

The Wisconsin lumberman, devoted to the lumbering interests of the northwest. September, 1874

Milwaukee, Wisconsin: The Wisconsin Lumberman Publishing Co., September, 1874

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Wisconsin Lumberman,

DEVOTED TO THE

LUMBERING INTERESTS OF THE NORTHWEST.

SEPTEMBER, 1874.

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EDITORS: E. B. NORTHROP and H. A. CHITTENDEN, JR.

MILWAUKEE:

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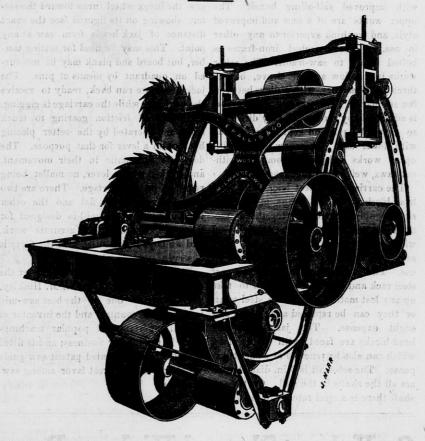
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We present above an illustration of a 30-inch friction pulley, with 12-inch face

new Iron Frame Double Circular Saw and solid web center, turned all over, and Mill recently placed before the public by is worked between the feed and gig paper Messrs. E. P. Allis & Co., of the Reliance frictions-which are 12 in. diameter and Works, in this city, with detailed descrip- 13 in. face—by means of an eccentric box tion for the benefit of our readers. operated through levers by the sawyer. This mill has iron saw frame, 10 inch- These paper friction pulleys are so ares deep, and heavily flanged top and bot-ranged as to be raised or lowered with tom. The feed is belted from tail of ease, as may be necessary to secure perarbor and gig, driven by the tight side fect adjustment. The arbors are of steel, of main belt, working on a 30-inch pul- the lower being one in. diameter and the ley. The pinion shaft is driven by a upper one 21 in. diameter. There is a for tighteing belt to upper arbor. The shaft with fine, cut wrought iron gears, lower arbor has three 12 in. bearings, and as the jack-heads move toward the with improved self-oiling boxes. The saw the index wheel turns toward the setupper works are of a new and improved ter, showing on its figured face the exact style, and we think syperior to any other distance of jack-heads from saw at any in use. A heavy arched iron-frame is point. This may be used for setting timbolted firmly to saw-frame. The arbor, ber, but board and plank may be measurworks in a hollow arched sleeve, having ed on quadrant by means of pins. The three 8 in. bearings, with pulleys between jack heads are run back, ready to receive the standards. The sleeve, with arbor, the next log, while the carriage is gigging, is adjustable by screws in every direction, by means of friction gearing to truck so as to be put and kept in perfect line shaft, and operated by the setter placing out saws, weighs ten thousand pounds.

head-blocks; but by means of our new sets of dogs-one for flat and the other rigid coupling can be put together in sec- for round logs. The mill is designed for tions and made any length desired, and doing the most rapid and accurate work, with any number of head-blocks. The and we hope it will meet with the favor it set works are the most perfect now in deserves. use. The jack-heads are worked by cast This mill has been got up under the steel rack and pinion, so made as to take careful supervision of Mr. G. M. Hinkley, slight expense. are all the shafts in the mill. On the set- mill men. shaft there is a steel ratchet 18 in. diame-

tightner-frame and pulley hinged to frame, ter. The index wheel is geared to setwith lower saw. This saw-frame, with his feot on a lever for that purpose. The upper works and pulleys complete, with- dogs are automatic in their movement, and worked with a lever, no mallet being The carriage is 24 feet long, with two required on the carriage. There are two

up any lost motion should the steel wear; well-known as one of the best saw-mill or they can be replaced at any time at a men in the country, and the inventor of The jack-heads and several important and popular machines head-blocks are faced with steel plate, used in the lumber business; and is fitted which can also be renewed at a slight ex- with his newly invented patent saw guide pense. The set-shaft is 8 in. diameter, as which meets with great favor among saw-

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WISCONSIN LUMBERMAN.

Vol. II.—SEPTEMBER, 1874.—No. 6.

THE WISCONSIN LUMBERMAN FOR 1874-5.

With this number Vol. II and the first year of The Wisconsin Lumber-MAN is closed. The best evidence of the success and popularity of this publication lies in the fact of its unparalleled increase in size and appearance since the first number was issued. Last October The Wisconsin LUMBERMAN commenced its journalistic life in primmer form of 48 pages. It has grown in less than a year to be one of the largest magazine publications in the United States, with an extended circulation in twentythree states and Canada. THE WIS-CONSIN LUMBERMAN Publishing Co., feeling assured of retaining past patronage and that the present ratio of business increase will continue, are making extended preparations for steady improvement of The Wiscon-SIN LUMBERMAN during its second year. Preparations are even now being made whereby the most reliable information concerning the log crop for 1874-5 will be obtained. Extra exertion will also be made to procure perfect reports of the annual business of all the important lumber

bering district, north, south, east and west. The experience of the past year will enable the editors of this journal to make it of far greater value to the trade than it has been. various improvements to be made in THE WISCONSIN LUMBERMAN will rank it at least equal to any special or class publication in the world. publishers have faith that every subscriber will renew his subscription at the close of the time for which he has paid; but it is desired that every subscriber should use his personal influence to increase the circulation of The Wisconsin Lumberman. Another favor is asked of subscribers. We want news and information from lumber districts. Send us statistics and opinions; the more and oftener the better. We will publish them if we have to increase each issue of THE Wisconsin Lmmberman to the size of Webster's Unabridged. A word in relation to the lumber journals of the country. There are now four publications devoted particularly to the interests of the lumber trade. The Boston Lumber Trade, the Bay City (Mich.) Gazette, the Northwestern (Chicago) Lumberman and this pubmarkets of the country. These re- lication. The combined subscription ports will be published in tabular price is only \$9.00. There is not one form and will represent every lum- lumberman in the United States or subscribing for the four publications. Each and ever one of the journals issued is needed to fully represent and aid the lumber business of the country. Each publication is so located that it can best represent a great department of the lumber bus-The different publications iness. mentioned are of great service to each other, and there is no one of them but is worth more than its subscription price to any lumber manufacturer or dealer. \$9.00 a year is a small amount for a lumberman to pay out in support of these publications. In conclusion we again say that THE WISCONSIN LUMBERMAN will be greatly improved during its next volume. That a faithful endeavor will be made to furnish reliable statistics and information. And that the lumber trade will find a faithful champion and advocate in The Wis-CONSIN LUMBERMAN.

THE POWER OF THE LUMBER TRADE.

The lumber business is the second great manufacturing industry of the country. The iron interests only representing an equal amount of capital and men employed. The lumber trade of the northwest represents more brains, influence and money than any one industry, not excepting even that of agriculture. Chicago handles annually about 20,000,000 bushels of wheat, worth-averaging one year with another, \$20,000,000. Not less than 1,300,000,000 feet of averaging the different qualities, than sional delegations and exercise an in-

Canada that will not be benefitted by \$25,000,000. The capital that has actually been invested in pine lands, mills, booms, &c., in Michigan and Wisconsin, is about \$87,000,000; and indeed, estimating pine land at its stumpage value and the actual capital now represented in pine lands in Michigan and Wisconsin, can not be less than the enormous amount of two hundred million dollars. Notwithstanding the vast wealth and influence of the lumber trade of the northwest there has never heen the slightest effort made by the lumbermen to concentrate their influence for the purpose of mutual good, through political work or otherwise. While the farming element has risen to a man in one combined effort to control power and legislation for the purposes of cheapening transportation and the removal of tariffs, and have so far succeeded as to be the great power controling legislation in the west, the lumbermen have yet to make the first move towards securing any of the great influence to which they are entitled by virtue of wealth and numbers. The question of reciprocity with Canada is now agitating the country, and is a question which will meet with its best support from the farming community of the northwest. It is time the lumbermen of the northwest appreciated their power, and utilized it. There is no need of secret societies after the manner of the grangers, but there is need of organized associations that will enable lumbermen to consult each others interests. The lumber interpine lumber annually passes through ests in Michigan and Wisconsin can the port of Chicago, worth not less, control half their respective congresfluence in the legislatures of Michi- hope soon to see their affairs in anygan and Wisconsin, second to no other one power. We hope a great assemblage of lumbermen will convene at Chicago during the present month. We hope that a Northwestern Association of lumbermen will be formed. And we also hope that the association will appreciate its power for good to the trade in various ways, and utilize that power accordingly.

A PROPOSED CONVENTION AT CHICAGO.

It is proposed that a convention of the lumber manufacturers of the northwest assemble in convention at Chicago sometime during the present month. At the present date of writing no stated day for holding the convention has been named. In deed, it will depend on the pledges of a certain number of lumbermen to be in attendance, if a convention is held. The matter of holding a convention this fall is something of financial importance to the lumbermen of the northwest, and of the country. All through the more important lumbering districts conventions have been held with a view to making some arrangements for the curtailing of logging operations this winter. The manufacturers of the northwest must co-operate in the movement or else no good will be accomplished. The question of curtailing the production of logs this winter is not a question to be argued adopted by manufacturers if they act in harmony for the general good

thing like a prosperous condition.

The statistics of the lumber trade throughout the country show an enormous increase in production, during the past five years. demand has not increased proportionately, and the general business stagnation during the past year has seriously interfered with what would have been the ordinary demand under a favorable condition of the business affairs of the country. The northwest is not alone in the matter Canada, and of over-production. the eastern and middle states have cut all the lumber that the money of the lumbermen could get out. The southern states have doubled their production within the past three years, and now we find that yellow pine is a principal feature of the eastern lumber markets. Lumbermen of the northwest do not really appreciate the strenght and importance of the vellow pine element which is having such an affect on the eastern markets. St. Louis. even, is building up and increasing its trade in vellow pine lumber, and it is now a large and distinctive feature of the St. Louis lumber trade. Yet, southern manufacturers have held conventions and expressed their willingness to curtail operations for a season at least. It is time the lumbermen of the northwest acted jointly with the producers of other portions of the country. A thousand manufacturers of lumber should or dwelt upon. It is a question of promptly respond to the circular sent immediate and vital importance, and out from Chicago, and then be presone that must be agreed upon and ent at the convention, prepared to

who will hold out and object to form- subtracting the over plus of 1874ing a definite compact to curtail pro- 6,144,510 feet—and we find that there ductions; but, with the assistance of is to-day 27,091,400 feet of lumber dealers pledged to purchase only less in Chicago, than there was last from manufacturers who have ex- year at the same date. Very many pressed their willingness to acquiesce large markets give a similar showing. in the plan adopted for the mutual The overstock of 1873 is gradually the country have it in their power to satisfactory condition next spring. retrieve the losses they have suffered during the past two years. Let the effort be made.

RECEIPTS AND SHIPMENTS AT CHICAGO.

The receipts of lumber at the Chicago market from January 1st to August 15th, the present year, amount to 590,929,000 feet. Last year, during the same time there were received in Chicago, 609,615,000 feet; or, 18,684,000 feet more, during the corresponding time in 1873. The shipments from Chicago, however, are reversed, and we find that the shipments for 1874 from January 1st to August 15th, have exceeded those of and under conditions as follows: the corresponding season in 1873, by 14,552,000 feet; 334,928,000 feet representing the amount shipped in 1874, and 320,286,000, the amount shipped in 1873. January 1st, 1873, there were 321,943,232 feet of lumber at the Chicago yards. January 1st, 1874, there were 327,877,742 feet; or an increase of 6,144,510 feet over the amount of 1873. The difference between receipts and shipments this year as compared with last, we find favors reduction of stock in Chi- thorough practical test, upon a left

of the trade. There may be persons cago to the extent of 33,236,000 feet; good of all, such parties would very becoming less and less, and if loggers soon avail themselves of the privilege can only be induced to stay out of of any compact that might be made. the woods this winter there is hope By united effort the lumbermen of that the lumber market will be in a

A SPECIAL PREMIUM FOR SAWS.

The officers of the fifth Cincinnati Industrial Exposition have issued a circular in which they say:

In response to the numerous applications from saw manufacturers, and lumbermen, the Board of Commissioners will award, in addition to the regularly advertised premium No. 264, in class 26, "best circular saw."

A special premium of one hundred dollars (\$100) in gold. To be determined by the regularly selected jurors of class 26, in the manner

"That all saws competing for this premium shall be of uniform diameter viz: 56 inches."

"That they may have either sold or inserted teeth."

"The gauge to be at the option of the exhibitor."

"The eye of the saw, two (2) inches diameter, pin holes, five-eighth (5) inch, three (3) inches from centre to centre."

"Each saw to be submitted to a

"Diagram cards to be taken from the engine during the trial of each saw, by a disinterested expert, selected by the jurors."

"The test to be made during the week, beginnig September 21st."

"Other details of the examination to be determined by the jurors." GEO. W. Jones, Pres't.

W. P. Anderson, Sec'y.

The premium offered is, in its self, of no amount to attract the special attention of effort of the great saw manufacturers of the country. But that there is to be competition for the honor of the best made saw will be sufficient inducement for every firm to do their very best towards carrying off that honor. The test will be watched by mill men with a good deal of interest.

THE WISCONSIN VALLEY R. R.

The Wisconsin Valley Railroad is now certain to be completed to Wausau by the first of December. The completion of this road to Wausau will form an important outlet to the lumber of northern Wisconsin. is claimed that there are now 25,000,-000 feet of lumber ready for shipment from Wausau, that will remain in pile until the railroad reaches that place. The Wisconsin Valley road is one of the new enterprises of the state, but it will certainly prove one of the most important, especially in developing the immense natural resources of central and northern Wisconsin. Marathon county and Wausau have displayed good judgment given in the following table:

hand mill, provided for the pur- and great energy in the matter of securing a first-class railway.

RECEIPTS AND SHIPMENTS.

The lumber trade of 1874, viewed in its different aspects, presents an anomaly difficult to fully understand. The trade for 1874 opened unusually active, and Chicago, the Mississippi markets above St. Louis, the interior markets of Minnesota, Wisconsin and Michigan, did a much larger business between January 1st and the last of February than they had ever done at the same season and in the same time. The trade on the Lake Erie shore, at Oswego, Albany, New York and Philadelphia, opened several weeks later, but continued active a corresponding time longer, and the operations were very large, as in the western markets. overstock in the different markets was pretty well worked off before spring shipments commenced to arrive from the pineries, yet, the very first lumber to arrive at the markets had a tendency to weaken prices. The fact was an indication of mistrust. From the time lumber from the pineries began to be placed on the market prices have grown steadily weaker, notwithstanding that the eastern trade has been really fair, that receipts have been less than last year, both in the eastern and western markets, and shipments have been larger than they were in 1873. The actual figures will best explain the anomaly of which we speak. The receipts of lumber at the great market of Oswego during the past seven years are

	Feet.
1874	. 121,491,900
1979	128,814,200
1070	121.111.000
1071	140,225,200
1970	- 149,190,000
1960	133,432,500
1868	132,694,000

It will be noticed that the receipts for 1874 have been less than the receipts of any other season given except that of 1872. Yet it is claimed that the shipments thus far have pursue, is to meet in convention and exceeded the average of any previous season. At Albany, advices up to August 25, show that the receipts are less than they were up to the amount of logs to be put in. The same date last year and that stocks are low for the season, indicating that shipments have been at least epual to that of previous years. At that may be of use to them in case Chicago receipts up to August 18, were 629,916,100 feet against 649,-815,000 to the same date in 1873; while shipment from January 1st have reached 349,750,000 feet against 336,068,000 the corresponding time last year. Similar decrease of receipts and excess of shipments have characterized nearly every market of These facts would importance. naturally advance the price of lumber. Why then do prices remain weak and ready to decline at the least unfavorable circumstance? Undoubtedly, the general lack of stamina observable in all business circles this year creates a distrust that will weaken any market. But the one great cause lies in the fact that dealers know that the number of mills and the facilities of transportation make it an easy matter for manufacturers to throw vast quantities of lumber on the market at any time when prices will pay a fair profit. The dealers are actually frightened

out of paying prices which they could now pay if they could know positively that the market would not be glutted at the first andvance. Dealers have got to be satisfied that the production will be curtailed, before lumber will again advance to anything like remunerative prices. The only policy for the trade in the northwest to come to a perfect and mutual understanding as to the course they will pursue this winter as regards the facts of receipts and shipments at the different markets will furnish manufacturers food for reflection of a great convention at Chicago this. month.

AN IMPORTANT MEETING.

We trust that the loggers and lumbermen will not forget the meeting of the "National Association of Lumbermen," at East Saginaw, Michigan, on the 15th of September.

The questions that will be discussed there effect directly the large interests of all timber owners and manufacturers of lumber in the Chippewa Valley, and it is to be hoped that there will be a large representation from here.

By this time it must be evident to all that the present senseless slaughter of pine must be stopped. The supply is more than twice equal to the demand, and bankruptcy stares every operator in the face unless there is a change. If the lumbermen in the West and East will only work together, all this can be remedied. The stock ought to be reduced one-half, and operations largely suspended next winter. -Chippewa Herald.

