

The Mining Journal.

PUBLISHED BY THE MINING JOURNAL COMPANY.

Devoted to the Iron and Industrial Interests of the Country.

THREE DOLLARS PER YEAR.

TWENTY-NINTH YEAR.

MARQUETTE, LAKE SUPERIOR, MICHIGAN, NOVEMBER 28, 1874.

NEW SERIES—No. 332.

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ON THE METALLURGY OF IRON.

BY EDWARD J. HALLOCK, A. M.

From the Journal of Applied Chemistry.

THOS. S. BLAIR'S DIRECT PROCESS.—The furnace consists of a cylinder 40 feet high and three feet internal diameter, open at both ends. In the top or mouth of the reducing cylinder is suspended an inner cylinder or thimble of cast iron, about 6 feet long, with walls an inch thick, and having an outside diameter of 28 inches, so that an annular space is left between the outer and inner cylinder, which is four inches across. The furnace is heated externally for a certain distance from the top downward, by a series of gas jets, and is then cooled the rest of the way to the bottom. The ore is mixed with a carbon, preferably charcoal, and charged into the annulus only; the carbon unites with the oxygen of the ore to form carbonic oxide, which passes up through the thimble, and there burns to carbonic acid, furnishing sufficient heat to reduce the ore which is in immediate contact with this cylinder. In this way it will be seen that no particle of ore can be more than two inches from a heated surface. The height of the furnace is such that by the time the spongy iron reaches the bottom, in its natural descent by gravity, it is already cold. At no time is the temperature raised so high as to allow of the carburization of the metal or to melt the iron. If the ores worked are quite pure, excellent iron can be obtained at once by Blair's process, no puddling being necessary.

SIEMENS'S DIRECT PROCESS.—Dr. C. W. Siemens, in his direct process, makes use of the celebrated fuel-saving apparatus, invented by himself and F. Siemens, known as the Regenerative Gas Furnace, in connection with a rotary furnace 7½ feet in diameter and 9 feet long. The latter is of iron and provided with a bauxite lining 7 inches thick; it rests on four anti-friction rollers, and can be caused to make from 4 to 80 revolutions per hour. The ore is introduced in fragments not larger than peas, and mixed with lime or other fluxing material in such a proportion that the gangue contained in the ore and flux combines with only a little protoxide of iron into basic and fluid slag. The furnace is heated by the gases introduced from the regenerative gas furnace through a large orifice in one end of the cylindrical furnace. A charge of say 30 cwt. of ore is put in the furnace when fully heated, while it is slowly revolving. In about forty minutes the charge of ore and flux will have been heated to bright redness, and at this time from 5 cwt. to 6 cwt. of small coal are added, while the rotative velocity is increased in order to accelerate the mixture of coal and ore. The peroxide of iron being reduced to magnetic oxide begins to fuse, and at the same time metallic iron is precipitated by each piece of carbon, while the fluxing materials form a fluid slag with the siliceous gangue of the ore. The rotative velocity is now decreased. During this reaction carbonic oxide is evolved, and heated air is introduced to effect the combustion of this gas, the gas from the generator being completely shut off. When the reduction of the iron ore is nearly completed, the rotator is stopped, with the tap hole in the proper position for drawing off the fluid cinder. After this the quick speed is imparted to the rotator whereby the loose masses of iron contained in it are rapidly collected into two or three metallic balls. These are taken out and shingled in the usual way, the furnace is tapped again and is ready to receive another charge of ore. The time occupied in working a charge rarely exceeds two hours, so that if each charge yields 10 cwt., an apparatus will turn out at least five tons puddled bar per diem. The saving in time, labor and fuel over the ordinary puddling process is a very important feature of this process.

THE PUDDLING PROCESS.—The ordinary process of puddling consists in melting cast iron upon the hearth of a reverberatory furnace and stirring it until the carbon has been burned out, and other impurities have passed into slag. The chamber or compartment into which the pig metal is charged consists of iron plates, forming the bottom and sides, which are lined with refractory slags, rich in oxides of iron. In charging the heat, slags and scales from the hammers and rollers are thrown on the hearth or bottom, and on this the charge of pig metal consisting of 510 to 540 pounds. Fuel is then thrown in the grate, and in about 25 to 40 minutes this carburet of iron becomes liquid and assumes the form of a molten plate of iron some 1½ to 2 inches thick. Being heavier than the slags, the latter pass through it and rise to the top. In passing, the oxygen of the silicates combines with the carbon of the iron and decarbonizes it, but unless the iron is agitated it would not become malleable. Hence the puddler, with a bar called a rabble, agitates the metal, thus bringing the oxygen of the silicate in contact with the carbon and other impurities of the iron. As the carbon is leaving the metal its atoms expand and become of less specific gravity, and it throws off carbonic oxide gas, the blue flame of which is plainly seen by any one who watches the process. The puddler at this stage must be incessant in his operation, for the transformation scene is near, and the crude iron is becoming malleable. The boiling of the mass is kept up by the fresh energy of the puddler, until, as the carbon diminishes, the atoms of the iron begin to knit or agglutinate together in a soft, spongy consistency, the cinder taking the place of the once molten iron. The iron is now very sensitive to oxygen, and deoxidizing flame is kept up by the iron while it is being kneaded and divided into balls, preparatory to being brought out of the furnace. When this is done the bloom is taken to the hammer and beaten into the required shape for rolling into the puddled bar of commerce. This operation is called shingling.

Many attempts have been made to substitute machine for manual labor in the process, but, until recently, none have been successful, and, all over the civilized world, puddling was done by the same old process. The severity of the labor, together with the intensity of the heat to which the workman is exposed, makes the life of a puddler a short one, and the process comparatively expensive.

DANKS' ROTARY PUDDLER.—The only mechanical device that has met with any success as a substitute for manual labor in the puddling furnace was invented by Mr. Samuel Danks, early in 1868. The essential portion of this furnace is a large revolving chamber which rests on carrying rollers. One end, which is open, joins the bridge of an ordinary reverberatory furnace; the other is provided with a movable head-piece, which, when in position, conducts the products of combustion from the revolving chamber to the flue, but can be removed for introducing or removing the charge. The chamber is lined with a paste of iron ore and lime, and fettered with a rich pure ore. Hammered or rolled cinder is charged with the pig iron and the whole set in rotation; when the iron begins to thicken, the motion is stopped, and the liquid cinder, which now contains all the impurities, is run off. The heat is then raised, and the velocity increased to 6 or 8 revolutions per minute. When decarbonation has proceeded far enough, the velocity is reduced to 2 or 3 revolutions per minute, and the ball then forms. Most of the furnaces produced puddled balls weighing 700 pounds.

HENDERSON'S PROCESS FOR REFINING CAST IRON.—This is a simple method of removing the silicon, phosphorus and sulphur from cast iron, by allowing the iron, as it is tapped from the blast furnace, to run into the molds over the bottoms of which are spread floor spar and pure rich iron ore.

STEEL.—The celebrated Low Moor bar iron contains only 0.016 per cent. of carbon, while some other varieties of puddle bar contains as much as 0.6 per cent. Steel contains a much larger quantity of carbon, varying from 0.5 per cent. to nearly 2.0 per cent.

Cement steel is made from bar iron by packing in charcoal in fire-clay chests or boxes, heating to redness for a week or more, and then allowing to cool slowly. The bars, which are now brittle and covered with blisters, may be piled together, heated and rolled into bars of "shear steel," or broken up and melted in crucibles with a little oxide of manganese, when they form "cast steel."

In the Siemens-Martin process, scrap metal or steel is dissolved in a bath of pig metal, to which spiegelisen is finally added. The ore-reducing process consists in introducing on the bed of an intensely heated regenerative gas furnace about six tons of pig metal. When a fluid bath has been formed, oxide of iron, which should have been melted beforehand with lime or other fluxing material, is added, or, instead, natural ores containing lime and manganese. When about 30 cwt. of this has been dissolved in the metallic bath, it is found that a sample taken from it contains only about 0.1 per cent. of carbon. At this stage 8 to 10 per cent. of ferro-manganese or spiegelisen is added to the bath and well stirred, when the metal is ready to be tapped.

Henderson's steel process consists in the use of floor spar and titanite oxide applied to cast iron at the melting temperatures, and in reverberatory furnaces.

THE BESSEMER PROCESS.—The crowning achievement in the metallurgy of iron is the decarbonation of cast iron by forcing a jet of air up through the molten mass. When the carbon has been reduced to 0.3 per cent. a suitable portion of spiegelisen, or ferro-manganese, is added, which converts the whole into a certain grade of steel, which is largely employed for rails and etc., being very tenacious, and offering a great resistance to wear. The operation is performed in large pear-shaped vessels known as converters, which are suspended in such a manner as to be easily inverted for pouring out the charge. The spectrum of the flame furnishes a guide for interrupting the operation at the right stage of the process, after nearly all the impurities have been consumed, but before the iron itself is burned up.

The limits of this article preclude a more detailed description of the above process, while no reference has been made to the large army of unsuccessful, or only partially successful, inventors. Plans have been proposed for using hydrogen and hydrocarbon gases in the blast furnace, for the use of sodium in the reverberatory furnace, for introducing chlorides into the puddling furnace, as well as for making blooms direct from the ore by mixing with lime and pitch and baking. The success of these plans is still involved in uncertainty.

MICHIGAMME ITEMS.

MR. DUFFY, of this place, claims that the world owes him the honor of first discovering that the nuts commonly called "nigger toes" are capable of producing light. To satisfy our curiosity, last Sunday Mr. Duffy cracked half a dozen or more of these nuts, placed them in an upright position, and lit them. The light is as clear as that of a candle. We expect to hear of James' getting out a patent.

MR. MORRISSEY had a raffle for his horse last Saturday night. Billy Brown, otherwise known as "Grinning Billy," must have had a streak of good luck when he threw forty three with dice, and won the horse, because "Grinning Billy" was never known to be smart enough to do anything else worth recording.

ANTOINETTE MUNCH, our village marshal, left here last Saturday for Marquette, and, as it was the first time he had been outside the suburbs of the city for ten years, his unexpected departure caused some people to feel uneasy. "Old Crook" has been marshal for over nine months, and as he holds such an important office, I think a pen portrait of him would be interesting to your many readers.

He is the most interesting, and at the same time the most uninteresting person imaginable; of medium height, with deep set eyes that twinkle like stars at night, he has shaggy eyes, and long black hair which he don't think enough of to part. His mouth is so large that it takes up the larger part of his face and turns up at the corners, which gives him a crafty expression when he smiles, and when he laughs you are reminded of the rumblings of an earthquake. His neck is long, very round, and larger in circumference, by a good many inches, at the part nearer the head than the body. His hands are very narrow, with long and crooked fingers that look as if they had twice as many joints as other people's. They are so flexible that

it makes you nervous to look at them. His body is very short, and the whole man inclines toward corpulency, while his legs are longer than those of men six feet six inches in height. His feet, if feet they can be called, are large enough to fill a pair of boots that will take any ordinary shoemaker two weeks to make. Anything like the polish of this man I never saw. When he walks he bears himself like a king, bowing to every one whom he meets. He is a terror to the slow and hard cases, but to those with whom he is in sympathy he is a warm friend and delightful companion.

BILL WALLACE is a peculiar man. Bill has a horse of which he thinks enough to hitch him to a stack of hay four miles from town, without giving him a drop of water for weeks at a time, and if the old horse receives any carrying, it is about the first of January each year, which he may consider a New Year's gift. The man that will go down and shoot that horse, will not only relieve the animal from dying a slow death, but he will save the people of this town from being talked to death by Bill, whose only story is about that worthless horse and his fast trotting.

The dancing parties have commenced in earnest at this place. Mr. Mitchell gave one in his new and elegant hall last Saturday night. With Smith, from the Spurr, as floor manager, everything passed off excellently. Mr. LaCroix, the fiddler, had better tie that right foot of his to the floor the next time he plays, as the people don't think it is capable of producing as nice music as a fiddle; at any rate, it don't make the music of the fiddle any more harmonious.

MICHIGAMME, Mich., November 24, 1874
[To the Editor.]

DEAR SIR: In regard of the BIG HORN. (November 21st, 1874.) I am very sorry to say that the Gentleman has a very little knowledge about musical instrument. I believe the Spirit of Temperance has destroyed one of his most noble senses (the hearing). Mother & Child enjoy a good health. Clean up before your own door then go & help your neighbor.
A. GERMAN.

SOME boys in this town didn't have the fear of the tenth commandment before their eyes when they broke into Mr. Martin's pop shop and indiscriminately broke those bottles that never to my knowledge contained one drop of intoxicating spirits. Like the coward at night they watched for the opportunity when Mr. Martin was away from home. It only cost them ten dollars.

MICHIGAMME had a good debating society last winter and intend to have one this winter also. Phillip Schwindeman wants to be president and Antony Munch hankers after the position of secretary. Let me make a suggestion to the boys. Phillip don't know any more about the duties of a president than a calf does about emigrating to the moon, while Antony can't sit five minutes in a chair without "winking at you mit his eye."

COMMON COUNCIL.—At a special meeting of the Common Council of the city of Marquette, held at the council chamber, Monday afternoon, November 16th, A. D. 1874, the council was called to order by the Mayor, and the roll being called by the recorder all the aldermen answered to their names.

The reading of the minutes of the proceedings had at the last regular meeting was dispensed with. Thereupon the mayor stated that the object of the meeting was to investigate the charges made against the city marshal, and enquired of the special committee appointed for that purpose if they were prepared to report. Not being ready to report, on motion of Alderman Fraser it was voted that the special committee of three, consisting of aldermen Fraser, Harlow and Cook be and is hereby discharged from further consideration of the charges made against the city marshal, and that the council resolve itself into a committee of the whole, to meet at the council chamber on Thursday, November 19th A. D. 1874, at 2 o'clock P. M., to consider said charges made against the marshal, and report at a special meeting of the council to be held on the evening of the same day, at 7 o'clock, and also that the recorder be and is hereby directed to issue summonses for the witnesses in the case. The coupon the council adjourned.

