DONAHOE & CO., Manufacturers Dealers in Bo ts and Shoes, Main St I.W. WATSON & SON, Great Variety Stor Wm. BUCKLEY, Manufacturer and Deal in Boots and Shoes, an Street. C. G. COLLINS, Dealer in Staple and Fancy Dry Goods, Clothing, Hats, Caps, Poots and Shoes, Front Street. MEAT MARKETS. T. MEADS, Dealer in Dry Goods, Yankee Notions, Hats, Caps, Boots and Shoes, In-dian Curiosities, &c. Front Street. OLES BROS, dealers in Fresh and Salted Meats, Fruits, Vegetables, &c., Main St. Dioyed.

Two more tailors wanted. None but first class workmen need apply.

71-wtt WE MOKE BRO'S, Dealers in Dry Goods Clothing, Groceries, Provisions and Gen eral Merchandise, Front Street. WINES & LIQUORS.

JOHN SANSON, Wines, Liquois and Cigars, Main Street. PATRICK CARNEY, Billiard Hall and Saloon, Corner Main and Division Street. MANUFACTURIES. MARQUETTE MANUFACTURING Saloon, Corner Main and Division Street.
BEN. MARCHAND, Saloon, Main street.
JOHN JEWLING, Saloon, Main Street,
JOHN S. BAWDEN, Saloon, Division Street,
M. J. O'Leary, Wines, Liquors and Cigars,
Division Street. RESTAURANTS.
GYSTER BAY RESTAURANT, Sprin
Oysters served up in any style. Ch
ney, Proprietor. INSURANCE AGENT. K. HALL'S Restauront, Lake St. Warm Meals at all hours, Good Wines and Liu-nors constantly on hand, O. K. Hall, Pro-prietor.

CLEVELAND HOUSE, Corner Lake and Spring Street, Martin Vierling, Proprie-

L. REIDINGER & Co., Corner Front and Su perior Streets, Dealers in Fresh and Sait ed Meats, Fruits, Vegetables, &c.

SADDLERY & HARNESS

ENRIGHT & SPENCER. Dealers in Light and Heavy draught harness, Irunks and Vallses, all work warran ed to give satis-faction and all orders promptly filled.

WILKINSON & SMITH, Attorneys and Counselors at Law and Solicitors in Chancery, Fraser's Block, Front Street

DRUGS. H. H. STAFFORD, Dealer in Drugs, cines, Fancy articles, Books, Static Front Street.

BOOT & SHOE MAKERS.

CARRIAGE MANUFACTURY

LIQUOR DEALERS.

TAILORS.

BILLIARD ROOMS.

CIVIL ENGINEERS.

DRUGGISTS.

FURNITURE.

MERCHANT TAILOR

T. HANLEY, Corner Front and Superior Good Wines, Liquors and Cigar stantly on hand.

UGUST KOCH, Dealer in Wines, Liquots, and Cigars, Front Street, opposite Post

JUSTICE OF THE PEACE. FRANKLIN HOUSE, Superior street, Marquette, Toos, E. Cook, Proprietor, KEY STONE HOUSE, and Dining Hall, et r. Main and Third Streets, H. F. Stanton PENINSULAR HOUSE Spring Street, Frank

Boots, Shoes and Pacs, WOODWARD AVENUE, DETROIT. THE FIRST NATIONAL BANK GERMAN HOUSE, Front Street, Boothing by the day or week, Peter Werner, Pro-MARQUETTE, - - - Mich.

NEXT DOOR TO SAVING'S BANK,

42- None but competent workmen

L. WILLIAMS,

ocating and building Vater Powers.

Agent for the best Turbine Water Wae:

Agent for the best Turbine Water Wae:

Agent for the best Turbine Water Wae:

MANUFACTURERS AND JOBBERS OF

CIVIL ENGINEERING.

H. P. BALDWIN & CO.

P M. EVERETT & SON,

BEAN IL BIES,

And dealers in Exchange,

61-w-ly Marquette, L. S., Mich

NEGAUNEE SAVING'S BANK.

PETER WHITE, Proprietor,

H. E. HAYDON, Cashier.

NEGAUNEE, MICH This bank does a general Banking and Ex

ROGERS,

UNDERTAKER.

Door Sash Blinds

Shingles, Lumber,

All Kinds of Furniture.

MICHIGAN EXCHANGE.

SUPERIOR TRADE,

MANHATTAN. IDAHO, MINNESTTA, NEBRASKA COLORADO, NEVADA

DEALER IN
CTOTHS, CASSIMERES, VESTINGS, LOESKINS, & GENTS FURNISHING
GOODS, HATS, CAPS,
NOTIONS, &c., &c.

CTEAM BETWEEN

Sailing from New You Wednesday.

RERNHARD GRIEP,

Orsters for any of the Upper Mines and For naces withhe filled and sent by the earli-

N' BOOM A UNING BC.

Mining Cards. Capital & Surplus, \$270.000. M. L. HEWITT, AUBROSE CAMPBELL,
H. R. MATHER, R. V. CUBTELL, CLEVELAND IRON MINING CO. SAM L L. MATHER, Pres & Treas, JOHN OUTHWAITE, Vice Pres. FIRED A. MOIRSE, See, JAY C. MORSE, Agent, GENERAL OFFICE—CLEVELAND OHIO TATHER, R. V. CURTISS, PETER WHITE, PETER:WHITE, President. R. V. CURTISS, Cashier. C. HENRY CALL, Assistant Cashier.

CCHOOLCRAFT IRON CO. lands in Schooleraft County, Mich.
FURNACES AT MUNISING, GRAND IS.
PETER WHITE, President.
H. R. MATHER, Sec. & Treas.

BAY FURNACE COMPANY. CAPITAL STOCK \$150,000 Furnace at Grand Island Harbor. John Outhwaite Prest, and Treas'r, J Business Cards.

WILKINSON & SMITH. ATTORNEYS & COUNSELORS AT LAW MARQUETTE, - (L. S.) - MICH, Office in Fraser's Block, up stairs. IRON BAY FOUNDRY. Lake Street, Castings of all kinds made to order, Merritt & Osborn, Proprietors. EADQUARTERS

FOR LAGER BEER, STORE AT JACKSON MINE. 56-wlv

PUREST WINES & LIQUOR AND THE Choicest Cigars. A. KOCH is at home to suit his friends in his new building on Front Street. Opposite the post office.

T. McNAMARA, Shop over T. T. Harley's Harness shop, Corner Front and Superior Streets. Repairing promptly and neatly Mrs. J. L. ARMSTRONG, Proprietress.

MARQUETTE, MICHIGAN

This old and popular house is now being thoroughly renovated and repaired, and no pains will be spared to make it in all respects a first class house. Thankful for past patronage, the proprietress hepes still to merit its continuance.

maces without meet and sent by the earnies trail or conveyance. All sizes of boors, Sash, (glazed or unglazed always on hand, and everything in my lin-made to order on short notice. Store on Iron Street, near N. W. Depot, SHOP ON JACKSON STREET, NEGAUNEE COMMERCIAL HOUSE. MARQUETTE, MICH

L. WILLIAMS, Civil and Mechanical En-gineer, Office in Hurley's block, S. W. cor, Front and Superior Streets, See in-side advertisement. NEGAUNEE.

NEGAUNEE.

This house is centrally located, convenient to the railway depot, and but a few rods from the principal business street. No pains will be spared in providing for the comfort of the guests. Good stables in connection with the house living the following the principal business street. No pains will be spared in providing for the comfort of the guests. Good stables in connection with the house TRAVELER'S HOME, George Fick, Proprietor, Iron Street.

DEFOT HOUSE, Thos. Wallis, Proprietor, printer, from Street.

DEFOT HOUSE, Thes., Wallis, Proprietor,
near M. & O. R. R. Depot, Silver Street.

NEGAUNEE HOUSE, Thos. McKenna, Proprietor, Silvar Street.

DEFOT HOUSE, Thos, Wallis, Proprietor, near M. & O. R. R. Depot, Silver Stacet.