SOUTHERN PINE LANDS.

THE MIDDLE MEN.

Many prominent pine land owners are investigating the pineries of the southern states with a view to investment of capital. There is no question of the decided value of large quantities of timber land in the south that have for years been considered of little or no value. Yellow pine cannot supply the place of white pine, yet for some purposes it is superior-as flooring for instance-and its general introduction for the uses that it is particularly adapted to, will relieve somewhat the present great demand for white pine and thus assist in preserving, yet a term of years longer, the pineries of the northwest. The pine lands of the south certainly offer extraordinary opportunities for investment. Even after the timber is cut away, the land proves valuable. Probably no one thing would more quickly place the south in the front rank of prosperity, than a thorough appreciation and a partial and judicious development of the lumber resources of that portion of our country. Cyprus is very abundant all through the southern states, and for some purposes cyprus lumber is valuable. A Philadelphia lumber firm are making strong efforts to introduce cyprus to the favor of builders. For wainscoting, sheeting and similar purposes, the lumber is only inferior to pine. Capital will soon find its way, in large quantities to the timber lands of the south, and it will not only be a blessing to the southern states, but will assist materially in the preservation of the rapidly disappearing pineries of the northwest.

In the last number of the Northwestern Lumberman a correspondent argues against what he considers the evil of the lumber trade, "the middle men." It is difficult to determine whether the correspondent refers to all middle men, the retail dealers included, or whether he is after the "commission men" particularly. The question of the employment of middle men, is one which every manufacturer must decide for himself. The yard or retail trade is in fact the trade of the middle men. Large manufacturers like the Ludington, Well & Van Schaick Co., the Eau Claire Lumber Co., Knapp, Stout & Co., or the Northwestern Lumber Co. run their own yards separate from the immediate business of logging, sawing and shipping to market, thereby recognizing the fact that local retail yards are a necessity of the trade. The trade could not be handled without retail yards. The only question then is, can the manufacturer keep and maintain his own vards in different localities, or must he depend on the assistance of the capital of the middle men? Every manufacturer has the undoubted right to assume the business which he would otherwise do through mid-The manufacturer will dle menassume that right whenever he can do so profitably. The idea of consumers purchasing directly from the manufacturer is all right as a theory, but it would be just as impracticable as it would be for the great wholesale dry-goods, grocery and hard ware houses to attend to the busi

ness of the thousands of country and village stores. The correspondent argues that the money advanced by the middle men gives opportunity for over-production. The assertion that manufacturers should be curtailed by law to a limit in the amount of money they should expend annually, would be just as reasonable and would constitute a better argument. We quote the words of the correspondent referred to:

"As your columns are claimed to be open for the discussion of all matters pertaining to the interests of lumbermen in all branches of the trade, permit me to occupy a portion of your space and patience with a few observations, applicable to the subject of commission dealing or

"middle men."

Your anonymous Albany correspondent, sometime since, favored us with some interesting remarks upon the situation of affairs in the great eastern market, with regard to this same subject. Now, it is not my purpose to enter into a tirade against middle men in all branches of trade upon general principles, but simply to call attention to things which business.

In the first place, what is the incentive for engaging in the commission business at all, by those who carry it on? Evidently a desire to do business on other men's capital, and at other men's risk! If these parties have capital of their own, the natural supposition would be that profits. If there is more profit in next man or cargo disposed of. the first case, however, it is fairly dearly for it. Although the discus- erence particularly to Chicago as a

sion between your Albany correspondent above mentioned, and Mr. Sage of the same city, is "no funeral of mine," I cannot refrain from the remark regarding a statement made by the last mentioned gentleman, that if those engaged in the Albany commission business, use as much capital in its manipulation as 'it would take to own all the lumber they dispose of,' the only conclusion I can arrive at, is that they made that capital, in the first place, by the use of their customers and at the latter's sole risk, and that the whole amount, were it not for them, would have belonged to the parties they stand between.

The one evil of advancing money to manufacturers with which to pay expenses of winter stocking, is pernicious enough to condemn the whole business. It is not peculiar to the Albany dealers alone, but has long been prevalent among members of the trade at Chicago. It is one of the most fruitful promoters of the attendant evil of owerstocking which has reduced the lumber trade to its present demoralized condition. places the manufacturer virtually in the hands of the middle man, and whether in accordance with the dictates of his better judgment or not, appear to exist in the lumber trade he must cut his full quota of stock having their origin in this method of with the proceeds of which to satisfy transacting so large a share of the the too-willing-to-be creditor. There is considerable of moonshine about the idea of middle men being heavy losers through their "liberality (?) in making advances on lumber they never get!" There is also a shimmering of gauzy texture enshrouding the opinion that "it is not an infrequent thing for a commission dealer to make returns of the sales wealth could be accumulated faster of certain lots at a higher price than by becoming themselves purchasers he actually received, taking the and by assuming their own risk, and excess out of his commission." If stand the chance of making greater such a case occurs woe be to the

Arguing the case from the manucertain that some one pays pretty facturers standpoint, and having ref-

the matter stands. Of the amount sales, whether lumber brought a reof lumber received annually at Chicago, about one-half of it is consigned to commission men, and by them sold to the yard men or interior buyers. It costs a large sum of money to conduct the commission business of your city, to fit up the number of offices with fine furniture and fittings, to employ an array of clerks and book-keepers, and all the other varied etceteras appertaining to it. This money is paid by whom? Ostensibly by the consumer, really by the manufacturer, who could sell. his own lumber from his own office in Michigan, or wherever it might be, for just as good a price as the middle man obtains, without paying the large percentage on the profit which the middle man takes for his services. Now what benefit accrues to the manufacturer from the service of these middle men? Would not the mill men be better off if the system of selling, on the Chicago market, through them, were abandoned and the trade brought to their own offices and yards? It is not that I believe the commission men a bad class, dishonest, or more avaricious than the average of mankind, I am simply asking if the interest of the manufacturers would not be better subserved without them. As to the buyers, it would make little difference to them. There are few in Chicago who could not as well buy their supply from the mills in Michigan and Wisconsin as at the Franklin street docks. It would, I think, be a benefit to them rather than otherwise, as each buyer would stand a much better chance to get just the kind and quality of lumber desired by him, without any fear of getting "packed" cargoes. It would undoubtedly do much toward forcing manufacturers to regard a law they now have the utmost contempt for, i. e., that of supply and demand. There would be no advances by com-

base of operations, let us see how paid out of the very first summer munerative price or not. would be a much better opportunity offered the mill men for unanimity of action; and a greater harmony might prevail where but little now exists. It is a very pleasant thing to consign a cargo of lumber to some "old established" South Water street commission house, and draw upon the "old established," for the proceeds. So long as prices were up, it was extremely pleasant, and any easy way of doing the business. But it was that very thing which conspired to send prices down. It was too ersy and pleasant. Too many would do Consequently the manufacturers it. now find that there are certain limits even in the lumber business, and the selling of lumber on the market at Chicago at \$9.00 and even \$8.50 per m. leaves but a microscopic margin indeed, for stumpage!

> These are simply ideas of my own Mr. Editor, and believing that a discussion of the question would result in no harm, I would ask that some one holding different opinions give

us the other side.

Of the whole surface of England and Wales, less than 4 per cent., or only 1.458,000 acres out of a total of 37,319,000, is occupied by woods, coppi es, and plantations. Treating the tree Ridings of Yorkshire as seperate counties, Sussex is the only country which returns more than 100,000 acres of wood, nearly 11 per cent. of its area being thus clothed. The woods of Hampshire are next in magnitude, embracing some 78,000 acres, but forming only 8 per cent. of that countrie's area. Kent follows with 78,000 acres of woodland, while the adjoining county of Surrey, although returning only some 48,000 acres of wood, shows almost as high a percentage as its neighbor Sussex, since very nearly one-tenth of its whole area is thus employed. These mission men during the winter to be four counties-Hampshire, Kent,

Surrey, and Sussex—appear to possess a much larger extent of woodland, relatively to their size, than any other area in England.—English paper.

U. D. MIHILLS & CC.

The great lumbering firm of U. D. Mihills & Co., have been obliged to call a meeting of their creditors for the purpose of placing before those creditors a statement of the financial affairs of the firm. It is well-known that every lumbering firm in the northwest has labored under great difficulties and trials during the past year. Less pluck, energy and honorable intention than that possessed by the lumbermen as a class, would long ago have sent hundreds of wellknown firms to the wall. Creditors have realized the situation and have acted, usually, honorably with the lumbermen. There is no prominent lumber firm in the country that will not come out all right and sound financially, if they are only given a fair chance. The lumbermen as a class have assets far exceeding their liabilities, and it is only a question of a little more time that will enable those now embarassed to again attain prosperity. Of the case of U. D. Mihills & Co., the Fond du Lac Reporter says:

"Certain newspapers in the state have put in circulation very exaggerated statements of the condition of this firm. U. D. Mihills & Co. have not become bankrupt, and according to the estimate of their assets and liabilities presented at a meeting of creditors, held in this city on last Tuesday, they own property enough to cover more than twice the amount of their indebtedness. The meeting

of creditors here referred to met at the Patty House, pursuant to notice of the firm of U. D. Mihills & Co. The meeting was organized by the election of A. Stevely, president, and T. W. Spence, secretary. In response to a request for a statement. from the firm of their condition, U. D. Mihills presented the following approximate estimates: Liabilities of firm, \$240,000; assets of firm: personal property, \$115,000; pine land exclusive of Main Wolf Pine. \$180,-000; real estate in the city of Fond du Lac, \$175,000; Main Wolf Pine, \$18,000; total \$483,000. A committee of five, consisting of three unsecured creditors and two secured, was then appointed to examine the condition of assets and liabilities of the firm and to report at a meeting to be held at the Patty House on Wednesday, September 2d, 1874. The committee consists of Messrs. A. McDonald, W. Hyde, R. Merryman, G. W. Sexsmith and J. Q. Griffith."

THE INSPECTION LAW OF WISCONSIN.

The existing statute of Wisconsin relating to the inspection of lumber, is of no earthly use. An inspection law, relating to lumber, should establish a standard of qualities. The present law of Wisconsin provides for the appointment of lumber inspectors but renders it impossible for those inspector's to accomplish the task of inspection, simply because there is no legal standard to which they may comply, At present the rules of the Chicago market and the rather poorly defined inspection of the Mississippi markets, is the only guide by which manufacturers and buyers may understand each other in the matter of contracts. Wisconsin needs an inspection law as clearly defined as that of Michigan. and a standard of qualities equal to that adopted by the Chicago Lumberman's Board of Trade. The lumbermen of the state should take the matter in hand and get legislative action thereon the coming winter. A thorough inspection law is of inestimable value in making contracts, rendering secure in all transactions both the buyer and seller. Let the lumbermen of Wisconsin advise with each other on this subject and report a bill at the next session of the legislature.

THE CHIPPEWA IMPROVEMENT.

Col. Turner and his force of survevors are passing slowly along down the river, and were yesterday engaged in the vicinity of the West Side mills surveying the channel, and estimating the cost of putting this river in a navigable condition, during the low water season. Now this work has to be temporarily done by the manufacturers along the river, and at present the lumbermen have a crew of men engaged in building wing dams at different points, in order to confine the water to one channel sufficiently for simple raft navigation, boats Round Hill, in any event.

improvement of our river navigation for rafts and steamboats, and it would seem by the operations now going on, that our national government has at last woke up to our importance as a manufacturing region, and necessities for getting our staples to market. Col. Turner is making a survy and estimated cost of a three-feet channel, which will, when adopted and improved, make our river just what nature has designed it for, one of the finest streams in the west .- Eau Claire Free Press.

LUMBERING AT DUBUQUE.

From the Dubuque Herald.

Dubuque, Ia., Aug. 19.

Taking the general tenor of advices as a basis, the lumber trade of the entire northwest is dull. The supply and facilities for production greatly exceeds the demand and results in competition, low prices, ruin and final disaster. All along the river come reports of an overstock of lumber, buyers holding off and holders easier to sell. A change is devoutly wished for to save what merchants are in the business; old established firms whose experience has never been like the present season's. A movement is on foot in Saginaw Michigan to bind manufacturers not to produce but one-half the usual . quantity of lumber next season and thus reduce stocks, and bring up prices to a fair living rate. Chicago is in the same condition as regards an over-stock.

The Dubugne Lumber Company of this city, is unable to sell as fast as it turns out lumber, and finds some difficulty in collecting funds enough to meet running expenses, which are \$6,000 per month. This fact together with the unremunerative low figures lumber is selling at, has brought about a change in affairs resulting in being unable to run farther than the discharge of thirty-five men last week, and the closing down of the What we need, is a permanent large mill next Saturday night. The small mill will be kept running as usual. The Company has been operating at a loss for several months, and have adopted this course to reduce stocks and also reduce current expenses; lumber is selling below the cost of production and there is not a man in the business but what is alive to that fact.

> Our home market has picked up a trifle the past week and looks better: orders for car loads are more numerous than usual, and from present indications the extremely dull part of the season is over.

RECEIPTS.

Two fleets of 750 M each from the Yellow River, were added to the stock of Weston Burch & Co., the only receipts on owners' account. Knapp, Stout & Co. sent 11 million feet below. Reed received 500 M of one million feet Chippewa purchased on speculation.

One hundred M, Chippewa, (all strips) at \$14 per M; No. 1 Chippewa mill-rnn is held at \$12.75 to \$13.00, the only variety of which there appears to be any demand. Buyers were scarce last week, and as a result the market was unusually dull.

The river is falling and low water is one of the worst features lumber owners have to contend with.

Rail shipments present an encouraging feature, showing a healthy increase on the number of cars forwarded the week previous. If lumber is dull afloat, yard sales are quite satisfactory, and with the majority of dealers, is fully up to expectations during the season of harvesting.

Shipped	west	previous week	60
C	nole in	1873	

MAPLE VENEERING

The Green Bay Advocate prints the following about making bird'seye maple veneering at Depere:

The machine of S. D. Carpenter and Dr, M. E. Williams, for cutting veneering, which we have previously described, is an undoubted success. It does its work smoothly and well. Our readers will remember that it is a knife shaped like a pencil sharpener from round blocks, but it is different excellent fire wood, and rough lum-

from this. In that the knife is parallel with the log and in some kinds of wood the beauty of the grain is lost, while with the knife set at an angle it is preserved. A few words will give an idea of the profit of using a machine like this: A bird'seye maple log scaling 1,000 feet can be put down at the manufactory for \$6 to \$8. The machine cuts veneering one twenty-fourth of an inch thick, and the log would therefore cut about 24,000 feet. Two men, it is thought could cut the log in half a day. At one cent per foot the veneering would be worth \$240.-But this veneering is now worth six cents per foot, or \$1,440 for the log.

RED WOODS-THE CALIFORNIA SUPPLY.

In the vicinity of Guerneville, Cal., the great feature of trade of late has been in red woods. At the present time the business in this article has reached such a magnitude that the machinery is insufficient to turn out the article for market, while the transportation facilities are equally inadequate. There are now six large mills in full running order, turning out every variety of red wood work, but the manufacture of cigar boxes, and fitting the wood for other markets seems to be the principal trade. The total amount of all kinds of lumber turned out at these mills will average, it is estimated, about 95,000 feet per day. There is but one line of transportation, and this company charge such prices as allow only the most paying kinds of wood to be shipped. The managers of a number of the mills have expressed their disgust at this impediment to the increase of business in that region, and commences cutting at the end of and lately have offered \$1,000 in ties the log, the log feeding in to the towards the building of a new road. knife or the knife to the log, on a It is estimated that in working up common lathe, the veneering coming three million feet of timber, one miloff in the shape of a scroll. There lion feet is waste and is burnt up. is a machine for cutting veneering Nearly all of this waste would make

ber for sheds, etc. Cheap transportation would enable the mill owners to ship this waste to a ready market. It is estimated that the mills in that vicinity could send, in the aggregate, from ten to twenty million feet of lumber over the road. They could also send immense quantities of lumber, such as laurel and fir, besides bark and chair stuff. Then all supplies from the city and country could be received quickly and cheaply. The passenger traffic would be considerable, and there would be an outlet summer and winter. Probably this is not the only place in the state that is kept entirely out of sight, and a very important trade allowed to net but small profits, for the lack of the necessary transportation facilities .- N. Y. Tribune.

THE MARKET AT ST. LOUIS.

The following description of the condition of the Louis lumber market will apply to any of the great lumber Affairs are truly in a bad way. The general markets will be benefitted by almost any action towards curtailment of amount of manufacture. Meet then at Chicago in one great convention and at least adopt resolutions agreeing with those recently passed in convention by the Canada lumbermen. The description we append is from the Northwestern Lumbermen.

