicians endorse and recommend it as a great triumph in medicine.

Prepared by R. P. HALL & CO., NASHUA, N. H. Sold by all Dealers in Medicine.

BUCKINGHAM'S DYE

FOR THE WHISKERS

will change the beard to a BROWN or BLACK at discretion. Being in one preparation it is easily applied, and produces a permanent color that will not wash off.

Prepared by R. P. HALL & CO., NASHUA, N. H. Sold by all Dealers in Medicine.

The Springfield Republican says: "The legislature yearns for an extra session in Pennsylvania and Illinois, but dread popular disapproval. Your taxpayer has no fancy for paying to light and warm and run the law factories a day longer than is absolutely necessary." In Illinois there is no objection to warming the boys. It will be done neatly and effectively when they present themselves for re-election, should they have that temerity. The people don't fancy the lingering of the legislature when there is something. A few days ago an old farmer of Massachusetts voiced the general sentiment in this regard. He called out across the field to a country member who was about to start for Boston: "What the hell are you people lingering at Boston for? Why don't you go home and stop fooling away the people's money?" The language wasn't pretty, perhaps, but it filled the bill.

The above will apply to Michigan with even greater force than to the states named. The Michigan legislature has been in session since January 3rd—about one hundred and twenty days—costing the tax payers at least \$1,000 per day for their per diem alone, not to mention the many unneeded unnecessary, uncalled for appropriations of the people's money to one and another frivolous purpose! What a grand thing it would have been had this legislature met and in the old constitutional limit of forty days enacted all the necessary legislation, which could easily have been done, even in twenty days. The cost of a forty day session would be about \$40,000, or at the outside \$50,000. Then the other \$450,000, which this legislature costs, could have been judiciously expended in the purchase of our state bonds on the market. For *stupidity, cupidity, inefficiency—pigheadedness, downright ignorance and absolute tomfoolery*, the present legislature can take the premium over that of any other since Michigan was admitted into the union. The constitution from 1850 to 1860 limited the sessions to forty days for pay of members, but provided that the session might be held as long as deemed necessary, the members to draw pay for the first forty days of the session only—both houses invariably adjourned on the fortieth day at noon, and then the people complained that the sessions were too long, and hoped for the time when the sessions should be triennial instead of biennial, and limited to twenty or thirty days instead of forty!

FUN WITH THE BOYS.

ESCANABA.—The Port writes having seen on a flat car in the railway yard what it calls a "splendid piece of machinery" from the Iron Bay foundry, which was on its way to the Norway mine. The Port should know that no other kind of machinery is ever turned out from that same Iron Bay foundry.

Mrs. Anna B. Linsley, wife of superintendent W. B. Linsley, died at the home of her husband's parents, in Meridian, Conn., on the morning of the 13th. Her death was not unexpected, but nevertheless cast a shadow of sorrow over the entire community in which she had lived so long, and where she had so many warm and admiring friends.

SAULT STE. MARIE.—Joseph H. Steere has disposed of his interest in the News, to collector Chandler, and steps down and out—vacates the editorial chair for a seat on the bench in the circuit court.

A young girl named Augustine Forrest, confesses that she was the mother of an infant which was found dead behind a stump at Waukega Bay, but claims that the infant was born dead. A post mortem examination, however, revealed the fact that the child had a large hole broken in the back of the head, which fact led the jury to return a verdict of accidental death. The girl, however, was held to the circuit court on the charge of concealing the birth of an illegitimate child.

Justice Colwell received the notice by the last mail of his appointment as consular agent. He will enter upon his duties at once.

Mrs. Amanda Ashmun, widow of the late Edward Ashmun, died of paralysis on the evening of the 5th, inst. She was one of the old residents of the Sault.

The News says that new buildings are going up in all parts of the town. The ancient hamlet is enjoying a boom which we hope will continue until she outstrips all the other towns on the lake, except Marquette; if for no other reason than to verify the MINING JOURNAL'S prediction of two years ago.

The little steamer Lady May, from St. Ignace, arrived here last Saturday about noon, bringing with her the engineer corps of the Sault branch of the D. M. & M. R. R. It is proposed, we believe, to run another line. The Angel took them up the river ten or fifteen miles where they commence operations.

We never saw any one joyous when suffering from pain—neuralgia for instance. In relation to this malady Mr. George Guyett, Prop. Guyett House, thus informed our representative: I have used St. Jacobs Oil for neuralgia, and can confidently recommend it to any one similarly affected.—*Sheboygan Falls, Sheboygan Co., News.*

[First publication May 21, 1881.]
BANKRUPT SALE.—The undersigned will sell at public auction at the front door of the post-office in the village of Harvey, in the county of Marquette, Michigan, on Monday, the 13th day of June next (1881) at 10 o'clock A. M., the following described property of the Northern Iron company, a bankrupt, to-wit: All the interest, right and title of the said bankrupt in the west half of the northwest quarter of section six (6), in township forty-seven (47) north, of range twenty-four (24) west; also all reversionary interest or rights which the said bankrupt has or to which it may hereafter become entitled in the lands included in the plat of the village of Harvey, which plat was made in 1864, and a map of which is recorded in the records of deeds of Marquette county in liber F of deeds on page 624. Said sale will be made subject to all incumbrances by way of taxes or otherwise.
Dated Marquette, May 23rd, 1881.
6704t. F. B. SPEAR,
Assnee of Northern Iron Co., Bankrupt.