NEGAUNEE HOUSE, Thos. McKenna, Proprietor, Silver Street.

AMERICAN HOUSE, Gottleib Sporley, Proprietor, Silver Street.

AMERICAN HOUSE, Gottleib Sporley, Proprietor, Silver Street. GROCERIES & PROVISIONS. ISHPEMING HOUSE, LEON PARODIS, Proprietor. M. O'NEHLL, Iron Street, opposite Jackson

This house, is situated at the Lake Superior mine, and the purpose of the proprietor is to inform all who wish to visit the mines where they can find good accommodations Charges reasonable.

Ishpenning, July 20 1867.

45-tf

GREGORY & WEBB.

GREGORY & WEBB.

Carpenters Joiners and Undertakers.

Would hereby give notice that they have HERMAN WINDE, Cash Grocery, Iron L. D. CYR & CO., Drug and Variety Store, corner fron and Cyr Streets.

SAMUEL CARTER, Drugs, Medicines, Books, Stationery, &c., fron Street.

SAMUEL CARTER, Proprietor.

MENOMINEE, MICH.
This house has been recently greatly enlarged and reformished. The proprietor will spare no pains to make the stay of his guests agreeable. JEWELERS. EDWARD GIRZIKOWSKY & Co., Watch-makers and Jewelers and dealers in BOOTS & SHOES. DUNLAP HOUSE.

DONAHOE & PAGE, manufacturers and dealers in Boots & Shoes, Silver Street. Also Stores at Ishpeming and Washing-ton J. M. BELANGER, Proprietor. MARINETTE, Headquarters of the Lake Superior Line HARDWARE.
J. B. MAAS, Hardware, Srove and Tin-ware, Good Barns and stabling.
77
Good Barns and stabling. Iron Street.

GEO. E. ATWATER, dealer in Harware, Stovesand Tin-ware, Hopkins' old stand, 1ron Street.

A MERICAN HOUSE.

R. McCULLOUGH, Proprietor,

BREWERIES.

PENINSULA BREWERY, Geo. C. Shelden
Proprietor, Negaunee, Mich., Chas. A
Williams, Agent.

MARTIN MACKENJOS, Brewer, Iron Street.
JOHN DUNN, Negaunee Brewery, Negaunee.

Cor. Washington and Main Str's, Green Bay.

So-w-ly CEDAR RIVER, - - MICH, Stable and yard attached. 77-w3m

BROCKINGTON & CO., Empire Restaurant Meals at all hours, Iron Street, Negaunee. Fresh oysters and pigs' feet constantly on FIRST NATIONAL HOTEL. GREEN BAY, - - - WIS Corner Jefferson and Cherry Str's,

T. RYAN, wholesale dealer in Wines, Liquors Cigars and Tobreco, Iron Street.
FEIBISH & CO., dealers in Wines and Liquors, Tobacco and Cigars, Corner Iron EDWIN BUTTERFIELD JOHN J. BAGLEY & CO., Manufacturers of . FRED FUCHS, dealer in Wines and Liquors, Gold Street, near M. & O. R. R. Depot,

"MAY FLOWER," BROCKINGTON & CO., wholess le and retait dealers in Wines and Liquers, Iron St. CHARLES SUNBERG, Salcon, Iron Street. ARCADE SALCON, Jas. Ness-itt, Proprietor. Best of Wines and Liquers, Iron Street. CHEWING TOBACCO, SMOKING TOBACCOS. Best of Wines and Liquors, Iron Street.

McKENNA'S HALL, Billiard Rooms and
Saloon, John McKenna Proprietor, Iron PIPES, SNUFFS, CIGARS, &c. DETROIT, MCHIGAN. 52-1y.

TAS F. ATKINSON, JOSEPH ENGELS, dealer in Furniture, Doors and Windows, and Undertaker, Iron Street. Manufacturer of Wood Seat Chairs, MERCHANT TAILOF. HE HE HOM'H' HE AL HOM Of every description. Appleton, Wis.
Orders for the Lake Superior trade receive prompt attention. All work warranted.
Prices as low as any manufacturing establishment in the west.

44-by; lw-6m NEGAUNEE SAVING'S BANK: Peter White, Proprietor, H. E. Haydon, Cashier, Foreign Exchange and Passage tickets for sale.

PRICE \$3.00 PER ANNUM NUMBER 84.

NEWS AND GOSSIP.

ins are writing plays.

Prince Arthur's valet

orning the citizens of egaunee and vi-y that he has opened a new fewelry 8 n Iron Street, Negaunee, where he will k n hand and for sale at reasonable pri WATCHES, CLOCKS AND JEWELRY Of all kinds and descriptions. Repairing done on short notice, and satisfaction guaranteed.

Hoping by strict attention to business, low prices and fair dealing to me, it a share of the public patronage, I respectfully invite all in want of anything in my line to give me a call.

ADOLPH CROLL. ESTABLISHED IN 1848.

GLASS WARE. LAMPS. LOOKING-GLASS, PLATED & BRITANIAWARE, CUTLERY,

FANCY GOODS &c., &c Goods by the original package, or repacked o order at lowest prices.

#8-Liberal discounts for prompt payment. STAR SHAVING SALOON,

AND HAIR DRESSING EMPORIUM, MULVEY'S BUILDING, NEGAUNEE.

The undersigned who has had experience as first class barber in large cities, offers his services to the citizens and visitors of Ne-gaunee, in shaving and Haircutting, and curling Ladies' bair, in the best and most fashionable style. Jin.my shaving department I employ none

O. A. CHILDS & CO., Manufacturers of Hand Made

BOOTS & SHOES

111 & 113 WATER STREET.

SCOTCH AND AMERICAN PIG METALS. Nails, Spike, Bar and Sheet Iron, Agents for the Manufacturers of LAKE SUPERIOR CHARCOAL PIG IRON. No. 1, West Kinzie Street adjoining Chicago and Northwestern passenger detet Chica-

DECKER & STEELE,

EAGLE MILLS. 71w-11 MORGAN, MICH.

OCEAN STEAMERS. Inman Line of Mail Steamers, ling from New York every Saturday and alternate Tuesday.

Tickets sold to and from England Ireland and the Coulinent at moderate rates.

Apply to JOHN G. DALE, Agent, 15 Broadway, N. Y., or to

DRY GOODS, CLOTHING, FUR- 61-wiy Pirst Nat. Bank, Marquette, Mich

NISHING GOODS,
Grain, Crockery, Glassware, FurWILLIAMS,
WHITTLESEY, WHITTLESEY, HARRIS & CO., No. 372 Broadway, New York,

MICHIGAN EXCHANGE.

This Hotel, so long and favorably known to the Traveling Public, is being thoroughly repaired and put in perfect order for business, and will continue to be kept in all 18 appointments as a First Class House. But to meet the wishes of our friends and patrons, our charges will be reduced to \$2.50 per day, and the proprietors solicit the patronage of all who wish to find a quiet and pleasant home while in the city.

E. & F. LYON, Proprietors Detroit, Feb. 15, 1889.

ILGREGORY.

J. WEBB.

BRIGGS HOUSE, GREGORY & WEBB.

dertakers.

Would hereby give notice that they have purchased the therepenter and Bailaing business of feorge Wazner, and leased his shoon Superior street, where they will be found ready to do all kinds of Joher Work, and take contracts for building and everything done by the trade. Cabinet work done to order, and building material constantly on hand and for sale.

WHITTIANS MARKET ALLY
STREET STATES AND ACCOUNTS AND ACCO Lower Ishpeming.
Where choice meals can be procured at all hours.
AN EXPERIENCED COOK Has been engaged, and arrangements are ompleted for a weekly supply of From below. Every exertion will be used y attention to the wants of the public to nake it as avorite a resort as Delmonico's of few-York.

119-tw-tf make it as favorite a resort as Delmonico's of New York. 119-tw-tf Ishpeming, Dec. 21, GEO, BARCLAY W. D. ROBINSON, BURTENSHAW & CO Manufacturers, and Wholesale Dealers in BOOTS AND SHOES. SPECIAL ATTENTION GIVEN TO LAKE

New York, Queenstown & Liverpool. New York every Wednesday.