At a special meeting of the Common Council of the city of Marquette, held at the council chamber, on Thursday evening, November 19th A. D. 1874, the council was called to order by the mayor, and the roll being called by the recorder, there were present aldermen Cook, Harlow, Wagner, Brittell and Fraser. Absent alderman Hurley. The reading of the minutes of the proceedings had at the preceding meeting was dispensed with.

Alderman Fraser, chairman of the committee of the whole, made the following report:

The committee of the whole having had under consideration the charges of official misconduct heretofore preferred against the city marshal, respectfully report that they do not find said charges sustained by the evidence, and recommend that no further action be taken in the premises.

Which report was not adopted. Alderman Cook presented the following resolution: Resolved, That Thomas B. Rundle be, and is hereby removed from the office of city marshal, for cause shown upon an investigation of charges made against him, in pursuance of a resolution heretofore adopted by this council.

The mayor presented the following, as a substitute for the above resolution, which was adopted: Resolved, That Thomas B. Rundle be, and is hereby requested to send in his resignation of the office of city marshal on or before the next regular meeting of the council.

The resignation of John L. Cochran, city attorney, was presented, and under suspension of the rules it was voted that the matter be referred to one of the standing committees of the council, by the chair; whereupon the chair referred the communication to the committee on finance, taxation and gas-lights.

The communication of Col. D. C. Houston, of the United States Engineers, addressed to the mayor, was presented, read and referred to the committee on finance, taxation and gas-lights. The communication is as follows:

U. S. ENGINEER'S OFFICE,
CHICAGO, ILL., November 16th, 1874.
Hon. A. P. Scofield, Mayor of Marquette, Michigan.
Sir: It is observed that the harbor enclosed by the creek-water at Marquette is being encroached upon by the construction of wharves and docks to an extent which, if pursued much farther, will reduce the amount of space available for anchorage, and render it necessary for the government to interfere in the matter and prevent further encroachment on the harbor. So far, in my judgment, no harm has been done; but in order to avoid any future difficulty it would be well for the local authorities to establish a harbor line beyond which no docks or other structures shall extend. The importance of the harbor,
(Continued to 8th Page.)

THE JEWELLED TREE.

When all the trees were clad in green, And all the birds were singing...

One tree, amid the joyous scene, Looked sad and discontented...

It murmured to an oriole That on a bough was swinging...

Of trees afar, with jeweled fruit, In flashing diamonds shining...

The summer fled: the trees stood bare Amid the wintry weather...

Then, when the dawn had ushered in The rosy-gold morning...

From every twig and bough there hung A sparkling crystal pendant...

But with the night there came a wind, And with the wind came sorrow...

For when again the morning broke, The hapless tree presented...

The ground was strewn with glittering ice; The stately boughs lay under...

—A. M. Meachar, in St. Nicholas for December.

THE FATE OF A PARAGRAPH.—"Waterloo" of the St. Louis Journal does this, and it is rather neat.

"I shot an arrow into the air It fell to earth, I know not where;

"I breathed a paragraph in air, It fell to earth, I know not where;

"Long, long afterward in an oak I found the arrow, still in flight;

THE ANTIQUITY OF LONDON.—During a short visit to Westminster Abbey, a few days ago, I found in the Charter house an old map of London...

"This ancient and famous city of London was first founded by Brito the Trojan, in the year of the world 2882, and before the nativity of our Saviour...

"The h-1 I can't have it," yelled 'Shanty'; "come out here, boys, and lug this wood on board."

"We'll see about this," said Thompson, starting off towards the furnace in a towering rage.

A minute or two afterwards, while the wood was being taken on board by the deck-hands, a black and grimy crowd of about a hundred men, employed in the furnace, neared the dock, led by their superintendent.

"The threatening aspect of two large brass nozzles, attached to hose and spitting scalding water from the boiler of the boat, was enough to make even the boldest puddler pause.

They did pause. The wood was taken on board without any interruption, and "Shanty" walked to the bow and looked calmly at the crowd.

THE WILL.—Men often speak of breaking the will of a child; but it seems to me they had better break the neck.

THE PACIFIC CLIMATE.—A recent visitor at Santa Barbara, California, saw among the number who were sitting out in front of their stores one whom he recognized as a former acquaintance.

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SODA POWDERS.

"WHERE a woman," says Mrs. Partridge, "has been married with a congealing heart, and one that beats depending to her own, she will never want to enter the maritime state again."

WHEN one woman attempts to pass another woman going down a church aisle, and rips off that other woman's hanging pocket in doing it, even the most cursory examination of the latter's countenance will make it plain that the Sabbath in her soul has fled.

"OCH," says a love-sick Hibernian, "what recreation it is to be dying for love! It sets the heart aching so delicately, there's no taking a wink of sleep for the pleasure of the pain!"

THE small boys in Vallejo, Cal., need moral or religious instruction. The Vallejo Independent of Oct. 7, says: "A little boy scarcely six years old was standing on one of the principal corners up street yesterday afternoon crying piteously. One of our officers approached him and asked him what was the matter. The youngster blurted out: 'I don't know where my father is. I told the d-sucker not to go far or he would lose me!'"

HERE is a timely stanza: Bills of plumbers all remind us How they come with lies sublime, And departing, leave behind them Sham work, meant to break b time;

"Too Old for Kisses" is the title of a poem in the Salt Lake Herald. And this sentiment is uttered in the land of Young:

A CHILD for adoption, to be born in November, is advertised in a New York newspaper. Sex not stated. Such enterprise "can go no farther."

HENRY GODNOSE BAILEY is the name of a boy in Springfield, Ohio. If we were your parent, Henry, Godnose we'd knock your middle name out of you.

ALABAMIANS are very prompt in paying bets which have been lost on horse-races, but when it comes to settling for pew rent they get mad if they are pushed.

A LADY wants to know what is the meaning of "ante" and "pass the buck." Her matrimonial companion uses it in his dreams, and she is afraid it indicates typhoid fever.

HOW HE BEAT HIM.—There are some people hereabouts who know Captain "Shanty" Morgan, of the steamer City of Toledo. The Detroit News tells the following story of him:

A few years ago "Shanty" had a contest with Al. Thompson of this city, to the utter discomfiture of the latter. The affair happened at the village of Leland, which is situated on Traverse bay, in this State. Mr. Thompson, at that time, was associated with Eber E. Ward in the Leland iron furnace, and was superintendent of the works.

Having a surplus of cordwood, the superintendent kept a pile of wood on the dock for sale to passing steamboats. One fine day the steamer City of Toledo, commanded by Captain "Shanty" Morgan, came to the dock for wood. The indomitable little commander—who is only five feet and one inch in height, and as tough as a chord, and as lively as a cat—went ashore to bargain for the wood with the superintendent. "Shanty" measured one of the piles, and made it eight cords. Thompson also measured it, and found it to be eight cords and a quarter.

"You can have it for eight and an eighth," "Not much," said "Shanty," whose combative nature was aroused by the smallest trifle. "You can't measure straight. There's just eight cords there."

"I tell you there's eight and a quarter," said the future alderman.

"I won't pay a d-d red for over eight cords," replied "Shanty."

"Then you can't have it," said Thompson, allowing himself to become unduly annoyed by "Shanty's" aggressive and arrogant motions.

Neither cared a paricle for the small difference in price, but both were determined to carry their point.

"The h-1 I can't have it," yelled "Shanty"; "come out here, boys, and lug this wood on board."

"We'll see about this," said Thompson, starting off towards the furnace in a towering rage.

A minute or two afterwards, while the wood was being taken on board by the deck-hands, a black and grimy crowd of about a hundred men, employed in the furnace, neared the dock, led by their superintendent. They were armed with sledge hammers, bars of iron, and pieces of slag and pig iron. They crowded on the dock, from which the wood was being removed, and were about making a precipitous charge on the deck hands, when the little captain sang out:

"If any of you d-d niggers come a step farther I'll scald the hair and die off'n you."

The threatening aspect of two large brass nozzles, attached to hose and spitting scalding water from the boiler of the boat, was enough to make even the boldest puddler pause.

They did pause. The wood was taken on board without any interruption, and "Shanty" walked to the bow and looked calmly at the crowd.

THE WILL.—Men often speak of breaking the will of a child; but it seems to me they had better break the neck.

THE PACIFIC CLIMATE.—A recent visitor at Santa Barbara, California, saw among the number who were sitting out in front of their stores one whom he recognized as a former acquaintance.

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Marquette Business Directory.

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SAMUEL F. HODGE, Michigan Iron Foundry, DETROIT, MICH., Manufacturer of High and Low Pressure Steam Engines, for Boats, Mills, Stamping, Pumping and Hoisting purposes.

MINING MACHINERY A SPECIALTY. 283 1/2 Cleveland Business Directory.

EDWARDS, TOWNSEND & CO., WHOLESALE GROCERS, NUMBERS 151 AND 153, - WATER STREET, Wm. Edwards, Amos Townsend, J. Burton Parsons. CLEVELAND, OHIO. 316-368

W.M. BINGHAM & CO., HARDWARE, IRON, NAILS AND METALS; RAILWAY AND MINING SUPPLIES. 148 AND 150 - WATER STREET. W. Bingham, H. C. Blossom, J. E. Greene, F. E. Thomas. CLEVELAND, OHIO. 304-356

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E. BINGHAM & CO., COMMISSION DEALERS IN PIG IRON AND IRON ORE, Office and Yard, 25 West Main Street, CLEVELAND, OHIO. E. BINGHAM, 310m6 C. F. BAUSH, 363-4f.

Chicago Business Directory.

RHODES & BRADLEY, DEALERS IN PIG IRON, COAL AND IRON ORES, OFFICE 154 WASHINGTON ST., NEAR LA SALLE DOCK, ILLINOIS CENTRAL RAILROAD SLIPS, CHICAGO. 303-354

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Have for sale 120,000 acres, in quantities to suit. Splendid hardwood selections along the line of the Chicago & North western Railway in Menominee County, and on the Menominee Iron Range. First-class Pine Lands tributary to Menominee and other streams in Marquette and Menominee counties, Michigan. Also dealers in Chicago Real Estate. 292y1.

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ISHPEMING.

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EXCELSIOR ENCAMPMENT No. 38.—S. E. Osborne, H. P. Meetings held on the first and third Mondays of each month.

ISHPEMING LODGE, U. D. F. & A. M.—Regular communications Thursday on or before the full moon. D. F. WADSWORTH, Sec'y. P. T. TRACY, W. M.

ISHPEMING MECHANICS' AND LABORERS' BENEFICIAL SOCIETY—Regular meetings first Saturday of each month, at 7:30 P. M., in the upper room of the M. E. church. All nationalities invited to join. J. ALLEN, Sec. THOS. HARPER, Pres.

DEMOCRACY, Fourth of July and Andrew Jackson have made many converts here since the smoke of the last political contest has cleared away.

The news of Schuyler Colfax's death reached us to-day. He was an honest colored man, and sold number one ice cream in Memphis.

Now look out for those sleigh rides between here and Negaunee. You would not like to see your sweet 'un get cold; so be cautious and buy one of those excellent buffalo robes of H. S. Heineman.

CATCH not the shadow and lose the substance, like a young man of our town that tried to remove the top of another young man's head a few nights ago, with a billiard cue, but fortunately missed the intended object and broke a pane of glass.

THAT Biechus has drowned more men than Neptune, last night's sighs convince me. Probably no less than ten men were filled to the neck, so we didn't care about waiting to see the unfortunate follows go under.

OAKS fall when needs beare the snow, and while little boys and girls from five to seven years old walk a mile to and from school without receiving any injuries, big John, as he is fondly called, must fall down and succeed in getting his hand sprained.

SOME people take pride in their ancestors, will boast of the valor, high culture and pure blood of those from whom they spring, but John Whipple is not one of those "fellers." He has, by beating his aged father, satisfactorily proven that he cares but little if anything for his ancestors.

As the land of a country is valued according to the density of population, so every child would increase the value of real estate, &c. Therefore our city is rapidly on the increase from the fact that four or five young 'uns claim they were born in our city last week.

A YOUNG Swede, in going down one of the Lake Superior shafts to work, Wednesday morning, lost his foothold and was precipitated one hundred and sixty feet into the shaft, resulting in his instant death. He was unmarried and had been working only two weeks in the mine, having previous to that time worked at the Cleveland.

Two miners, at the Brum mine, have long been jealous of each other, for what we don't pretend to know. Last Thursday they tried to adjust all differences by going for each other with shovels. Many blows hadn't been struck when the boss turned up, and as times are not what they used to be when you couldn't coax men to work, they quickly left the field for a better occupation—loading cars.

THREE women in our city don't work well in matrimonial harness, although they have been "hitched up" five or six years—long enough to get used to it. They kicked badly, so as to scare their mates who broke the traces that were spliced by Him who made them one, and who freed them selves from the unbridled passions which always characterized their better halves, and scampered off for some distant prairie where they probably will find gentler ones to drag the old wagon of matrimony to its destination—the grave.

LADIES, we are desirous of calling your attention to the fine stock of fancy goods kept by Messrs. Myers & Bigelow. Here the most fashionable can find what will suit them—the satin de laine, in the new hyacinth shade, richly trimmed with velvet of a dark hue and deep fringe, with wide, elaborate trellis heading. The Calabris hat, the very last invented, will attract your attention. It is a bottle green, gray or brown felt, with a pointed crown, trim turned up on one side, with the feather which rises from the crown straight and stiff.

