

County Officers. Sheriff Clark Esmond, Tawas City Clerk E. E. Williams, Tawas City Treasurer W. V. Penoyer, Oscoda Register S. G. Taylor, Tawas City Prosecuting Attorney C. E. Henry, AuSable Court Commissioner S. G. Taylor, Tawas City Probate Judge J. O. Whittemore, Tawas City Surveyor D. E. Guiley, Tawas City Coroners Robert McCormick, AuSable A. G. Van Wey, Tawas City

SOCIETIES. OSCO LODGE NO. 341, I. O. O. F.—Regular meetings held every Wednesday evening at their hall. LYMAN B. SMITH, N. G. HOMER PRATT, Sec'y. TAWAS CITY LODGE, NO. 303, F. & A. M.—Regular communication held at Masonic Hall, on Thursday evening or preceding the full of the moon in each month. CORNELIUS NORTH, W. M. LYMAN B. SMITH, Sec'y.

PROFESSIONAL. SIBLEY G. TAYLOR, ATTORNEY AT LAW. General Real Estate and Abstract Office. The only complete abstract of Isoco county. TAWAS CITY, MICH.

E. E. WILLIAMS, ATTORNEY & SOLICITOR. Agent for Phenix, Sun Fire, and Farmers Fund Insurance Cos. TAWAS CITY, MICH.

ROBERT WHITE, ATTORNEY-AT-LAW. EAST TAWAS MICH.

J. E. HOLS, M. D., PHYSICIAN AND SURGEON. Office at Goodale's drug store, East Tawas, Mich. Professional calls promptly attended to either day or night.

W. L. STILLWELL, VETERINARY SURGEON. Treats all diseases of domestic animals. Horse Dentistry a specialty. Dolio Mixtures, Condition Powders and Liniments always on hand. Office and residence, Church street, East Tawas, Michigan.

LUMBER INSPECTING ETC. E. B. SPILMAN, EXCHANGE AND REAL ESTATE OFFICE. Village property and farming lands bought and sold on commission. Will promptly attend to all orders for inspecting lumber, sealing logs, buying and selling lumber, Posts, Shingles, Pine Lumber, etc. Office opposite Darling's Drug Store, Tawas City, Mich.

HOTELS. SAND LAKE HOUSE. GEORGE J. WEBSTER, PROP. This house is situated 9 miles west of Tawas City, in the township of Grant, offers excellent accommodations for guests and lumbermen—Good stabling in connection.

STRONG HOUSE. R. SBORN, Prop. Ample accommodation for the traveling public. Good stable in connection. EAST TAWAS, MICH.

Railroad Directory. DETROIT, BAY CITY & ALPENA R. R. Central Standard Time. Going South. Leave AuSable 1:05 a. m.; Tawas City 12:03 p. m. Arrive at Alger 2:00 p. m.; West Bay City (M. C. R. R.) 4:55 p. m.; Bay City 5:00 p. m.

TO THE PUBLIC. Having opened a Boot and Shoe Shop first door East of the barber shop, I wish to announce my readiness to do all kinds of work in my line promptly, and in a workmanlike manner, and respectfully solicit a share of your patronage. R. H. BURGESS 1-2m.

WM. B. WHITE. Has fitted up a neat and tasty RESTAURANT. In the building next to the Bay Side house where he will be pleased to serve OYSTERS IN EVERY STYLE. 1-3m.

A Good Farm For Sale. The undersigned desires to sell the following described land, situated in the township of Tawas: The east half of section 35, containing 80 acres, 20 of which is cleared, and 45 acres green timber. A small orchard, a block house and log barn, a good well and a root house. Terms, \$1,500; \$600 down, and the balance on time.

JOHN HUSTON, DEALER IN Groceries, BOOTS & SHOES, FLOUR & FEED,

WHICH HE OFFERS TO SELL AT RETAIL OR WHOLESALE AT THE LOWEST BOTTOM PRICES, For Cash.

W. A. DARLING, Is now prepared to serve Oysters in every style at his RESTAURANT near the bridge on Mathew street.

ALSO CANNED GOODS of every description. Pickled pigs feet, tongue, etc.

Choice Line OF CONFECTIONERY AND NUTS. STATIONERY AND NEWS STAND.

Subscriptions received for periodicals and newspapers. A portion of your patronage is solicited. W. A. DARLING

VAN WEY.

A Request to All Photographers, Ferotypes, Artotypes, Cameo.

TAWAS CITY ART GALLERY, Also all kinds of stamping and designing for fancy needle work and hand painting in oil colors for childrens clothing, ladies crosses, lambracquins.

For windows, shelves, brackets etc. Stamping done and work completed in every detail if so wished. ORDERS PROMPTLY ATTENDED TO

A friendly and cordial invitation is extended to all to come and view our work and learn our prices. Tawas City Art Gallery.

Transfers of Real Estate for week ending January 15th, 1884. Charles Winchester et al to Thomas Bradley, lots in Oscoda. \$150.

Alfred M. Hawes and wife to Julian G. Dickinson, lot in East Tawas, \$1. Oscoda Salt and Lumber Co., to A. R. Weir, lot in Oscoda, \$125.