"Our local market, during the portion of the year already past, has given little cause for congratulation. It has been governed by the condition of up-river competing points, the general state of trade, and internally, by the action of the dealers in endeavoring to force matters. The beginning of the year witnessed a surplus of forty-six per cent of white pine, over the usual amount carried,

reduce the quantity, and not always with special regard to immediateprofit. This idea has been persued to a considerable extent, and while it is meitrorious to meet the market all times, it is questionable at whether an unhealthy competition has not been developed. The big firms have thus secured the principal portion of the trade, while those with more limited capital could not retain customers always, at the expense required. Large quantities of common lumber have been sold from the vards and the market is well stirred The low prices prevailing haveprevented much lumber coming in by rafts, and that received, has averaged nearly as much as that sold from pile. Upper grades have not suffered so much. Sales in the water have been comparatively slow, and the cause of this has been the extra caution exercised by the dealers, all, evidently wishing to await some definite turn in affairs, and trusting little to judgment. Chippewa and Wisconsin river dimensions affoat sold at \$11 and \$12; common run \$12 to \$14; and good to choice Wisconsin \$16 to \$23. Minneapolis ruling about \$13 to \$14. Shingles and lath have ruled inactive and are now dull.

The extent of building in the city limits is a matter of gratification, taking in consideration the few inducements apparent and in the face of a very dull business, but a confidence that the needs of the city do or will warrant it, is the true reason of this outlay. The number of buildings will probably equal those erected last year, but there are more small dwellings requiring less money. The large amount of cotton received here in season, has caused the erection of several warehouses, and threeare under way now, including a remodeling of a planing mill for that purpose. The yard trade as regards city consumption, during the spring, was fair, but the shipping trade was and hearty exertions were made to dull and orders limited. Only a few firms used extra efforts to secure the The demand for country trade. yellow pine flooring, strips and boards (4 and 6 inch) was good during spring, but is now miserably dull, and prices have no bottom unless they have reached it now. Dry flooring boards (yellow pine) brought easily in March and April, \$27 for 1st and 2d clear, and at present is selling for \$24 to \$25; third rate \$14. The orders for special bills of yellow pine dimension stuff, have been rather limited, owing to low price of white pine, against which yellow pine is unable to compete successfully. Much less of this valuable commodity was received this year than last, and the receipts of last year were in the neighborhood of 12,-000,000 feet less than during 1872. The majority of this goes into floors and consequently only the last cuts of the tree can be used. ninety-nine per cent. comes over the St. Louis Iron Mountain & Southern R. R., nearly all from Missouri, and being local freight the tariff is just high enough to prevent the shipping of the coarse lumber, and the top logs lay in the woods and rot. Probably one fourth of the timber is wasted in this way.

There is a general opinion that our market will improve the coming fall, but there is very little besides good crops to warrant the belief that there will be an encouraging activity.

"GHIPPEWA CITY.":

Any one who visits Stanley Bros. store at "Chippewa City"—five miles above here—can see hanging on the wall, a handsome engraving of what was intended to be a large city. Wide streets are laid out, bordering on "Union Squares," etc., while "College Avenues," and elegant steamers in the river, are thicker than (to use an entirely original expression) leaves in Vallambrosian puddles. The owners of this property were H.

Lieutenant Gleason (late W. Governor of Florida,) and Gen. Richaid F. Wilson, of the Gov .-Taylor-St.-Croix-land-grant timberagent brigade. It was supposed that the "Tomah road" (now the West Wisconsin) would cross the Chippewa river near that point, on its way to "Lake St. Croix," and the sanguinary Dick and far seeing Hank were bound to have a city there even sooner than Alladdin could secure one with his wonderful lamp. It is a melancholy comment on human shrewdness, however, to think that where "these" gorgeous streets, "those magnificent squares, "them" unsurpassed College avenues, existed, rural bovines now secure a bountiful herbage, and the plebian tingle of cow bells are substituted for the ravishing chimes of metropolitan church bells. Instead of hearing from the usual twang of "four and a halt," "quarter less twain," "three feet scant," and the rushing sound of steam escaping from red hot steamboat boilers, with "a niggar squat on the safety valve," naught now is heard save the words of men on the sorting log gag, "boom her," "down river," etc. Mackey tells us that Napoleon imagined the sad face of the Spinx mocked his ambition; and the vernal bloom of "Chippewa City"—the "low of cattle and the song of birds," must be a perpetual reminder to the once owners of the plat that its poor policy to count high, low, jack and the game, on a seven spot.

What we started to do, however, was merely to copy the following from Tom. Randall's interesting "reminiscences of the Chippewa

Valley":

"Various lines or routes were examined for this road, some crossing the Chippewa far down, and others above the Falls. Reports of these surveys would at any time be considered very uncertain data on which to base a heavy investment at a given point, but these or something still less reliable, gave rise to one

of the wildest and most visionary speculations ever conjured up in the brain of the most reckless adventurer. The summer of 1865 was marked for reckless speculation but operators had learned by the following spring '57, to go slow; not so, with the two however, young proprietors of half the village of Eau Claire; flushed with their success in the enterprise and the rapid sale of lots during the previous eighteen months, they felt strong for new operations. It has always been supposed that some motive inspired this transaction, not discovered on the surface, but R. F. Wilson utterly denies any other incentive than legitimate speculation, but that any man who had ever possessed business tact and foresight enough to accumulate such a sum, should seize upon a random report made by some subordinate engineer, that "the Tomah & St. Croix Railroad would cross the Chippewa at O'Neil's creek," and put twenty thousand dollars into lands at that point as a lucrative investment, seems almost incredible. But such is the positive fact, and a village plat was laid out and recorded at Chippewa City, a few lots sold, and a saloon or two started, and one tenth of the sum then paid would to-day buy every lot and acre of their investment.

"There were, probably, some other parties involved in this unfortunate and short sighted affair, and coming just at the time of that terrible crisis in the west, when all values were tumbling, and all business operations paralyzed or utterly prostrated, this hopeless speculation proved very disastrous to all concerned.

"The prevailing opinion at the time of this whole transaction was, that it was undertaken, to spite Chippewa Falls, and with the hope of building up a rival town. If such was the motive by which it was inspired, little sympathy should be felt for losers."-Chippewa Herald.

THE LUMBER TRADE.

From New York to Australia.

It is not generally known outside of those directly engaged in the business that large quantities of American lumber are exported annually to Australia. The fairway country has ever been regarded as out of the world almost, but nevertheless, commerce has overcome all difficulties, and a profitable trade has been the consequence. The cause of these reports is of course the demand in Australia for building material, not but that the country produces vast amounts of timber, but it is mostly hard woods, unsuitable for household uses. From the United States the exports are mostly white pine, boards and clear timber, and also spruce flooring and deals. These shipments are made mostly from New York, but occasionally from Boston and the St. Lawrence. This trade goes almost entirely to Melbourne where the lumber is used for building purposes and for all uses requiring soft, easily worked wood. It is of course readily understood that this trade is not regular, and that there are no vessels directly chartered for that purpose. It is a matter that has been taken up by persons engaged in the Australian trade, and when a vessel's cargo falls short, the deficiency is made up of lumber.

The value of this trade is about from \$1,500,000 to \$2,000,000 a year, but of late years it has been falling off, owing to the increasing population of the country, and the employment of stone and other substances

for building material.

It is thought, however, that though the annual demand will decrease there will ever be drawn a supply from this country, from the fact that it being simply shipped to complete a cargo, and not for purposes of speculation, enables the American shippers to supply the demand at very low rates.

Lumber is also received in Australia from Canada, from the Baltic, and from Queensland, but the latter goes entirely to Sydney, and costs as much as the American lumber does in Melbourne.

The exports from the United States \ from July 14th, 1873, to May 16th, 1874, were:-White pine flooring, 1,-244,560 feet; pitch pine flooring, 25,-000 feet; clear pine, 2,341,000 feet, besides doors, laths and pickets. During the same period there was received from the Baltic 134,883 feet deals, and from the United Kingdom 150,480 feet deals, and from the United States 8,030 deals, and 6,-237,500 feet sawn timber from Oregon. The receipts of colonial cedar was 2,224,000 feet, and 3,564,-000 feet Kouri pine from New Zealand. The colonial white pine received amounted to 2,335,000 feet .- New York Bulletin.

LUMBERING NEAR EVART, MICHIGAN-

We learn from the Review that lumbering will be carried on in the vicinity of Evart to a much greater extent than for the past two years, on account of the recent fires. Contracts have already been made, and Mr. A. H. Brandow will open camp this week. The following is a partial list of the contracts made.

tial list of the contract	Feet.
McFarlane Bros	18,000,000
(above Evart)	2,000,000
(Claim)	
Darrah & Robbins, (Little Muskegon)	4,000,000
W Hooper, (Claim)	. 3,000,000
W Hooner, (Claim)	The state of the s

There are a number of other large contracts made, which have not yet been made public. The most of the above is for Chicago and Big Rapids parties. Wilcox of Chicago wants to let a contract for 6,000,000 on Cat Creek, and Biddler 8,000,000 between Evart and Hersey. Business will commence much earlier than usual, and good times may be expected in this locality.—Saginaw Courier.

PRICES AND GRADES OF CALIFORNIA LUMBER.

Truckee Cor. of the Sacramento Record.

The association has classed the lumber under seven grades, and placed a fixed price on each. For the next two years this price cannot vary, and millmen will have no temptation to undersell, because they have no possible opportunity. For each thousand feet sold other than to the association, they for leit \$5.

First grade lumber brings \$40 per thousand and includes clear, dressed lumber, twenty inches wide and up-

Second grade brings \$35 per thousand, and comprise rustic, flooring, ceiling and clear surfaced.

Third grade is \$32 50 per thousand, and under this head is classed clear wide rough lumber, over twenty inches wide.

Fourth grade costs \$25 per thousand, and includes clear rough and clear dressed siding.

Fifth grade is \$15 per thousand, and comprises $\frac{1}{2}x3$, $\frac{1}{2}x4$, $\frac{1}{2}x6$, 1x3, 1x4, 2x3 and 2x4.

Sixth grade is valued at \$14 per thousand, and under this is classed 3x3, 4x4, 2x6, 2x8, common grades of all classes, from eight inches upwards, and 1½ and 1½ inch plank.

Seventh grade brings \$13 per thousand, and includes all lumber over and above sizes not herein-before mentioned.

We are informed that the St. Croix Land Grant, will not be put into market, until so ordered by Congress.

THE most complete and extensive house of its kind in Milwaukee is the steam job printing establishment of Messrs. Trayser, Williams & Walters, 62 Oneida street. Send for estimates on any kind or class of printing.

GOOD SAWING AT A MINNEAPOLIS MILL.

The mill of J. Dean & Co., Minneapolis, Minn., we remember as one the advertisement on tinted page, of of the finest mills of the northwest. Recently many accounts of rapid sawing by different mills, have been published. A single day's run and sawing is hardly a complete test of any mills work, as particular attention is usually given, in such cases, to the matter of securing good sized logs, and also to having the saws in condition that there can be no delay for the one days test. We have obtained a statement of three days work at the mill of J. Dean & Co.'s and Wausau, one of the most flourishing give it as an example of what is really first-class work. It will be noticed that the sawing done each day was very even, especially with the gang. The sawing was done by one of Wick's Bros. gang, and one dimension circular mill, in regular daily tours of ten hours each. The following is the statement:

July 16th, circular mill	Feet. 63,867 130,926
Total	194,793
July 17th, circu'ar mill	68,913 180,630
Total	199,548
July 18th, circular mill	77,593 137,193
Total	214,786
Total for three days	60 9,1 22 203,060
The above was sawed into the	e fol-
lowing dimensions:	

609,122 The lumber was hauled from the mill and measured as fast as cut. The sawing was that of three regular days work of ten hours per day, and shows a record hard to beat.

One inch boards and strips

Two inch plank, joice and scantling ..

.492,748

18,842

A RARE CHANGE FOR INVESTMENT.

We call particular attention to saw mill for sale. From long personal knowledge of the location, capacity and general features of excellence, the editors of the Wisconsin Lumberman are enabled to reccommend Mr. John C. Clarke's mill and property as particularly valuable. There is no better mill of its size in the country and the location is as perfect as one could wish even if he had the making of the surroundings himself. The mill is situated at cities of Wisconsin, on Big Bull Falls where nature has not only made the power but actually, as it would seem, constructed her own races to make it more available, We are pretty thoroughly acquainted with a majority of the mills in the state and we can truly say that for location and general excellence of the property, we know of no mill that is better property than that of J. C. Clarke's at Wausau, Wis. The Wisconsin Valley railroad will be finished to Wausau this year and then there will be railroad facilities for lumber shipments to all points west, south and east, as well as the present means of getting lumber to market, the Wisconsin river. We especially recommend Mr. Clarke's offer to the attention of capitalists.

The Chippewa Herald advises lumberman everywhere to curtail their manufacturing for at least the next three years. The slaughter of pine is immense, while prices are very unsatifactory.

LUMBER DRIERS.

Manufacturers of lumber who ship by rail or by cargo in vessels, begin to realize the importance of season-The patent ing lumber at the mill. dryers now in use render it possible, at light expense, to season lumber so rapidly as to make it practicable for nearly every mill to thoroughly season the lumber cut, before it goes into the pile. Our readers are aware that there are several different patent processes for seasoning lumber, and there is no doubt that each process has peculiar merits. The Northwestern Lumberman recently interviewed Hon. L. G. Mason, of Muskegon, Mich., and as the interwiew affords a full description of the Mason Lumber Co's., extensive plans for seasoning lumber, we publish the article in full.

R.—What is the capacity of this

Mr. M.—The present building will deliver about 80,000 feet of lumber daily, but our furnaces and other preparations are designed for a drying capacity of over 100,000 feet per day.

R.—What is the size of the Dry-House?

Mr. M.—One hundred feet by one hundred and forty feet, with ten feet ceilings in the drying chamber.

R.—Will you explain the process?
Mr. M.—First, as to our furnace; these are four in number, set contiguous, with aggregate dimensions of forty-two feet long, ten feet high and thirteen feet wide, each one being provided with a "self feed." They are set over two hundered feet from the mill. From the lath and picket machines, a steam carrier conveys all the edgings, saw-dust and other waste, not required to run our boilers, to these furnaces and delivers them

into the "self feeds;" one well grown lad being all the manual labor and care required to secure an equal distribution of the fuel.

Nearly all your readers will understand that the getting rid of the edgings and other waste of the mill, constitutes a great and constant expense. In most mills it is hauled oway to a safe distance, often a mile, by teams, and there burned; other mills have "Offal Burners," costing from \$3,700 to \$7,000 constructed near the mill, in which the waste is burned. In all cases the only object accomplished, is to get rid of the waste. In these furnaces we cheaply get rid of all the waste, and at the same time utilize the heat by drying all the lumber we cut, except the culls and such low grades as would not be benefited by seasoning, though we may find that it will pay to dry all we cut, if only to save From the furnaces the freights. heat is conducted into a sub-chamber and delivered through apertures in the floor, into the drying chamber among the lumber, which is piled on low cars to nearly the hight of the room. Each car will carry about 5,-000 feet; and the entire drying room, when filled, will contain about seven hundred thousand feet.

At the opposite end of the room, 140 feet distant, apertures in the floor are provided, through which the foul air, which has become cooled and has expended its drying power, passes into a sub-chamber leading to the exhaust stack, which is nearly 100 feet high, and thence out into the open air. Except these apertures for ingress and egress of the heated air, the drying chamber is made as nearly air tight as possible.

We have already tested our furnaces and they prove a triumphant success, and in a few days, probably by the tenth of August, we will have the whole in operation as designed. Then we shall run in on the cars at one end of the building say 80,000

feet of lumber, each day, until the room is filled. The cars once in, are moved forward sufficiently, each day, to allow the day's supply to enter. When once full, a day's cut is taken out of the one end of the building dry, and the then present days cut is run it at the other end; seven or eight days being required to dry a given day's cut. You will see then, that the drier being once filled, it will deliver the amount of our daily cut of lumber perfectly dry, every day, except culls and low grades.

R.—Have you faith to believe that this Drier will perform all that is

claimed for it?

Mr. M.—My faith is measured by my works. If you will walk with me to the mill and Drier I will show you the structure, and from its dimensions, and the platforms, cars, tracks, and other preparations necessary to properly operate it, you will conclude that we would not have made all this expenditure without the 'faith which doubts not."

We shall have to throw away our cigars, as no smoking is allowed in the mill or about the yards.

Going to the mill, constituted a healthful walk, the landed property of this company being almost as large as a German Principality; and during the walk Mr. M. "interviewed" our reporter, but the facts elicited are not important to our readers.

While answering questions our reporter's eye took in the broad acres of territory which constitute the mill and yard grounds of the company, the most of which has been reclaimed from the waters of Muskegon Lake, on the boarders of which it is situated. Mr. Mason and Mr. Charles S. Davis, both "forty-niners," of California, where they first met and "struck hand," started this business here some fifteen years ago, being also pioneers in this locality, then almost a wilderness, now a flourishing city of some 8,000 inhabitants.

About three years ago they formed

their property and business into a stock company, taking in as associate stockholders, the Secretery Mr. Thomas Munroe, to whom, our reporter is indebted for courtesies, and Mr. James S. Wheeler, who, with Mr. Davis, manages the Chicago branch of the business.