Joe Demeris is like most men—plus his faith on another's sleeve. Joe is in the wagon and blacksmithing business here, and having money trusted to him he gave a disciple of Blackstone full power to collect bills amounting to \$15,000. The man with the "ways that are dark and tricks that are mean," collected the full amount and was very careful not to give Joe the money, but to put it away for himself. Joe entered suit for the recovery of the money, which brought Mr. Lawyer to terms. He gave Joe a mortgage on his furniture.

"SHEEP You" no more. The people of this city and vicinity learn with regret that Sam Kauffman, one of her best citizens and most reliable business men, relinquishes business here, having sold his entire stock of goods to Myers & Bigelow. Sam has lived in our midst long enough to win the esteem and friendship of everybody. Florid, robust, a smile always on his face and in his eyes, full of talk, a story always on his lips, thoroughly good natured, Sam is one of those whom you cannot help liking. Mr. Kauffman will enter business with Mr. Neuberger at Marquette. Wherever he may go he carries with him the sincere regards of the people of our city. Sam, you go but to return—we hope.

WAR! Let us engage in an intestine war. Let us who heretofore have been friends, who have enjoyed peace under one common standard, enter the bloody arena of domestic discord. Let us cut each other's throats, burn each other's houses, seize and destroy each other's property, malign each other's character, despoil forever our credit abroad, and finally cast to the winds the last remnant of peace. Hold on! too fast! too fast! We—the people—can not be drawn into this unpleasantry. To us, the victors, belong the spoils. Let the merchants sell goods for fun, and under cost, and run each other into the ground for aught we care. Like Hannibal of old, who swore eternal hatred against Rome, may they be infused with the same spirit, and the bloody chasm now existing between these parties continue to flow with "cheap goods" until time is no more.

At a regular meeting of the council, held Tuesday evening, it was resolved to purchase a lot near the Northwestern railroad depot for the purpose of erecting a new engine house.

It becomes our sad duty to record the death of Mrs. Osborn, wife of one of the proprietors of the foundry at this place, who died last Sunday, after long suffering from a cancer. Her personal qualities were so genial that her friends were many who now mingle their voices in praying that she has already reached a home beyond mortal vision, where peace and happiness supplant sickness and worldly cares.

I THINK that Mr. H. S. Heineman has given up fighting with the striking merchants. He has sense enough to see that it does no good. He can sell goods enough without making a big cry. I am positive that his whole stock is entirely new, and not a lot of old goods that have been lying around from one store to another; he can fight his own battle, even if he is a small man. But he is a wise man in every respect, and no one of these kind that is always blowing about his business. Those that say the least do the best. Heineman is the man for Ishpeping. We ought to have a few more like him.

YOUNG men in the bloom of youth, in the full possession of their mental faculties, lustrous as the stars of a clear night, with a fortune that a Ceres might envy, without a stain on their personal characters, have, in a great many instances, torn themselves away from home and friends, to preserve unscathed the liberties of their country, to restore peace to a disaffected people, always a treated by the pure sentiment.

"Dile et decorum est pro patria mori." Whether the hissing bullet slays their sudden requiem or the God of battle allows them to return alive, their names command the esteem—may the admiration—of all honest men. But where a young man of a mould and form that entitles him to a place among the beautiful, and possessed of a high order of genius, will get beasily drunk, blacken his face as black as stygian darkness, turn his coat inside out, place one of those paper bugs that sugar is put up in on his head, pin three or four bills announcing a fireman's ball on his person, and walk all over town followed by those who like that kind of fun, it is enough to draw down on him the wrath and just indignation of all persons who have the slightest regard for order and decency. One of our young men was guilty of all this, and more too, last Saturday night. We enter a decided protest against this young man or any other young man doing so again.

THE FAIRY MAIDEN.

Once upon an evening cheery, as I pondered with my deary, On all the latest fashions in the clothing people wore— While we nodd'd, nearly napping, suddenly there came a tapping, As of some one gently rapping, rapping at our parlor door— "Tis some guest," my Susan muttered, "rapping at our parlor door— Only that, and nothing more."

Ah, distinctly I remember, it was in the chill November, And the mighty realm of fashion we were trying to explore— Plans for winter clothes projecting, on the various styles reflecting— And were bent upon selecting better goods than heretofore— Bent were we on wearing better— better clothes than heretofore— Better than we'd ever wore.

Here the door I opened lightly, when, as if embarrassed slightly, In there stepped a fairy maiden, such as poets sang of yore. Not the least obeisance made she; not a moment stopped or stayed she; But on the stand her bonnet laid she, and took a seat beside the door— Took a seat upon the sofa, just beside the parlor door— Sat and smiled, and nothing more.

There we sat, no words expressing, earnestly engaged in guessing Where she got the fine alapaca dress and finery that she wore; This and more we sat divining, in our rocking-chairs reclining— Chairs with handsome velvet lining, which was bought at Bigelow's store— The very best of velvet lining—Myers & Bigelow, have plenty more At the "old Stone Store."

At length my wife the silence broke she, and to the fairy maiden spoke she: "I do declare, without exception, I never saw such clothes before: Such superbly handsome laces (they'd ten-fold improve our faces!) Oh, where did you get those laces? Tell me truly I implore! Tell me where I'll find some like them—tell me—tell me— I implore!" Quoth the maiden "Old Stone Store."

Then she rose, as if departing, from our vision quickly darning; But she left a piece as sample of the piously shawl she wore— Let it also as a token of the truth that she had spoken. Then the silence was unbroken—she had left for evermore! But the fairy as she glided magically through the door— Gently muttered "Old Stone Store."

Time and life are by us ditting, but the fairy still seems sitting, Sitting still upon the sofa, just beside the parlor door; And her eyes have all the seeming of an angel that is dreaming, And the starlight still seems gleaming on the splendid clothes she wore!— My wife and I are now determined that our clothes for evermore! We'll always buy of MYERS & BIGELOW.

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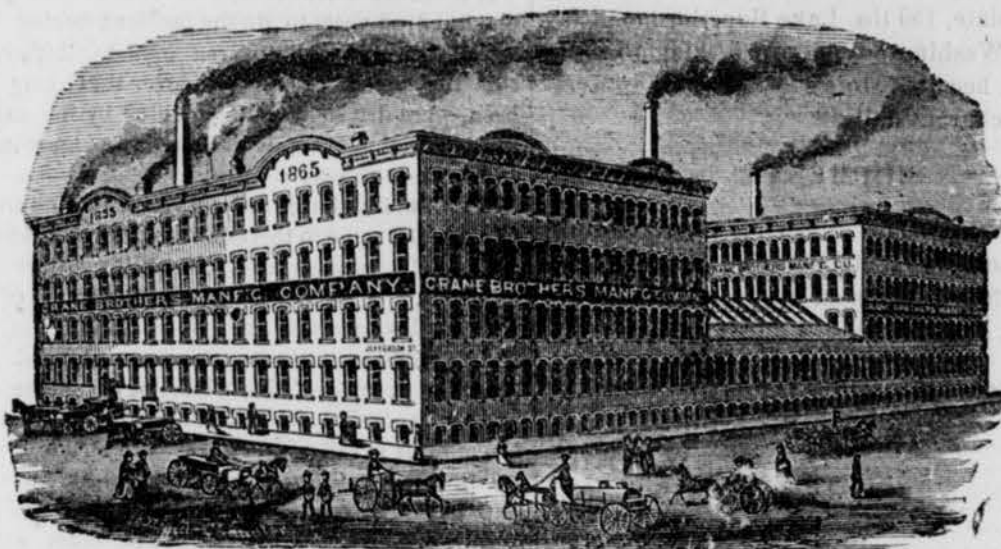
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North of Ridge street, and fronting upon Ridge, Arch, Michigan, Oh o, Mount Vernon, Third, Front and High streets. These lots are now

Offered for Sale,

For the first time. Prices are moderate, and terms liberal to those who wish to purchase for immediate improvement. I also have for sale lots in the southern part of the town, in the vicinity of the Carp River Iron Works and near to the Rolling Mill and Stone Quarries. Also lots in the western part of the city near the Railroad Shops. 316y1 HIRAM A. BURT.

Hardware.

H. J. COLWELL, DEALER IN HARDWARE STOVES, NAILS, GLASS, &c., Manufacture of Tin, Sheet Iron and Copper Ware CORNER MAIN STREET AND CLEVELAND AVENUE, ISHPEMING. 286-331

C. M. BOSS,

Mining and Topographical

ENGINEER.

MICHIGAMME, (L. S.) MICHIGAN. Attention paid to examination of lands for Mineral or Timber. References given. 298y1

SPORTS. AH OY! Game Fowls for sale. Imported English Black-Breasted Red Game; Brown-Breasted Red Game, and other varieties of Game Chickens. For further particulars address G. B. LEIB, 331y3 Box 113 Republic P. O., Marquette, Mich.

Flour, Feed, Etc.

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Feed, Bran, Middlings,

BRICK, LIME,

Cement, Plaster, Stucco, Plastering Hair, Fire Brick, Fire Clay, Miners' Clay, Salt, Oil.

Minnesota Flour.

Rope, Twine, Cordage, Blocks, Oars, Tar, Pitch, Oakum, Canvass, Palms, Needles.

BLOSSBURG COAL, SOFT COAL, ANTHRACITE

COAL!

FOR SALE BY

F. B. SPEAR & CO.,

General Forwarding and Commission Merchants, Consignees for Buffalo, Cleveland, Detroit, Chicago and Lake Superior Steamers 291-306

Hardware.

Credit

IS ABOLISHED.

GREAT REDUCTION IN HARDWARE!

HAVING ADOPTED THE CASH BASIS

Of doing business, we are prepared to offer

EXTRA INDUCEMENTS

To customers, to purchase of us

Nails, Glass, Locks, Butts, Screws,

AT RUINOUSLY LOW RATES.

CARPENTERS' TOOLS, Corresponding in price to the low rate of wages. STOVES AND TINWARE, In proportion to the great reduction of iron. SHELF HARDWARE (of all kinds) Lower than ever before. AGRICULTURAL IMPLEMENTS At Granger prices. FISHING TACKLE AND SPORTING EQUIPMENTS At bottom figures. Owing to the great and increasing demand for CHILDREN'S PERAMBULATORS We offer them at wholesale rates. PLUMBING AND GAS-FITTING Done in the most workmanlike manner, and at Eastern prices.

We expect ONE and ALL to pay CASH on delivery of goods, and shall make NO DEVIATION from this RULE, as we have put our PRICES DOWN SO LOW we cannot afford to give CREDIT.

SCOVILLE & JOHNSON

91 FRONT STREET. 272y1

Hardware and Mining Supplies.

JAS. PICKANDS & CO.,

Wholesale and Retail Dealers in

Heavy Hardware,

RAILWAY AND

MINING SUPPLIES.

Bar Iron, Boiler Plate, Sheet, Hammered and Swedes' Iron, Black Diamond Drill Steel, Sanderson Bros. & Co's Drill Steel, Naylor's Drill Steel, Bar, Plate Blister and Sleigh Shoe Steel.

Crow Bars,

Sledges, Striking Hammers, Railroad Picks, Miners Picks, Pail Picks; Pick, Sledge and Hammer Handles; Ames' Patent Welded and Strap-back Shovels, Nails and Spikes, Nuts, Washers, Boiler Rivets, Horse Shoes and Rod, Pig Lead, Tin and Copper.

Axes!

Babbitt Metal Solder, Antimony and Spelter; Sand Barrows, Blocks and Cordage, Wire Rope, Rubber Hose and Packing, Leather Belting, Oils, Leads;

Varnish!

Chemical Paints—all colors—Dry and Oil Colors; Brushes, Gas Pipe and Fittings, Gas and Steam Fittings, Blacksmiths' Tools, &c., &c.

AGENTS FOR HALL & CO'S FIRE-PROOF SAFES FAIRBANK'S UNITED STATES STANDARD SCALES. EARL'S STEAM PUMPS. MERRIAM & MORGAN'S LUBRICATING OILS. FIRE BRICK AND CLAY.

Dealers in

Hard and Soft Coal.

MINING JOURNAL.

MARQUETTE, MICHIGAN, NOVEMBER 28, 1874. MINE AND FURNACE INTELLIGENCE.

The Greenwood furnace is running the stack and three sets of kilns, and probably will continue to do so all winter.

The Shenango mine closed down on Monday, and will not again resume work before spring. This throws fifteen men out of employment.

The Stewart mine is employing fifteen men in prospecting. They have found the vein on the western end of the property, fifty feet wide, but don't know as yet how rich it is.

Messrs. P. Ryan & Co. have leased the tract of land adjoining the Stewart on the west, from Mr. Ranson Sheldon, Houghton. Capt. Ryan is working a few men prospecting, and is confident he will find a good mine.

Some parties in Negaunee are trying to make arrangements for the lease of the Harvey and Iron King mines, owned principally by Mr. R. Sheldon, of Houghton, and if they succeed work will be commenced at once.

And now, Mines, Metals and Arts has discovered quartz rock in a Huron Bay slate vein, in which particles of native silver are visible to the naked eye. Always go as far as possible away from home to hear the news!

The Kloman mine discharged thirty men last Thursday, still retaining one hundred. Mr. Pierpont, the agent, and Capt. Dunn, left for Pittsburgh last Sunday morning, for the purpose of consulting the company in regard to mining matters, etc.

And now they are boasting of "rich discoveries" of iron ore, down at Charlestown, West Virginia, which by analysis is found to contain thirty-three per cent. of metallic iron! Lake Superior and Missouri can now step down and out.