Henry E. and Mary E. Bidwell to John H. Shepherd, lots in East Tawas, \$3,000. Bullock & Herr to James E. Hicks, lots in Whittemore, \$50.

E. B. Spilman and wife to John and Thomas Charlton, lands in township of Alabaster, \$3,500. G. L. Maltz and wife to D. B. G. et al.

The Death of Lillian. Her hair was black, her eyes were bright, Her hat was resting on my arm, I led her up into the night— My mind was fixed to do her harm. We wandered down the river's bank, A gloomy spot I knew was best The passing watchman heard a splash. The river gurgling, sank to rest. Next morn she sat not on the sward, The neighbors whispered this and that; The cryer cried, "One pound reward For him that finds the rector's cat." —Exchange.

Notice. As soon as possible the HERALD will secure correspondents at the various post-offices and central points of news throughout the county, thus enabling us to more fully note the doings of the entire county. It will be our aim to make the HERALD a county newspaper in the broadest sense of the word. To accomplish this end we desire all who are interested in such a paper to help us by sending in such items of interest as may come to their knowledge. We appreciate the valuable assistance we have already received tending to this end, and in reciprocation we will put forth our best efforts toward making the HERALD a popular and readable sheet. W. N. MILLER & Co.

Tawas City and Vicinity. The thaw of Sunday has improved the sleighing. The printers of Bay City give a ball at that place to-night. A savings bank with a capital of \$50,000 has recently been organized at Bay City. The Forrest house at Sterling, was burned last week Wednesday. Loss, \$1,000.

The Paconning Times claims that \$25,000 will not cover the amount paid at that place monthly for wages alone. C. D. Hale has filled his ice house at his residence with ice cut from his boom in the bay. It is about a foot in thickness. Young ladies are like arrows because they never go off without a bow (beau), and are always in a quiver till they get one.—[Anon.]

The first iron block on the corner of Seventeenth and Water street, Bay City, was destroyed by fire early Saturday morning, entailing a loss of about \$7,000. A cow belonging to John O'Brien, of this place, broke through the ice in the river last Monday noon; by the use of a rope which was fastened to her horns she was rescued. Joseph Turner, of Bay City, put 33,000,000 feet of logs into the Rifle river from Jan. 1st, 1883 to Jan. 1st, 1884. He intends to increase the number a few millions in the present year.

On complaint of Lafayette Peters of West Branch two men named Clark and Basset were arrested by the sheriff of that county for stealing furs. Clark managed to escape from the officers. On Thursday morning, Jan. 10th, Mamie, little daughter of S. W. and M. F. Ray of this place, while sleeping in a chair at the side of the stove, fell out, and burned both of her hands quite severely. The number of violent deaths in the lumber camps seem to be increasing in number. Scarcely a day passes without bringing the news of some horrible death or terrible accident in the pineries.

Mr. Robert White informs us that he has sold more agricultural lands during past year than any previous year since he has been engaged in the real estate business. Which fact points towards a permanent prosperity in this county. There is plenty of good soil in this vicinity adapted to agricultural purposes, which only needs a little pluck and perseverance to convert it into excellent farms. At the meeting of the State Sportsmen's association at Jackson on the 9th inst., E. S. Holmes, of Grand Rapids, was elected president; S. E. Rogers, of Jackson, secretary; N. A. Osgood, of Battle Creek, assistant secretary, and A. H. Morshon and Joel C. Parker directors. The time for the annual meeting was fixed for February 3, 1885, and a special meeting was ordered for Tuesday, December 9, 1884, for the purpose of putting before the legislature the necessity of the appointment of a game warden; also for the shortening of the open season to one month—from November 15 to December 15—and for the entire prohibition of the spearing of fish in the inland waters of the state. The new depot building of the Detroit, Bay City & Alpena railroad is nearly completed. The building is enclosed and the roof on. On Monday trains will begin running across the Dead Sable. The office in the new building is not yet done, but will be completed after it is occupied. The building is 22x60 feet in size, with the

CONNECTION COMPLETE. Trains Now Run to Alger Without Interruption. The long and high bridge over the Rifle river, on the line of the Detroit, Bay City & Alpena R. R., was completed Monday, and turned over to the company by the contractors, and Tuesday the passenger trains made their first run over the same, and the disagreeable transfer by teams is now abandoned. The freight service heretofore reluctantly carried on merely to accommodate those who could not well wait, will be fully opened, and with ample rolling stock, as well as ample and admirable passenger accommodations, the road will commence the handling of every branch of business in a manner worthy the generous trade it has already developed. Considering the unusual severity of the weather since the winter set in, and the extreme difficulty of procuring men to work on a structure of such height, and where of necessity the exposure was so great, excellent progress has been made in the construction of this bridge, and the contractors, the railroad company, and all concerned are to be congratulated on this happy issue out of the difficulties of the Rifle transfer.