Our reporter can more brifly tell his veni vidi,-"and was conquered!" in his own language. Here he saw one of, if not the most complete friction mills in the country, of capacity of 140,000 feet per day of eleven hours. Extensive booming waters, and docks, including "central wharf," whereat the Goodrich line of steamers daily land; and next, that which he came to see-the "Illinois Dry House Company's combined Offal Burner and Lumber Drier." In this, as in all their works, is seen the enterprise and liberality of the company. A mammoth structure, sitting on piles over the waving waters of the lake; its mighty furnaces, a youthful hell; its cloud reaching stack, a monument at once to its builders and to B. R. Hawley, the inventor and patentee of this system of drying, who has personally superintended this structure; and the whole constituting an instance of daring enterprise, even genius, to the like of which the progress of America is indebted.

Returning to the office, our reporter delved for further facts as fol-

lows:

R.—Mr. Mason, granting all you, the inventor and owners claim, for this drying enterprise, how valuable do you believe it to be to the lumber business generally?

Mr. M.—Sir, it will revolutionize it. It is the "Emancipation Proclamation," freeing the mill owners and manufacturers from their serf-dom to the commission men of Chicago and other sales centers.

R.—At what expense do you expect to be able to ship dry lumber as compared with your present ship

ments of green lumber?

Mr. M.—The owners of the patents claim that we can deliver lumber dry in Chicago, as cheaply as we now do,

direct from the saws.

I think it will add about the cost of once handeling. Perhaps I am mistaken. But the most valuable feature of this process, will be, that it will enable the manufacturer to sell, and ship by rail to interior dealers and consumers, thus receiving the price now paid to the yard men in Chicago. So far the present season, our west shore manufacturers, selling their lumber on the market at Chicago, have received practically nothing for stumpage, whatever of profit there may be, being absorbed by the commission men and dealers.

R.-How much more is dry lumber

worth than green?

Mr. M.—On an average about

\$3.00 per thousand.

R.—Then every mill owner and manufacturer must adopt this pro-

M. M.—Most certainly sir. They cannot afford to be without. For example, a dealer in Indianapolis desire to buy a quantity of lumber, say fencing. His freights would be \$40 per car from Muskegon. If he bought green lumber, he would load 6,000 feet on each car, freight per thousand \$6,66.

If he bought dry lumber he could load at least 10,000 feet—freight per thousand, \$4.00. Here then is a loss of \$2.66 per every 1,000 feet of lumber on freights alone, by rail. Hereafter we can afford to sell him this lumber dry, nearly, or quite, as cheap as we now can green, and we would sell as cheap to him as to the Chicago dealers. Suppose to-day he buys this same lumber, dry, of the Chicago dealer; this must be added to our price—

Therefore, you see, on every thousand feet of lumber, there is and has been in the past a loss of \$4.50, and this is a low estimate. Take six hundred million feet of lumber cut in these three counties of Muskegon, Ottawa and Kent, and your pencil will tell you that our annual loss has been \$2,700,000! And for the two and one-half billions which Michigan cut in 1873, you and your readers may make your own figures, it makes me sick!

R.—What is the annual cut of Muskegon and other points in Mich-

igan?

Mr M.-Muskegon county cut in 1873, at Muskegon, 329,988,825 feet; and at White Lake, 83,176,168 feet. Ottawa, an adjoining county, with Grand Haven for its outlet, cut 117,-535,000 feet. Kent the other adjoining county, with Grand Rapids for its business centre, and whose outlet is solely by railroad, cut 68,696,387 feet; these three adjoining counties, therefore, cut, in 1873, the grand total of 600,000,000 feet. Ludington cut 83,670,191 feet; Manistee, 183,-245,071 feet; Flint, 80,250,000; Saginaw, 619,867,021 feet; the "Shore District," from Saginaw north, 213,-490,265 feet; making, with minor localities, an aggregate for 1873, of nearly, or quite, two and one-half billion feet!

R.—Your statements and figures are astounding!

Mr. M.—This subject has still another valuable feature. It will induce the establishment of numerous wood-making manufactories at or near the mills, and thereby save great quartities of lumber, which now goes to waste, not being suitable for shipment—saving again by shipping the finished article instead of the rough material.

I have advocated the establishment here of a lumbermen's exchange, and of a local market for dry and faced lumber, but have never been able to secure the necessary co-operation. Now, the Mason Lumber Company will have a local market for dry lumber, and instead of laboring to make rich the middle men of Chicago and other sales centers, we will take good care that what profit there is between the pine stump and the consumer shall fall into rightful hands, at least so far as our pine stumps are concerned, and those rightful hands are the manufacturers and mill owners.

And, again, we will be thus fulfilling a fundamental law of political economy, namely, giving our product to the consumer, at the least possible cost to him, while securing suitable profits to the labor and capital we employ. Now, probably an average of \$5.00 per thousand feet is added to the price of lumber between the time it leaves the manufacturer and the time it reaches the consumer. This sum is made up of freights on the water in green lumber, which is about fifty per cent of its whole weight; commission, to middle men, and interest and insurance while piled in yards to dry. This is far too much, and aggregates an enormous loss annually to this industry.

PROPOSED LUMBER CONVENTION.

A convention of lumbermen similar to the one recently held at Williamsburg, Pa., is proposed to be held sometime in September at Chicago. A circular addressed to the lumbermen of the Northwest is being issued, asking their opinion of the proposed meeting, and requesting pledges of attendance. If this "feeler" is satisfactorily responded to, the Chicago Lumbermen's Board Trade will take immediate measures to render the gathering one of interest and profit to the great fraternity of the Northwestern states. That the idea will be greeted with favor by the mill-men of the northern and central Wisconsin, the Times doubts not .- Oshkosh Times.

THE PINE WOODS OF PENNSYLVANIA.

Lumber operators and consumers in this state are awakening to a knowledge of the important fact that the pine timber resources of Pennsylvania are not inexhaustible, as they have apparently long been considered. The state was once one of the leading pine producers in the The dense forests bordering the Susquehanna, and traversed by its many tributaries; the mountains of the Monongahela Valley, and in fact the tall and majestic trees that covered thickly much of the area of whole counties in the state, were a few years ago thought to contain pine enough to amply comply with the law of supply and demand for the present, and to furnish timber for a future however distant. That impression the march of events has thoroughly dispelled. The forests of the Delaware Valley have yielded no pine for years, and the resources of the timber regions of the Alleghany and Monongahela have been drawn upon so largely to supply the market of the Ohio Valley, that, in a comparatively short time, their pine forests will be exhausted. Eastern markets must, therefore, look to the counties of the northern part of the state for their supplies of Pennsylvania pine. Philadelphia and Baltimore have been amply furnished with this timber from the latter region for years, but an increasing demand from interior markets, and the inadequacy of the Monongahela and Alleghany countries to respond to it has awakened much alarm among the operators of the Susquehanna Valley, and they are earnestly considering means by which the recklessness of management and waste of timber, so notorious in the past, may be stopped, and the inevitable day, that is at best not distant, when pine lumbering will no longer be one of the great interests of Pennsylvania, postponed as long as possible,

that the coal regions, once famous The great question now agitating pine producing counties, cannot now the minds of operators is-How long supply enough to furnish timber for will our forests yield that amount? props for the mines. From supplying all home demands and exporting large quantities of pine, these counties have become importers, paying more per thousand for what they purchase than they obtained when selling the same product. northern counties of the state are now the only hope for the lumber operators of this state, supplying the counties named, the pine proeastern and interior markets. They are drained by the Susquehanna follow the Susquehanna River to River and its tributaries. By "east- market. It includes timber, farm, ern markets," operators do not speak of New York, as comparatively little Pennsylvania pine gets into that This is manufactured at mills in counties where the Erie Railway can transport the products to New York and intermediate markets. cheaper and safer than the lumber can be rafted on the Susquehanna. These mills, however, do not ship lumber to find a market, but only to fill orders. Much of the pine manufactured at these mills is contracted for by the Erie Railway Company, which consumes between 15,000,000 and 20,000,000 feet of lumber annually, much of it pine. But the markets which demand the products of the forests of the Susquehanna counties are principally those of Philadelphia and Baltimore, and the important intermediate points.

The principal pine-producing counties of Pennsylvania now are Lycoming, Potter, Cameron, Tioga, Elk, Clinton, Centre, and Clearfield. The amount annually cut in these counties, on the Susquehanna River and tributaries, for the past five years, has exceeded 500,000,000 feet. calculation, taken from estimates as nearly official as they can be obtained will clearly demonstrate how nearly the pine in that region is exhausted. It is admitted that the annual demand will continue to be as great as that of the past five years. This putation, sufficient evidence that

A significant and alarming fact is will amount to 2,500,000,000 feet. It is estimated (and it is a liberal estimate) that every acre of pine land in the above counties will yield at present 10,000 feet of pine. This would require 250,000 acres to produce the desired amount. The fol-The lowing is a careful compilation, madeby competent persons, of the number of acres of land in those portions of duced from which would naturally and barren land:

Lycoming,	 	800,000
Potter,		858,400
		188,880
Cameron,		400 000
Tioga,		276 480
Elk,		512 000
Clinton,	 	400,000
Contra	 	400,000
Clearfield,	 	784,000
Total,		
		3,719,560

To produce 2,500,000,000 feet of pine will require nearly one-fifteenth of this land. This amount does not exist, the most liberal estimates placing the number of actual pineproducing acres at one twenty-fifth of the above total amount. Some operators go so far as to declare that not one acre in fifty will produce 10,-000 feet of pine. Taking the liberal estimate, then, less than four years will exhaust the pine supply of the Susquehanna Valley, and the now, comparatively neglected hemlock will become the staple in the lumber trade of that section, as it has been for years in the Delaware region.

In a few years the great lumber marts of the East must necessarily depend entirely on the great forests of the West and the rapidily decreasing pine woods of the South for their pine. Are they inexhaustible? Is not the fact that the once mighty pine-producing State of Pennsylvania is so nearly bereft of this great source of wealth that the date of its exhaustion is so easy of certain comthere is no warrant of the statement that the resources of the available Western forests are endless? There is ample food for reflection on the importance of timber-culture in this country contained in these facts. There is no alarm for the present, it is true. But what of the future?—Correspondent of the N. Y. Tribune.

LUMBER IN MISSISSIPPI.

Mississippi, pre-eminently an agricultaral state, bids fair to yet rival Maine or Michigan as a lumber centre. There is no limit to the demand for lumber from abroad; there is no limit to our supply. All southern Mississippi, and extending far back into the interior, is one vast unbroken pine forest, whose wealth of timber has vet been scarcely tapped. correspondent has lately traveled the counties along the seacoast, which form a part of what is now generally spoken of as "the great lumber region of Mississippi," with the special purpose of noting the increase in this industry, the facilities for ship-When I say that three ping, etc. thousand miles of river, navigable for rafts, wind through this "great lumber region," some idea may be formed of its vast extent. At this place the Pascagoulariver debouches into the gulf; or, more properly, into the Mississippi sound. The Pascagoula and its tributaries, all navigable for rafts, drain all that section of country, from the Mobile and the Tombigbee on the east, and from near the Pearl on the west, and as far north as a county or two south of the Vicksburg and Meridan rail-The Pearl river, emptying into the sound near Bay St. Louis, drains Harrison, Pearl, Lawrence, Pike, and two or three other counties; and the Jordan and Wolf rivers, emptying into Bay St. Louis, extend for more than one hundred miles into the interior.

At Moss Point, some six miles

above this, at the junction of the Dog river with the Pascagoula, there are now in operation eighteen large saw mills; three or four below the point, and a few smaller ones higher up. From these mills the lumber is transported to the ships in the harbor upon schooners, which generally carry about 40,000 feet each trip. The average capacity of the exporting vessels is about 200,000 feet, or say of 200 tons, though some are as large as 450 tons. The Pascagoula harbor is considered the best on the coast. It is protected by Horn island, which lies off shore eight miles. Just inside of the island, vessels can load to the depth of eighteen feet, while vessels, drawing less than sixteen feet, can load within two miles of the shore. There are now several foreign vessels in port, loading for England and the continent.

To show the growth of the lumber business within the past year, I find that from this district (which includes both the ports of Shieldsboro and Pascagoula) that in January of this year there were 30 vessels cleared 18 for foreign ports-West Indies, Mexico, South America, England, Belgium, etc., and 12 for coastwise ports-New York, Philadelphia, etc. These vessels had a total tonnage of 7,945 tons, and carried from our shores 5,536,569 feet of lumber. February, March and April, there was cleared an average of 24 vessels each month. The lumber sells at the mills at an average of \$15 per M.

To still further give you an idea of what it will be in the future, I will copy from my notes some recent sales of lands in the lumber region. Mr. C. H. Shepherd, of Lansing, Mich., has purchased 40,000 acres in Hancock and Pearl counties, and located on the Pearl and Jordan rivers. Mr. J. D. Norton, and Mr. T. A. Flowers, of Pontiac, Mich., something over 40,000 acres, located on Black creek, a tributary to the Pascagoula. Some of these lands are in Lawrence and Copiah counties, on the Pearl; but

the Pascagoula. Mr. S. M. Wilcox, one of the heaviest land owners in on Pearl river, in Marion county. by Mr. S. M. Baldwin, of Chicago, Mississippi, purchasing and selling lands. He tells me that he has sold constantly. about 175,000 acres during that time. purchased 122,000 Mr. Baldwin acres from the famous Pearl River Navigation and Improvement company, and the rest from private parties. Messrs. Shepherd and Norton will immediately put their mills in operation.

Mr. Shepherd has another project on hand, of which you may have heard. He wishes to build a mill on Ship Island, where the largest vessels can be loaded directly from the mills, and thus save the expense of His timber will be lighterage. floated to him in rafts. Ship Island, you know, is property reserved to the government, and Mr. Shepherd is now in Washington, seeking the necessary authority to locate on the Island. For the benefit of western men, I must not neglect to mention some important facts in reference to this lumber region. The most of the timber is the large leaf yellow pine, the most valuable product of the forest the world over, and which is here found in greatest perfection, and in exhaustless abundance. These pine trees reach an altitude in many instances of more than 100 feet, without a crook or limb.

Another thing of importance; the forest fires never injure the timber as they do in Michigan and Maine; there is no undergrowth, and no "swamping" necessary. The soil is a coarse sand, or gravel, and no ruts are made by the wagons in hauling. The land is rolling, high and dry.

mostly in Marion county on black On Pearl river, cypress is also plenticreek. Mr. T. Hall, of Ann Arbor, ful, and there are numerous open-Mich., has purchased about 30,000 ings not only for saw mills, but for acres on the Pearl, the Jordon, and shingle machines, factories for making buckets, tubs, sash and blinds, chairs and furniture. There are Michigan, has bought 12,000 acres about twelve saw miles on Pearl river, the largest ones owned by Mr. These lands have mostly been sold Poitevant; six on Wolf river, and five on Jordon; about twenty on the who has spent the last two years in Pascagoula, and several other smaller streams, and the number is growing

I should have mentioned, also, that there are two shipyards at Pascagoula. I saw a beautiful \$28,000 schooner, just completed for a Mexican trader, lying gracefully out a few miles from shore. Both these yards have as much business as they do. At Moss Point, there is also a foundry, and quite a large one. Different from other sections of Mississippi, there are few lands for sale in the coast counties, though any quantities lie further back, and accessible, as I have stated, to the seacoast by the numerous inland streams. Mr. Baldwin informed me that his sales had been made at from 1.25 to 3.50 an acre. I hear of numerous tracts for sale, where the lumber would have to be hauled not more than from one to three miles, which can be bought at from \$1 to \$5 an acre, according to location. There are also large tracts of land which actual settlers can take up under the homestead act-160 acres, if I am not mistaken, to each head of a family. The land is generally, however, too poor for agricultural purposes, though for stock raising it is excellently adapted.—Correspondence of Vicksburg Journal.

Reports from Ludington are to the effect that lumbering will be engaged in more extensively and will be commenced earlier than common this fall, as the fires have rendered the cutting of some tracts necessary.

THE CONDITIONS AND PROSPECTS OF THE LUMBER TRADE.

The Toronto Monetary Times speaks as follows in an issue prior to the Ottawa convention:

The meeting at Ottawa of persons engaged in this business to consider the position and prospects of the trade will not take place one day too soon. For some time back cautious and farseeing lumbermen have been anticipating precisely what is now taking place, but there have been so many circumstances, apparently necessitating the getting out of logs year after year, that but little practical result has come of their forebodings. Men sometimes are driven by a tide of circumstances against their will and better judgment; and this has been the case to a surprising extent in this business. The banks have been ready enough for some years back to embark their funds in accounts connected with the trade, for they were profitable, and had generally been reasonably safe. They perhaps can scarcely be blamed for not taking broad and foreseeing views of the condition of the trade in general, for this is a confessedly difficult business except in times like the present, when the stagnation forces itself on the attention of everybody. Bankers generally look only to the safety of the particular transaction or credits offered to them, and leave their customers to the task of deciding upon the prospect of trade This is perhaps wise in in general. ordinary circumstances. And, in fact, such a rule even at a time like this would result in precisely the same line of policy of a consideration of the general condition of the trade. For if lumber and timber do not find remunerative sales, the customers of banks cannot repay the advances made to them. And if they do not repay old advances, they are not likely to meet much success in applying for new ones. We are thus brought exactly to the point which is

spoken of as desirable on general considerations, viz., that no fresh advances be made. This is now pressed upon the banks on all hands, and we think, without any pressure at all, the banks will adopt such a policy from simple banking considerations. They are likely to have their present advances hanging over for a long time to come, and with funds locked up and payments deferred to an indefinite period, it is extremely unlikely that they will encourage another winter's operations.