"Gross Passage, Liverpool or Queenstown New York \$7 in Currency. Passage from the Gothenburg, Hamburg, Paris and other Continental paris at equally lew rates. Apply to WILLIAMS & GUION, 29 BroadwayNew York, or to PETER WHITE, 61-wly Marquette, Mich.

Poetcy. THE OLD CANOE.

Louisa Muhlbrach and Wilkie Col-Reddy, the Blacksmith, is again in the New York jail, this time for smashing Broadway show cases.

The latest agony in Paris is for photographs of Victor Noir.

'Marriage, divorce and affinities,' is a standing hear' in a New York paper.

A Ministricular New York paper.

And the solemn owl, with his dull 'too-A Mississippi politician has started a newspaper called the "Colored Statesman."

The spider stretches his silvery screen, And the solemn owl, with his dull "too-ho settles down on the side of the old canoe.

The start half

Rots slowly away in its living grave, And the green moss creeps o'er its dull d The Indians favor the importation of Chinese. They want those long pig-tail scalps.

A California newspaper abuses a man backflower; by the tendence of the control of the A California newspaper abuses a man because he backed out of a fight after getting both ears bitten off.

The flower;

Or the try that mantles the fallen towe while many a blessom of lowliest bue springs up o'er the stern of the old cane. Springs up o'er the stern of the old canoe.

A Mormon elder living in Salt Lake city, has buried one hundred and for ty-eight children. The job is given out by contract.

And lazily in and out again Canadian papers say that the majority of the oil wells lately bored in the Dominion have proved failures.

And lazily in and out again
Its floats the jength of the rusty chain,
Like the weary n areh of the hands of time,
That meet and part at the noontide chaine,
the charge is blossed at each turning

Secretarian The polity grows and secretarian the secretary of the polity of the office of the polity of the polity of the office of the polity of the polity of the office of the polity of the office of the polity of the polity of the polity of the office of the polity of the polity

sand dollars in bank stock. But

tand deep, mely pride, ittle:

The story agreed with things that she was. The story agreed with things that she had hinted at, but only hinted at, and even they, the next morning whole day which less than a seem than a man, and people could not afford without some reason to loose his favor. Could he in reality be such a secondre!?

She could judge better about the truth of the story when she had seem len. Two or three inquiries had amounted to nothing. The children spoke just as if everybody must know who Ben was. Was he an uncle, couwho Ben was. Was he an uncle, could not affect the story who Ben was. Was he an uncle, could not affect the story who Ben was. Was he an uncle, could not affect the story who Ben was. Was he an uncle, could not affect the story who Ben was. Was he an uncle, could not affect the story who Ben was. Was he are considered to the story who Ben was. Was he an uncle, could not affect the story who Ben was. Was he are contained to nothing. The children spoke just as if everybody must know who Ben was. Was he an uncle, could not affect the work of him had a should not affect t

Young Ben Hazel, out in the field pitched up the last nay on the load, leaned his pitchfork against a tree, and took off his hat to cool his moist forehead. His gaze followed the hay cart, went over the broad lands and returned.

The hay has all gone in, he said, with a long breath of frelief. I could not afford to lose one load now; I don, tknow that I can do it, but if I can sell part of the land I may. It will be a hard pull though.

The young man followed the cart into the barn. The storm was at its height when he went towards the house from the back way. He stopped in surprise, as he saw through the window some one was standing at the table, with arms bare to the elbow mixing flour. It must be Martha.

No, those fair white arms are not Martha's, neither hers the slender, graceful figure. As he came nearer, the could distinguish the sparkling.

ecls, Hosiery

ton, Mass. IBBS FA ILY Machine LY USE FELL,

EGISTER

CH NE IN AL of the

ACHINE change. We Needles for COMINGS.

AGO ILL.

Club"

ury: ng Tobacco chewing to-

latter may themselves form in flexible bodies, when united to larger masses. The flexible Indian sandstone, for intance, consists of a mass of quartz crystal through which fibres of asbestos are uniformly disseminated; otherwise to sare uniformly disseminated; otherwise the dious process of the engraver.

The eccent inventions of Charles

St. Marie Canal.—Memorial in Congress in relation to St. Marie Canal invested. Number of employees and their families.

Casting Company at their foundry in Somerville near Roston promise. Michigan Leville and Michi mica crystals in the quartz, as for inzil is regularly associated with the

wrough iron. It is similar to dark greatly altered, on account of the flexibility of the material, which someing before it breaks. The fracture of very carefully manufactured mallealike that of a very fine grained, white ished as well. With regard to the Mallenble cast iron is gener-

ly in contact with rough surfaces. expected from its small density. Ac-

instance is known where malleable slight elongation, assuming thereby, a finer grain. It may be pretty well forged at a low red heat, somewhat above a cherry red heat, but in endeavoring to beat it out it tears and breaks to pieces. According to Mallet this temperature, and that beneath a bright yellow heat, are those at which it may be best forged; but it is more than probable the various kinds act than probable the various kinds act differently under the same circum-

face of contact be kept free from rust; it is self-evident that it cannot be welded with wrought iron or steel, still it may be soldered to them by means of a hard solder. With respect to the fusing point of this metal, it is a high one; it lays above that of gray or hard cast iron, but probably not above that of many sortsof white or hard cast iron, and certainly considerably below that of cast steel. In the fire, malles ble cast iron is said to be more slowly oxidized than ordinary cast iron. In France the silver regretations and in the blast furnace, he proposes certain modified forms in the reverbators of hard cast iron, but probably not above that of many sortsof white or hard cast iron, and certainly considerably below that of cast steel. In the fire, malles ble cast iron is said to be more slowly oxidized than ordinary cast iron. In France the silver regretation of air to pass through the manufactured pins, needles, show that the supervisors would author to waver, but went to Birmingham and manufactured pins, needles, show attired of infinitestimal essentials. Here he saw in a shop window steel pen, priced at sixpence. He bought three made be ter and lighter to the that the supervisors would author to the distance strings and other infinitestimal essentials. Here he saw in a shop window steel pen, priced at sixpence. He bought three made be ter and lighter to reduce, and sent specimens to Perry. The inventor was delighted, advanced and manufactured pins, needles, show attired forms in the reverbator of a winter road manufactured pins, needles, show attired to the that the supervisors would author to the thing that the supervisors would author to the transfer of the blust that the supervisors would author to the three transition of a winter road manufactured pins, needles, show at the same and or the construction of a winter carpet.

Mason was a Kidderminster carpet. that are manufact ared from that ma-

long time no material improvement in the methods and processes of casting metals. Molds of sand into which

THE PROPERTIES OF MALLE-ABLE CAST IRON. the molten liquid is poured, produc-ing rough castings, requiring to be finished by hand, is the process, which ble iron, according to Mr. R. Mallet, is to be attributed to the fact that small crystalline scales of graphite are uniformily dessemated through the mass of the iron. Indeed, it is otherwise known that the most rigid materials become flexib e when fibrous or scaly crystals of different natures are distributed through them to recently the sealer may themselves form in flexible bodies, when united to larger masses. The flexible Indian early of flexible Indian early for the flexible with the flexible Indian early for the flexible of the cast at the flexible of flexible in the flexible in the flexible Indian early for the flexible in the flexible in

ttance, consists of a mass of quartz tion by the Metallic Compression rules:

crystal through which fibres of asbestos are uniformly disseminated; other kinds of flexible sandstones contain to result in an entire revolution in the cede to the United States the St. Marie metallurgic art, so far as casting is Canal and make the same free of tolls;

spective bodies must, in all these is taken from the mold, not with a offer of Michigan.