The boys are having great sport skating on the bay nights by the light of a bonfire. Arrangements are being made for a social dance at this place next week, Tuesday. The half-way house between Roscommon and Houghton was destroyed by fire last Friday. Loss, \$2,000. E. B. Spilman is about to build a break water in front of his property on Lake street. It will be about 200 feet in length. Gen. Alger passed through this place last Tuesday on a little inspecting tour of the new railroad, also paying off the employees of the company. Thos. Curry has pressed 50 tons of hay and 7 tons of straw this fall at his farm about four miles west of this place. He raised 175 tons of hay on the place last year, and is now pressing it for the market. A Dime Social will be given by the ladies of the Congregational church on Friday evening of this week, at the residence of Mr. W. H. Whittemore. A good time and a hearty welcome promised to all who attend. The auditor general of this state has filed his declaration addressed to the circuit court of this county, in his suit against delinquent tax-payers, under the new law, and asks the court to render judgment in favor of the state. On Friday morning, Jan. 11th, Willie youngest son of Mr. and Mrs. Charles Leech, was severely scalded by spilling a kettle of boiling water on the fleshy part of his left limb. At last accounts the boy was doing well. Sunday morning about 7 a. m., the general store of J. L. Hokam, at Emery Station, on the D. B. C. & A. R. R., caught fire from a defective stove pipe and burned to the ground with a large portion of its contents. The loss is estimated at about \$1,000. W. H. Murphy has sold his farm on the Hemlock road to Joseph Cox, of near Hamilton, Ont., for \$1,500 cash; and both parties are satisfied with their bargain. Mr. Murphy contemplates purchasing the American house property, at East Tawas, of Curry Bros. The Hungarians have a national dance, "the csardus"—intended to represent the unquiet course of true love." We have never seen the dance, but presume the greater part of it consists of an elderly gentleman kicking a young man off the front step.—[Hawkeye.] There are indications that the consumptive demand for lumber in New Orleans, will rise early the coming season. There are already contracts in sight that will take 20,000,000 to 30,000,000 feet. The exposition building alone will require 10,000,000 feet, it is said. Concerning some of the state of Maine lumber operations, the Boston Post says: "The lumbermen on the Penobscot river are now about all in the woods. The stock cut will be larger than was expected, owing to the efforts made to get as much of the timber that was blown down in the late tornado as possible. The names of the two woodmen who were taken to Bay City from West Branch last Thursday; were Peter Miller and James Pike. Miller was 23 years of age and his home was at Beulah, Iowa. He left West Branch Wednesday night to work on the farm of Joseph Priout, in the northeastern part of Ogemaw county. The following morning he was struck by a falling tree and instantly killed. Pike

EXTENSIVE REPAIRS. Hale's Mill Being Overhauled, and Enlarged—and Capacity Increased to 100,000 Feet per Day. Extensive and thorough repairs are being made to Hale's saw mill and salt block in the lower part of the village, by which its capacity for turning out lumber will be greatly increased and the mill generally put in much better condition for the coming season's work. The improvements are a stone foundation for the gang, with an 18x23 independent engine on a stone foundation; Prescott steam feed for circular, and live rollers for circular and gang. One new tubular boiler 3 feet 8 in. x 18 feet, and also rebuilding the old ones, making them the same size as the new one; thus increasing the battery to four boilers, with new furnace complete. The foundation of the old engine is being repaired and put in a more substantial condition. To increase the draught 20 feet is being added to the smoke stack. A 7x12 engine for feeding the boilers at night is being put in and the hand-pump heretofore used for this purpose will be dispensed with, thus saving considerable labor. The large boiler used to supply steam for the salt block is also being overhauled. To increase the mill's facilities about 300 new spiles will be driven for boom and the tramway rebuilt as soon as possible. The cylinder of the original engine was 20x30. For the coming season's work the mill will be provided with seven engines, including steam feed and log turner; increasing the capacity to about 225 horse power, and together with the other improvements will increase the capacity for turning out lumber about 20,000 feet, which will enable the mill to cut upwards of 95,000 feet per day. The stove mill is also receiving considerable needed repairs.

Petit Jurors. The following is the list of jurors drawn for the February term of the circuit court, which convenes at this place February 5: Henry Hyland, Tawas; David Hill, Oscoda; Robert Atkins, Tawas; C. V. Hicks, Oscoda; Thomas Connor, Tawas; Henry M. Loud, Oscoda; Dennis Grise, Tawas; E. L. Sutherland, Oscoda; Chas. Goodwillie, Tawas; Green Pack, Oscoda; W. H. Kennedy, Tawas; Thos. Allison, Oscoda; V. H. Bagger, Tawas; Fred Taylor, Oscoda; Peter Beemer, Tawas; Fred Scofield, Oscoda; W. L. Graham, Tawas; R. B. Emmons, Oscoda; James Chambers, Tawas; Joseph Lafountain, Oscoda; Phineas B. Beemer, Tawas; Joseph Bendle Jr., Oscoda; Geo. Cook, Tawas.

Isoco Salt Product. The following table gives the number of barrels of salt inspected by the state salt inspector for the month of December: Emery Bros. 900 East Tawas Salt and Lumber Co. 607 M. E. Hale 940 Gratiwick, Smith & Fryer 146 Total 2,593

Lost. On the morning of the 11th inst., between the residence of Charles Harris and the Union school house in Tawas City, two gold band rings; one plain, having on the inside the initials, L. B. E., the other, a chased ring without lettering. The finder will be rewarded by leaving them at Mr. Harris' Mrs. E. G. ELDRIDGE.