If the banks generally keep back granting fresh credits, the trade must be restricted to a very moderate compass; and with largely diminished production next winter, a better range of prices must prevail in the following spring. There is, of course, to be taken into account the probable course of the trade in Michigan, whose vast lumber resources have been dealt with for some years back as recklessly or our own. Enormous production has been taking place year after year, but we think the limit has been reached at length. The feeling there as to the necessity of diminishing is at least as strong as in Canada, and as timbered lands there are held in fee-simple, unfettered by any conditions of cutting a certain quantity in a certain time, the operations of lumbermen are likely to be more decisively and shortly brought to a stand than they are here.

The forthcoming convention may do much practical service if it be the means of disseminating information as to our lumber resources and the probable demands on them. There used to be an impression that our forests were practically unlimited. This has given away to another impression in some districts, viz., that they are near extinction. But this opinion has been expressed by some over and over again for many years back, and these very woods are still found to abound with timber. It

would be very desirable to have some such statistics, both of the supply and the demand. For there is one fact undoubtedly certain, viz., that the supply is diminishing every year. No new trees are growing to replace the old, at least not in any apprecible quantity, if reports are correct. We should, however, like to have some reliable information on this point. Are the trees now growing, and come to maturity, which will in a few years be ready to cut, and if so, to what extent? It is, we fancy, possible to perpetuate the supply of timber by wise conservation and fresh planting. In the great forests of Germany no trees can be cut down but such as have been marked by foresters in the service of the Government. And by systematic planting, carried on regularly year after year new nurseries of pine will constantly be produced, and new supplies of available timber, after the lapse of the necessary time for tress to come to maturity. It may be difficult to adopt such measures over so great an area as our forest regions cover (even the Ottawa Valley alone occupies some 80,000 square miles), but the convention would do well to consider the point, and adopt such recommendations as may be practicable.

It is lamentable to think of so valuable a table being entirely cut away, and there is doubtless very great danger of it if nothing is done to conserve and renew. Our forests produce as much as our farms. No one could view without the direct apprehension of some process going on by which the productive power of our farms would be destroyed. Yet this is what is taking place year after year with our forests. But because it is in the forest, hid away for the most part out of sight, and scarcely appreciated by many who are doing the work of destruction, it is apt to incite no apprehension. It is for a convention to bring facts to-

gether and put them in so forcible a shape that the country generally will appreciate them. And if so, we may depend upon it that a stronger feeling will be created, that the Governments of the respective Provinces will be compelled to take action.

THE HOOP TRADE.

The manufacture of black ash barrel hoops is quite an important industry in many localities where black ash timber abounds. In the Saginaw valley, Michigan, the business has assumed large proportions; not less than twenty-seven million hoops were manufactured in 1873 in the Saginaw valley—an increase over the amount produced in the same locality during 1872, of about two and one-half millions. The hoop trade of Wisconsin is trifling, compared with the same business in many other localities; yet black ash timber is abundant in different portions of the state. So little capital is required in the manufacture of hoops that there is nothing in the way of an early development of the industry in Wisconsin. A late number of the Lumberman's Gazette speaks of the trade in the Saginaw valley, as follows:

The hoop timber is cut all about in this region, where black ash abounds, and the hoops are manufactured on the ground and then hauled to the salt blocks. Of course the business will not compare in magnitude with our great industries; neither does it require the capital which is necessary to set up and run a saw mill or deal largely in pine lands. The hoop makers are men of limited means, and the business is another illustration of the almost infinite resources of this region—resources which invite alike the capitalist and

the poor man. Some figures regarding the hoop trade this year will prove of interest, perhaps. The operator paps from 50 cents to \$1.00 for the timber, black ash; he pays his men \$2.60 for manufacturing, or riving the hoops, and he sells them to the nearest customer who has a salt block for \$5.50 per thousand. This would leave him from \$1.50 to \$2.00 per thousand for his profit; but from this balance he has to pay for cutting the timber, that is, felling the trees, and for hauling it to the place of manufacture, and from thence to the customer. His net profit is thereby reduced to from \$1.00 to \$1.50 on the thousand. The black ash trees found in the vicinity yield from as few as 400 to as many as 7,000 hoops. Sometimes only one cut can be made from a tree, and sometimes there are two or three. In those tracts which have of late been run over by fire the black ash is still good, it being very easy to split off the injured portion on the outside, leaving the heart of the tree sound. A man will, as a good day's work, rive out 1,000 hoops from the logs furnished him on the ground. On an ordinary haul a team of horses will easily draw up in half a day the logs to make 10,000 hoops, and in the other half will deliver 20,000 hoops at a distance two or three times as great. About 10,000 hoops make a good load over an ordinary road. The season opened with the promise of no less than 1,000,000 hoops from Sebewaing alone, where they had been got out some time before. As before stated, however, the operators in this branch of industry are scattered pretty much all over this region, black ash being one of the commonest of hard woods.

The Bulletin estimates that there are at present in boom at Williamsport Pa., about 40,000,000 feet of logs.

Subscribe for The LUMBERMAN.

THE HEMLOCK EXTRACT BUSINESS.

We shall watch the operations of the Hemlock Extract Works recently established at Clintonville, Waupaca county, with a good deal of interest. The factory was recently completed at a cost of \$15,000, and is now manufacturing about 7,000 pounds of extract per day. The New London *Times* says:

"The capacity of this factory is 8,000 pounds of standard extract per day, and it employs inside about fifteen hands in the day time and two at night. When in full blast it will keep about 200 men at work peeling bark, thereby giving constant employment to at least 215 men. The extract is worth about three cents per pound at the mill. The demand for the extract much exceeds the supply, thereby making it a cash article, quickly sold. The liquid is mostly shipped to eastern markets where it is bought by tanners and there used, being cheaper than bark for tanning purposes in that part of the United States."

Gentlemen who have given this subject considerable attention, inform us that the greatest obstacle to to its success has heretofore been found in the fact that the liquid could not be preserved. An extract factory was established near this city a few years ago, but did not prove successful and was finally abandoned. The extract soured and fomented, bursting the casks before it could be got to market. It is now claimed, however, that this obstacle has been overcome. Should this prove to be the case, and the business prove remunerative, there is no better place in the west, to develop the business than on the line of the Central, west of this city, where there are almost inexhaustible hemlock forests .- Stevens Point Journal.

NAVAL STORES.

Commercial Products of the Yellow Pine— Manufacture of Turpentine, Rosin, Tar and Pitch.

From the American Grocer.

But few persons outside of manufacturers and dealers have any idea of what articles are comprised in the term Naval Stores. The uninitiated, no doubt, imagine that naval stores consist of mess pork, beef, ship's biscuit, common rum, and other articles used to provision vessels, while in reality the term applies exclusively to spirits of turpentine, rosin, tar and pitch. The name was given to them years ago, in the days of wooden vessels and hempen rigging, when pitch and tar were the principal articles of consumption, but since iron ships and wire rigging have come into general use the demand for these materials has fallen off to a very considerable extent, while the manufacture and sale of spirits of turpentine and rosin has increased in the same ratio. These articles are used extensively in the manufacture of paints, varnishes, pharmaceutical preparations, soaps and paper. We propose in this article to give a detailed account of their manufacture, and shall, in a subsequent paper, give a brief description of the uses to which they are put, with our opinion regarding the present and future of the naval store market.

Rosin and spirits of turpentine are made from the sap of the pitch and long leaf yellow pine trees (Pinus Australis and Pinus Rigida) found in North and South Carolina, Georgia, Florida and other southern states. A "box" or cup is cut in the tree nearly two feet from the ground, from 12 to 14 inches across, 61 deep, and 3 to 31 through the tree. This is done early in winter, and towards spring, when the sap begins to flow, the process of "cornering" takes place. This is to chip the bark from the tree at each corner of the "box." The face of the tree is then "chipped" or "hacked" regularly every week with a sharp steel instrument called a hacker, and the bark is cut so as to form a V, the narrow part pointing into the box. The gum then runs freely into the box, and is dipped out after every third or fourth chipping. Trees in some sections yield much more plentifully than in others, and the warmer the weather the more freely will they run. The further south they are located perfectly white rosin.

the earlier will the gum commence to flow and the later will it cease. For instance, the trees in Georgia and Florida commence to run before those in North and South Carolina, and the produce from the former states is always the first and last in market. At one time the crude turpentine (sap) was forwarded to the north for the purpose of distillation, but nearly every turpentine farmer has now his own still and manufactures on the spot. The process is very simple. The gum being collected as above described, is brought to the still and poured into a kettle, and undergoes the process of cook-The vapor which evaporates through the worm becomes spirits of turpentine, which is run off into barrels prepared with a lining of glue.

The residuum is rosin, which is let off, when all the spirits have been extracted, through a sluice at the foot of the kettle and passes through very fine brass wire strainers and cotton batting into a vat or bin. Great care is bestowed on the straining, as the slightest specks render the rosin of less value. It is then dipped from the bin while perfectly hot into barrels, which are headed up as soon as it is cool, and it is then ready for market.

There are thirteen different grades of rosin, and about thirty-two selections. A tree when first "boxed" yields what is called virgin turpentine, which, on being distilled, produces one barrel of spirits to four of rosin. This rosin is almost transparent and of a pure light-amber color. It commands the highest price in the market, and is bought almost exclusively by European soap-makers, who use it for transparent soaps. It is known in the trade as "Extra Pale" and "Windsor Glass." The color of the rosin deepens as the season advances, and the last dippings produce a rosin fully five grades lower than the first. The same tree can be worked for twelve or fourteen years, but each year the rosin becomes darker in color, and of less value, and the yield of spirits less. Trees in some sections will not yield a gum that produces a "Windsor Glass" rosin. In some parts of Florida, for instance, although the trees run as freely as in other states, the sap is thin and in cutting the box the heart has to be gone into much further than when the trees are more sappy. The heart contains what is termed fat lightwood and the gum lying in this becomes colored and does not produce a

Lumber dealers maintain that the durability of the timber is lessened after a tree has been worked for three years, but admit that is imposible to tell by examining the wood whether a tree has been tapped or not. It stands to reason, however, that, with the continued flow of the sap, the timber must loose some of its strength. The trees in North Carolina (the most northern state where the turpentine-producing pine is found) has been worked ever since it was a British colony, and this state still produces immense quantities of naval stores, but owing to the length of time that this business has been carried on there, there are but few trees near the lines of railroads or water-courses that have not been worked, and the finer grades of rosin are consequently only produced in North Carolina to a very limited extent. South Carolina, Georgia and Florida now snpply our markets with the better qualities of rosin. The production of naval stores is comparatively a new industry in the two last-named states, but it is increasing very rapidly, and owing to their summer season being longer than in the more northern states, and the trees being all virgin (untapped), the business is more profitable than in the Carolinas.

The manufacture of tar is very simple. A large kiln is built of light wood splinters of the turpentine-producing pine. When fired the tar flows into a gutter, and from thence into a pit, from which it is dipped into barrels. Pitch is made by boiling common rosin and tar together, one-third of the latter to two-thirds of the former.

New York is undoubtedly the best market for naval stores on this continent. Wilmington, N. C. comes second, and Charleston third. Several efforts have been made to make a market for naval stores in Savannah, but each has proved a failure. The experiment has been tried again this season, and several manufacturers in Georgia have been induced to sell their produce there; but there has been no competition among buyers, and the result has been that New York merchants have been enabled to buy in Savannah at low rates, and sell the goods at a very handsome profit in this market. Large quantities of naval stores were shipped to Europe last season from Wilmington and Charleston, and some from Fernandina, Fla., which is a port that is growing rapidly into importance as a naval store depot; but as there is generally so much more competition amongst

foreign vessels for freight in New York than in any other port in the United States, this is the better point to ship from, and naval stores can frequently be landed in Europe via New York at a much less cost than by direct shipment from the southern ports.

CURTAILMENT OF PRODUCTION.

From the Boston Lumber Trade.

The policy of reduction in the amount of logs to be got out and of lumber to be manufactured the ensuing season, has been determined on by the producers in nearly every region of timber and lumber production and supply in the United States and Canada. The question now is—will the policy be adhered to or be carried out so far as to be effective in its results? The Philadelphia Ledger says:

"It would be difficult to recall an instance in which all the members of a 'combination for the purpose of controlling supply and demand, and thereby controlling prices, have abided faithfully by their promises. The almost uniform result has been that such combinations fall assunder because of their inherent weakness."

The difficulty suggested in this paragraph is very much enhanced in the case of the lumber trade by the great area of territory to be covered and the large number of parties to be consulted and, if possible, to be not only brought to an agreement, but to be kept faithfully to its obligations. It seems to us that, while agreements, such as have been made at Ottawa, St. John and Clearfield, and will doubtless be made at other meetings of lumbermen to be held hereafter, will be useful and probably tolerably effective for the time, they will be only temporary, and in reference to the proposed curtailment of production, there will be uncertainty as to whether it is more or less than sufficient to meet the case. proposition to reduce next season's production, by one-half or two-thirds is made without reference to data,

only, but for a series of years, such a regulation of production relatively to the demand as will maintain a healthy condition of the business for the future, will be one of the most Association.

Taat it may be competent to the work, it must include in its membertrolled in the respect referred to, by be true largely of manufacturers, but also, those whose business is such that they can give accurate information combined with useful suggestions as to the distribution and sale of lumber. We claim then, that, at just this point of the regulation of production, a most useful class of members of the association would be the large operators in lumber, the wholesale dealers, and the commission merchants. The latter, by their advances on consignments, furnish a and not accumulate on their hands. They must have the same interest with the manufacturer in the quick returns of a regular and brisk trade, which can hardly exist with a constant over-production.

careful consideration, is this, that meeting with mere declamation on while this subject of diminished pro- this subject. It may be well that duction is one of the most important thorough preparation should be made now before the trade, and can be to bring the facts connected with the dealt with more effectively by the subject, bearing on the interests of association than under any other the trade, before the National Execneed thr most careful consideration, need not and should not take so much

but is the result of a mere estimate and no other topic, which can come which may or may not be correct. before the meeting at Saginaw, so To secure, in the most effective man- immediately and imperatively require ner, and not for the ensuing season full discussion, and a thoroughly digested plan of operations. work of the committee in statistics delayed somewhat by the necessity correspondence in reference to what facts and figures it would be desiraimportant functions of the National ble to include in questions, to be addressed to the trade, and to the best method of obtaining such facts performance of this most important and figures, is now well under way, but it is doubtful whether returns ship all parties in the trade, in all from circulars, addressed to the parts of the country, whose charactrade, will be returned before the ter, and the amount of whose busi- meeting of the trade, in sufficient ness enables them to give direction number to more than indicate what to the trade in their several localities. the work of the committee will be, as It should include, then, not only to its completeness and value to the those whose business may be con- trade. So with the work of the committees on inspection; in the brief the action of the association, as will period which has elapsed since their appointment, taken in connection with the season of the year, but little progress can have been made in their work.

The absorbing topic with many. who will attend the meeting will be that of the proposed Treaty of Reciprocity. We stated last week, our position on this question. We would now suggest that, important as this subject is at the present moment, it is not one of the great and permannent matters of interest of which large part of the running capital of the National Association should take the mills, and it is for their interest charge, in behalf of the trade. In a that stocks should be handled quickly few months the treaty, in its present form or modified, will receive or fail of ratification, and, in either case, the matter will be settled. It is worthy of consideration, whether with the minds of members of the trade fully made up on the subject, it is Another suggestion, worthy of desirable to occupy the time of the auspices, it is yet one which will utive and congress. This, however, terfere with the proper disposition of certain portions of the streams at a matters of permanent interest to the fixed rate per thousand feet would trade, and the full inauguration of a be a quick and thorough method of successful career to the National Association. We propose to recur to this subject at a future time.

LOGS AND LOGGERS.

From the Clark County Republican

According to estimates by wellposted parties, there are now over two hundred million feet of logs in Black River and it tributaries. Loggers would make more money by making some effort to get these logs to market than by cutting new timber to put in. At the mouth of the East Fork are acres of logs; in some places piled up eight and ten feet deep. So, to a great extent, with the entire length of the stream. There are few places on the river where a man cannot stand and count hundreds of logs. It seems like sheer waste to allow a million dollars' worth of logs to lie on the banks and rot while the owners pay interest on the money in them. Conceding money to be worth ten per cent., every logger who is a borrower (and most of them are) is losing twentyfive per cent. of the value of his logs. We figure it thus: he is paying ten per cent. for money; he could lend the money for ten per cent. if he had it, and the logs depreciate in value at least five per cent. every year. little united effort would take every log to market next spring, or perhaps this fall, which would make a vast improvement in business in this region. Even if the prices are low, it is better to get these old logs out. Some complain that logging don't pay; if conducted in this manner there is no wonder. Timber uncut in the woods will grow; on the banks of the creeks and rivers it will rot. We don't pretend to know much about logging, but place our theory against prevalent practice. To let

of the time of the meeting as to in- contracts to various parties to clear doing the work, and each logger should be willing to help others while he helps himself.