Brull, as the result of three determina old, but at no greatly enhanced cost. Experienced iron men tell us, and tions, found the numbers 7-10, 7-25 and 7-35. The specific gravity of work producing for the market, house they are right, that this furnace stands wrought iron being from 7-6 to 7-8, we have another proof that malleable cast hinges, escutcheons, bell pulls, dies have another proof that maneable cast iron is not identical with wrought iron. The fracture of malleable cast iron is very different from that of any kind of wrought iron; it is darker duced by hand, but by the new produced by hand, but by the new proand less brilliant, and lacks that fibrous aspect so characteristic of tough greater facility as common rough cast ings. Experiments entirely successand ordinary pottery, but different from it in color and lustre. In forging, the aspect of the fracture becomes heads, of Corneille, Schiller, Goethe, greatly altered, on account of the flex-

medal, the dies for which occupied times requires considerable hammer- the artist eleven years in their execution. The copy we saw cast by the Compression Casting Company came ble iron appears on the average more from the mold as perfect in finish as if struck by the original die. These east iron than that of wrought iron. In experiments show that, no matter largepieces the fracture is uniform how delicate or elaborate the style throughout. In filing, turning and plan- of the work, it can be cheaply and ing it works quite similar to wrought with perfect accuracy produced by whiter. Large pieces can seldom be well turned to a great depth. According to some statements, malleable iron of the battle of Bunker Hill, after is capable of taking a better polish Trumbull's famous picture, contain-

han cast iron, and ittakes as good a ing over fifty figures, originally modone as cast steel. It also holds a better justre than many sorts of dark and Mr. Smith by the compression proimpure wrought iron, but the polish cess. Several European founders deis inferior to that of good steel, as in clined the work, the artist requiring razors of first quality, even the sur- a guaranty of payment of five thouface appears a little whiter. Good sand dollars, the value of the model, and cast iron may probably be polin case of injury. The other was a specimen of wheels used in cancelling bardness, reliable data are not pro- stamps, with the edges lettered and figured. The molding of these wheels very soft-softer than excites the admiration of the specta-

expected from its small density. According to Brull, oil, when left in a cup of malleable iron, penetrates through it in a very short time; the correctness of this assertion, however, remains doubtful. Cast iron bells are far more elastic than bells of malleable iron, producing also a higher and clearer sound.

Morin and Tresca have found that the elasticity of malleable iron is considerably less than that of the most inferior wrought iron. The absolute power of resistance, is indicated by the over of resistance, is indicated by the correcting to Brull, oil, when left in a cup of malleable iron and steel have recently been into the grain; the smaller the crystals, and the flatter than the first you sent. Thank the test than the first you sent. Thank the test word.

It is last manuscript is very much better than the first you sent. Thank theeter than the flatter the pyramids, wh

will bear rolling to a small degree. brick or stone work which constitutes All these manipulations about a clos- the furnace, suitable openings being er grain, and a fracture similar to that left in the shell. The inventor preof fine grained steel-like iron. No fers to make the shell in separate rings or sections, united by stout iron has been drawn into wire; but flangs, by means of which the this is possible, since it will bear a several portions are firmly united, the slight elongation, assuming thereby, whole being as far as needful, strength-

more per square incb, on the whole internal surface of the surface.

Another improvement in furnaces.

Another improvement deficiently certainly described at yellow heat, malleable iron, might advantageously be made from it in cases where the furnaces are retained under pressure at yellow heat, malleable iron fulls to pieces, and large, not uniformly comented pieces appear in the interior. It is clear that malleable iron cannot be welded properly; indeed, this is the case even if two pieces can be made to stick together, and the surface of the surface.

In the steel pen is now so universal a cool that it is difficult to contemplate a tool that it is difficult to contemplate a cool that it is difficult to

finers use a large number of crucibles | tight at all laps and joints, and of suf-

that are manufact ared from that material, but no accounts exist of how much iron they leave to the silver. According to Brull, malleable iron can be tempered with the ordinary caboniferous cementing powders, as well as with prussate of potassa. If watered when bright red hot, it may be tempered more or less; still the tempered more or less; still the tempered more or less; still the tempered and points, and of sufficient strength to resist safely an internal pressure of one or more atmosmown in America and Enrope more hore in excess of the external atmaps and joints, and of sufficient strength to resist safely an internal pressure of one or more atmosmown in America and Enrope more how in America and Enrope more of the outside of the country is level and comparati

form, and quite different from that of good steel, but perhaps more perfect than that which wrought iron assumes, when suddenly cooled. Still, correct statements are yet wanting with regard to this point.

A NEW METHOD OF CASTING METAL.

Until recently there has been for a long time no material improvement.

Instead of oval, and of a smaller size than usual, lining the mouth with a single ring of well burnt fire-clay or composition of clay and plumbago, and he forms the metal part of the convertor with a movable, dove-tailed dianged ring, so that the fire-sly mouth of the vessel may be readily taken out and renewed by unbolting or uncottering the iron ring which retains it tering the iron ring which retains i

ELECTRIC LIGHTHOUSE.

stance, the itacolumite, which in Bra-zil is regularly associated with the diamond. The flexibility of the re-

Three hundred years ago, when man had just began to gain control over the forces of nature, and while he was yet fighting against religious intolerance for the bare liberty to study them, there was one great mind that soared above his fellows, with the capacity and will to look into the future and form an appreciative estimate of what was in store for man through the genius of invention, which was then just beginning to make itself felt. Lord Bacon must have had a full unforce in the choicest caligraphy I could manipulate. My first eflort not proving satisfactory to the autocrat aforesaid, and receiving an editorial intimation that my hieroglyphics were not legible, but that if I would call and read the article, 'it was quite likely they might give it a place.'

My dignity and self-esteem, these valuerable spots, were probed to the death; and I politely requested the autocrat aforesaid, and the loose dress with the bed or lounge. To be up, they must be stay-the deup, and to recommend a comfortable dress to them is not to meet a conscious want of theirs. It is a great the loose dress with the bed or lounge. To be up, they must be stay-them, there was one great mind that my hieroglyphics were not legible, but that if I would call and read the article, 'it was quite likely they might give it a place.'

My dignity and self-esteem, these valuerable spots, were probed to the death; and I politely requested the autocrat aforesaid, and the loose dress with the bed or lounge. To be up, they must be stay-tone lounge. To be up, they must be stay-tone to lounge. To be up, they must be loose dress with the bed or lounge. To be up, they must be loose dress with the loose of the mit the loose of them. They associate the loose dress with the bed or lounge. To be up, they must be stay-tone to plunge. To be up, they must be loose from that the loose of the mit the

imitations of God's own works.'

y in contact with rough surfaces.

It is exceedingly porous, as may be xpected from its small density. According to the first qualities of crystalline iron, are of about twice of the finest qualities of crystalline iron, are of about twice the hight, the more uniform the layas. There are found silver, lead,

THE INVENTOR OF STEEL compelled to remain at White Fish, from a slight indisposition, and ina-

Nobody who has to pay for his own stationery now thinks of using the goose quill for writing purposes. The feather, classical and embiematic, only retains its hold in public offices, where the State or some other reckless

PIG IRON. COST OF MANUFACTURE IN " HANGING ROCK" DISTRICT, OHIO.

rules:

[The memorial sets forth that the Michigan Legislature has offered to cede to the United States the St. Marie Canal and make the same free of tolls; and that as it would be greatly beneficiary to the Legislature of the Legislature of

Every article of merchandise, pork, corn, flour, &c., commands a larger cises be ascribed to the property of the smooth crystals to change their positions to each other, and with responsitions to each other, and the responsition to each other. positions to each other, and with regard to the mica scales in the sand coin or medal struck by a die, and this at no considerable addition to the the first run of iron, about three tons. scales in the iron.

According to Pelouze and Fremy, the specific gravity of malleable iron approaches very nearly that cast iron.

Brull, as the result of three determinas

had just begun to gain control over nipulate. My first effort not proving

Lord Bacon must have had a full understanding of the true spirit of inventien, and a just appreciation of the influence which it was to exert on influence which it was to exert on influence which it was to exert on human affairs, when he wrote the following paragraph:

"The introduction of new inventions seemeth to be the very chief of all human actions. The benefits of new inventions may extend to all mannal actions. The benefits of new inventions may extend to all mannal actions are, as it were, new erections and of which was darker than the print.