G. A. R. Installation. The meeting of G. K. Warren Post, No. 63, at East Tawas, last Tuesday evening for the installation of officers, was well attended and was a very interesting meeting. The following officers were duly installed according to the ceremony of that order: Lyman B. Smith, Commander; Benjamin F. Oakes, Senior Vice; Charles W. Gabrielle, Junior Vice; Hugh McDonald, Officer of the Day; Henry A. Goodale, Surgeon.

Violin strings, etc., the best at Kelly's. Oysters in every style at W. B. WHITE'S.

Everyone rushes to the Buffalo Clothing House for bargains. For a good Sewing Machine go to Kelly's Furniture Store, Tawas City. The finest and choicest stock of confectionery, nuts, etc., to be found in the village is kept at W. B. White's restaurant, next to Bay Side house. The Buffalo Clothing House guarantees lowest prices and best goods. It is pleasing to note the rapid progress being made toward the development of the excellent farming land in the township of Wilbur. This town possesses some of the finest agricultural land in the county, and much credit is due its enterprising settlers for the improvements which have been made. More will be said about the farming land of this county anon. Ladies and childrens heads are being sold for half price at the Buffalo Clothing House.

PERSONAL. Sheriff Esmond is once more able to attend to his office work. Miss Jennie E. Benton, of this place, is forming a music class at AuSable. James F. Mackin of East Tawas, returned from a week's trip to Flint, last Monday. Dr. Pelton, of East Tawas, returned from a visit to the lower part of the state, Monday. Rev. E. B. Bancroft of this place returned from Vassar last Thursday evening, and services were held as usual at the M. E. church last Sunday. Mr. W. A. Kelly of this place, who has been doing Eastern Tennessee for the past few weeks, returned home on Thursday last. He reports it as a rather stiff winter down that way. A. G. Van Wey, of the Bay Side house, Tawas City, was in town yesterday en route for Gratiot county, where he goes to visit some relatives for a few days. Mr. Van Wey reports matters at Tawas as lively as they can be in tax collecting time in any town. Business is good; the feeling intensely hopeful, and no croakers dare croak.—Bay City Call.

Camp Casualties. Last week Wednesday, John Trindell, a laborer in Session Bros., camp, received severe injuries from a falling tree. Friday last in Forn & Kent's camp at Sterling, a cant hook got the start of Wm. Furgerson as he was rolling, and hit him on the side of the head, cutting a hole in his ear. Allen Dick was killed in the woods Friday afternoon by a falling tree, at a point about two miles east of Stanton. He was 25 years old, and leaves a widow but no children. Dan McDonald, a woodsman employed at one of Brown's camps on the Rifle, was taken to East Saginaw Friday evening, suffering from injuries received while at work Thursday. Both shoulders are dislocated and one his feet is terribly crushed. Peter Revour, a sawyer in Eddy Bros' camp, on Turner's railroad, was falling a tree Saturday morning, when it fell striking a leaning tree and swung around and struck him on the head and crushed his skull. His forehead was split open and his brains scattered around. Last Friday, John Henson, well known in this place, received quite severe injuries while at work in Russell & Allman's camp in the township of Sherman. He was struck on the back with a limb of a falling tree and knocked to the ground. He was carried to the camp where he now remains. Fortunately, his injuries are not such as to lay him up any great length of time. Last Monday forenoon John O'Brien, alias "Sailer Jack," having so far recovered from the effects of his attempt to cut his own throat as to be able to go in court, was taken before Justice Deitz for his examination on a charge of "assault with intent to do great bodily harm." Justice Deitz bound him over to the circuit court, and gave him until six o'clock to get \$2,000 bonds. Of course the bonds could not be procured, and Marshal Donald on Tuesday took the prisoner down to Tawas and lodged him in jail at AuSable Saturday Night.

Good Advice. Attach as much importance to your mind as to your body. Be natural; a poor diamond than a good imitation. Observe; the faculty of observation, cultivated, makes practical women. At least once in a while observe things if worth consideration, and different upon reflection. He who is discouraged by his first attempt at any object he should learn a lesson from the story of the Pelican bird and the eel.

A characteristic Polish wedding was celebrated at this place last Monday and Tuesday, and we should judge from all reports that the affair was a high old time. The contracting parties were united on Sunday at East Tawas, and came to this place the following morning, when a free-for-all and go-as-you-please dance set in. Mr. Con O'Brien of this place and Benjamin Slingman of Alabaster, acted as managers of the party for the first twenty-four hours; at this time they resigned their situation and let the affair run itself, which was very unfortunate, as under their management every thing passed off comparatively quiet. Rows and became very frequent and bitter things went on in this manner until the afternoon of Tuesday, when the terminated in a general fight, one Pole striking his head banged up and bruised it.

WHITTEMORE.

The new school house building at this place is now ready for the roof. The dimensions of the building are 26x40 with 20 foot posts. The lower floor will be used as a school, and will be furnished and equipped with modern school furniture, and will make a very pleasant room that will be a credit to this enterprising town. The upper room will be used as a town hall, and will make a very convenient one. The new hotel being built by Mr. Chas. Titus, will be opened next week to the public.

Mr. Harvey's new store is about completed, and a stock of goods about to be put in.

A large number of village lots are being sold on which houses will be erected in the spring.