> THE WISCONSIN LUMBERMAN makes our friend G. W. King, of Humbird, say some very queer things which he certainly never authorized. For instance, he is made to say: "If the cut on the Black River and its tributaries should continue as large for the next three seasons as it has for the past two, the pinery of the Black River Valley would be virtually exhausted." Now Mr. King is a man too well posted to make so wild a statement as that, and too honest to willfully attempt to mislead the editors of the Lumberman. What he did say, as he informs us, was that "if the cut on Black river and its tributaries should continue for three years to come as heavy as it was two years ago last winter, Black river would cease to furnish logs for the Mississippi market." We think this estimate a little wild, but are unprepared to say it is unfounded. Our opinion is that ten years hence there will be a great amount of timber yet standing in these pineries, which will seek a down-river market. Were all the pine to be cut within three years, there would not likely be water enough in the river the succeeding three years, to carry the logs We can readily agree with Mr. King's statement that "there are now logs enough in the Black river and its tributaries to supply a proper demand from that stream during the next year." Also that "the amount of lumber and logs already cut for the Mississippi market is all sufficient to meet the demand of that market far into the next season, notwithstanding the supply is far short of the amount upon the market in 1873." That the supply of logs and

lumber far exceeds a healthy demand is a patent fact. A favorable condition of the lumber market cannot reasonably be hoped for until the manufacture is curtailed. The markets are overstocked; there is not sufficient money in the country to buy it. The demand is doubtless increasing annually, but the state of financial affairs will not permit consumers to buy as much as they need.

—Clark Co. Republican.

AN IMMENSE MILL SALE.

A Company Owning Half the Pine in Brown County.

From the Green Bay Advocate.

On Saturday last a bargain was concluded by which Anton Klaus, John Peters, Geo. Olsen and Chester Winans purchased the entire property on the Little Suamico River of Conn, Gardner & Co. The new firm is to be known as Klaus, Peters & Co. The sale includes the mill, store, boarding house, dwelling of Mr. Conn, tank and all other buildings of the late firm at Little Suamico, together with railroad track, cars, the steam-tug Coaster, over 5,000,000 feet of logs in the boom, and 12,000 acres of land, on which it is estimated there are now standing from 75,000,000 to 90,000,000 feet of pine timber; and also includes 6,500,000 shingles. A rough inventory of the property which may vary a few thousand dollars either way foots up one hundred and ninety-six thousand nine hundred and two dollars (\$196,902.) The property has a mile trontage on the Little Suamico and the bay, and a mile frontage on the C. & N. W. Railway. The property is in Oconto and Brown counties. and we understand comprises at least half of the available pine in Brown County. The sale is therefore a highly important one. The mill is very complete, and the best thing we can say of it is that one of its late proprietors, Mr. A. C. Conn, has made a fortune out of it. One of its peculiarities, which we have described before, but it will do no hurt to mention again, is the manner of protection against fire. Near the mill is a large brick building in tne top of which is the largest water tank in the state. The bottom of the tank is as high as the mill, and there are numerous openings in the bottom, with hose attached, so that should the mill or any other building take fire, abundant water can be turned upon it in a few moments. An engine pumps the water and forces it into the tank. This apparatus is surer protection than the best of the fire insurance companies and it does nt take many annual premiums to pay for it.

With this sale, we probably lose from this section one of our best and most highly respected residents, Mr. A. C. Conn, whose interests are now concentrated in Florida, where he is a partner in a heavy lumbering firm. We are sorry to lose him but wish him abundant suc-

cess in his new field.

THE CHAMPION SHOW-CASE MANUFACTURER.

He is Mr. William Strueder of 249 and 251 Lake street. During the comparatively dull months Mr. Strueder has been running all hands and piling up a splendid stock of nis very choicest work. His trade, however, has been steadily increasing and extending upon orders from all parts of Wisconsin, Minnesota and Iowa. The constant addition of new business firms and new structures in Milwaukee has kept Mr. Strueder busy. The reputation of his work brings him considerable trade also frcm Chicago. As an evidence of the growth of our famous neighbor Waukesha, we may mention that Mr. Strueder is supplying Mr. C. A. Estberg, the popular jeweller of that place, and Messrs. Sonner Bros., druggists, with some of his costliest productions.

Shawano.—The Journal announces the arrival there of the Messrs. Thorlacksen, father and son, of Iceland, who are there to look up a suitable tract of land for a colony of about a thousand Icelanders, who are seeking a home in this country. They are particularly pleased with the towns of Washington and Green Valley in that country.

The Menasha Press, not more handsomely than truly says: Hon. M. Wadleigh, of Stevens Point, is in the city. The state of Wisconsin never furnished breath for a more upright, genial gentleman, than Matt. Wadleigh.

THE LUMBERMENS' CONVENTION AT OTTAWA.

The committee appointed at the lumbermens' convention held at Ottawa City, Canada, to draft a constitution and by-laws for the government of a permanent associotion, reported as follows:

DRAFT OF CONSTITUTION.

ARTICLE I.—The name of the assosiation shall be, " " and its meetings shall be held at the City of Ottawa, where its domicile shall be.

ART. II .- The affairs of the association shall be conducted by a president, vice president, secretary, treasurer, and an executive committee of thirteen members, (besides .he president and vice president) who shall be ex officio members. Seven shall form a quo-rum. All the said officers to be chosen by the association at its present session, and to hold office until the first regular annual election shall take place. The committee to meet at least four times a year, and so often as duly called together.

ART. III .- No person shall be eligible as a member of the association, except such as are engaged in the manufacture of lumber or timber of any kind, round, hewn, or sawed, or who may be the owner of timber lands or limits, and such persons may become members on applicationn in writing to the secretary, and obtaining the approval of the executive committee, and every member shall pap an entrance fee of \$10.

ART. IV.—The treasurer of this association shall give a bond, payable to the president thereof, for the safe keeding and honest disborsement of such funds as may come into his possession for the association, said bond to be satisfactory, in amount and sureties, to the executive committee.

ART. V .-- All disbursements by the treasurer shall be by order of the executive com-

ART. VI .- The election of officers of the association hereafter, shall be at the annual meetings of the association, the first of which shall be on the first Wednesday in August, 1875, or such other day as shall be determined by the legislature.

ART. VII .- The president, if present, and in his absence the vice-president, shall preside at all meetings of the association and of the executive committee, and shall, at the request of three or more members of the executive committee, call extra meetings of the association and executive committee. In the absence of the president, or vice-president, a chairman shall be chosen who shall, to all intents and purposes, possess the same powers as the president or vice president of the association.

ART. VIII.-The executive committee shall have power to appoint a corresponding secretary of the association in any such city or lumber district in Canada, as may be deemed expedient, whose duty shall be to correspond upon matter appertaining to the interests of the association, with the secretaay of the association, and shall have power to change such appointment in their discretion.

ART. IX.—It shall be the duty of the ex-

ecutive committee to keep a true record of all their proceedings, and to make annual, and wnen necessary, ad interim reports of all such information as may have been procured during the year.

The committee recommended that the association be incorporated at the next session of the Dominion parliament, and that the necessary steps to that end be taken by the executive committee.

They also recommended that a committee be appointed before the close of this meeting, to investigate and report fully with regard to the best practicable means of bringing the supply of timber and lumber into accord with the demand, and to check the waste of the valuable raw material that now goes on by excessive production.

Your committee would beg to add, that before adjourning they listened to an expression of opinion from each individual member of the committee as to the remedy to be applied, to relieve the present depressed state of the markets, both in the United States and in Quebec, and they were unanimous in opinion that the exigency of the situation demands that the production for the remainder of the present season, and the ensuing winter should be reduced to the lowest possible point; and that with a view to this they declared themselves into an agreement to reduce, by one half, their usual production, either by shutting down their mills or curtailing their operacions in the woods. This to apply to the manufacture of square timber as well as to lumber. All which is respectfully submitted. A. H. CAMPBELL, Chairman.

The chairman of the committee followed the presentation of the report with remarks that are well worth quoting in full. Mr. Campbell said:

He could not add anything to the report as to what should be done to relieve the markets. The depression was felt not only in one branch of the trade but in every kind of lumbering. Even within the last week there has been a change. Higher grades of lumber that had maintained their prices until lately and relieved the mill owners from their loss on coarse lumbler, had been reduced and this last support had been swept away. It would be admitted by all that some step was nec-It had long been felt that essarv. an association of this kind was a necessity, and he thought the meeting in committee would be a benefit. doubt, Ottawa being the great centre of the lumber trade of this country, it should be the place where the annual meetings of the association He thought that should be held. the feeling in the west was perfectly unanimous that the only mode of fall. meeting the present difficulty was by It was a wellreducing the supply. known fact that supply must wait on demand, or prices would fall. The question was, how is that reduction to be made; how is supply to be brought down so as to meet the demand? In a country like this, where limits stretched over hundreds of miles, it was quite evident that individual efforts could not have any effect on the United States markets; it was only by making a combined effort that the Canadian lumbermen could make themselves felt. It was useless for the people of Peterboro to say that they would reduce their operations one-half unless it was agree to by the lumbermen in all the other districts. They were all satisfied that there was an over-production, not only in Canada, but all over the United States, and it was only exceptional circumstances that prevented a general crash. It was only throwing away their lumber to send it down to Albany at present He would be ashamed to give some of the late quotations. They all knew that the lumber trade was one of the back bones of the ·country; the other was agriculture. He thought the lumber trade brought even a larger sum of money into the country than agriculture, yet the lumber interests were almost ignored in parliament. It seemed to be a popular idea that lumbermen were either wealthy or they were making

their fortunes and were a fair sort of game for all who could make any-(Laughter and thing out of them. applause.) Union was strength, and they should make up their minds to work honestly and heartily together, sinking individual interests to a certain extent for the benefit of the whole trade. He thought the basis on which the St. John lumber exchange worked would meet the requirements of this association in the He would suggest anmeantime. other meeting should be held in the If they had one in September everybody who was at this meeting would be prepared to state decidedly what he proposed to do during They would then have the winter. statistics on which they could base their calculations. The could ascertain what lumber was on hand, what amount was going forward in the spring, what was to be taken out, and thus get an idea of the excess over the probable demand. He was confident they plause.) would come to the conclusion that if they all acted together they would find that there was more profit in taking out one-half, or even onequarter the present amount with a good market, than what they were now doing with the market glutted. HON. JAS. SKEAD

said many persons present would know that he was an ardent advocate of this movement for years past. He hoped this association would not collapse like the one established He referred to fourteen years ago. the Williamsport convention as an instance of the benefit accruing from such associations and introduced Mr. H. Symomds of the Boston Lumber Trade, the originator of the National Association of Lumbermen of the He wished to have United States. it understood that their meeting was not for the purpose of forming any lumber "ring," their object being simply to benefit the whole trade. The pine forests were being cut down and the timber sent out of the coun-

try without any return for it, and the timber was not growing to supply its place. He thought an organization would be able to adopt measures to prevent waste of timber. He was glad to see the representatives of the banks present. They had supplied money to the lumbermen with a lavish hand; the result was that our great river—the third largest in the world—was now almost too small to accommodate the trade. He did not believe the mills would shut down now, but every mill owner should curtail his operations as much as possible. He thought that by reducing the amount of lumber they could raise its value from \$4 to \$6 per M., and have a better profit on one half the amount of lumber. If they did not adopt some such measure, it would end in the bankruptcy of the trade. (Applause.)

BASE OF REDUCTION.

A committee was appointed to draw up a basis for the reduction of operations during the ensuing winter, with an agreement for the signatures of the members of the association, to be submitted to this afternoon's meeting. The association then adjourned until 2 p. m.

PROVISIONAL OFFICERR.

President—Hon. John Hamilton, Hawkesbury; Vice-president —Mr. Perley, Ottawa; Treasurer—Mr. Cunningham.

EYECUTIVE COMMITTEE.

Mr. Boyd, Bobcaygeon; Mr. J. M. Currier, Ottawa; Mr. Campbell, Peterboro; Mr. Jas. Little, Montreal; Mr. Smith, Toronto; Mr. James McLaren, Buckingham; Mr. A. H.Baldwin, Ottawa; Mr. Mather, Gatineau Mills; Mr. Fraser, Westmeath; Mr. Hilliard, Pakenham; Mr. Cook, Hon. Jas. Skead, Ottawa; Mr. P. White, M. P. Pembroke.

We omit a large portion of the details of the business of the convention (as we find them in the Ottawa Daily Citizen) and proceed to give the remarks of Mr. Little—one of the oldest lumbermen of Canada—on the subject of the "Timber Supply." Mr. Little said:

The "Timber Supply" question is one of the most important that could engage the attention, not only of the people of Canada, but of the whole continent of North America. It is to us and the people of the United States what the question of the coal supply might be to Great Britain, if on the eve of exhaustion. But confining our inquiries, for the present, to that description of wood which is the most generally used and the most indispensable, namely, the white pine, (known in England as yellow pine) in the preparation of which for market, it is painful to reflect, that notwithstanding the extent of the forests yielding that wood, both in the United States and Canada, it is now satisfactorily ascertained that they will not be able to afford a supply for more than from twelve to fifteen years at the utmost, at the present rate of consumption, even without taking into account the large yearly increasing demand which must arise when a million of consumers is annually added to the population, and which must shorten the time of total exhaustion. Notwithstanding all this, the most excessive waste is recklessly going on, as if the sources of supply were inexhaustible, or as if there was some way of reproducing it independent of natural growth, or a certainty of finding some other material equally valuable to take its place when gone. This product, the white pine, being that in which the lumbermen on the Ottawa are most interested, I would ask their attention while I point out on the map where that material, with the extent of its supply, is at the present time to be found, both in the United States and Canada. And beginning with the most eastern state of the union, the state of Maine, which was once designated

THE "PINE TREE STATE."

I have it from the best authority that five hundred millions of feet. inch measure, or about a third of a year's production of Canada, would exhaust every foot in that state. The other New England states, comprising New Hampshire, Vermont, Massachusetts, Connecticut and Rhode Island, with the middle states of New York, New Jersey, Delaware, Maryland, Pennsylvania, Ohio and Indianna, which were at one time dense forests, and most of which within a few years past possessed large tracts of the finest pine timber, are now-Pennsylvania alone excepted-almost destitute of wood, and are at the present time sawing up all descriptions of timber, stripping the portion reserved by the farmers for fuel, which they will also soon entirely exhaust, New York alone sawing up four times as much of those descriptions and spruce as the whole of the Ottawa valley does of pine.

PENNSYLVANIA,

which at one time would compare favorably with the best producing sections of the union, as regards both the extent and quality of its pine, is now within a few years of being entirely stripped of that product. The lumbermen of the timber region of that state, in a recent circular, say, that on a careful estimate of the area of pine timber lands, and the average yield of lumber per acre, they have reached the alarming conclusion, that three years' stocking at five hundred millions per year, would entirely exhaust the pine timber now standing. These five hundred millions of feet of pine, sawed by that state in a year, are about as much as all descriptions of lumber that reach the Albany market for distribution all over the southern section of the states of New York and New Jersey, including the cities, and what is up in the short time of from twelve

otherwise used up and exported. The whole product of Pennsylvania, according to the congressional returns, amounted in 1870 to one thousand six hundred and twenty-nine millions of sawed lumber of all kinds, or more than the whole lumber product of the dominion of Canada, including timber, and three times as much as reaches Albany from all quarters, and of all descriptions.

TURNING NOW TO THE SOUTHERN STATES, we find no white pine except in West Virginia, which may have in its mountain regions about as much as Pennsylvania; but, whatever its extent, it will all be required to supply that and the neighboring states, which it can only do for a limited number of years. The other states have pitch pine and cyprus, which although valuable woods, cannot well take the place of white pine.

We now come to the states and territories west and northwest to the Rocky Mountains, where we find New Mexico, Colorado, Kansas, Nebraska, Dacotah, Eastern Montana, Illinois, Iowa, most of Missouri, that part of Minnesota west of the Mississippi, and the southern part of Wisconsin, all chiefly prairie and an almost treeless territory. The whole western world, as it might be called, together with Ohio and Indiana, are now mainly dependent on the small amount of white pine remaining in the state of Michigan and the northern portions of Wisconsin and Minnesota, the whole of which you might cover with your hand on Monk's large map of the United States.

MICHIGAN,

which stands at the head of the pineproducing states, is estimated to have an area of three and a half millions of acres of pine timber territory; and as they claim to be yearly stripping from two hundred and fifty to three hundred thousand acres, it follows that their hitherto supposed inexhaustible supply will be totally used

to fifteen years, and this without asking for an additional foot to the present production, as their quota for the many millions of people who will nave poured into the west within that that time, or that of other states which will long before have exhausted their own resources. Wisconsin and Minnesota which together have about as much pine timber as Michigan, are rapidly stripping their territory, and will, it is believed, be as short lived as Michigan; besides, the cost of transportation from those sections must cut them out, and exclude them from competition with you in the eastern markets.