Inspection, the request was superflusions as superflusions, the request was superflusions and the request was superflusions, the request was superflusions and the request was superflusions, the request was superflusions, the request was superflusions and the request was superflusions, the request was superflusions, the request was superflusions, the request was superflusions and the request was superflusions. The second paper not being as straight-jackets, they would fume, and fret and rave in very desperation if they could not get rid of them. As it they tions are, as it were, new erections and of which was darker than the print. He 'wondered how the h-l and A young lady asked a young gentle IRON AND STEEL CRYSTALS.

The Journal of Applied Chemistry says: M. Schott, of Ilsenberg, has made many microscopical examinations of the structure of steel and iron. He mantains that "all crystals of iron are of the form of a double word "surrounded by several imps, whose cyes sparkled at the prospect of my humiliation, and consequent fun. Making reply that 'I did the best I could—I could not help it—I was sorther than the meaning of the word "surrounded by several imps, whose gate," and he explained it to her as "a gate through which parties have to gate," "Then I imagine," "Surrounded by several imps, whose cyes sparkled at the prospect of my the lady, "that it is a corruption of sortowate." "You are right," said he, man, "out of the lady, "that it is a corruption of sortowate." "You are right," say woman is an abbreviation of woe to man." d----n such copy, etc.' I was soon man the meaning of the word

wrought iron of any kind. It takes the admiration of the spectator, as he observes the simplicity and the impression of the hammer with a very slight blow, and wears off rapid-factory character of the result.

| Could | Co

power of resistance, is indicated by the latter as being thirty-five kilogrammes per square metre. Thin pieces, of a diameter not over one-quarter or three-eights of an inch, may be bent while cold without cracking; but they can rarely be restored to their original state without being partly or altogether fractured. However, the end of a rod may be forged till red hot without a break or crack being produced; thin plates may safely be intimg with the metal ring which inmamered into hollows, provided they are not too deep. Malleable iron will bear rolling to a small degree. from a slight indisposition, and ina-

bility to keep up with the party

the route farther. Suffice it to say

the trip, provided they go with the determination to see through their mental glasses.

For the difference is as great between,

The optics seeing, as objects seen.

Those unaccustomed to anow-shoes may very likely suffer the torments of the d — d, provided they endeavor day. The better plan is to camp Shot Point the first night, next at L W. Fish river, and by starting very early, Grand Island may easily reached on the third day.

The larger the party, the greater enjoyment, and the quality of the fun will also depend very much upon the character of your guide Philosophically musing, 'extreme

nature, equal ends produce,'-Erge "There is but a step from the sub ime to the ridiculous.' Imagine melancholly pilgrim, climbing up the dope of a monster iceberg; reaching the pinnacle, he takes off his beave his tattered ensigns the while, fluttering from keel to half mast, war-worn relics of a ten days campaign among the icebergs, striking an attitude a la Norval, he spouts:

"Ye, who have followed the pilgrin to the scene, which is his last; if in ye, dwell a single thought or recollection which once was his; "not in vain he wore his sandal shoon and a scallop shell,"

A WORD TO WOMEN.

Experienced iron men tell us, and from personal observation we judge they are right, that this furnace stands almost without a rival in perfect finish, convenience in workmanship, in the United States.

The True Spirit of invention.—
Three hundred years ago, when man had just begun to gain control over the forces of nature and while how to appreciate an easy, healthful dress. They think their dresses are loose, when a man or boy put into one as tight would gas profrom the bergs,' were occasioned by a want of appreciation (on the editor's part,) or the choicest caligraphy I could manipulate. My first effort not proving

CURRENT TOPICS.

A double-shotted projectile, invented by J. W. Hill, of Jefferson, Williams county, lowa, by which he claims that a shot can be thrown eight or ten miles, is being experimented with at Fortress Monroe by the government authorities.

e propose a short, clear and strong ent to prove the Divine inspi ration of the Holy Scriptures. The Bible must be either the invention of good men or angel, bad men or devils, or of God. It cannot be the invention f good men or angels, for they neither could or would make a book, and be guilty of representing themselves as God, saying, 'Thus saith the Lord,' when it was their own invention. It could not be the invention of bad men or devils, for they would not make a book which commands all duty, for-

Dealer in

INDPENDENT

FREIGHT LINE

CAPT. THOMAS HAWLEY

Vishes the Lake Superior Public to kno that he is again on the route between

And is prepared to receive and safely transportal freight consigned to his care, to of from either of the above names points.
Lake Superior merchants and others ordering goods from below should have them consigned to the care of Capt. Hawley, Green Bay to insure their prompt transportation to Escanaba at fair rates.

All orders for

LARD.

Will receive prompt attention.
All such orders if not given person should be addressed to the undersigner four Howard, Wis, 738-38.

Lake Supe'or Stage Co.

Marquette to Green, Bay 5 00.

Negaunee to Chicago, 12 00.

Negaunee to Green Bay 4 00

Best of Teams, Sleichs and Robes

convenience of passengers, 74-w3m-tr-w MARK ENGLISH, Sup't.

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HOUGHTON!

U. S. M. Stage Company

Freeman Bro. & Crooks

R. BECD B. RE E EC. E. C. HEW.

Stages leave Marquette every morning A. M., isguidays excepted, and strict long iton next day at 2P. M., incking accions at Negaunee, both ways, with

Chicago & Northwestern R. R.

Having spared no pains in getting up

GOOD TEAMS AND SLEIGHS

JOBBING PROMPTLY ATTENDED TO.

D. H. MERRITT. L. E. OSBORNE

Manufacturers of

Marquette, Feb. 2, 1870.

BUTTER.

EGGS.

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PORK

DRUGS. MEDICINES

Books and Stationery.

A CAREFULLY SELECTED STOCK

Comprising in part: SOAPS,' BRUSHES, PERFUMERY, POMADES, COSMESTICS, DRESSING CASES, TOWELS, FRICTION GLOVES. MIRRORS, (Hand) TWEEZERS,

CHAMOIS,
PLASTERS and SPLIT SKINS,
VANILLA BEANS,
FARINA COLOGNES,
MOUCHOIR SACHETS,

ACHET POWDER in Bulk.
PUFF BOXES AND PUFFS
COURT PLASTERS, PLAYING CARDS. CACHOUS, CACHOUS, LIP SALVES, RAZOR STRAPS, ENGLISH RAZORS, POCKETCUTL 1;

DER FLASKS, FRENCH BLACKING, TINK SAUCERS, SYRINGES. LINT, TRUSSES. CORN PLASTERS

ORANGE FLOWER WATER MAW'S FEEDERS. CHIRIS EXTRACTS.

NOVELTIES.

Prescriptions Carefully Prepared All Hours of Day and Night. A FULLY AND CO PLETE SLOCK OF

BLANK BOOKS

HOOL BOOKS, MISCELLAN EOUS BOOKS.

Consisting of all Standard Work and the Reading Matter of the days.

INITIAL PAPER, ENVELOPE Fabers and Eagle Pencils.

DRAFTING PAPER THOMAS POYSER.

PIONEERS

SOAP MANUFACTURER OF THE

UPPER PENINSULA! Is now prepared to furnish the public wit Soars of a Superior quality, and at prices low or lower than are, aid to outside Mana

My soaps are made from the purest ma-terials, are free from all adulterations and contain more detergent properties than any other soaps in the market. I make only a

PLUMBING, GAS AND STEAM WALTON DUANE. Having purchased of A. F., Swift & Co. their entire stock of gas fixtures, would respectfully inform the public that he is prepared to do all kinds of

And am satisfied with small profits. our PLUMBING, GAS AND STEAM FITTING

I pay the highest market price for

IRON BAY FOUNDRY GREASE & TALLOW

DEALERS IN

"COMBINATION BANK LUCK."

DIRECTORS.

JOHN J. BAGLEY, President. D. v. PAIGE, Superintendent. Z. d. BROCKWAY, Sec'y & Treas. R. N. RICE, CHAS. FARGO.