Lumber is on the ground for a new saw mill at this place, and the prospects for a prosperous future are very good.

SHERMAN.

Our town board meets Tuesday next, Jan. 22nd.

By the resignation of Smith Gregory, our town board have appointed James McIvor as supervisor.

Roads are in excellent condition and logs are going into the streams at a lively rate.

The Thompson & Bailey shingle mill is now owned and operated by Richard E. Holcomb.

The Arn shingle mill is again running after having been shut down for repairs.

District No. 1, of this township has erected a new school house which has been seated with improved patent seats.

The school register of this district shows an enrolment of upwards of thirty pupils. A school exhibition is to take place one week from Friday next. All are invited.

Smith Gregory has returned from an extended trip to Dakota. He reports the weather very cold and heavy snow storms prevailing.

A petition is being circulated in this township for a postoffice.

We are prepared to do every description of job work. If there is anything you want in the way of letter heads, bill heads, note heads, statements, tags, envelopes, business cards, hand bills, etc.

The Presque Isle County Advance is a small sheet, but its pages sometimes sparkle with humor, and sometimes Larke drops into philosophy. Here is an instance: "It follows, then, that pleasant surprises in the way of preparing favorite dishes that good taste and much painstaking in arranging all the appointments of the table and dining room, rise above the mere mistletoe to the animal existence, and effect the fine issues of life. Good behavior and cheerfulness ought to accompany each meal as naturally and unwaveringly as bread and butter."

Subscribe for the TAWAS HERALD, published at Tawas City, the county seat of Iosco county. It will contain eight pages and six columns to the page, making forty-eight columns; containing all the important home and foreign news. The select reading will be of the choicest, and objectionable matter will be carefully excluded from our columns. \$1.50 per year.

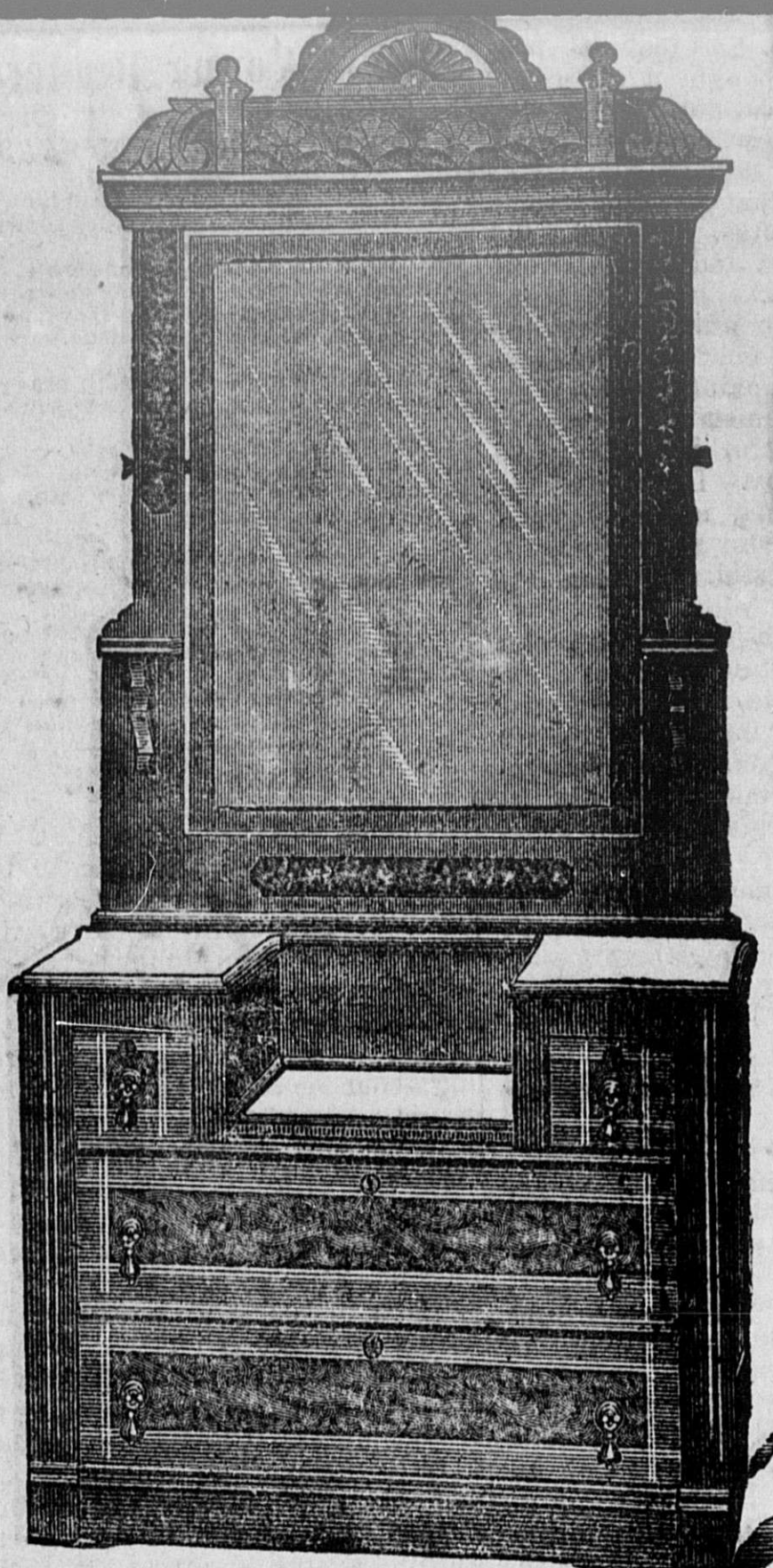
A TREMENDOUS TRAMP.