The Michigan and Spurr mines have made their last shipments this season. They will now commence on their stock piles, which, we understand, are to be large ones. The Michigan mine will employ about the number it has at present—two hundred—while the Spurr will employ the same force it did last winter—from eighty to one hundred.

Red Bank furnace, at Red Bank, Clarion county, Pa., uses 72 bushels of coke to the ton of iron produced, formerly from 90 to 100 bushels; 4,611 lbs. of ore, formerly two tons, 1,000 lbs.; lime, 1,876 lbs. The production per week is 160 tons, formerly 100 tons. These favorable results have been secured by increasing the blast from 400 or 500 deg. to 800 or 900 deg. The furnace is twelve feet across the boshes and 50 feet high, with bell and hopper top. So says the Pittsburgh Commercial.

The Iron Age of the 19th has a long article pointing out "a new source of coal and iron for both north and south"—namely Tennessee and Alabama. It says the ore in those states are relatively as good as the run of those from Lake Superior and Missouri, notwithstanding they are cold short, and do not yield by ten per cent, as much by analysis. We were about to call the attention of the Age to a few of its absurdities, but we find on reading the closing paragraph of its article that it was written as a sort of prospectus for a southern railway company, and therefore is not deserving of any attention.

Mr. W. D. Libby, of this city, has brought to this office samples of magnetic iron ore in sand, which he says he has found in large deposits, not far from Marquette. He says, in fact, that there is a large hill of it, and that it could be mined, if found valuable, at as little cost as removing ordinary sand. The sample left with us attracts the needle, and adheres as firmly to the magnet as any of our purest magnetic ores when pulverized. Mr. L. was led to examine the hill more closely by a perusal of an article published in our paper a couple of weeks since, referring to the successful treatment of magnetic ore in sand at or near Quebec.

The Pittsburgh Commercial says the product of the Charlotte furnace has been largely increased, though the proportions of native, Lake Superior and hematite ores have not been changed, and the coke and limestone remain the same. The causes of the increase are thus given: "Lower temperature and consequent dryness of the air; the dry condition of the stock, both ores and fuel, no rain having fallen at the furnace for several weeks; and the fact that the ores have been comparatively free from clay, slate, etc., the result of more careful selection at the mines and in the stockhouse. The ores used have been Lake Superior, one-eighth, balance about equally divided between "Bloomfield" (brown hematite) and native carbonates—average yield being forty-five per cent. The temperature of the hot blast has not been increased—it being the rule never to carry over eight hundred deg F. The correspondent remarks that more iron could doubtless be produced with a higher temperature of blast, but it would be at the expense of the hot blast pipes, and quality of metal." It would be interesting to know the size of the furnace, together with the cost of the ore and fuel to the ton of iron made, so as to arrive, if possible, at a conclusion as to whether it is more economical to make iron at the point named, with a mixture of ores yielding 45 per cent, than with those yielding 64 per cent. The furnace having made 320 tons of iron, running on 45 per cent. ore, in one week, how much would she have made running on 65 per cent. ores, a yield obtained by most of our Lake Superior furnaces? And what would have been the difference, if any, in the cost of ore, fuel, limestone and labor? Would the value of the increased product offset the increased cost of production? These

are questions which, if answered in detail by those who are able to obtain the figures, will go far towards settling the question as to whether it is more profitable for the Pennsylvania furnaces to import Lake Superior ores, or use the leaner products of their own banks. We should like to hear from the Commercial or Manufacturer upon these points.

Carp furnace has shipped this season 1,375 tons pig metal.

On 21st the New-York mine had shipped to local furnaces, and by rail and water, 74,171 gross tons.

The total shipments of the Washington mine, to lower lake ports and local furnaces, this season, have been 27,802 gross tons.

The Dominion steamer Ontario, which called here for refuge last week, and remained several days, had on board the machinery for the new stamp works at Silver Islet.

All the machinery for the silver reduction works at Iron River, has gone forward, and we understand there will be no unnecessary delay in getting the mill ready for operation. We shall soon know the value of the Ontonagon silver veins.

The explosion of the air receiver at the rolling mill furnace last week, occasioned a damage of not less than a thousand dollars, but was not permitted to delay operations longer than forty-eight hours. Direct connection was made at once, and the furnace is now doing as good work as ever.

The Michigan Iron Company's furnaces are among the large producers of pig iron in this district. For the week ending November 21, both stacks produced 254 tons—122 tons at Greenwood and 132 tons at Clarksburg. The total product since January 1st is—Greenwood furnace, 4,148 tons, Clarksburg, 5,988 tons—10,136 tons. On this blast the Clarksburg stack has made, to date of report, 6,990 tons. Both furnaces are now charging 300 lbs. Lake Superior slate, 100 lbs. Lake Superior hematite, 300 lbs. Washington magnetic, and 100 lbs. Shenango hematite, total 800 lbs., and an average of 81 charges daily.

SHIPMENTS.

MARQUETTE.—The following table exhibits, in gross tons, the shipments of iron ore and pig iron from this port up to and including Thursday, Nov. 26, 1874:

Table with columns: ORE, Gross tons, and various furnace names like Cleveland, Lake Superior, Champion, etc.

Table with columns: PIG IRON, Gross tons, and various furnace names like Michigan Iron Co., Morgan furnace, etc.

ESCANABA.—The following table exhibits in gross tons the shipments from Escanaba for this season up to and including Nov. 26, 1874:

Table with columns: ORE, Gross tons, and various furnace names like Jackson, New York, Cleveland, etc.

Table with columns: PIG IRON, Gross tons, and various furnace names like Pioneer furnace, Deer Lake furnace, etc.

L'ANSE.—The following shows the amount in gross tons, of ore shipments from the port of L'Anse for this season, up to Nov. 26, 1874:

Table with columns: ORE, Gross tons, and various furnace names like Spurr Mountain, Lake Superior, etc.

GRAND ISLAND.—The following are the shipments, in gross tons, of pig iron from the Grand Island furnaces this season, up to Nov. 26:

Table with columns: PIG IRON, Gross tons, and various furnace names like Bay furnace, Munising furnace, etc.

THE DISTRICT.—The following table will show the total shipments, in gross tons, from the Lake Superior iron district for the season of 1874, up to Nov. 26, and total shipments last year:

Table with columns: IRON ORE, 1873, 1874, and various furnace names like From Marquette, From Escanaba, etc.

Showing a falling off of 249,227 tons of ore and pig metal, as compared with total shipments last year.

We are in receipt of letters from Menominee and elsewhere, urging us to take some action in favor of the creation of the Upper Peninsula into a United States judicial district. The Menominee Herald has already broached the question publicly, and a letter from its editor requests us to call the attention of the legal fraternity to the matter, with a view to the holding of a convention to consider the subject,

at the earliest day possible. As Marquette county is most centrally situated, we suggest that the legal fraternity of this county hold a consultation, and, if deemed advisable, call a convention of their brethren in the other counties to meet in this city or Negaunee as early as December 15th or 20th. We believe the thing can be accomplished; there can be no question as to its urgent necessity; and the lawyers are the ones that should move first. We have no doubt but that our member of Congress will do all in his power to secure the establishment of such a district, but it is at the same time necessary to back him up by petitions and the generally expressed will of the people, if it can be had through the holding of conventions or otherwise. Will the legal fraternity lead off in the matter?

IRON MARKET.—C. E. Bingham & Co., dealers in pig iron and iron ore, Cleveland, furnish us with the following quotations:

Table with columns: LAKE SUPERIOR CHARCOAL, BITUMINOUS FOUNDRY, AMERICAN SCOTCH, and various grades of iron.

PARAGRAPHIC EDITORIAL.

By order of the presidents, no commissions will be paid on tickets sold in the west over the New York Central and Hudson river, Pennsylvania, Erie, or Baltimore & Ohio, railroad, after December 1st.

The senatorial question is just now the subject of discussion with the political press of Michigan. The editors of this paper are not both Republicans, but if the one who isn't understands himself, both prefer Mr. Chandler to any other Republican in the State.

A Detroit scientist says it took 100,000 people one hundred years to do the ancient mining work which has been discovered on Isle Royale, and that the ancient miners whoever they may have been, were driven from the country by the exhaustion of fuel. There is nothing like knowing all about these things.

Will the Pittsburgh Manufacturer be kind enough to name the mine in this county which furnishes to the Isabella furnace ores containing 38 per cent. of silica, together with the name of the damphool who bought it? No such ores, not even of the second class, have ever been shipped from this district, and the Manufacturer has either been grossly imposed upon, or else wilfully lies. An explanation is in order.

The Cincinnati Gazette says that within the next sixty days over one hundred million dollars in good crisp greenbacks and national bank notes will be distributed among the western farmers. And that is about the best plan that could be devised to keep the money out of circulation, or prevent it from being used for the revival of the drooping business interests of the country.

Mines and Metals, of St. Louis, tries to hold the MINING JOURNAL responsible for some of its outrageous blunders, and credits us with having closed navigation on Lake Superior a month ago. That publication never got any such information from us; though it is possible the last cargo of ore for lower lake ports, may be shipped before we go to press.

We have received from A. J. Reid, Secretary of the Appleton Chamber of Commerce, a sixty page pamphlet entitled, "The Resources and Manufacturing Capacity of the Lower Fox River Valley." It is a publication which can but have the effect, if properly circulated, to call widespread attention to the advantages of that region. It was, we believe, compiled and published at the expense of the city of Appleton, and the money has been well expended.

The treatment among the Oneida communists for diphtheria is ice, broken in small bits, and taken into the mouth, and swallowed or allowed to melt, letting the piece slip as far back as possible around the roots of the tongue, tonsils and upper part of the throat. This application of ice is made every ten minutes. If there is any merit in the remedy, it will certainly be a cheap one in this latitude.

The Detroit Tribune, referring to the territorial scheme which it calls "an old question revived," thinks that the Ontonagon Miner over-estimates the population of the district it proposes to embrace in the new organization. On the contrary we think the Miner placed the figures too low. The last census shows that the nine Upper Peninsula counties have a present population of nearly 62,000. The Wisconsin counties named by the Miner must have a population of not less than 25,000, judging from the vote cast in the recent election. So the new territory would have nearer ninety thousand people, a very respectable number at least, and having all the natural advantages and resources necessary to the growth of one of the wealthiest and most populous States in the West. And we caution the Tribune not to harbor the doubt that there is any general desire for a separate government among our people. It we remain comparatively quiet on the subject, it is not from an absence of a general desire, but because we cannot clearly see the way open for the accomplishment of our desires.

MICHIGANISMS.

By the new census the State of Michigan contains 1,300,000 population. In 1870 the population was 1,184,000.

A Mrs. Dybal, of Grand Rapids, had her leg cut off by a locomotive about two months ago, and now her husband wants the company to restore her lost leg or pay him \$10,000 with which to buy a wooden one. The company naturally want to know what the woman wanted to wrestle with that engine for.

The Michigan Central Railroad Company, unable to compete with the Marquette, Houghton & Ontonagon Railroad, have concluded to erase all names from their locomotives, so that they will hereafter be known by the numbers only. We should recommend the same thing to our home company, but for the fact that we want to study Indian mythology a little while longer.

Grand Rapids wants the new state prison; so does Marquette, and the Upper Peninsula. Seriously, isn't it about time that the Upper Peninsula should be recognized to the extent of having at least one state institution located within her borders?

We couldn't do a great deal towards filling a state prison, but it would be, if located up here, such a splendid summer resort for the multitudes of criminals lying around loose in the lower part of the state.

The name of S. B. McCracken's new daily at Lansing, is to be the "Capital Index." It will probably be a capital paper, and the ledger index of this office points to the fact that a small amount of its capital is invested in McCr.'s new venture. We'd like just a small amount of his capital—we'd take ever so much more stock in him and his enterprise.

The census report, printed in another place, shows that Marquette county has 7,674 male persons over the age of 21 years, and who would be voters if all were naturalized. The total vote cast at the late election, however, was only about 38 per cent. of those who might be voters if they wished.

Capt. William A. Gavett, having withdrawn his official nose from the affairs of our Mining Companies, is now engaged in the manufacture of political outrages in Virginia. He tells of one member of Congress who was knocked off a platform and had his nasal appendage jumped upon and smashed to a jelly, at a public meeting, while not one of his assailants were hurt. Where was the valiant captain all this time, that he did not interfere!

Lansing boasts of a young lady eighteen years old who has driven a milk wagon to supply her father's daily customers, regularly for two years, and never missed a trip. Send that girl this way, if you please; we know a fellow who wants her.

The iron is now laid on the Flint & Pere Marquette railway to a point within four miles of Ludington, and the trains are expected to reach Ludington in a few days. The road extends from the latter place to Monroe, 249 miles, and runs through cars to Toledo. A line of steamers from Ludington to Escanaba may be looked for in the spring.

A Muskegon paper tells of a white swan having recently been shot in the lake at that place. We did have an impression, somehow or other, that all the swans down there were black ones.

Don Henderson says that the doctrine of total depravity is gradually gaining ground. We never thought so until we began to receive the Allegan Journal, but now we know it.

Detroit has a "head, throat and lung institute." It's as much as ever we can do to keep posted on the high-toned names people give their business. Why not, on the same principle, call a sausage factory an institute!

Even now, after the election is over, the Lansing Republican has the gall to maintain that there were outrages in the South.