STEAM ENGINES ! Negaunee, Nov. 19, 1866. 70-wly BLAST FURNACE, MINING and MILL MACHINERY,

PUMPS, &c. Iron & Brass Castings, DETROIT SAFE COMPANY Of every description made to order. MANUFACTURERSOF VAULT DOORS AND VAULTS.

ABBITT OR ANTI-FRICTION METAL for Bearings, constantly on hand. He Post Office and Store Door Locks HEAVY OR LIGHT FORGINGS. • Particular attention given to repairing fall kinds. Orders respectfully solicited.

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PERFUMERY, HAIR OILS, AND FANCY GOODS. Also a large and complete stock of STATIONERY & SCHOOL BOOKS

Tobaccos & Cigars GREEN BAY AND ESCANABA PIPES POUCHES and BOXES, FISH HOOKS and LINES, LADIES' BASKETS,

POWDER, SHOT, and CARTRIDGES. GUNS and PISTOLS, CANDIES and NUTS, COAL OIL LAMPS and CHIMNIES, PAINTS. WHITE LEAD and

PAINT BRUSHES, PURE WINES and LIQUORS, CLOCKS, WATCHES& JEWELRY POULTRY, &c. J. ROPES & CO. RUGS AND MEDICINES.

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DRUGS, MEDICINES PAINT OILS. CHICAGO DYE STUFFS. PAINT AND VARNISH BRUSHES. HAIR BRUSHES

> Of Every Description, TOOTH & NAIL BRUSHES

TOILET ARTICLES

Fr an and after this date, fare will be us fol-HAIR OILS, From Marquette to Chicago, \$13 50. POMADES.

NO EXTRA CHARGE for baggage noticex-PATENT MEDICINES, eeding 75 pounds

Pure Wines and Liquors 43 Tickets can be procured at the folloing Offices at the figures above given: NATIVE'AND FOREIGN W. S. Daliba, Am. Express Office; W. Finney, M. & J. R. R. Depot, Marquette; O. W. Doolntle, C. & N. W. Freight office;
Jus. Freeman, Jackson House, Negaunce. For Medicinal Use.

This line runs in connection with the Chi-go & Northwestern Passenger trains, and seman's Marquette and Houghton Mail ges, leaving Marquette at 8.9 every morn-(sundays excepted) leaving Tilden se, Issanda at 7.3 M. A., and arriving out Howard the following afternoon is and Prescriptions prepared and discensed at all hours. Corner of Front and Superior Streets ESTABLISHED, 1836.

Brown, Harris & Hopkins IMPORTERS & JOBBERS OF Hardware, Cutlery,

&c., 180 Greenwich & 60 Dey Sts., The Justly Celebrated DOUBLE BITTED AXES Manufactured by us, after Five years trial are now conceded to be the!

ONEY ANDS suited to the wants of the Lake Superior Wood Choppers. In manufacturing them for the comin season, extra care has been taken to sustai the reputation they have so justly carne and we can safely say from the severe test employed to make them periest, that no ax in the country can surpass them in beauty

LOOK FOR THE STAMP "Brown, HARRIS & HOPKINS," And do not be satisfied in having Dealers se they have Axes JUST AS GOOD. For Sale by all First Class Dealers

Axes on Lake Superior, fro m the

S ult St. Marie to Duluth. To insure prompt delivery, orders for the BROWN, HARRIS & HOPKINS, P. O. Box No. 1360, New York City

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Coleman & Buchanan LAKE STREET,

Marquette, Mich, gers through with " (NEAR IRON BAY FOUNDRY.) Comfort and Despatch! Manufacturers of

> STEAM BOILERS, SMOKE STACKS BREECHINGS, DOORS-for Bank

> Vaults-WINDOW SHUTTERS, and all kinds of SHEET IRCN WORK.

SKIPS KIBBLES, ORE BUCKETS And all kinds of Mining and Furnace Work

JOHN BUCHANAN, GEO. M. COLEMAN Marquette, Dec. 21, 1889. 75-w-13 CRAIG'S Union Stage Accomd'n New Goods!

Particular Attention Paid) to Repairing.

ISHPEMING

Every morning (Sundays excepted) at 8 A. M., passing NEGAUNEE At 8:30 A. M., calling at the OH DEN HEDUSE.

ALSO LEAVE!

Marquette At 2 P. M. every day, (Sunday ex- the past year. cepted. Marquette, Dec. 11, 1869, 75w-3m

TINION IRON WORKS. FOND DU LAC WINCONSIN

WM. H. HINER & CO., PROPRIETORS.

MANUFACTURERS_OF

STEAM ENGINES,

and Mill Irons of every Descripoti In the Machine Department we us test Modern Machinery, and guarant arm out all kinds of Machine Work (ber

BRASS CASTINGS

A Supply of

JUDSON'S CELEBRATED Governors and . Valves

Always on Hand. References on Lake Superior: Maj. T. B. Brooks, Negaunee: Henry J. Colwell, Clarkaburg; A. G. Clark, Mar-juette. Sept. 1, 1899

HARDWARE!

MAAS & COLWELL ave opened a hardware store at

ISHPEMING SHELF HARDWARE,

NAILS, GLASS. BAPH WOODEN WARE,

LAMPS. CHANDELIERS. LATH AND SHINGLES.

WILLOW WARE,

TIN, COPPER AND SHEET-IRON WARE MADE TO ORDER, ON SHORT NOTICE.

Our stock embraces everything usually found in a first class hardware establishment, and buying principally direct from manufacturers hands, we are enabled to offer our goods at as low prices for cash, as can be obtained at any other house on Lake Having settled here to slay, we invite an inspection of our stock by all those in need

anything in our line. STORE NEAR NELSON'S LARGE STONE WAREHOUSE.

MAAS & COLWELL.
Ishpeming, Nov:18, 1869. MIGARS & LIQUORS.

Rothschild & Bending Cigars, Tobacco. &c., &c., &c.

Special attention is called to the brand of eigars, known as INDIAN BRIDE, INSPECTO'S FAVORITE. REDICROSS.

Own Favorite, Which cannot be excelled in PRICE OR FLAVOR

Also Wholesale Dealers in Imported and Domestic LIQUORS. Including Whiskles, Gins, Wines, Brandi &c., which wil be sold at very fair rates, Op site the new post offic. Store on Front treet, sign of the Turkish Sultan.

PRANKLIN BREWERY! GEORGE REUBLEIN Proprietor.



LAGER BEER

PRESENT USE

ALWAYS ON HAND, And delivered at any of the stations on the line of the Marquette & Ontonagon Rail-LOWEST CASH PRICES.

Groceries, Provisions. Crockery Glassware. Boots & Shoes.

New Goods!! New Goods!!! Are just opening a full line of the above named goods, which we are selling VERY LOW.

FANCY GROCERIES SHELF GOODS! Canned fruits from 50 to 100 per cent, than they have been sold in arquette the past year.

If you have CASH

GIVE US A CALL.

EARLE & BRO.

THE MINING ARQUETTE SATURD Zocal gute

> TO OUR FRI Communications from Peninsula, containing loc ing local interests, or so rantages, are earnestly so make the MINING JOU chronicleing its news; and to lend us a helping h work. Write, -briefty, and The Mining Journal has lation of any paper public Peninsula of Michigan find it the very best media to reach the Lake Superior

St. Paul's Church—(Episco Fay, D. D., Rector. Sc ing; 7.30 evening; Sabb diately after morning so Methodis.—Rev. J. F. Ha Scivices, 10.30 morning;

. O. O. F. O. F., meets every Wedness o'clock P. M., for the printed hall, Frazer & Adams' block.
N. S. HARVET, FRANCE NOTIC On and after thi printing ordered be paid for when delivered. We fin rapidly accumulate books, and find it i

pay cash for stock and give credit to al lecting overbalance we make on our w are compelled to cash for everything paper, ink, &c., an essary that we sho prompt pay for our We hope our fi view this matter light, and not think nuch when we dem for work at the tin livery. It is the o way of doing busine shall rigidly adhere future.