[First publication May 21, 1881.]
LAND OFFICE AT MARQUETTE, MICH., May 17th 1881.

NOTICE is hereby given that the following named settler has filed notice of his intention to make final proof in support of his claim, and secure final entry therefor, to-wit: Thomas Robinson, additional homestead entry No. 2,078 for the east half of south-east quarter section 22, township 46 N. R. 24, west, and names the following as his witnesses, viz: Joseph Rovile, J. C. Cudworth, William McComber and Daniel McComber, all of Choseley township.
6705t. H. H. STAFFORD, Register.

MICHIGAN EXCHANGE,
LYON & FERGUSON,
Proprietors,
Cor. Jefferson Ave. and Shelby St.,
DETROIT.

Two hundred new styles Diagonal Dress Suits, worth \$25, selling at \$20.

GRAND OPENING!

Spring and Summer Clothing!

500 Fine Dress Suits,	-	-	worth \$25.00 at \$20.00
200 " Diagonal "	-	-	" 25.00 " 20.00
400 Business "	-	-	" 20.00 " 16.00
150 Blue Flannel "	-	-	" 14.00 " 10.00
500 Working "	-	-	" 18.00 " 7.00
1000 Working Pants,	-	-	" 2.50 " 1.75

CUSTOM WORK!

In this department can be found the best imported suitings, fine overcoatings and domestic suitings of all kinds, which will be made to order in first-class style. Fit guaranteed or no sale.



Elegant Spring Overcoats, all colors and styles.

Fisk, Clark & Flag, New York, fine Scarfs and Ties, fancy Hosiery and Silk Handkerchiefs.

Party and Dress Gloves, all shades.



NEUBERGER, THE CLOTHIER!



Elegant fine White Duck Vests and fancy Vestings.

Nobby styles Spring Hats, stiff and soft; Children's Fancy Hats.

Fine Silk Umbrellas and Fancy Canes.



For Boots and Shoes, Hats and Caps, Shirts and Drawers, go to NEUBERGER'S, the only reliable clothing house in the city.

AGENT for BURT'S FINE Celebrated Gents' Shoes! AGT for WILSON BROS' Colored and Dress Shirts!

Ladies, for a Boy's fine Suit, or Child's Skirt Suit, or Fancy Waist, or a pair of Dress Shoes, or stylish Hat, please call at

IKE NEUBERGER'S.

Large line of Boots, Shoes and Rubbers, Cheaper than Elsewhere.

LANSER.—Messrs. Thomas B. Woollicroft and Joseph Lloyd have gone to Duluth on the propeller Hurd. The former gentleman will engage in business either at that place or Superior.

John Steek is repairing his house on Third street.

Down to Mr. and Mrs. Thomas Deschaine, the 16th inst., a bouncing boy, Mother and child doing well.

Joseph Theobald has been peddling green stuff during the week which he raised in his hot beds. How is this for Lake Superior.

Capt. Bendry's tug, John Ely, has come out thoroughly overhauled and painted and looks as gay as a duck.

The Joseph L. Hurd, the first large boat for L'Anse this season, arrived here Tuesday and unloaded several tons of merchandise.

Thomas M. Brady, prosecuting attorney of Baraga county, was here last Monday on business.

No court on May 17th. Wonder who is to blame this time; the last time it was the lawyer. It is ridiculous to bring people here so often and not hold court.

Superintendent, George Seaman, has notices out for an examination of teachers for the ensuing year, to be held at the court house June 1st.

REPORT OF THE CONDITION OF THE First National Bank, AT MARQUETTE, In the State of Michigan, at the close of business, May 6th, 1881.

RESOURCES.	
Loans and discounts	\$124,883 17
Overdrafts	52 15
U. S. Bonds to secure circulation	50,000 00
Due from approved reserve agents	47,472 83
Due from other National Banks	44,963 58
Real estate, furniture, and fixtures	15,000 00
Current expenses and taxes paid	8 10
Checks and other cash items	610 15
Bills of other banks	22,350 00
Fractional paper currency, nickels and pennies	87 45
Specie	18,780 93
Legal tender notes	14,000 00
Redemption fund with U. S. Treasurer (5 per cent. of circulation)	2,250 00
Total	\$340,479 23

LIABILITIES.	
Capital stock paid in	\$100,000 00
Surplus fund	30,000 00
Undivided profits	2,284 29
National Bank notes outstanding	45,100 00
Individual deposits subject to check	143,043 73
Demand certificates of deposit	24,531 48
Cashier's checks outstanding	5,570 00
Due to State Banks and bankers	2,253 53
Total	\$340,479 23

State of Michigan, County of Marquette, ss: I, Henry W. Jessop, Cashier of the above named bank, do solemnly swear that the above statement is true to the best of my knowledge and belief. HENRY W. JESSOP, Cashier. Subscribed and sworn to before me this 20th day of May, 1881.