A St. Louisian Who Traveled on Foot from New York to St. Petersburg. [St. Louis Republican.]

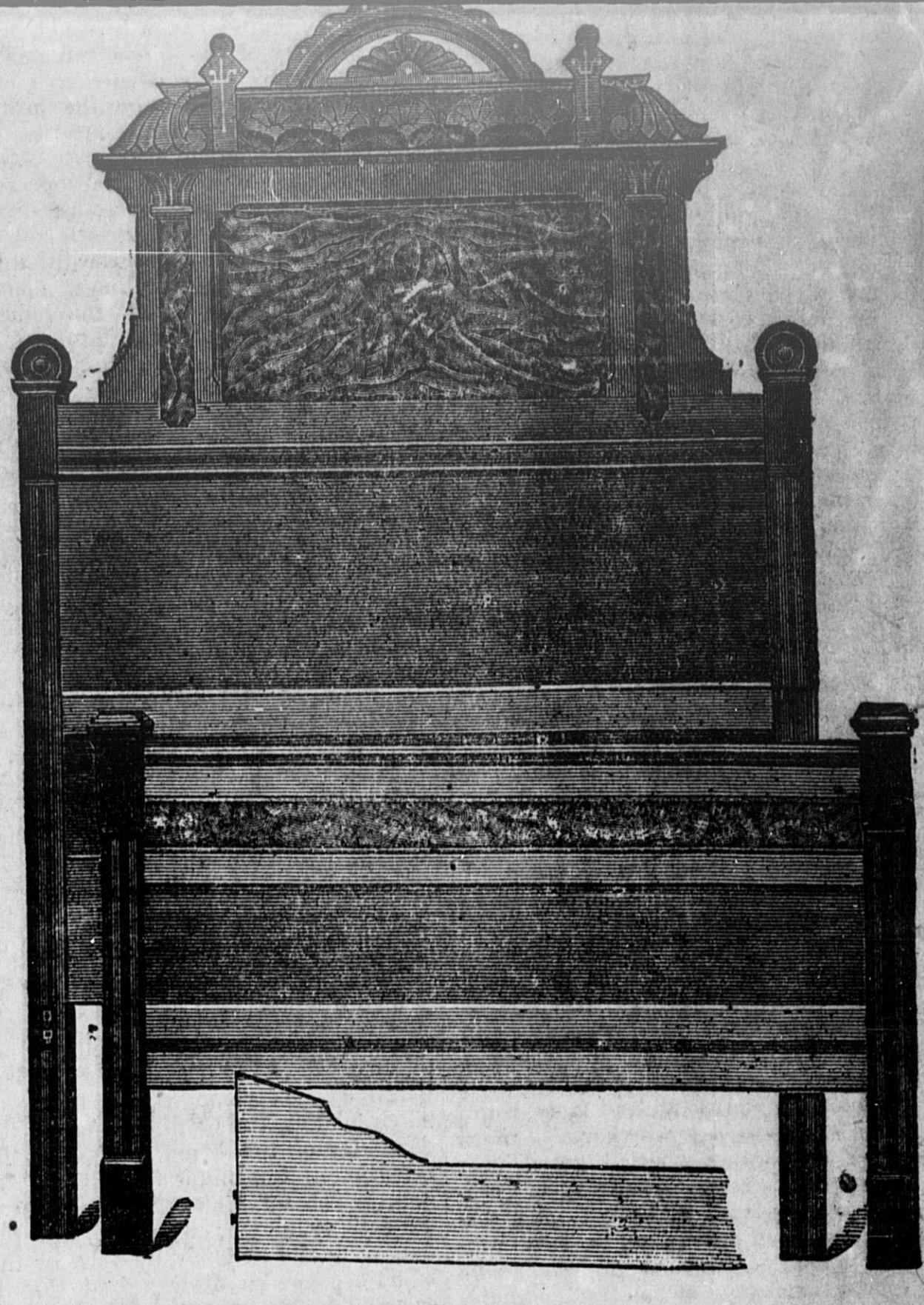
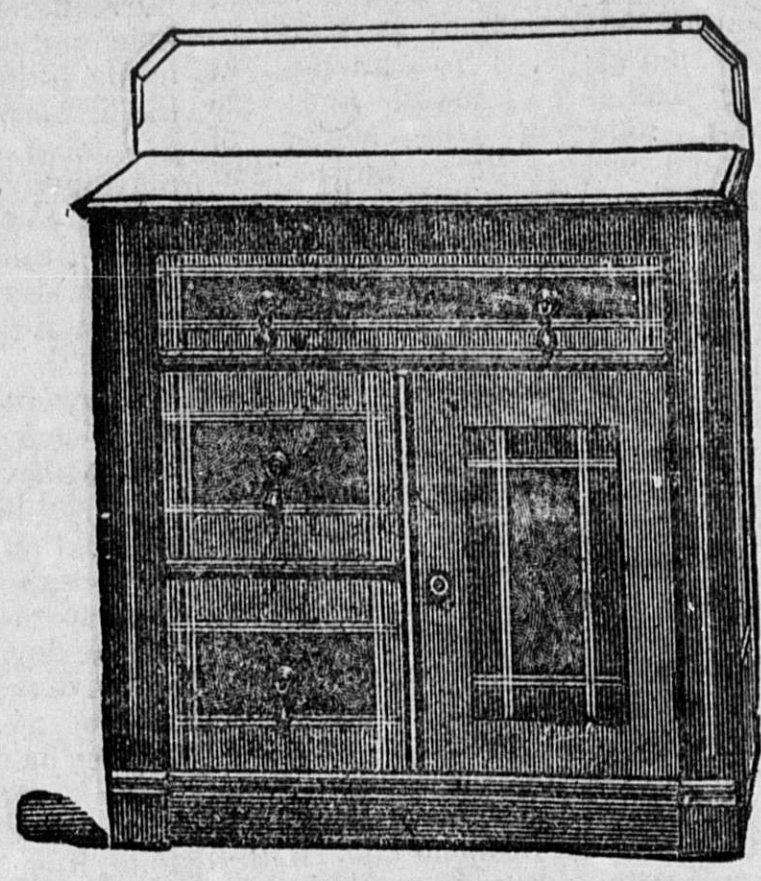
At a recent meeting of the St. Louis Historical Society the subject under discussion was the adventures of Russell Farnum, who was identified with the early history of St. Louis and the Northwest. He was a man about whom many newspaper items have been written, but of whose career little definite is known, especially his trip overland, via Behring's Straits, from the United States, through Siberia, Russia, and thence to Paris, London, and back to New York, in the interest of John Jacob Astor, who was at the time head of a fur company doing business on the Upper Mississippi and Hudson Bay. The following extracts are taken from Elihu Shepard's "History of St. Louis and Missouri."