METEOROLOG

There fell during the two aggregate 6.50 inches of wat anow, viz.: January, 1870, 1869, 4.29; to supply which about six feet of snow, as i this climate.

The above figures seem is not the records here am un At the records here average for years past. If Grand Isla Copies of the Congression found at the reading room Men's Christain Association

Owing to a surplus of PERSONAL.-Dr. Hew P. Ely, returned from a suc expedition to the head of Lit on Wednesday evening, with ty of vension.

Mr. Jay C, Morse, Col.

F. B. Spear and a party of
Edwards Mine reached be

GAS FITTING .- Walte has employed another, a No is now prepared to take con and all kinds of gas fitting ment of fixtures in town. ed. Parties wishing to pure desirous of having work in done, cannot do better than call. Office and store in Hur loor west of the Express of

CARNIVAL AT THE last grand masquerade car son will be held at the evening next. A large n will appear in fancy dress lephant "Tippo Si Ab," wast time this winter, hav by the celebrated Dan I his circus company of mer. A full brass band of ance, and good music may The managers of the rini Bros., have, by their atter granly manner during the universal fav rites among ice. We only regret that it not paid well enough this; them to open it another wit A general good time may

day evening. Turn out give the rink a rousing bene ROLLING MILL.—W stack and other imposeen advancing slowly One new heating and one have been added, and the have been added, and the maily overhauled. It is the stack will be in readiness to of June. The remainder of probably be put in operation ing of navigation. The rolli being widened its entire len A third addition in width we two bundred feet, making a will be eighty-five feet it applies for the addition will it. the ice lasts, and the pier w ning of navigati

WATER WORKS.-A made during last week to for the main pipes, but on appl of one hundred pounds to the of one hundred pounds to the pipe gave out in several pumping had to be stopped culty could be repaired. It digging the pipes up at the ir rai pieces of fractured pipe in fall during the cold weather necessary to put in new pemping can be resumed. 2 ed by a hydraulic pressure hundred pounds to the squi leaving the foundry, and it hat any further trouble will that any further trouble wi moving the broken pipe. MENOMINEE IRON D

Some of the owners of our this county are using every the mines. They believe the able to accomplish the object or two. If this can be done the population of Menon

There fell during the two months past an aggregate 6.50 inches of water in the form of snow, viz.: January, 1870, 2.30, December, 1869, 4.20; to supply which would require about six feet of snow, as it usually falls in this climate.

The above figures seem large, but as I have not the records here am unable to give the average for years past. H. S. BACON, Grand Island, L. S., Mich. Copies of the Congressional Globe can be found at the reading rooms of the Young Men's Christain Association. OWING to a surplus of other matter this week, our local items are necessarily PERSONAL .- Dr. Hewitt and Mr. S. P. Ely, returned from a successful hunting expedition to the head of Little Bay de Noc on Wednesday evening, with a large quanti-Mr. Jay C, Morse, Col. as. Pickands, Mr. F. B. Spear and a party of directors of the Edwards Mine reached here from the east on GAS FITTING.—Walter Duane, Esq. has employed another, a No. 1 gas fitter, and is now prepared to take contracts for any and all kinds of gas fitting. He has also the handsomest and most complete assort-ment of fixtures in town. Any work done by Mr. Duane's fitters will be fully warrant-ed. Parties wishing to purchase fixtures, or desirous of having work in this line neatly done, cannot do better than , to kive him a call. Office and store in Hurley's block, first door west of the Express office CARNIVAL AT THE RINK.-The last grand masquerade carnival of the sea-son will be held at the rink on Monday son will be held at the rink on Monday evening next. A large number of skaters will appear in fancy dress, and therenowned elephant "Tippo Si Ab," will perform for the last time this winter, having been engaged by the celebrated Dan Rice to travel with his circus company during the summer. A full brass band will be in attendance and good music may be expected. ance, and good music may be expected.

ance, and good music may be expected.

The managers of the rink, Messrs, Hursley Brox, have, by their attentive and gentiemanly manner during the season, become universal fav rites among the lovers of the ice. We only regret that that the rink has not paid well enough this season to induce them to open it another winter.

A general good time may expected Monday evening. Turn out everybody, and give the rink a rousing benefit. ROLLING MILL.-Work on the stack and other improvements have been advancing slowly all winter. One new heating and one puddling furnace have been added, and the machinery gener-ally overhauled. It is thought that the WATER WORKS .- An attempt was WATER WORKS.—An attempt was made during last week to force water through the main pipes, but on applying a pressure of one hundred pounds to the square inch the pipe gave out in several places, and the pumping had to be stopped until the difficulty could be repaired. It was found on digging the pipes up at the leaks, that several pieces of fractured pipe had been laid last fall during the cold weather, and it will be necessary to put in new lengths before pomping can be resumed. This pipe is tested by a hydraulic pressure of obout three hundred pounds to the square inch before leaving the foundry, and it is not likely that any further trouble will be had after removing the oroken pipe.

MENOMINEE IRON DISTRICT.—The

Unhallowed touch, untarnished, free For yet another snow-lined couch Opes by a second mystic key.

Nestles within his casket bed. Upon his brow, the seal that opes For him the gates of heaven and "est And Nelile's fair, white arms entwine

He ne'er can gain the victory Or spread dismay around; For the his host be many, His sway is water-bound. And infant prattle-lulla

"Onick! onick! bring out the engine As quickly it was done; Stout hearts and hands both willing, See how they with it run.

All hands are working nobly, A spiendid stream it throws, Brave boys now mount the ladder Loud hissing, smoking, steaming-

The battle has begun—
A rushing splashing, streaming,
The victory soon is won. But see the fearful havoc It made above, below,

Rang through the chilly air, And many caught the echo, And wildly sungout, where?

Shrill whiatles too were sounding,

It did not long require To tell all Marquette village, "Twas Watson's block on fire

Then running, shouting, yelling, It old and young alarms, The whistles too were calling,

To fight the firey demon

That's trying once again,

For when the powerful engine

Of water, through the village, Is working well by steam,

That send a rushing stream

Neat goods with water soaking, It seemed too bad 'twas so. And printers types soft melting, And dropping down as lead, The sight was aught but cheering,

How fortunate the engine Was working well that night; And howling winds were silent, Or sad would have been the sight.

To've seen the space next morning.
Where such fine buildings stood,—
A smould'ring mass of ruins—
For burn they doubtlefs would. But as it was, it spread net,

The ordeal was endured; But many things were damaged,— Thank God they were insured. Thanks, thanks, we give the firemen,

And all who lent a .and; For by their skillful working, The fleud soon lost command. T. M. Quickly and surely they every day go, Those goods at T. Meads', like soft melting

SHOO, FLY. This ludicrous, yet popular song with the

been advancing slowly all winter.
One new heating and one puddling furnace have been added, and the machinery generally overhauled. It is thought that the stack will be in readiness for use by the first of June. The remainder of the works will probably be put in operation by the op ning of navigation. The rolling mill pier is being widened its entire length about 600 ft. A third addition in width will run out about two hundred feet, making an Laeross which will be eighty-five feet in width. The spiles for the addition will be driven while the ice lasts, and the pler will be completed by the opening of navigation.

WATER WORKS.—An attempt was

This ludicrous, yet popular song with the masses is quite old, having beeus using long that the masses, is quite old, having beeus using long that the masses, is quite old, having beeus using long from apperances, at this sesson judging from apperances. However, our saloons seem to be in a thriving condition. If, as some one said, "time is money," some of the loungers around these of euriosity to the hundreds who have had been will be eightly for they are to have an abundance of the formation of the time of euriosity to the hundreds who have had been words of what may truthfully be termed the spiles for the addition will be driven while the celasts, and the pler will be completed by the opening of navigation.