The Houghton Gazette says: "Mr. Hill found a stone or tablet on Isle Royale, bearing plainly discernible hieroglyphics. He has left it where he found it—in place—thinking its genuineness might be questioned if he removed it before its true position and connection with the ancient fellows who wrought our mines were properly attested." It's a little singular Hill couldn't make out those hieroglyphics. We saw the very same stone there last summer, and here is the inscription: *deo roe dettur tohathetcky swanscent.*

The Lansing Republican tells of a cat that will turn the door knob when it wishes to come into the house. May be that a cat will stand on the door-sill and reach up twice its length and turn the knob—may be it will. But it is our duty to inform the local editor of that paper that hars finally bring up in a very bad place.

We think we have heard the Allegan Journal say, sometime or other, that there was a paper printed in that village called the Democrat. We'd like to see a copy of the paper that keeps Don in such a perpetual fever, and will be obliged to the publisher if he will underscore the MINING JOURNAL on his list of exchanges.

Allegan township has the boss hog. He measures pretty well latitudinally and longitudinally, weighs 300 pounds when he gets real mad, and has hair like quills upon the fretful pork-entire. It is needless to add that the Allegan Journal is published in that township.

Owosso is enterprising. It has supplied ladders for abode bodied fish to get over the dam in the river and crutches and grappling hooks for the lame ones.

DRIFT.

"Yes," said an old Wisconsin deacon, "Job was patient under many trials, and suffered a great deal; but he never had his horse run away and kill his wife just at the beginning of winter, and leave him to sleep cold o' nights, and get up and build fires for the hired girl in the morning!"

Montana is said to be very short of women. That's nothing; the whole country is short, very short—of men!

Down in Virginia they had a negro boy who would drink kerosene oil by the quantity, whenever he could get it. One day he had drank nearly a quart of it, and in attempting to blow out a candle his breath caught fire and he has been a walking volcano ever since.

There's nothing like cheek; but Beecher's demand upon Tilton for a "bill of particulars" of his neshiding with Elizabeth smacks more of brazen impudence. Just as if Tilton was permitted to be present and witness all the little particulars! It would seem to a candid person that Tilton had already told as many particulars as Beecher would care about hearing.

Referring to the fact that Kentucky has actually declared a man elected to office ineligible because he had been engaged in a duel, the Cleveland Herald says "now we will speak to the tailor about that ascension robe!" From which fact we infer that the Herald editor has got back after having been "knocked higher than a kite," about the 13th of October last.

For sublimity of cheek commend us to the average West Virginian. One of them, a fellow named Peyton, has recently found a boy who accurately answers to the description of little Charley Ross, and, with unheeded magnanimity, offers to give him up on the payment of \$5,000! That Peyton on his shoulders should not be suffered to remain long unburied.

The e is one congressional district in Wisconsin that recognizes woman's rights. At least we judge so from the fact that it appears to have returned to Congress an old woman named Kate something or other.

What do they mean, anyway? Eastern papers announce that "Miss Alcott is in Boston, hard at work on her new juvenile." She ought to get married before she attempts any more work in that line.

A Salt Lake lawyer went on a two weeks' drunk a short time ago because he fell heir to \$30,000. He

fell into a Mormon jail before he got through spending the fortune that had fallen to him. In this county we have lawyers who go on longer sprees than that, and they haven't any \$30,000 expectations, either.

The Detroit Free Press says: "No one ever heard of a Duluth man's nose being frozen, unless the weather became so cold that whisky had to be chopped up with hatchets."

The Western Reserve proposes sending to the Centennial Exposition a mammoth cheese weighing 28,000 pounds—(14 tons). It will be 11x13 feet in size. It will be sent by lake and canal, as it should; for who will take take more interest in such a cheese than the skippers!

This is not a political paper, but we cannot refrain from putting upon record the belief that the new democratic, liberal, reform, or whatever it may be called, Congress, can make their opponents supremely happy by simply electing "Farquady Wud" speaker.

And now the honest farmers have caught the infection. The treasurer of a western State grange turns up missing with \$30,000 of the funds. Who can the poor farmers trust!

The Anti-Secret Society Christian Association is its name, and it has been holding forth in Chicago for several days. Several of the members are "backsliders" from Masonry (probably the same as Ben Butler is a backslider from office) and pretend to tell the secrets thereof. The Times says that "if they are telling the truth they perjure themselves by revealing what they have sworn not to reveal; and if they are not telling the truth they are liars." Well, suppose they are liars or perjurers, ain't they christians, anyhow?

The Detroit Son, or Sun (an infant, anyhow,) sends us a copy with an editorial on the senatorship marked with pen and ink. Probably it wants us to read it. Would like to oblige you, gentlemen, but can't do it, really. We've just received the patent office reports.

There's more good hits and spicy gossip in one number of the Marquette, MINING JOURNAL than can be found in any one comic almanac yet published.—Det. Free Press. You're another!

A writer in a health journal says that nothing more effectually weakens the human stomach than hot drinks. That may be; but we think that long-continued kicking in that direction by a mule will have a slight tendency to weaken the organ.

Up to a late hour yesterday Cincinnati was leading Chicago three murders and an express robbery.

Old man Haskell, in Clark county, Indiana, knocked the district school-master down the other day because he failed Haskell, Jr. The old gentleman told the pedagogue that if he ever laid a hand on a fellow of his again he'd shoot him so full of holes he'd look like a small-pox patient! Look here, Mr. Haskell, Marquette is a young, thrifty and growing town, and if you think of moving away from Clark county, come up and look us over. This latitude is just suited to your peculiar disposition.

They subscribed \$75,000 in thirty minutes for a new Methodist church in Baltimore, last Sunday.—Boston Post. A Baltimore man never buys anything he does not need.

Prof. Tyndall says: "Primarily the Unknowable moved upon cosmos and evolved protoplasm." Yes; but—well—never mind.

Gerrit Smith, in a recent letter, says: "In my eye democracy is all one with devilism." If that's the case this country seems to be going to the devil very fast.

The Chicago Times says: "We have no objection, certainly, to the transaction of all the business that may come before Congress." Now that's the way we like to hear a paper talk. There those poor representatives would have been, fooling around, hardly daring to say "aye" or "no" to anything; but now they can go to work feeling that they have the full permission of the people.

An exchange says that "Charles Heyer, of Manitowoc, lost a foot the other day while attempting to mount a moving train. If it was an average Wisconsin foot, we'll bet that he missed it as soon as he lost it."

They are discovering all sorts of things, in Utah, about these times. The latest development is a bed of sulphur, almost pure, assaying 90 per cent, on the average. Ninety per cent. sulphur is just the thing Utah needs for its purification, and it is said Brigham's sense of smell and his appreciation of the "great hereafter" was what led to its discovery.

Our compliments to the Milwaukee Journal of Commerce, and will it be kind enough to tell us what it expects to gain by discussing financial questions with the played-out, rotten old nuisance of the Industrial Age! But for the notice taken of him by other papers, he would sink into the same political insignificance he enjoys socially and financially.

That won't work. The Detroit daily Blatherskite wants to exchange with us and sends us a prospectus to publish to the amount of the difference in the value of the two publications! That fellow could make more money going around falling out of five-story windows. His cheek would enable him to do it successfully every time.

An exchange tells "how to get the most box honey." It was a good while ago, and we don't recollect just how we did get the most box honey; but by putting our hand behind us we can feel the buck-shot there, right in the same place, yet.

A traveling show left a sick camel with Wm. V. Day of Morris township, Washington county, Pa., a while ago, and Day agreed for a nominal price to doctor and take care of it till called for. A camel, you know, only has nine stomachs, and now that this camel is well and its appetite has returned, Day wishes the circus would come and take it away. The owner, however, wants Day to keep it till spring, and Day has got his back up about it and says that either he or the camel will have to go on the town-dam, soon.

Just as soon as we saw that item in Hall's Journal of Health advising people to sing more, we chucked the pamphlet into the stove. Heavens! just to think that it might have fallen into the hands of that red-headed girl who lives next door!

Lanky Stephens and Ben. Spicer were in the ward grocery on the evening before the late election, and the conversation turned upon woman suffrage. Spicer said he thought it wouldn't do any harm to let the women vote. Stephens moved uneasily on the soap box upon which he was sitting, and seemed to be plunged in deep thought. Finally he said: "Spicer, look here. S'posing-now, for instance—Susan B. Anthony. S'posing she was elected President of the United States. I say, just s'posing for instance, she was. And she should marry a man by

the name of—say, for instance—Perkins;—jes' s'posing, you know. Now, would she be President Anthony or President Perkins? "By gum," said Spicer, "I never looked at it in that light."

MINE AND TRADE NOTES.

—In 1873, about 8,000 American mowers and reapers were sold in Europe, and it is estimated that during the present year, no less than 12,000 mowers will be sold abroad, representing a value of \$1,000,000 paid to the American manufacturers of this class of machinery.

—Oregon is growing in wealth and prosperity. During the last four years her population has increased four-fold. With a population of only one hundred thousand, the exports exceed ten million dollars annually in value.

—The yield of gold and silver on the Pacific slope during the past twenty-five years amounts to \$1,583,644,934. California produced \$1,094,919,098; Nevada, \$231,402,412; Utah, \$19,537,197; Montana, \$116,308,147; Idaho, \$7,249,197; Colorado, 30,000,000; Oregon and Washington territory together, \$25,504,250. Arizona and New Mexico have commenced a yield which will greatly increase with settlement and safe and cheap communication. British Columbia furnished \$9,000,000.

—There is a strike among the miners in all the colliers in Nova Scotia, caused by a reduction of twelve per cent. in the wages for the winter.

—This is not a very good year for mining. The Pacific coast companies have returned, only \$9,800,000 to the pockets of their stockholders, in dividends, or two millions less than last year.

—W. A. Lyttle, London, England, has patented an improved method for the preparation and use of peat for smelting, etc. The features of novelty are as follows: First, the consolidation of iron ore and fluxing materials with charcoal, coal dust, or other carbonaceous matter, all these materials being in a powdered state, by means of raw wet peat incorporated therewith. Secondly, the consolidation of peat charcoal for smelting purposes, by means of tanning or pugging it into admixture with wet raw peat, with or without addition of a small proportion of plastic clay. Thirdly, Utilization of the waste heat of red-hot charcoal by mixing or pugging the latter with wet or raw peat.

—The United States is not the only country that will show a diminishing "make" of iron for 1874. In 1870 the number of blast furnaces at work in South Staffordshire and East Manchester was 110, now they are reduced about one half. This, in a few years, shows a great falling off, and as a result, when the make of pig iron in the United Kingdom, including all the iron making centres, is ascertained, it will show a considerable reduction in 1864 upon the annual make of the last few years. In the year referred to, viz., 1870, there were in South Staffordshire 110 works, 1700 puddling furnaces, and 282 rolling mills, and the make of pig iron for the year in Great Britain amounted to 5,963,515 tons. In 1871 and 1872, the "make" still further increased, but last year and the present one will show a considerable diminution.

CHAT WITH OUR NEIGHBORS.

ESCANABA.—The Tribune of the 21st gives an account of the stealing of several gold watches from the jewelry store of John Gagnon, in open daylight. No clue to the thief. And then it perpetrates the following libel:

It playing "seven-up" and smoking ten cent cigars were allowed in church, the Mayor of Marquette and the Editor of the Mining Journal would be more regular in attendance.

We don't buy our cigars at Escanaba, consequently are not addicted to stogias and ten-centers. And while we are about it, we cannot resist saying that if Jewell would pay a little more attention to the commandment which says thou shalt not get drunk, and not always mis-apply scripture on the slightest provocation, he would be a better Christian. Because he happened to stroll into an Escanaba church a year or two ago under the mistaken belief that it was Stephen's beer hall, hardly justifies him in assuming the tone of a new or old convert!

We are informed by F. T. Burns, Agent, that the N. Ludington Co. mill at Flat Rock cut during the present summer, commencing June 1st, 4,100,000 feet of lumber, 1,000,000 lath and 100,000 pickets, showing an increase over last year of some 400,000 feet. Something over 3,000,000 feet of their cut was shipped to the Company's yard in Chicago, the balance being disposed of at the yard in this place. This is considered a good season's work for the number of months; their mill run and the machinery in use, viz: one gang two mules and a siding mill. The company have already sent their crews into the woods and it is their intention to get out about the same quantity of logs as last season.

The Tribune refers to the territorial scheme as a pet project of the Ontonagon Miner, and says that "though we do not feel as much in earnest about the matter, and in fact just now doubt the feasibility of the plan proposed, we are free to acknowledge that it is a question that should invite the attention of every thinking man in the Upper Peninsula."

STEAM POWER.—Dr. Engel, Director of the Prussian Statistical Bureau, has endeavored to find out the amount of steam power in use in the world. The return for stationary steam engines include only odd and partial reports for five countries including the United States, Great Britain and France. The number of engines in five countries, according to reports, some of which were prepared in 1860, was 121,755, and the horse power 2,761,880. Dr. Engel estimates that there cannot be less than 150,000 stationary engines, with from three to three and a half millions of horse power in the world. The returns with reference to locomotives and their power are much fuller, although they also are incomplete, and some of them dated four years ago. The total number of locomotives embraced in these returns is 46,467. It is estimated that there are at least fifty thousand locomotives, with an aggregate of ten million horse power. The ocean steamers according to the returns number 5,255. The estimated horse power of steam engines, stationary, locomotive and marine, is 14,400. The United States leads the world in the number of its stationary and locomotive engines, but Great Britain is credited with having more steam vessels and more tonnage than all the rest of the world.

STEEL DIRECT FROM THE ORE.—The Metallurgie gives the following account of an experiment made on the Ponsard system:

On the 27th of September, at the forge of the Verrieres, at Vienne, France, the first production of pig iron by the direct treatment of the ore in the gas reverberatory furnace, system Ponsard, took place under the superintendence of the inventor, with the assistance of M. S. Perisse, director of the General Metallurgical Society of Paris.