"Colonel Russell Farnum, a native of New Hampshire, had been a clerk in the employ of John Jacob Astor, of New York, for a time, and was dispatched by him to visit his employes and agents in the Indian country of the West, and, with the aid of the late Wilson P. Hunt, to transact business as his agent, as his business and interests required. Farnum soon became well known in St. Louis, and at the commencement of the war of 1812 with Great Britain, was on a business excursion near Lake of the Woods. Having finished his business, as fall approached he struck boldly across the country for Prairie du Chien. When he reached the river at that point he was arrested by a United States officer and a party of soldiers as a British spy, and brought to St. Louis under degrading circumstances; but when he arrived the boat was surrounded by a crowd of his excited friends, and he was taken to his old quarters before the officer could secure his boat. The officer was greatly mortified at his conduct toward his prisoner when he learned who Farnum was, and returned his journal and other papers at once.

"After consultation with his friends, General Clarke and Mr. Hunt, Farnum started alone with his dog and gun to carry messages to trading posts up the Missouri River and to Astoria on the Pacific coast. The exact date of his departure and arrival at different points of his long journey were carefully noted by him, as well as the remarkable incidents and observations on the route, in a well-kept journal prepared for publication, and was placed in the



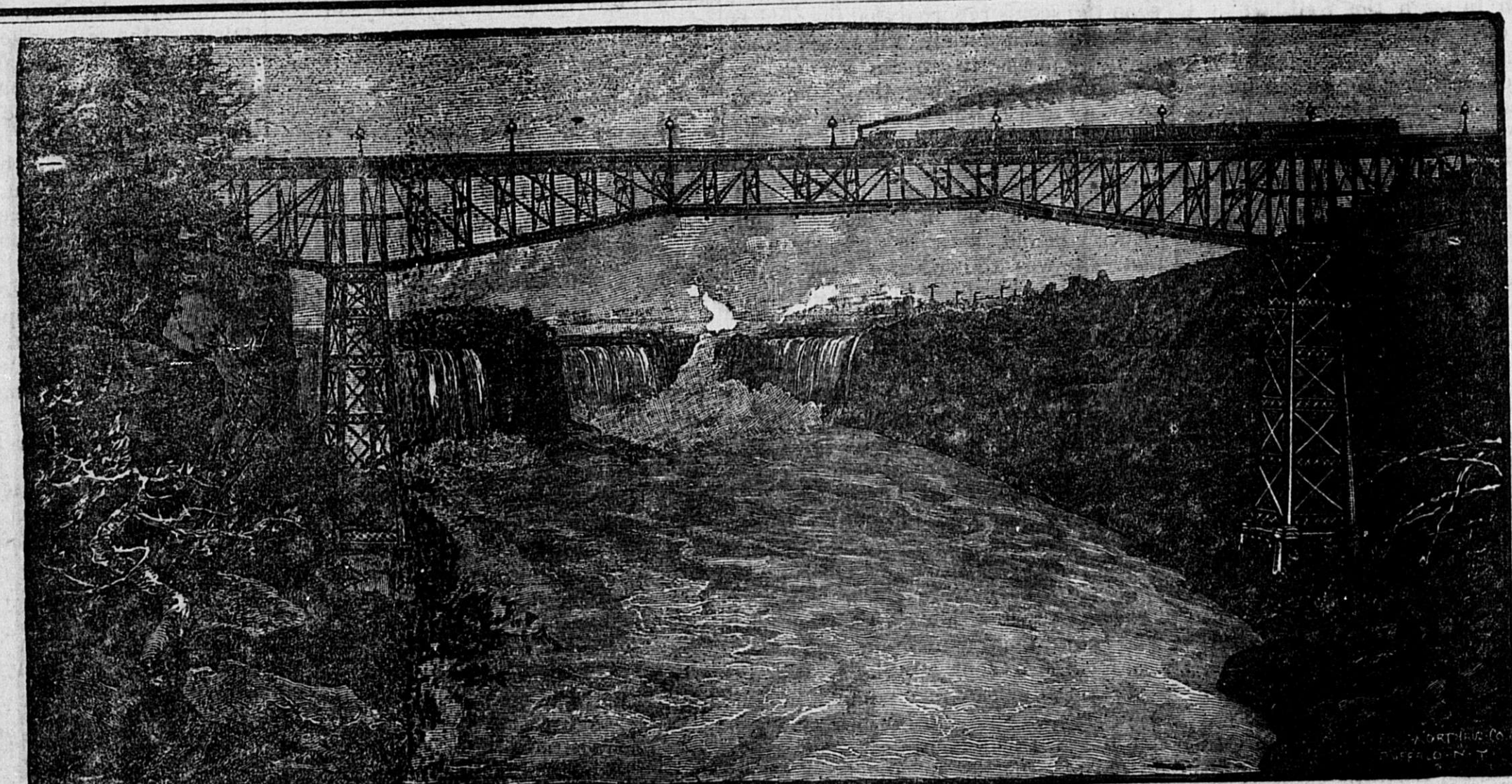
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THE NEW MICHIGAN CENTRAL RAILROAD BRIDGE.