WATER WORKS.—An attempt was

I think I hear de angels sing

I think I hear de angels sing,
De angels now are on de wing.
I feel, I feel, I feel—
Dat's what my mudder said—
De angels pouring lasses down
Upon dis nigger's head.
Chorns—Shoo fly! don't bodder me!
Shoo fly! don't bodder me!
I belong to Comeany G. I belong to Company G.
I feel, I feel, I feel like a morning star; I feel, I feel, I feel,

I feel like a morning star;
I feel, I feel, I feel,
I feel like a morning star;
I feel, I feel, feel,
I feel, I feel,
I feel steel,
I feel like a morning star.
If I sleep in de sun, dis nigger knows,
If I sleep in de sun, dis nigger knows. If I sleep in de sun, dis nigger knows.
If I sleep in de sun, dis nigger knows.
If lelep in de sun, dis nigger knows.
I feel, I feel, I feel—
Dat's what my muddersaid—
Whenever dis nigger goes to sleep,
He must cober up his head.

Some of the owners of our iron mines in this county are using every exertion to open the mines. They believe that they shall be able to accomplish the object within a year or two. If this can be done it will deable the population of Menominee county in fiveyears, and give all kinds of business a

On love wrought, downy pillow, soft, By fleecy folds o'ershadowed, oung Harry, with his golden exclu-

And fold him to her Savior's breast.

Yet on one other cushioned bed, And tenderly the folds are closed On cherub Mamie's baby head.

Only a gentle hush of song The pearly gates again are wide— And one more hallowed, little key

As ve rich gems would guard from sight-More precious than refiner's gold Or diamond with its flashing light. And as they shield the sleeping dust, To each torn heart fresh faith be given

And from the rod, the grave, the keys, Firmer, and sweeter, hope of heaven. The crown gleam through the mist, and fog, And darkness of life's mystery; And brightest 'mid this thickest gloom,
These guarded gems—the ransomed three Marquette, Feb. 18.

nts our chief thusly :

LOCAL TELEGRAMS.

SHAKETOWN. Shaketown, Feb. 25,
Being desirous of seeing this embryo city
—and as our citizens confidently anticipate
—the future metropolis of the Upper Peninsula, represented in your columns, I will avail myself of the facility which the opening of a telegraph office here affords us, to send you a few items concerning matters in

this vicinity.
Situated as we are in the midst of an agri-

Seems got the best of the Washington strike, we being the head centre and spokesman for the sacred gems, these keys should wield. Lay them aside—The first unlocks
The casket where fair Nellie lies;
Whose soft curls wreathe a brow as white
As now-flakes from the wintry skies.
Lay them aside—from rust from stain,
Unhallowed touch, untarnished, free—For yet another snow-lined couch

lots of Woolen
some one else
a let ## profit t
lles, Nuts and
der, Shot, and as the week which he held the mine in sus-pension was the finest week for mining du-ring the winter. It is to be hoped he will reithfulness toward his supporters.

Mr. Hunting, of Edward's mine, favored t with the reading of his beautiful p.em, "Charlotte Corday." The attendance was

The passenger train arrived on time to-day, with a large mail and a coach full of passengers, among wh m were the directors of several of our mines. MORGAN.

Morgan, Feb. 25th. The furnace is doing well; made 132 ions last week.

Last Monday and Tuesday were the celdest days ever known here. The mercury being 34 degrees below zero.

Furnace blew out vesterday, having made Furnace bies out yesterday, having made to defige the first seven months. Expect to be in blast in about two weeks.

The mines is working finely. They have about 20,000 tons of cre in stock pile now, L. D. boty, Fsq., returned from the lower country on Thuesday, much improved in health and spirits.

CHAMPION.

Louis Schweitzer is to have a Don't forget to attend Louis

grand Masquerade Ball on Tuesday Eve.,
March 1st. All are invited to attend. Good
music in attendance.

Schweitzer's grand Masquerade Ball at
Cole's Hall next Tuesday evening. Louis
sparse neither pains or expense to make his
entertainments first class in every respect. THE Green Bay Advocate compii- Good music in attendance and a good time may be expected by all

ments our chief thusly:

LAKE SUPERIOR IRON DISTRICT.—We are indebted to the MINING JOURNAL, Marquette, for the MINING MINING MARCHAEL MARCHAEL

weeur-with, and the weeur-from to rise the weenr-with, and the weenr-from to rise the green-bax to erect a weatur-works and buy a steam-fire injon.

The convension waz purty la-argely attended, and a bra-ave meny discussing took pla-ace, so lively waz ut, that the whole matter busted hup without arriven at hanything, more than passen one reselew-shun which waz, az follows: Resolved, that the first bizness in horder, will bee,

The erect-shun ov a mas-heen-

The erect-shun ov a mas-he To make green bax by steem, Five ov a standen commit Who must be slepery and witty, And that they bee allowed— Until hinclosed in a shrowed. And az a final resort

these times, however, hee ez a chap ov great finfluence, and no doubt but they will hact influence, and no doubt but they will hact influence, and no doubt but they will hact influence, and no doubt but they will hact has deed a few miles from here last week exhumed a body, which to all appearances had lain under the snow all winter, it proved to be that of A. J. Bird, who disappeared from this place last autumn under rather mysterious circumstances. Various rumors are affoat concerning the matter, but I am not at liberty to give any further particulars at present. The affair is undergoing a rigid investigation.

A chap hailing from Negaunee has been swindling the gullable portion of our community, by selling them Worthwad's patent rubber boot-jacks, described in your columns a few months ago, and which, notwithstanding the very flattering potice of your interested Negaunee correspondent, is an unmitigated humbug. The proprietors of this invention had better keep their agent at home hereafter.

EYESICK.

29. The proprietor as well as the general agent for this boot-jack is a first-class humbug, and we warn the public not to place any confidence in them.

ED.

Local Agent at Marquette, and sp cial Agent for the Upper Peninsula.



CLOTHING, CLOTHING, CLOTHING, a first rate lot I keep, Beaver suits and Cassimeres, Um selling now quite cheap.

BOOTS SIGN OF THE

THREE BLACK BEARS.

Jewelry for the many, some good solid gold, Other sets much cheaper, to suit both young and old. I've sets of Mink and Ermine, and other sets as well I buy raw furs of all kinds, that trappers wish to sell DOWN, DOWN, Downward they go, The Prices I mean, it surely is so.

Insurance Co., -OF-

CLEVELAND, OHIO.

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INSURANCE, BRICK, LUMBER,

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Thereby give notice that on the second day of Feb., A. D., 18°0, in accordance with section 3.82 of the compiled laws of this state, by an order of the circuit court for the county of Marquette in chancery, on the petition of William L. Wetmore and Frederick P. Wetmore, judgment creditors, I was appointed receiver of the stock, property, things to ac ion and effects of the Holyoke Mining Company, acorporation organized under the laws of the state of Michigan. Black Diamond Steel CORDAGE. LEATHER and RUBBER BELTING. TINNERS' STOCK

SHERIFF'S SALE.—By virtue of a

MORTGAGE SALE, -- Default have ing been made in the condition of

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NOW READY

Is this day dissolved by mutual const Henry J. Hopkins retiring from the firm. The business will be continued by undersigned at the old stand, under the ma of Johnson & Freville, with whem all st tements of the business of the late firm

COMETHING NEW.

DRY and OIL COLORS BRUSHES, (Of All Kinds, HUBS, SPOKES, & BENT WORK

PIG LEAD, TIN AND COPPER COMMISSIONERS NOTICE,-In COMMISSIONERS NOTICE.—IB
the matter of the estate of Peter Dunn,
deceased.
We, the undersigned, having been appointed by Archibald G. Pene diet, judge of Probate of Marquette county, to receive, examine and adjust all claims against Peter Dunn, deceased, late of the township of Negaunce, in said county, the time for presenting said claims to said commissioners being limited by the said judge of probate to the term of six months from and after the 5th day of January, 1870, hereby give notice that meetings of said commissioners will be held at the office of Silas P. Murch, in the village of Marquette, in said county, on Monday, the 4th day of April, 1870, at 10 o'clock in the forenoon, at which time all persons having claims and demands against said deceases are required to exhibit the same with vouch ers thereof to us the said commissioners for the property of the same with vouch ers thereof to us the said commissioners.

SILAS P. MURCH.

Commissioners.

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