The apparatus consists principally of a gazogene, which transforms the fuel in a series of large chambers, and of an apparatus in brick, called the re-

perator of heat, which receives the flames from the furnace, and restores the calorific in the form of hot air. The compartments of the chamber serve successively for the reduction of the ore, for the reactions which are effected, and, finally, for the fusion of the whole charge in such a manner that the separation of the component parts is effected by the difference of density. These various phases of the operation require very different temperatures, and the production of these is the special object of the apparatus. On the side of the furnace doors the temperature is only that of red heat, while beyond the heat is so great that the eye is unable to support the intensity of the glow. This extraordinary heat is estimated at 2,000 deg. cent.

The success of the experiment is reported to have surpassed all expectation, and the result obtained is considered to demonstrate the possibility of producing steel direct from the ore without any of the transformations necessary under existing systems. Of course this is a fresh revolution in the history of metallurgical industry; and it is almost unnecessary to add that, should the system justify the report, it will prove a revolution indeed.

CITY AND COUNTY.

SERVICES AT THE CATHEDRAL.—Masses, 8 and 10:30 A. M.; Vespers and Benediction, 7:15 P. M.

MARQUETTE LODGE NO. 108.—T. O. F.—Met in Odd Fellows Hall, Everett's Block, every Wednesday evening. Visiting members of other lodges cordially invited. C. M. EVERETT, N. G.; GEO. McALISTER, Secy.

IRON BAY ENCAMPMENT, NO. 58.—I. O. O. F.—Met in Odd Fellows Hall, Everett's Block, on the first and third Thursday evenings of each month. Samuel Hopkins, W. C. P.; C. Jenkins, H. P.; Geo. McAlister, Scribe.

MARQUETTE, HOUGHTON & ONTONAGON R. R. Trains Leave. Trains Arrive. Chicago..... 8:45 A. M. L'Anse..... 10:30 A. M. L'Anse..... 4:55 P. M. Chicago..... 6:25 P. M.

MARQUETTE POSTOFFICE. MAILS ARRIVE. From South, East and West..... 6:25 P. M. From Marquette and Ontonagon, Tuesday and Friday 5:00 P. M. From Harvey, Tuesday, Thursday and Saturday..... 2:00 P. M. MAILS CLOSE. Going South, East and West..... 8:15 A. M. Going Marquette and Ontonagon, Monday and Thursday..... 8:15 A. M. Going Harvey, Tuesday, Thursday and Saturday..... 10:00 A. M. Houghton mail arrives at 8 P. M., closes at 8:30 P. M. Office open fifteen minutes after distribution of mails. Registry and money order office open from 8:30 A. M. to 5:30 P. M.

CINDERS.

—You will find something worth reading on every page of this paper, and its get eight of 'em.

—A man down east has invented a patent spanker. It can't possibly lay over the old fashioned slippers our mothers wore.

—Temperance prayer meetings are indulged in down at Fond du Lac. An intemperance prayer meeting now would be something to talk about.

—It is often said that "absence conquers love," but a woman up on Arch street says! that the longer her husband is gone the better she likes him.

—Fearfully and wonderfully made are the foot-prints in the beautiful snow of the Ishpeming belle whose monogram clasps Morley so much you admires.

—Here is a fact worth remembering as long as the cold weather lasts: No man can afford to kind a fire with kerosene, even if he is the sole owner of a cemetery.

—Chicago slaughtered 105,000 hogs during the month of October, but we haven't heard of any vacancy in the Inter-Ocean staff—so she must have a few more left.

—The urgent inquiry is, "where is Brown—Tom Brown—not the other Brown. As the season of parties is here, fashionable society doesn't know how to get along without him.

—If, as is often said, "coming events cast their shadows before," Marquette will materially increase her population before the wild geese again northward fly. 'Tis well.

—The time is rapidly approaching—it is almost here—when Negaunee saloon keepers will be obliged to set their whisky bottles on the stove, or serve their contents up in solid measure.

—The little folks, God bless them, are beginning their annual animated prattle about Christmas trees and good old Santa Claus. Do not permit any of them to be disappointed in their expectations.

—Among the things more than all else intended for the protection and elevation of women, especially at this season of the year, are thick-soled shoes; but nothing is more abhorred by the average woman.

—A Green Bay man is credited with having done the most appropriate thing of the season. He presented the editor of the Gazette with a whole box of soap! As the Teuton remarked, "dere is some brineable in dot!"

—40,000 barrels of whisky were recently consumed by fire, down in Kentucky. Marquette whisky burns, but it isn't consumed in that way. 40,000 barrels of it would quench a Chicago conflagration—and yet nothing is more inflammable.

—Dick Nevins ran ashore on his last trip down, at St. George's Flats—or rather the Goshawk del. Dick didn't "light ship," but just raised her up with a few of his choice Anglo-Saxon adjectives, and she sailed proudly on to her destination!

—This isn't a very hot cinder, but we'd like to have it burned idly into the hearts and minds of all parents, guardians and teachers. The seeds of love can never grow but under the warm and genial influence of kind feelings and affectionate manners.

—The Fond du Lac Commonwealth anatomizes some rascally thief who stole its editor's wood-saw. If such a little thing will provoke the wrath of that editor, it is simply fearful to contemplate the fix he would have been in if instead of his saw somebody had stolen his scissors.

—The Milwaukee News wants to have all faithless wives kicked to death by crippled mules. Without saying anything about what should be done with faithless husbands, we'd like to ask the News about how many crippled mules it thinks there are in this country—anyway!

—"Well, my little man," said we to a schoolboy trudging along with his satchel, the other morning, "do you get whipped at school now?" "No, sir; I've got a better teacher now, and I'm a better boy!" Upon further inquiry we ascertained that he did not attend any of the public schools, but a select one.

—An exchange says that "it is not till we have passed through the furnace that we are made to know how much dress there was in our composition." All very fine in the way of speech, but if it is a blast furnace the fellow is talking about, he's a blasted fool if he thinks he'd be anything but a cinder when he got through the tap.

—The writer of this column is credited with being the Marquette correspondent of the Chicago Times. He will merely say that he writes only for the Mining Journal, and that he has not written a line for the Times in years. This paper furnishes ample scope for his limited genius, and full as much labor as he desires.

—Cinders has written to the Erie Railway Company and submitted a plan by which the directors can save \$300,000 in the next ten years. They pay their president \$40,000 a year for a term of ten years, and there is a young man in the business here who has expressed a willingness to accept the position at \$10,000.

—Hicks, formerly proprietor of this column, has gone into the job printing business at Fond du Lac. He lamented his failure to get his own head punched while here—but he forgot to say in his valedictory that all his labors were directed towards securing that luxury for his principal. Though an innocent, modest appearing youth, he's what the Duluth papers term "a bold, bad man"—or will be when he arrives at the age of puberty.

—Why are the Meads' advertisements like blisters? Because they draw customers.

—What does the Green Bay Associate mean when it talks about the "transit of Venus?"

—Duluth was in a bad way before, but now it numbers "dirty pawed Mike" among its inhabitants.

—If you don't find anything in these Cinders worth reading turn over to "Driers" and "Michiganians."

—What in blazes is the use of talking of this world's brightness and sunshine to a man who don't wear German socks?

—Cutters, fast horses, the jingle of the merry bells, with the laughter of merrier girls, are now hourly heard on our fashionable thoroughfares.

—The merest trifle often raises a big stink. At least that's what they thought up at Humboldt, the other day, when the cars ran over a skunk.

—We are ahead of all other localities on the "transit of Venus" business. She made the transit of Washington street on a hand-sled, yesterday.

—If that fellow up at Negaunee who keeps sending us badly written letters, abusing individuals about there don't quit and mend his ways, we'll be under the necessity, of dotting his 's for him.

—An exchange warns us to look sharp for five dollar bills on the Traders' National Bank of Chicago. That's just what we've been doing for a year past, and haven't found even a "one" or a "two."

—The young man who went to call on a Fisher street belle, the other evening, and held an animated interview with a bull terrier, instead of his girl, now sits on the "ragged edge" of a torn pair of trousers and the softest cushion he can find.

—Says a rural exchange: "Buckwheat cakes are in order and our grocers are all supplied with the raw material." The consumer of the cakes will have plenty of his own raw material—when they "break out" and he begins to scratch.

—Somebody sends us the Western Rural regularly. It tells us all about how to put a fanning mill in blast, how to tap a cow and mine a manure yard, but we look in vain for recipes telling how to make hematite starch or pig metal puddling. The paper's a fraud.

—We heard one of our most gingerly Washington street belles utter some italicized words the other day, that would make a seaman blush. And it was all because she involuntarily sat down in the snow, at which several persons were ungracious enough to smile audibly.

—"Halloo! Here's Dwight! Whoop, w-h-o-o-p er up lively nox," intelligently remarked a Negaunee parrot the other day, on the sudden appearance of a Marquette gentleman she hadn't met for a period of six months. And the boys obeyed the order.

—Cases of body-snatching are becoming frequent in the lower peninsula, and the papers are making a great ado about it. Up here, when a body gets "snatched bald-headed," he juts goes to bed, sends for a wig, and says nothing about it.

—If you want to realize the tribulations of the editor of this column, come in some day when the scissors are dull, and the exchanges don't pay out worth a cent, and he is at the demagogue yells for copy from half a dozen printers.

—"Hell has no fury like a woman with a soft corn," or a place so uncomfortable as an overworked editor's sanctum.

—A most abominable pun was that of a citizen who reported last week that the principal of the public schools had "struck ile"—meaning juvenile. As might have been expected the fellow has been confined to the house ever since by a fond wife who is in doubt whether to prefer a charge of lunacy or knock it out of him with the rolling pin.

—There is a man living in the first ward in this city who is happy in the possession of a hired girl who gets up and makes the fires in the morning. She saves him many a little family jar in the settlement of a long disputed point between himself and his wife. Such a girl, though she be as homely as a mule and cross as a saw-buck, is indeed a family treasure.

—Ye that have goods to sell, prepare to sell them now. Where the advertiser is, there will the customers be gathered together. How shall it best be made known that one man has what another wants, except he advertise? "I'd rather be a toad, and live upon the vapors of a dungeon, than keep a corner" or any other place and have every day wondering why I didn't advertise.

—If the youth who carried the American flag with the "strange device" and so lustily yelled "exclusion!" had known that he was naming half the gin mills in the country, and furnishing brands for poor whisky and worse cigars, we don't believe he would have done it. It is barely possible, however, that he was traveling for some liquor dealer, and took that way to advertise his wares.

—Some papers have it that our old "Cinders" has accepted an editorial position on the Fond du Lac Commonwealth. A perusal of the last number of that paper would convince any one who knows him that he hasn't done anything of the kind. We can lick the man, who, after seeing the paper, says Hicks wrote a single comma of it.

—There is probably no one thing in the world that will roll so fast, and in doing so make a man misspily scriptural terms so furiously, as a plug hat on the rampage. A whole gal of wind goes under your title, and as, you make a grab, it is wafted majestically away in a bee line for the nearest puddle of muddy water, creek or gutter, into which it settles with the most expatriating indifference as to what you may do or say. We have seen a great many men chase their hats, but nobody ever caught one until it concluded to stop, unless it brought up under a wagon wheel, or some friendly pedestrian, coming in the other direction, jumped upon it with his boots and held it down in the mud or snow until the owner came up and scripturally enjoined upon its captor the necessity of getting off that hat. We saw an individual, during the heavy gale last Tuesday, indulge in a race of that kind down Front street past the Summit House. It was exhibiting to see that hat skim majestically along over the snow drifts five or six feet deep, and just as pitiable to see the owner flounder through them, and sneeze and spit snow out of his nose and mouth, and hear him snort, and swear, and use all kinds of unchristian adjectives as he saw the necessity of churning through another snow drift, his ears and nostrils locks all the time floating in the gale as majestically as a ship's pennants when scudding before a gentle breeze. But he caught the hat, just as we approached from the opposite, and then entered into a very animated conversation with him, in which we overheard the words "snow," "damolohat" and something else about his satanic majesty and his place of residence, which we don't care to mention. And then the ungrateful fellow poured a vial of red-hot wrath upon our devoted head, only because we congratulated him upon his successful race, and intimated that we should give him a place in the "cinders." He said if we did he'd send us to a place where we'd become a damredhotlyvielder in less'n no time!" But he won't—"cause we'll get all our prescriptions from some other doctor.

—The concert by the Negaunee Musical Association which was advertised for the 24th was postponed until last night, on account of the inclemency of the weather. We go to press too early to make any mention of the affair in this issue.

A MATCH game of billiards, 1,000 points up, was played at Hanley's rooms Tuesday evening last. The contestants were Ed. Risdon, of this city, and young Parker, of Ishpeming. The latter won by over a hundred points. The same parties will most probably be matched in other games.

LINE TO HOUGHTON.—The steamer Ivanhoe having withdrawn from the route from L'Anse to Houghton, C. C. Crooks of the latter place has put on a daily line of stages to connect with the Marquette Houghton & Ontonagon railroad. Mails and freight will be transported by the stage company, and passengers will be provided with all possible comforts. Fare from L'Anse to Houghton \$2.75. Freights may be purchased at all the principal stations on the Marquette, Houghton & Ontonagon railroad.

OPPOSITION.—Messrs. Culbert & Reed will run a line of stages to Ontonagon during the winter. Stages are already on the route. Between the two lines now on the road, passengers will doubtless find ample accommodations. This firm had the mail contract last year and gave universal satisfaction.

WORK on the Union school building has been suspended for the winter. The walls are up above the second floor, and work will be resumed in the spring. So far as gone the work is very acceptable, and when completed the building will present an appearance of which our school district may well feel proud.