On the Pacific side there are

WASHINGTON AND OREGON,

which alone have timber to spare, and which they are now distributing to the south along the whole western coast of North and South America, the states of California and Nevada having only about one-fifth part timber, or an amount hardly sufficient for their own requirements and those of the neighboring territory of Idaho, Utah and Arizona, which are comparatively treeless. But the Pacific slope whether in the United States or the Dominion of Canada, no matter what extent of timber territory it contains, will never send a foot of it to the eastern seaboard, so long as any is to be found in the north of Europe, from which it can be freighted at one-third the cost.

Having now gone over the states and territories of the United States, we will proceed to take a glance at Canada, which is supposed by some to be all but an endless unbroken forest. The London (Eng.) Standard, after a vain search for supplies in the north of Europe, says:-"We should fix our attention of British North America, which, notwithstanding the drain upon other parts of them, conferred from its title would be in some measure posted on the subject, says:

"AS TO BRITISH NORTH AMERICA,

no one can form anything like an accurate estimate of the enormous wealth of timber comparatively neglected, and yet is dear in our market. It is computed at a guess that there are about nine hundred millions (900,0000,000) of acres in British North America occupied by timber trees, or more than the extent of Great Britain a dozen times over."

Another writer says, with reference to the rapid demolition of the forests in Scandinavia: "I do not think there is any great reason for anxiety and alarm, as we can but resort to the American markets for our supply of timber." And again another gentleman equally well posted on the subject says: "If this corner of Europe give us the annual supply, what rate of consumption will the mighty and interminable forests of America give, which will endure from age to age without the likelihood of appreciable diminution?" All this valuable information regarding the American supplyI found paraded in the English papers during my few weeks stay there, and it may be they are yet hugging the delusion. No doubt they will be much astonished when they find the United States competing with them in whatever markets they will be drawing their supplies from; but this they will be forced to do before many years roll round, and Canada will not be long after them.

Turning over the investigation of

THE CANADIAN SUPPLY

commencing on the Pacific side, British Columbia has, it is believed, a fair supply of pine and other commercial timber, chiefly in the valleys formed by the range of mountains nighest the sea coast; but whether much or little, it is so far away that tain sufficient supply for the most it would not cost a third as much to exacting populations of the earth for freight it from Europe as from that centuries," and the Building News of province. East of the Rocky Mounthe same city, which it might be in- tains we find timber on the rivers of the wild north land which enter into the Arctic Ocean. Then we come to the Saskatchewau Valley, with an extent of country principally prairie, large enough it is said to make a dozen of states the size of New York, but the great drawback to its settlement, as there will also be the prairie states of the American Union, when Michigan, Wisconsin and Minnesota are exhausted, will be the want of timbers: and if this country is ever settled, its supplies must be drawn from British Columbia or the Peace river country, which will tax the Canadian Pacific railway to its utmost capacity. Next

THE PROVINCE OF MANITOBA,

without timber to any extent of any description, except what little may be found on the Canadian portion of the Red river and the Lake of the Woods. Now come to the rocky and barren district north of Lakes Huron and Superior, where we reach the province of Ontario. This was not long since a magnificont forest country, probably unsurpassed on the face of the globe in its wealth of timber, and especially that of the best description of white pine, in which it abounded. That section drained by the streams which empty into Lake Erie, I am sure I would not be far wrong in asserting, had pine timber enough on it to pay the debt of the Dominion, if it had remained untouched until the present day. It is now all but gone, and with it the oak, walnut, ash, elm, and whitewood, and very little of these valuable woods can now be found west of the northern railway, which runs from Toronto to Collingwood, on Georgian Bay.

They have for some time been importing lumber at London and all west of it, from Port Huron in Mich. and the Georgian Bay.

THE MUSKOKA COUNTRY,

which was recently opened up to settlement, is rapidly undergoing the same process of denudation, and will soon come to the end of its supply

That section, with all the pine on Georgian Bay up to Sault St. Marie, would not give one year's supply equal to that of Michigan alone. In fact, it would be a wise measure if itcompel the could be enforced to whole of the province west of the Water Shed of the Ottawa, to preserve the timber now remaining for their own use. We now come toyour own Ottawa Valley, which is the only pine timber territory within the Dominion worthy of consideration in discussing the question; and although pretty well posted as to the extent of its supply, I will leave that question to those engaged here in the trade. But the question arises, how long can it stand the drain on it for the European markets, the markets. of South America, and the consumption of the province itself? This is a question which every one in the trade should consider; and more especially in view of the fact that we will soon be called on to double, treble, and quadruple our production. for the American market.

IT IS NOT THE PINE ALONE

we will be required to make good, but the thousands of millions of feet of other descriptions they are now using, and which in a few years they will have totally extinguished. It is clear that husbanding your resources to the greatest extent would be a wiser policy for you to pursue than working and worrying yourselves to death in the vain endeavor to make money by excessive production, entailing only a rapid decline in prices. and an absence of purchasers; whereas a short supply will always bring commission men as buyers to your yards, and ensure profitable returns. -saving at the same time much or most of the valuable product Canada possesses, and which, when once gone, can never be reproduced by any efforts you could make to that end. It is believed you have now stock enough for another season without getting out another log; and

if you adopt this course you will find the benefit of it in four-fold profits. The matter is altogether in your own hands, as no other section of Canada can compete with you to any appreciable extent; and Michigan alone in the states can only enter the eastern markets with you in the upper grades of lumber, but which must be at a much higher rate for transportation.

The only pine territory now re-

maining to be noticed, is

THE ST. MAURICE DISTRICT,

which, although having some sections comparatively untouched, does not possess one fourth the amount of timber yet remaining on the Ottawa. No square timber is brought down that stream; and the whole lumber manufactured there does not amount to over forty million a year, a great part of the logs going to Quebec, where they are manufactured for the

foreign market.

These two streams, the Ottawa and St. Maurice, with their tributaries, comprise nine-tenths of the pine timber in the Dominion of Canada this side of the boundless prairies of the far west, and if not wasted and thrown away, as has been too much the case hitherto, will in a few years possess a value standing in the forests for the American market, equal to what the same description of timber would have if standing in the neighborhood of London, Liverpool or Glasgow, for their respective markets.

BRITAIN CAN SUPPLY HERSELF

with such stuff as the north of Europe affords cheaper than the United States, which in less than a dozen years from now will have to look to that quarter for supplies if then to be found there, which is very questionable; and in that time you will not have a well-timbered acre of good pine that will not be worth five hundred dollars standing in the forests, if at all accessible and convenient to get out the timber.

I would now offer a few observations on the spruce supply, a description of wood which ranks next to pine in the amount of consumption, and enters into competition with the lower grades of that product to a very considerable extent. The spruce supply in Canada is confined chiefly to the valley of the St. Lawrence below Montreal, the eastern townships, Nova Scotia and New Brunswick. The latter province hitherto affording the largest supply both for the

ENGLISH AND AMERICAN MARKETS

it is to be presumed they are 'well posted with regard to its extent, which, with pine, has been one of the greatest sources of wealth that province has long enjoyed. I will here quote what the St. John (New Brunswick) Telegraph says on that subject in a recent issue: "The increasing scarcity of timber adjacent the sea and to the navigable rivers has within a few years become a subject of great moment to the inhabitants of this province. Until recently some of our people have been accustomed to look upon our spruce and pine trees as an incumbrance to the land and unworthy the cost of protection. The public however think differently now, since they find that more than one-half of the best timber lands in New Brunswick have been utterly destroyed by the axe, winds and fire, while nine-tenths of the remainder have been worked on so much that they have been largely deprived of their most valuable soft Here we have the condition of things in regard to timber in New Brunswick; and yet we find they are slaughtering away at what is left, keeping the home and American markets

GLUTTED WITH SPRUCE LUMBER

and not receiving a cent for the raw material, and tugging and striving with all their might to get rid of it, which, from the appearance of things they will very soon accomplish. A few more years will, however, bring them to their senses, when they are forced to become importers of the same description of material they

now so recklessly waste.

The only spruce timber they have on the other side of the line for exportation is to be found in the state of Maine, and the Adirondack region in the state of New York, which latter is the great reservoir for the supply of the Hudson river; and the reservation of a tract for that purpose is strongly urged on the government of the state; but if this is effected one of the great sources of supply will be cut off. When I stated in my letters on the timber question, that they were cutting their spruce timber in May as small as six inches in diameter, the size of a small stove-pipe, it could hardly be credited that so shrewd and calculating a people would be so wasteful of so valuable a product. What I then stated, however, is fully borne out by the observing editorial correspondent of the Montreal Gazette, who recently passed through that state.

IN SPEAKING OF BANGOR

as one of the great lumbering points in Maine, he says: "What, however, strikes all, as at different intervals we catch glimpses from the train of the mill ponds, is the character of the logs which are being cut up into lumber. As a general rule they are spruce logs from five to fifteen inches at the but, bgt not averaging on the whole more than about six or seven inches. Here and there a pine log, or a small pond of them carefully boomed in, afford the evidences of the departed relics of the forest. Even these are small logs compared with what is the average class about a mill on the Ottawa or the Trent. The truth is that the lumber of Maine is well nigh exhausted, the victim of

THAT MOST RECKLESS SYSTEM OF WASTE which has everywhere on the continent characterized this industry."

And now I ask you to reflect on next decade. In Williamsport, Pennthe position the United States will sylvania, the price of lands ranges be placed in, and what the value of from fifty to eighty dollars per acre.

pine timber land will be in Canada, when it will require double the sailing tonnage of Europe and America to freight their present consumption of all woods from the Pacific? that time is not distant; but no preparation whatever is being made by them for the alleviation of so terrible a calamity; but, on the contrary they are clamoring against reciprocity in some sections where the home supply is all but exhausted, and in others where they are cutting down their timber for the saw mills as small as scaffolding poles. Giving a bonus for the introduction of a supply from Canada would surely be a wiser policy for them to pursue. Let them, however, slash away; they will soon get rid of the trouble of doing so; and you, should you be fortunate enough to have any timber then left, will be in a position to reap the advantages arising from their excessive folly in this respect. this you can only hope to do by not following

THEIR WASTEFUL AND RUINOUS EXAMPLE.

In concluding the subject I would here present you with a few extracts from American papers with reference to the rise in value of pine timber lands. The following is from the St. Louis Democrat of January, 1873, headed: "Pine Lands."

The immense and constantly increasing amounts of pine lumber annually produced and required by the country, is causing a steady and heavy advance in pine lands. The general government has long since parted with all its valuable lands, which are being concentrated rapidly in the hands of large corporations and wealthy individuals. As necessity compels lumbermen to seek them . for immediate use, large advances in price are occuring, and all signs seem to point to the fact that their values must increase many times during the next decade. In Williamsport, Pennsylvania, the price of lands ranges

In Maine, forty-five to one hundred and twenty dollars per acre; in Michigan fifteen to fifty dollars per acre; in Wisconsin and Minnesota from ten to thirty dollars per acre.

These figures for round lots are some portions of Ontario, as may be seen from the fact that the standing pine timber on seventy acres of land in the county of Brant, which was offered to me at six hundred dollars only eight years ago, has been re-

EQUAL TO A WINTER'S LOGGING JOB.

The following is from the Manistee,

(Mich.) Standard:

Some idea of the value of pine land in this state, where the land is so situated that the pine is close to market and easy of access, may be had from a sale of forty acres of such land in the town of Sparta, Kent county, a few weeks ago; an estimate of the pine was made; the west quarter of the forty was called worth nine hundred dollars; the second quarter one thousand dollars; the third quarter twelve hundred; and the fourth, or east quarter, fourteen hundred; making the value of the whole, forty-five hundred dollars, or \$112.50 per acre.

The following is from the Michigan Lumberman:

Wisconsin is one of the best timbered states in the union, and is located between Michigan and Minnesota, the two other best timbered states. The whole country of the southern, middle and western states was, but a few generations back, one vast dense forest, embracing most all the varieties of valuable timber known to man; and yet so valuable is timbered land in Wisconsin, that right in the midst of her dense forests on Wolf river, Oconto county, six hundred and forty acres of the timbered land were lately sold by the Hon. Philetus Sawyer to Lynch, and associates of Oshkosh, for the sum of fifty thousand dollars (\$50,000) or very nearly eighty dollars an acre. Good agricultural land in the vicinity of this sale, but devoid of timber, is estimated to be worth only about ten to fifteen dollars per acre.

THE SCARCITY OF PINE TIMBER

is even now being seriously felt in

seen from the fact that the standing pine timber on seventy acres of land in the county of Brant, which was offered to me at six hundred dollars only eight years ago, has been recently sold for eleven thousand dollars, or an average of over one hundred and fifty dollars per acre. And in the township of Walsingham, county of Norfolk, which was twenty years ago the best timbered township in Canada, a lot of land, having about ninety acres of timber, was sold for twelve thousand dollars, or at the rate of over one hundred and thirty dollors per acre; and patches of pine timber, which were reserved by farmers in the county of York, have been sold at from \$200 to \$300 per acre. Now when pine timber in some sections commands such prices, what may we not expect to be the value of this wood when a scarcity exists on all sides. This I leave to the consideration of the meeting.

We call attention to the fact that the Stearns Manufacturing Co., of Erie, Pa., have recently purchased the well known "Vulcan Iron Works" of Buffalo, N. Y., and that they are now prepared to build any description of boilers or engines used by lumbermen. The well known standing of the Stearns Manufacturing Co. is sufficient guarantee that orders received by them will be satisfactorily filled.

One of the best mill properties in Wisconsin is now offered for sale by J. C. Clark, of Wausau, Wis. The mill and property is first class in all respects. See advertisement on colored sheet in The Wisconsin Lumberman.

Subscribe for the LUMBERMAN.

LUMBERMEN'S ASSOCIATION IN CALIFORNIA.

The lumbermen of California have caught the spirit of association for mutual protection, and have entered into a peculiar arrangement which will be explained on reading the articles of association as published in the Sacramento Record. The combination effected by the lumbermen of California will result in good to themselves, and as their prices agreed upon are fair, it cannot injure the consumer. The arrangements perfected by the California lumbermen would be impracticable for adoption in this portion of the country, yet there are certain hints in their published statement which we commend to lumbermen generally:

A combination of the lumbermen east of the summit has just been effected, which promises to surpass any similar organization on the coast. If faithfully and fairly carried into operation, it will benefit Truckee and vicinity fully \$50,000 annually. During the past few years mill-men have seriously damaged their business by competition. Frequently in order to secure a large bargain, prices have been placed at ruinously low figures. Thoroughly aware of the

IMMENSE ADVANTAGE

to be derived from a union of interests, the leading men engaged in the lumber businefs have been holding stated meetings since last January. These lumber congresses have finally resulted in a harmonious and per-Association. The contract, drawn up by Judge Searles of Nevada city, is a remarkably strong and finely been properly affixed, and operations parties from the contract. have commenced.

prominent mill-men in this region, and several millions of capital are represented by its members.

THE FIRMS INTERESTED

are: The Truckee Lumber Company, Boca Mill and Ice Company, Richardson' Brothers, John Kneeland, Alder Creek Mill Company, George Schaffer, S. McFarland and Company, Bragg, Folsom & Company, Nevada and California Lumber Com-

pany, and Joseph Gray.

The association is bound together for the period of two years, and during that time covenants to buy of the shareholders 83,500,000 feet of lumber. The first year, ending July 13th, 1875, it will purchase 31,500,000 feet,. and the second year, 52,000,000 feet. The following table shows the several amounts which the respective companies agree to furnish each year:

THE SHOWING.

	1875.	1876.
	Feet.	Feet.
Truckee Lumber Co	7,000,000	8,000,000
Boca Mill and Ice Co	5,000,000	8,000,000-
Richardson Brothers	3,000,000	4,000,000
John Kneeland	1,000,000	1,500,000-
Alder Creek Mill Co	4,000,000	7,000,000
George Schaffer	4,000,000	5,000,000-
S. McFarland & Co	2,500,000	2,500,000
Bragg, Folsom & Co Nevada and California Lum-		7,000,000
ber Company		8,000,000-
Joseph Gray		1,000,000-

Total----31,500,000 52,000,000

The amount of lumber actually thrown upon the market will exceed 91,000,000 feet during the two years; one mill having on hand a private contract to furnish 6,000,000 feet. Each mill retains the right to fill existing contracts and to sell manufactured articles, but forfeits five dollars per thousand for all lumber sold other than to the association. fectly organized company, to be Each company is to load its own lumknown as the Sierra Nevada Lumber ber on the cars of the Central Pacific railroad, and forfeits \$1.30 for each thousand feet it fails to deliver of the stipulated amounts. Fire, worded document. The signatures flood, scarcity of water, or other unof the various parties interested have forseen accident can alone release.