M. L. MARTIN, Jr., Notary Public, Marquette Co., Mich. Correct—Attest: PETER WHITE, JAMES PICKANDS, Directors, C. H. CALL.

PROPOSALS FOR Public Work!

SEALED PROPOSALS will be received by the undersigned until Thursday, the ninth day of June, next, for doing the work and furnishing the materials necessary for the repairs and additions to the Marquette County Court-House, contemplated by the resolution of the board of supervisors of said county, passed March 16th, last.

Plans and specification of such work can be seen at the office of the County Clerk. Proposals can be made for any part of the work or materials separately, or for the whole work and materials in one price. The same must be addressed to William Sedgwick, chairman of committee, and endorsed "Proposals for work and materials," (or either, as the case may be) and accompanied by the names of two responsible parties who will become sureties for the faithful performance of the contract should such be awarded. Such proposals will be laid before the board at its regular meeting next after the reception of the same, and the said board may reject any or all proposals without further action.

Dated, April 25, 1881. WM. SEDGWICK, WM. H. SPROUL, JAMES PICKANDS, Special Committee.

W. H. ELLIOTT, 139 Woodward Ave., DETROIT.

Special Price List.

- Plain and fancy Summer Silks, 50c. a yard
- 90c. and \$1 Summer Silks for 60c. and 75c.
- 90c. plain colored Dress Silks for 60c.
- Black Silks at \$1, \$1.25, \$1.50, \$1.75, and \$2.
- That only need to be seen to be appreciated.
- Colored Silks, best qualities, \$1, \$1.25, and \$1.50.
- 36-inch, all wool, Black Bunting, 30c.
- 42-inch, all wool, Black Bunting, 40c.
- 36-inch, all wool, Lace Bunting, 50c.
- "Menon" Suitings, all wool, 44 inches wide, \$1.
- Gerster Suitings, 36-inches wide, 50c.
- 57 1/2c. Linen Lawns for 25c.
- 25c. French Organites, 30c.
- Best quality Lawns, 12 1/2c.
- Best Dress Gingham, 12 1/2c.
- French and Spanish Lace at Low Prices.

SEND FOR SAMPLES And compare prices. Goods sent by express subject to approval. W. H. ELLIOTT, 6705t

[First publication May 21, 1881.]
CHANCERY SALE.—In the Circuit Court for the county of Baraga, in chancery: Ellen Snow, complainant vs. Margaret Hurley, widow and executrix of the last will and testament of Timothy F. Hurley, deceased. Timothy Hurley, Peter White, trustee, Samuel P. White, trustee, Anna Mary Hassley and Emma Helen Rademacher, defendants. Notice is hereby given that in pursuance of a decree of the said court, made and entered in the above entitled cause on the twenty-sixth day of January, A. D. 1881, a certain tract of land, situate in the village of L'Anse, in the county of Baraga and state of Michigan (that being the place where the circuit court for said county is held), all those certain pieces or parcels of land known and described as follows, to-wit: The east half of north-west quarter and south-east quarter of north-west quarter of section seven (7), and the east half of north-west quarter of section eight (8) in township 35 north, of range thirty-two west. Dated, L'Anse, May 18th, 1881. CORNELIUS D. SHRA, Sheriff and Special Commissioner.

A. HORN ESTABLISHED BUSINES NOTICE.—music teacher, b over Mack's sto she is prepared forte music as h MONEY TO Adress, L. E. M BOARDING ited number of and pleasant ro ton street, six d 6711t Mr. McIs York, buys for ny, Indianapolis same time he d 388 East Water immense qua Hence James dress goods, bl wear, corsets, h NEUBERG large and elega straw hats, all DANCING. will spend the instructions in taught, with the open to all, wi Monday eveni first lesson. ALTHOUGH by outside mer business in the Nobby suits in and an elegant FINE ne among the ms SPRING a less variety at NEUBERG of new goods street. AN eleg hand bags just WANTED Clerk or book Have had liv mining corpo keeper for by years. Have for the past t ences furnish 6794t AUCTION ber of desir will be disp 25th, 1881. 6811t SNOW SPEAR'S FOR S Root boiler brewery. SAVE y of the Nea prices for t watches, eld men in ex when they a an extra all trouble. 100 B Flour will b by F. B. sp FOR S cated on E tween fif responsible 6811t Now niture nee good as ne 6711t FOR S Buggy; 100 ting Mach Hose and f Scales; on marble M 6862t FOR My house 5th and 6t and house Apply on 6811t SPEC anything ture will & Johns Murray & INSUR Benett A 6511t 46 S Watch r CONKLI Roc silver e YOU Organ at LIN. THE gest flav ing ever USE AGE E. G. L York. LAR Muste I