SALE OF UNCLAIMED GOODS.—The Marquette Houghton & Ontonagon railroad Co. will sell at public auction a large quantity of miscellaneous freight and baggage, at the merchandise pier, Marquette, on Saturday, January 24, 1875, and continue the sale from day to day until the property is disposed of. Maj. J. D. Palmer will deliver the oration on this occasion.

AFTER an absence of six weeks Mr. A. Cozzens, proprietor of Cozzens' hotel, has returned and resumed charge of the establishment. The "chip from the old block" again takes charge of the Beaumont at Green Bay. Marquetters are rather disposed to believe that the Cozzens is a "jeetle" the best horse, though if insisted upon a contest might ensue between us and the denizens of the Bay.

THE stone work on St. Paul's church will be suspended until the opening of spring. A roof will be put on so far as the walls are completed, and every thing made ready for a vigorous prosecution of the work when the weather will admit of the profitable employment of masons. Meantime, the woodwork will be pushed along as rapidly as it can advantageously be done.

WE do think that Green's cook excels in the matter of serving up oysters in any style they may be called for. And he don't have to strain the soup to get the cockroaches out, a la Gilmore, either. Jim offers a premium for every cockroach discovered in the palace, such is his confidence in the power of the exterminator which with him is a secret. His place is always neat, clean and orderly, and the hungry man may rely upon having his wants supplied satisfactorily.

OUR citizens have by this time, to a great extent, filled their cellars with vegetables and other articles of food for the coming winter. As a consequence, rats will endeavor to make their nests in proximity. In order to drive them off, scatter sulphate of iron (coppers) in their runs. The coppers should not be dissolved. It is the best and cheapest disinfectant. The sulphuric acid burns their feet, and they soon leave without dying. This will be appreciated by every house-keeper that has had to endure the stench of a dead rat.

ONOTA STAGE LINE.—Messrs. Freeman & Bro. have secured the contract for carrying the mail between Marquette and Ontonagon and Munising three each week. A stage line will run daily—leaving each end of the route every morning. Stages have been prepared expressly for the route, and passengers will be provided with every possible comfort. The opening of this daily line will be a great accommodation to the traveling public, and every one may feel assured of safety and dispatch over the route while the line is under the management of these gentlemen.

MR. C. F. STRUCK, inspector United States harbor improvements, has received instructions to suspend work on the breakwater for the season. A new crib 50x30 has been put down at the south end, which completes the work ordered this season. On the lake side rip-rapping has been done to the ninth crib. This ought to be continued as far as the 20th crib, at least, in order that the structure may be safe from the most violent tempests. An appropriation should be made for the purpose this winter so that the work may be done during the coming season. It would be economy on the part of the government to "take this stitch in time."

CAPT. CALVIN RIPLEY, who will be remembered by many of our old citizens as one of the pioneer navigators of Lake Superior, died at Elk Valley, Nebraska, on the 6th inst., aged seventy years. He brought the Fur Trader around the Sault Rapids in 1840, and tradition says once saved her from going ashore by making fast to the rock at the end of the Cleveland Co's. dock, and which has ever since been known by the name of "Ripley's Rock." Indeed, the ring and staple which he drove into a crevice, and to which he made his line fast, is still to be seen by visitors to the rock.

FURNITURE.—It is scarcely necessary to call attention to the advertisement of Chas. Jenkins, dealer in furniture—it is large enough to speak for itself, and for Mr. Jenkins also. His stock of furniture, the different kinds of which is enumerated in the advertisement, is simply immense, and having been purchased direct from the manufacturers, is being sold at bottom prices. It will be altogether advisable to look over his stock before making your purchases for the holidays. We shall take occasion next week, to describe Mr. Jenkins' store in detail. In the meantime go and look him over, and be prepared to say how near we can come to the truth.

THE ladies of the several aid societies of our city convinced that the work of improving the condition of the poor will be best effected by the united action of all our citizens, and desirous for the welfare of all concerned, that beggary and pauperism should be banished from among us, recommend and hereby request that no one give to beggars at the door anything except food to be eaten on the spot. Bundles of clothing will be received by Mrs. James E. Dalby, Mrs. Ambrose Campbell, and Mrs. T. Hurley, and judiciously distributed, or they may be sent to the house of the overseer of the poor. A ticket sent by any one who is asked for aid—with a name—to either of the above ladies will insure an examination of the needs of the person applying, and the amelioration of such conditions as it will be wise to relieve.

THE first real delightful, old fashioned snowstorm of the season, visited us on last Monday morning and staid with us until Wednesday. It not only "grew" but it blew until drifts were piled up and around promiscuously to the depth of five or six feet, making a big job for the snow-plows and hard work for the pedestrians. It came to us, this time, and right gladly do we bid adieu to the mud and slush and sand until the pleasant spring time comes again.

CHANGE OF TIME.—A new time card will go into effect to-morrow morning at 7:50. The mail will leave at 7:50 A. M. and arrive at 8:10 P. M. Passenger train from L'Anse will arrive at 11:50 A. M. and leave at 3:40 P. M. These trains make connections with Chicago & Northwestern railway at Negaunee.

TO THE MAN THAT LIVES IN CLARKSBURG.—I read your letter, given in the columns of the Mining Journal, and have concluded that a person in your frame of mind needs to hear of something exciting; so I will tell you of an incident that has occurred here, and which will be productive of lively times at the next term of court. The pupils of our school have been indulging in another of those pugilistic encounters with their teachers, for which said educational institution is so noted. In other words, they have been abusing him, entirely forgetting "that whosoever offendeth the least of these my little ones," etc. The circumstances were something like these: It was declamation day, and one of the boys recited a funny piece. I do not know what the piece was, but presume it was David's Lament for Absalom, as that strikes me as the funniest thing I know. My feelings are like those of the little boy who thought it "such fun to see David kick." Well, one of the boys laughed several times, and the principal was called, who, after gazing at him for a minute "more in sorrow than in anger," exclaimed, "been laughing again!" "So have I," returned the boy. (By-the-way, this was not original with the boy.) The teacher recognized the needs of the case, and laid his hand on the boy's head, when the boy, actuated by a desire to maim the teacher, and thus disorganize our schools, began bunting him with his head. Slowly and sadly he laid the boy down, as the followers of Sir John Moore are reported to have laid that distinguished gentleman, and then placed his foot against his head for a support; but his foot slipped, and injured the boy's head slightly. Then with a kindness seldom equalled and never surpassed, he called a carriage and had him taken home. The boys, with a vindictiveness rarely seen, now stand around on street corners and tell how they would like to be witnesses in the trial that is to come; but the board of trustees, like Horace Greeley's turnip, remains passive. My friend, would you like to live in Marquette and go to that school?—"so wouldn't I."

Should you remain in Clarksburgh next summer? If not, recommend me to fill your place, and don't take your pupils beyond long division, as that's as far as my knowledge of arithmetic extends—and mark out all the hard problems whose answers are wrong. We teachers must play into each other's hands, or we shall be completely routed. But when our scholars forsake us their parents will "take us up." (An indifferent joke, but it is very good.)

Send me the names of some books you would like, and I will steal them from the library sometime when the librarian is sleeping. As for cigars, I think your taste is too fastidious; why won't clay pipes do as well?

You doubtless have heard in the lively and go-ahead town you live in that the next governor of Michigan is not to be a woman, and that the new constitution was not carried for want of votes. I should judge, were it not for the information contained in your letter, that Clarksburg was somewhere near Duluth, from the description you gave of its enterprise.

If you think it would make you any happier I will send you Watts on the mind, or The Anatomy of Melancholy. The latter is a cheerful book. Adieu, Marquette, November 25, 1874. G.

ROBERTS claims to have always on hand the best oysters in Marquette, and if those sent to our domicile are a fair sample, we guess he is not far from the truth.

THE SCHOOL MATTER.—It has transpired that the papers which the school board caused to be circulated, asking parents who send their children to the public schools to sign, for or against the retention of the present principal, resulted in a vote of about three to one in favor of his dismissal. The current report for several days has been that the board, having thus ascertained the wishes of parents, requested the principal to send in his resignation, and that he had done so. A member of the board informs us, however, that he does not know anything about it, except what he has heard on the street.

Mr. Olcott continues in charge of the schools, and the board makes no sign, notwithstanding its members must be aware that at least four-fifths of the electors of the district demand his removal. It is said that the board threatens to resign; and not a few express the opinion that, unless they are inclined to listen to the clearly expressed wishes of the tax-payers and electors, they cannot resign a moment too soon. Another week's failure to do their duty in this matter, will call out a request for their resignation more emphatic than the demand upon them for the principal's removal.

PETERSON'S JOURNAL FOR DECEMBER.—All articles complete in each number. We have received the first number of this Magazine,—that for December, and can truly say that this new enterprise opens in the most promising manner. This number contains twelve first-class stories, all published complete, many of them written by authors of high ability and reputation. "A Dangerous Marriage," by Nora Perry, "Mrs. Gathright's Story," by Florence Percy Allen, "Stronger Than Death," by Eleanor C. Donnelly, "By the Sad Sea Waves," "Told at Nightfall," "A Story of a Vialrette," etc., are all unusually excellent. We may specify also a story, called "King Solomon's Opal," by Henry Peterson, a critical paper upon Bryant's Thanatopsis," two interesting articles, one upon "Camp Life at the Delaware Water Gap," the others upon "The Pleasure Grounds and Drives of Washington," and a good poem.

To all those desiring a first-class magazine, a large majority of whose pages are devoted to the publication of the best fiction of the day, we can recommend this. The publishers, formerly connected for many years with the Saturday Evening Post and The Lady's Friend, will, in the management of this new periodical, have the benefit of a long and varied experience. The mechanical getting up of the magazine is unexceptionable; the paper being excellent, and the cover decidedly handsome and novel in appearance. Terms \$3.00 a year, in advance. An extra copy will be supplied free for one year to any person sending a club of five subscribers, at \$3.00 each. The postage will be prepaid by the publishers, without extra charge, in accordance with the new law. Specimens copies, 25 cents. H. Peterson & Co., 920 Walnut street, Philadelphia.

For additional local and new advertisements see first and eighth pages.

NEGAUNEE.

CHICAGO & NORTHWESTERN RAILWAY. GOING NORTH. ARRIVE. LEAVE. Day Express 7:20 A. M. 7:40 A. M. Express Freight 12:07 P. M.

"GIN-MILLS" is what the Herald calls them now. MINING operations have been suspended for the winter at the Foster.

Messrs. Maas & Mitchell will open their bank on or about the first of December.

The Negaunee lumber yard and Little Lake saw mill, owned by Hartman, Connolly & Co., has been bought by Mr. Isaac Johnson.

Mr. A. G. STONE, one of the principal owners and directors of the Saginaw mine, registered at Upton's last Saturday.

Mr. EDWIN DIX—no relation of "shoot him on the spot"—is to be married to Miss Pauline, a sister of Mrs. Breitung, on the 28th of this month.

FEIBSH has sold his liquor and cigar store, and report says will leave the city and this part of the country. Wm. Nast, who has been for sometime connected with the establishment, is the purchaser.

Messrs. Hilyer & Stoppenbach are making a large addition to their fine grocery and provision store, for the purpose of going into the meat business this winter. Parties will do well to call on these gentlemen before purchasing elsewhere.

The young couple who were seen feeding each other, dove fashion, in front of one of our prominent hotels, the other evening, had better wait in the future until sable night overhangs the earth, and they will not cause so much idle gossip in the neighborhood.

NICK LAUGHLIN claims he has one thousand pounds of good tea which he will sell at a very low figure. Indeed, Nick says, he don't care if he only realizes enough out of the tea to pay for the paint and "injun" suit his grandfather wore at the memorable tea party in Boston, over one hundred years ago.

Bring on your racers. Henry Stone drove old "Chicago Grandmother," a mare twenty-four years old, owned by Mr. Haydon, from this place to Ishpeming a few days ago in the surprisingly fast time of twelve and a half minutes. And remember, this over a road that will take the starch out of anyone that is at all "stuck up."

Do you want to be used well, or have you any desire to know where you can purchase good cigars, fancy articles, &c.? If you do, go to Taylor & Co.'s. Even if you don't purchase anything Tom will amuse you in telling comical stories that will make you fairly burst with laughter, until exhausted nature cries "quit."

Mr. TIM RYAN will leave this city about the first of the new year for the Hot Springs, Ark., where he expects to meet his friend, Frank Bourke. Both will start for a tour through northern and interior Texas, returning to this place next summer, if they don't get their hair raised by some savage well-tutored in the "raising" business.

The Pioneer mine paid off last Saturday. This caused some of the boys to get "gray and frisky," without "whooping" it up and getting into the hands of that man who invariably looks down upon every one he meets—marshal Donahoe. The Spurr mine has got one man—the Iron Mountain giant—that Tim has to look up to, and he is only six feet, ten inches, in height.

You can't walk two rods in our city now without encountering some young man who wants you to help start a debating society. They have been talking long enough about this society to have had half a dozen started and in running order. Horace Greeley used to say, "the way to resume specie payment is to resume;" and the way to start a debating society is to start it.

ONE of our young men (I won't mention his name) must be growing insane. He thinks he owns considerable property, and says he is going to be married to either Queen Victoria or Nellie Grant. He wants to be governor of the State, and swears like a trooper that Senator Chandler won't stand a ghost of a show with him in running for the United States Senate. He ought to be taken care of before he commits suicide.

I RECENTLY read of a young lady in New England, very pretty and accomplished, that walked around a new road (7 miles) in one hour and forty-five minutes. But Negaunee beats that all hollow. A young man here escorted one of our girls, and she isn't good looking either, to Ishpeming by lantern light, which they preferred to moon light. Time: six hours, thirty one minutes and a half—so she says. But then she wasn't in any particular hurry—she could get in the slide window in the rear part of the house without letting the old folks hear her.