Tawas City now being in direct railroad communication with the outside world, will undoubtedly take an interest in the development and progress of the railroad facilities of the country, and especially of the Michigan Central, as it is the connecting line of the new shore road, therefore its additional facilities for freight and passenger transportation are matters of importance to this place, which will without doubt be appreciated. Probably no other railroad in the country has made more rapid or gigantic strides, during the past few years toward the completion of a perfect system than this road. The increasing business and popularity of this road has led to many improvements in its equipment of late and the demand on the road having grown to such an extent it was deemed necessary to provide for a better crossing of the Niagara river. The result has been the construction of a new and substantial bridge which was completed last month. This great bridge is of altogether a different plan than any other that has heretofore been constructed and is what is called a canti-lever bridge. Its total length is 895 feet.

tons at each end to displace it. This constitutes the counter-weight to balance the unequal loading on the river arm. As this is, under the most unfavorable conditions, could never equal 200 tons, the provision was ample.

After the structure was completed from the shore to the steel towers, came the difficult portion of the work, i. e., to span the 500 feet across and

245 FEET ABOVE A ROARING RIVER whose force no earthly power could stay. No temporary structure could survive a moment, and here the skill of the engineer came in to baffle nature and laugh at her powers. The design of the canti-lever is such that after the shore arm was completed and anchored as described above, the river arm could be built out, one panel or section at a time by means of great traveling derricks, and made self-sustaining as it progressed. After one panel of twenty-five feet was built and has its braising adjusted, the traveling derrick was moved forward and another panel erected. Thus the work progressed section by section until the ends of the canti-lever were reached, when there still remained a gap of 125 feet to close. Into this was swung and suspended from the canti-lever arms, an ordinary truss bridge forming

plete within itself. Neither will there be any of that wave motion noticed on a suspension bridge as a train moves over it. When it is considered that it took over three years to build the present suspension bridge, which is for a single track, and that this bridge, for a double track, was finished within seven and a half months from the execution of the contract, some idea may be formed of the magnitude of the undertaking.

THE MICHIGAN CENTRAL.

Over this new structure the trains of that most popular of eastern lines are to cross, and they will be delayed long enough at the crossing to give passengers the best view of the falls that can be obtained from any point. The road runs fast trains, elegant drawing room and dining cars, and is by all means the most desirable route from Chicago to the east.

A STRUCTURE OF STRENGTH.

Manager Finney, of the Wisconsin Central, has just returned from a trip to Niagara Falls, the visit being made principally for the purpose of examining the new canti-lever bridge of the Michigan Central just completed there. He considers the structure a grand piece of work. He is profuse in praise of the engineer and contractor for their skill, and in congratulations to the railway gentlemen interested for having secured so desirable a property. The first trip over the bridge with a locomotive was made Thursday. Among these making the passage on the engine were Superintendent Ryland, of the Bridge Company; Engineer Schneider and wife; Engineers True and Son; Mr.

and others. The bridge seemed as firm under the engine as if built on solid ground. Shortly afterward a worktrain of six cars and an engine, with probably 200 persons on board, passed over without the slightest swaying motion. The work was carefully inspected by Superintendent Burrows and the engineers as the trip was being made, and everything pronounced satisfactory. The formal opening is now announced to occur Dec. 20.—Milwaukee Sentinel, Dec. 8th.

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