New York, New Orleans, Chicago, and in fact all the large cities in our country have had rings formed by men whose only aim was to satisfy their own selfish natures, and for personal aggrandizement. Negaunee has men infused with the same spirit. Her people occasionally make a remarkable change by hurling from power some of the hungry fellows, but she does not accomplish enough. She allows, and I am sorry to say it, a few political tricksters to retain office, whose political escutcheons are ready to fall off at almost any moment with rottenness and corruption. Rings upon rings have been formed and crushed, men rotten to the core have been displaced. And the chief study of these discarded men is how can they regain a public office. They are concocting schemes fraught with the most imminent danger for the city's welfare, for the purpose of lashing the popular will into a tempest, expecting some "tidal wave" will lift them high and dry into office. Who knows but these "outside" fellows are aided and abetted by some king behind the scenes? Their last dodge is the "Patagonian circle." They are enlisting under their double dyed banner the scum of scurfdom. Once in power these ogled-eyed gormands will gnaw at the public treasury until Negaunee's fair name will be marred—perhaps forever. If the people—the patriotic many—don't rise in their strength and crush the "Patagonian circle" in its infancy, they may expect big "injuns" all the way from South America to run their town.

Mr. Hussey tries to be so nice, and in fact he is so nice that "butter won't melt in his mouth." But occasionally he will get up on his ear, try to walk up stairs on his eyebrows, and injudiciously cut up queer antics, scaring little boys and girls into hysterics, and all that sort of thing. The other day when his landlady placed some nicely scented hamburger cheese on the table he said his olfactory powers couldn't stand it, but he'd be darned if he wouldn't try, and commenced swearing by Moses, and half a dozen more fellows that never knew anything about cheese, that he was going to eat all he wanted and she couldn't stink him away from the table!

THE many, very many friends of Henry E. Haydon will regret to learn that he has been compelled to make an assignment for the benefit of his creditors. Mr. H. has made every effort possible to pay his creditors in full, and no one who knows him will doubt for a moment that his failure is the result of circumstances wholly beyond his control. He has converted all the property he could, no matter how great the sacrifice, and paid every dollar realized to his creditors, hoping that a change for the better in the finances of the country would ultimately enable him to pay his depositors in full, and continue his business; but he hoped against hope, and is at last obliged to succumb. His liabilities are said to be about \$60,000 with not nearly sufficient assets to meet them. Mr. H. informs us that he has paid in the last year upwards of \$180,000, and that if he lives every creditor of his will be paid in full. We don't doubt it; he's just that kind of a man.

A WOMAN in our city is the unfortunate possessor of a husband who partakes rather freely of the cup that inebriates. He went out one night ago, as he was accustomed to do, to slake his thirst, but apparently became wrapped so close in the embrace of the noisy god that you might have truthfully called him drunk. At a moment when he had his glass to his mouth ready to pave a road to the devil's workhouse, a little woman who claimed him as her own, appeared at his side and administered to him a crushing blow with a basket filled with eggs, sauce pans and many other things that are necessary in a well regulated family. This not accomplishing the desired result, she commenced breaking windows and everything within her reach. The proprietor didn't care about building a new house, so he politely requested the heroine not to break down the one he has. After a little coaxing she assented to the request, and accompanied by her husband, wended her way home.

Negaunee Advertisement.

Real Estate, Exploration

AND

MINING

Intelligence Office,

NEGAUNEE, MICH.

The subscriber has opened an office at Negaunee for the purchase of real estate, and the exploration of mineral, pine and timbered lands on the Upper Peninsula. Parties wishing to have lands examined and reported upon, either in respect to their mineral or timber resources, will be liberally treated with, and correct reports will be given in all cases. Being myself an old explorer, having spent many years in the woods, during which time I have located some of the most valuable iron lands on the Marquette Range, and being assisted by a corps of old and faithful explorers, I confidently offer my services to all who may wish to entrust their explorations to my care.

I have now for sale MINERAL LANDS, on the Marquette Range, to which I invite the attention of iron men seeking investments. Also PINE LANDS in various parts of the Upper Peninsula, selected with the greatest care, and because of their great prospective value. Correspondence solicited, and the best of references given if required. 297y1 WM. C. MCCOMBER.

Miscellaneous Directory.

CRESCENT STEEL WORKS.

MILLER, BARR & PARKIN,

PITTSBURGH, PA.

(Established, 1865.) Manufacturers of the well-known brand of

"Crescent Steel."

Special attention given to DRILL and TOOL Steel, suitable for miners and machinists. 323m6

WATSON FIRE BRICK MANUFACTORY.

ESTABLISHED 1836. JOHN R. WATSON, PERTH AMBOY, N. J. NEW JERSEY, Manufacturer of

FIRE BRICK, For Rolling Mills, Blast Furnaces, Foundries, Gas Works, Lime Kilns, Tanneries, Boiler and Grate Setting, Glass Works, &c. Fire Clays, Fire Sand and Kaolin for sale. 279-330

LIVERY,

BOARDING AND SALE STABLE,

Front and Superior Streets, MARQUETTE, MICH.

CULBERT & READ,

Having purchased of T. T. Hurley his entire livery establishment, has a new stock of horses, buggies and carriages, and the old and new patrons of the concern can always rely upon finding on hand

First Class Rigs.

Carrriages furnished for private parties and funerals 21-37

Doors, Sash, &c.

H. Gregory & Co.,

Manufacturers of and Wholesale and Retail Dealers in

DOORS, SASH,

Blinds, Newel Posts, Balusters, Stair Rail, Mouldings, Brackets.

Turning and Scroll-Sawing

DONE TO ORDER.

Flooring, Ceiling, Siding, Shingles.

Lath, Lumber,

Of all description (a large stock on hand.)

Sawed and Cut

Stone Window Sills,

Galvanized Iron Cornice and Window Caps, Cast Iron Window Sills, Iron Columns and Girders, Terra Cotta Keys, Carbels and Window Caps.

Brick Lime, Plaster and Hair,

And all other kind of Building Material constantly on hand.

We are better prepared than any other firm in the county for taking contracts for building of every description at any point in the county. Parties wishing estimates can depend upon getting low and accurate figures. Special attention paid to jobbing of all kinds; banking offices, insurance offices and store fixtures, a specialty of the best material and workmanship. Plans, specifications, details, &c., furnished on short notice. All orders, by telegraph or otherwise, will receive prompt attention. All goods put on cars free of charge.

H. GREGORY & CO.,

Manufacturers and Builders, office and factory on Main street, successors to J. W. Wyckoff & Co. H. GREGORY. J. P. RIDEELL. J. JOHNSON. 294-345

Miscellaneous.

B. NEIDHART,

DEALER IN SHELF AND BUILDERS' HARDWARE,

51 FRONT STREET, MARQUETTE, MICHIGAN.

AGENT FOR

Garey's Patent

IRON ROOFING.

BEST IN THE WORLD.

Cheaper, more durable, and affording better protection from fire than any other.

Having adopted the CASH SYSTEM, we are enabled to offer GOODS AT LOWER FIGURES THAN EVER BEFORE.

THE NEW LAWN GAME.

CHIVALRIE,

Combining the best points of Croquet, with many new features. Full instructions accompany sets.

Now is the time to call and secure your Stoves for the approaching winter. By calling on the undersigned you will secure the best assortment of PARLOR AND OFFICE STOVES, of the best manufacture, to be found in the city. Also, the largest assortment of Coal and Wood Cook Stoves to be found in the city.

A large assortment of

Shelf and Builders' Hardware,

Consisting of Locks, Glass, Paints and Oils. A good assortment of

TIN, IRON AND JAPANNED WARES.

Manufacturer of Tin, Copper and Sheet Iron Wares. ALL ORDERS FOR WORK PROMPTLY ATTENDED TO.

N. B.—I am also Agent for the Fairbanks' Standard Scales, Detroit Safe Company's Safes and Vault Doors, R. Heinsch's Celebrated Shears and Scissors. 294-335 B. NEIDHART.

Iron Bay Foundry,

D. H. MERRITT, PROPRIETOR,

MANUFACTURER OF

Steam Engines,

BLAST FURNACE

Mining & Mill Machinery,

Pumps, &c.

IRON AND BRASS CASTINGS

Of every description made to order. Also Babbitt or anti-Friction Metal, for bearings, constantly on hand—home-made and warranted.

HEAVY OR LIGHT FORGINGS.

STEAM BOILERS, SMOKE STACKS, BREECHINGS,

DOORS for bank vaults, WINDOW SHUTTERS,

AND ALL KINDS OF SHEET IRON WORK.

ALSO

Skips, Kibbles, Ore Buckets,

And all kinds of mining and furnace work. Particular attention paid to repairing. D. H. MERRITT. 294-335

Marquette, April 22, 1873.

News Depot and Museum.

FINEST ASSORTMENT OF



LAKE SUPERIOR Specimens, Curiosities, Amethysts, Chlorastrolytes, &c., on the Lakes at

T. Meads



AND VARIETY STORE!

Large stock of Boots, Shoes; Hats, Caps; Clothing, &c., &c.

JEWELRY!

Notions, Fishing Tackle, Gunther's and other Candy, Tobacco, Cigars, and a thousand and one things in constant demand.

Everything Selling at Lowest cash figures to suit the times.

49 FRONT STREET, Nearly Opposite the Post Office, MARQUETTE, MICH.



Drugs and Medicines.

H. H. STAFFORD,

Dealer in

Drugs, Medicines,

BOOKS AND STATIONERY.

A CAREFULLY SELECTED STOCK.

Comprising in part Soaps, Brushes, Perfumery, Pomades, Cosmetics, Dressing Cases, Towels, Friction Gloves, Mirrors, (Hand) Tweezers, Chamis, Plasters and Splint Skins, Vanilla Beans, Farina, Colognes, Mouchot Sachets, Sachet Powder in Bulk, Puff Boxes and Puffs, Court Plasters, Playing Cards, Cachous, Lip Salves, Razors Straps, English Razors, Pocket Cutlery, Odor Flasks, French Blacking, Pink Sauces, Syringes, Trusses, Corn Plasters, Orange Flower Water, Rose Water, Maw's Feeders, Chris Extracts,

PRODUCTIONS OF LUBIN, LOW, SON & HAYDON,

Societe Hygienique, Rimmel Pivo,

AND MANY OTHER STANDARD PREPARATIONS AND NOVELTIES.

Prescriptions Carefully Prepared

At all hours of day and night.

A full and complete stock of BLANK BOOKS, and everything for office use; also

SCHOOL BOOKS, MISCELLANEOUS BOOKS,

Consisting of all Standard Works and the Reading Matter of the Day.

INITIAL PAPER, ENVELOPES, FABRIE'S AND EAGLE PENCILS, DRAFTING PAPER, SEALING WAX. 294-336

Railroads.

THROUGH TRAINS TO NEW YORK!

61 Miles the Shortest Route Between Chicago and New York

IS VIA THE

PITTSBURGH, FORT WAYNE

AND

Chicago Railway,

AND

Pennsylvania Central R. R.

THROUGH LINE. QUICKEST ROUTE TO THE EAST.

Three Daily Express Trains

With Pullman's Palace Through Cars, LEAVE CHICAGO, FORT WAYNE AND CRESTLINE

On arrival of trains from the West, FOR PITTSBURGH, HARRISBURG, PHILADELPHIA, BALTIMORE, WASHINGTON CITY, BOSTON, NEW YORK.

And all principal Towns and Cities in the East.

This route is especially desirable for business men, as it gives them an opportunity to visit Pittsburgh, Philadelphia, New York and Boston the best markets in the East. Ask for tickets via Pittsburgh, Fort Wayne and Pennsylvania Central Railroad, which can be obtained at all regular Railroad Ticket Offices in the West, at the Company's Office, 43 WEST MADISON STREET, and at Depot, corner Madison and Canal streets, West Side, Chicago.

P. R. MYERS, General Passenger and Ticket Agent, Pittsburgh.

W. C. CLELAND, Asst. Genl. Pass. Agent, Chicago. J. N. McCULLOUGH, Genl. Manager, Pittsburgh. 288y1

Jewelry.

CONKLIN

Has the largest stock of

FINE

Jewelry!

SOLID SILVERWARE, &c.,

In this country.

American Watches,

IN GOLD AND SILVER CASES.

ELEGANT NECKLACE OPERA CHAINS,

As fine an assortment of

STONE RINGS,

(AMETHYST, TOPAZ, ONYX, CAMEO, &c.) as can be found at any store in the State.

Also the largest and finest collection of

LAKE SUPERIOR

SPECIMENS,

INDIAN CURIOSITIES, &c.,

To be found in the city, at reasonable prices. Call and examine before purchasing elsewhere. REPAIRING NEATLY AND PROMPTLY DONE

Cor. Adams' Block,

No. 68 - FRONT STREET,

MARQUETTE, L. S. 298-330

Hardware.

SMOKY CHIMNEYS CURED!

THE

"GOTHIC"

Ventilator & Chimney Top

Has proved a complete success in curing the most obstinate, sluggish and smoky chimneys. It stands on the top of the chimney and does not require a smoke stack to carry it above surrounding buildings. THE ONLY CHIMNEY TOP that will work satisfactorily when surrounded by high buildings.

For ventilating elevators, machine shops, railroad depots, car shops, &c., it is unrivaled.

MANUFACTURED AND SOLD BY

J. HOPKINS, Ag't

Dealer in Stoves; Manufacturers of Tin, Copper, Sheet-Iron wares; Gas Fitter and Plumber, Marquette. 294-306

294-306