THE ENTIRE CONTROL

The organization includes all the and management of the business is

in charge of the following board of trustees: W. H. Kruger, W. Richardson, George Schaffer, D. W. Parkhnrst, L. E. Doan, C. A. Bragg, Joseph Gray, John Kneeland, O. Lowkey and S. McFarland. They will serve during the two years, and will hold meetings monthly. Although a mammoth corporation, and sufficiently powerful to become an oppressive monopoly, the association binds itself to the following schedule of prices. These, it will be seen, are very fair and just, and are not one cent in advance of usual rates. various kinds or classes of lumber are placed in seven grades. quality and price per thousand of the lumber comprised in each grade is as follows:

First—\$40 per M, clear, dressed lumber, 20 inches wide and upward. Second—\$35 per M, rustic, flooring,

ceiling and clear surfaced.

Third-\$32.50 per M, clear wide rough, over 20 inches wide.

Fourth—\$25 per M, clear rough and clear dressed siding.

Fifth—\$15 per M, $\frac{1}{2}x3$, $\frac{1}{2}x4$, $\frac{1}{2}x6$, 1x3, 1x4, 1x6, 2x3, and 2x4.

Sixth-\$14 per M, 3x4, 4x4, 2x6, 2x8, common boards of all classes from eight inches upward, and 11/4 and 11 inch plank.

Seventh-\$13 per M, all lumber over above sizes and not hereinbefore

mentioned.

The association will keep a just and true account of all sales, and after deducting five per cent. from gross receipts, for salaries, expenses, etc., will make monthly apportionments to stockholders. The officers for the ensuing year are L. E. Doan, president; W. H. Kruger, superintendent : S. McFarland, treasurer, and J. V. Hoag, secretary. To the kindness and courtesy of the last named gentlemen I am indebted for the above information. SIERRA.

Advertise in THE WISCONSIN LUM-BDRMAN. Terms moderate.

MAHRON'S PREVENTATIVE OF BOILER IN-CRUSTATIONS.

This substance is sold in Berlin by A. Mahron, and claims to have the extraordinary power not only to prevent the formation of incrustations in boilers, but also to dissolve and remove those already formed. It has been analyzed by Von Sheelhass, in Munich, and found to consist of 66 per cent. chloride of barium, 14 per cent. sal-ammoniac, 7 per cent. ferruginous ochre, and 12 per cent. water. Dr. Feichtinger, of Munich, says of it: The use of the chloride of barium is to decompose the sulphate of lime, while the sal-ammoniac reacts on the carbonate of lime to produce chloride of calcium and carbonate of ammonia. The only use of the ochre is to disguise the other constituents. The idea that this substance can dissolve an incrustation already formed is a delusion, for it. is a well known fact that precipitated carbonate and sulphate of lime obstinately resist the action of sal-am-In addition to this, the moniac. sal-ammoniac is converted into carbonate of ammonia, which has an injurious action on brass and bronze. The price at which it sells in Germany is 10 silver groschen (about 25cents) per pound, or about twice as much as the cost of the chloride of barium and sal-ammoniac contained in it. Such mixtures are, moreover, not new, for several years ago Flermann, of Berlin, introduced an article under the name of Hallogenin, which consisted of chloride of barium, sal-ammoniac and molasses. This did not prove very valuable either, for the sal-ammoniac attacked the metal, while the formation of incrustations was not entirely prevented.

THE RAILROAD TO CHIPPEWA FALLS.

The construction of a line of railroad from Eau Claire to Chippewa Falls will add one more link in the development of transportation for lumber. The Chippewa Falls Herald in speaking of the progress of the work between Eau Claire and Chippewa Falls, says:

There are now 100 men at work grading the road between this city and the West Wisconsin depot, at Eau Claire. Messrs. McDougall & Riley, the contractors, inform us that by the 25th of October the road bed will be ready for the iron, and if the iron is secured by that time, cars will undoubtedly be running in Novem-

The route is as follows: Starting with the West Wisconsin road, at the depot, and running parallel, east for half a mile, when a northerly course is made for two miles, after that the direction is north-east, to Chippewa falls-making a complete air-line from the last change. The road is about a quarter of a mile in front of the Half-way House, three quarters of a mile from Barron's milk, and two miles from Robson's. It runs close to the "Waller establishment," and a half a mile from C. N. Gower's residence. Back of Frenchtown, it commences to descend to the flat, the fall being fifty-two feet, which will make just that much grade for one mile. The depot here will be on the left side of the road leading to the upper bridge, coming in between the old bridge and the one now being constructed We understand there will be a depot between Chippewa Falls and Eau Claire—probably as near the La Fayette and Blue Mills as possible.

After the grading is done, eighty thousand dollars more will have to town of Anson takes \$10,000 stock, folk convention.

and Eagle Point \$6,000—as it is hoped they will-it will leave \$64, 000 to be raised by the directors, which is a good deal of money, just now, while the financial market is unsettled; but we trust their well-known energy and perseverance will not fail. It would be a severe blow not to have the road completed this fall. If the road can be operated the coming winter, it will make times much better here. It will make a cash market for all kinds of produce at the highest figure—something that we never have had before; besides opening up a demand for ties, square timber, bark, and many other things which farmers can get out during the cold season.

Under these circumstances, we trust that our citizens will do everything possible to help the road along.

The Philadelphia Ledger, speaking of the Norfolk, Va., lumbermen's convention, has this to say of the lumber interests in the south:

The lumber interests of the south have since the war grown to enormous proportions, extensive lumber shipments being now made from almost every port along the coast from Maryland to Florida. A very large proportion of the lumber supplies of Philadelphia, New York and New England come from this source, and the trade when in a healthy condition gives employment to hundreds of vessels. The financial crisis, however, got into this industry, as it did in so many others, and during last winter and spring the trade was very dull. It is now gradually recovering in this way reflecting the general tone of business wnich in all branches is growing more healthy. The lumbermen of the south will find their organization beneficial in many ways, if it is continued permanently, and our lumber dealers and consumers in be raised to iron the road, for depot this locality will be on the alert to buildings, water tanks. etc. If the learn what may transpire at the Nor-

MEETING OF THE RIVER IMPROVEMENT COM-MITTEE.

From the Portage State Register.

The committee appointed by Col. Robinson, the chairman of the improvement convention, recently held at Oshkosh, in accordance with a resolution of the convention, held a session at the court house, in this city, on the 6th inst. Besides Col. Robinson, who was made chairman of the committee by the convention, there were present M. L. Martin, of Green Bay, J. G. Lawton, of Depere, D. C. Van Ostrand, of Neenah, H. Meriam, of Berlin, J. S. Fisk, of Fort Howard, Curtis Reed, of Menasha, M. H. Keysar, of Sauk City, J. B. Davis, of Oshkosh, and R. C. Wentworth and L. W. Barden, of Hon. Wm. Larabee, of Portage. Iowa, arrived during the afternoon. On calling the convention to order Col. Robinson alluded to the importance of this project, and spoke of the increasing demand for cheaper transportation; the attention of the people was being directed to this matter in such force that he thought it would be comparatively easy to secure favorable consideration at the hands of Congress, and he urged uigorous action on the part of the committee.

A committee of three, on motion of Mr. J. S. Fisk, was appointed to present business for the afternoon session, consisting of M. L. Martin, M. H. Reysar, and H. Meriam. A recess was then taken until 3 o'clock.

AFTERNOON SESSION.

On reassembling the committee on business submitted resolutions, the first of which was as follows:

Resolved, That it shall be the object of the committee to urge upon Congress the vigorous prosecution of the work of improving the water route from Lake Michigan to the Mississippi River through the Fox and Wisconsin Rivers, and recommend annual appropriations, that the same may be completed at the earliest possible period.

The resolution was adopted.

Pending action on the balance of the report, the chairman read a dispatch from Hon. Wm. Larabee, of Iowa, stating that he had been delayed, but would arrive by the first train; whereupon a motion was made and carried for a recess until 7 o'clock.

EVENING SESSION.

On reassembling, an informal discussion followed for an hour or so, as to the best method of making the improvement, whether by a continuation of the system wing-dams, or by an independent canal, according to the recommendation of Gen. Warren. After the discussion, the following resolutions were offered by Mr. Lawton and adopted seriatim:

Resolved, That a committee of three be appointed by the chair to prepare a memorial to Congress, asking for a sufficient appropriation to complete the impovement of the Fox and Wisconsin rivers within three years—the amount thereof to be defined by the Secretary of War. Which memorial shall be distributed to the members of the committee for circulation and signature, and returned to the chairman of this committee, to be used as required.

Messrs. Lawton, Reed and Meriam were appointed such committee.

Resolved. That a committee of one from each of the states of Wisconsin, Iowa and Minnesota be appointed by the chair to urge the matter of the appropriation upon Congress.

Messrs. Larabee, of Iowa, and Martin, of Wisconsin, were appointed of such committee, with one from Minnesota, to be announced in the future; each with the power of substitution.

Resolved, That each member of this committee, residing on the Wisconsin river, is instructed to inform himself concerning the work now in progress on said river, and present to this committee, at its next meeting, his written opinion of the work, and any information likely to aid this committee in maturing a plan for its encouragement.

Wm. Larabee, of Iowa, was added

to this committee:

Resolved, That when this committee aljourn, it be to meet at the court house

in Appleton, Sept. 16, 1874, at 10 o'clock tree possesses remarkable anti-feb-

Mr. Barden offered the following

resolution:

Resolved, That it is the sense of this committee, that the plan of improving the Wisconsin river, as recommended by Gen, Warren-by canal-giving the greatest depth of water, is the only plan that will meet the wants of the country and the expectations of government That we therefore recommend and urge the adoption of such plan by the general government in this improvement.

After this discussion, the final consideration by the resolution was postponed till the next meeting of

the committee.

On motion of Mr. Larabee, the governors of Wisconsin, Iowa and Minnesota, and Gen. Houston and his assistants, were invited to attend the next meeting of the committee, at Appleton.

On motion of Mr. Barden, each member of the convention was adthorized to appoint a substitute, in case of his inability to attend the

next meeting.

On motion the convention then adjourned.

The American Exchange and Review, in an article concerning the renewing of the forests that have been cut away, refers particularly to the matter of introducing the cultivation of the Australian gum tree, and says :

One of the most interesting features of that most serviceable of enterprises at the present time, i. e., arboriculture, is the cultivation of the Australian gum tree in California. It is estimated that about 1,000,000 trees of this description have been planted in that state. It circumference; has dark bluish leaves a strong odor like camphor. The clerks, who came with their families

rile virtues, and in some countries has been planted in fever districts as a curative and sanitary agent. There are boundless forests of it in Australia, where it grows both on the hillsides and the lowlands, in a range of temperature from 130 deg. to 20 deg. F. As a timber, it is exceedingly useful where strength and durability are required, and though hard is easily worked. Over \$4,000,000 of the timber is annually exported from Australia. Scientific bodies are giving much attention to it, both for its value in draining marshy grounds, and in disinfecting the atmosphere.

EARLY DAYS AT CHIPPEWA FALLS.

Mr. Thos. E. Randall continues his very interesting sketches of early life in the Chippewa Valley, and in his articles to the Eau Claire Free Press he refers to many incidents of interest to our lumbermen readers. Mr. Randall says of early life at Chippewa Falls:

We took leave of H. S. Allen & Co., in the fall of 1855, at the land sale. Every interest and movement in the settlement, business, and social relations of the entire county were more or less dependent upon, or identified with this company, and affected by the heavy losses it sustained. In the summer of 1856, the surrounding country received large accessions of farmers; the village of Chippewa Falls was laid off; a dam was thrown across the Chippewa river at a point nearer the mill; a large three story hotel was erected on the site of the Tremont house (lately burned); the Presbyterian church edifice was commenced as a is an evergreen, attaining a maximum mission church under the indefatigaheight of 300 feet, with over 30 feet ble labors of Rev. W. W. McNair. Early in the spring of this year, about one inch wide and ten inches Thaddeus and Albert Pound were long, thin and twisted, which exhale employed by H. S. Allen & Co., as from the empire state, and located as permant residents of the place. James A. Taylor was another clerk in the same establishment, who in the succeeding fall, in company with Frederic Bussy, started the first store not connected with the mill at the Falls. The firm of Bussy & Taylor erected or rather completed the Gravel Island steam mill, which was managed with considerable ability until its destruction by fire in 1862. Mr. Bussy died in 1866, at Winona, Minn.

Of the other emigrants to Chippewa county this year, the most prominent were Rodman Palmer, Elijah Pound, father of Thaddeus and Albert, and James Woodruff, Mr. Waterman, Mr. Skinner, Mr. Fuller, Mr. Vanloon, I. P. Sheldon, A. Walker, Stephen Brown, Bonnerville and Loveland, all well known citizens who came with their families.

Taking its rise in the timbered regions far to the north, where the chilling winds from Lake Superior prevent the melting of the snow on its upper branches, until the ice is dissolved in the river, at this point, the Chippewa has seldom broken up with an ice-freshet, capable of inflicting much damage to its piers, booms, and other improvements placed in its bed, but the spring of 1858 was an exception to the former precedents in this respect; the ice breaking up for many miles above before its winter force and volume had abated and came down in jams of such crushing power, that everything in its path was swept away; the new dam, several piers, a large share of the booms and a vast amount of logs were mingled with the ice in one common ruin.

To a successful business man whose integrity for long years, had never been suspected or his ability to meet his obligations, questioned, when on surveying his affairs, he, for the first time, sees bankruptcy staring him in the face, is about as

wretched a piece of humanity as the world affords. Innumerable expedients, are conjured up to obtain relief, some perhaps, not very honorable; in constant dread of some sudden disruption in his plans, his ideas become confused, as to what will be right and honorable; at one moment he resolves to pay every claim just as long as there is a dollar to pay with, and at the next, his wife and children engrossing his thoughts, he cannot see them suffer; come what will his first and last duty, is to provide for them. But how shall it be done? is there any way by which he can save his honor, and something that shall shield his children from want.

Such were the gloomy forbodings of Mr. Allen, when in the winter of 1856-7, he saw the tide of adversity, bearing down upon the house of which he was the head, and threatening to bury every hopc. Hitherto the company had met its obligations with reasonable promptness, but now note after note must go to protest, and soon judgments would nail every foot of land, and not a dollar then could be saved for the little ones. The company was now composed of H. S. Allen, Jacob Wells, Moses Rines, and E. A. Galloway. Rines held in his own right the title of a a quarter section of land upon which the city is now built, and considered that if any game was to be played, he held a pretty good hand. a drunken, worthless fellow who never ought to have been in that position; had kept sober long enough at one time, to marry a beautiful and accomplished woman, and might have been happy, but for his abandoned habits, but in self defense she was soon compelled to leave him, and Mr. Allen also determined to rid the firm of such a burden.

That "there is a tide in the affairs of men," is so old that it need not be repeated here, but is very applicable, and no doubt H. S. Allen thought, that for him it was fast on the ebb,

when he bought Moses Rines' interest in the firm, for ten thousand dollars, and borrowed fifteen hundred of it, to make the first payment, of a maiden sister, and mortgaged the aforesaid quarter section of land to secure its payment, but whether he could discern through the darkening vista of coming events, the gleam of brighter skies beyond, is known only to himself, but to this single stroke of luck, fate, or good management, is due his present easy, perhaps I may say opulent circumstances.

Of the many expedients to afford relief from the present pressure one was resolved upon. A common stock company was organized, and 1,000 shares of one \$100 each, represented the property. Various parties from abroad, were induced to take some of the stock which relieved the old firm in some measure, and in the summer or fall of 1857, the new company commenced operations under the name of the Chippewa Falls Lumber Company. H. S. Allen, President; one Jordon, Vice President; a lumber merchant of Dubuque, Treasurer; John Judge, Secretary.

The old company went into liquidation, its liabilities being assumed by the new—a vast accumulation of interest bearing debt. John Judge was a thorough business man, but was appalled by this immense burden; with a sound currency, and hopeful times he would have raised the company's credit, and gone on, but after one summer's fair trial, the officers met by agreement, at some place in the interior of Illinois, divided the earnings amongst them, and the poor stockholders were no where.

THE WISCONSIN LUMBERMAN will be largely improved during its coming year. No lumberman can afford to be without this publication. Subscription price only \$2.00 per year, in advance.

LUMBER STATISTICS.

Our Saw and Shingle Mills—The Daily Manufacture—Men Employed, &c.

From the Manistee Standard.

In our last issue we concluded a detailed description of the saw mills, commencing with Canfield & Wheeler's mill in our issue of May 30th. We have described the chief points of interest of the several mills. As it will be of considerable interest to lumber men and others having an interest in the welfare of our city, we give below the statistics of the average quantity of lumber cut per day and shipped from this port, viz:

Canfield & Wheeler	80,000
Tyson, Sweet & Co	220.000
Gifford & Ruddock	110,000
Englemann, Babcock & Salling	75,000
R. G. Peters & Co	70,000
Chas. Rietz & Bro	140,000
Lietch & Stoke	33,00
Horace Tabor	50,000
D. L. Filer & Sons	45, 100
Stronach Lumber Co	
Dennett & Dunham	
Jas. H. Shrigley & Co	
Louis Sands	
Magill & Co	
Cushman, Calkins & Co	90,000
	200 000

This amount does not represent the quantity cut here under ordinary circumstances. The depressed condition of the lumber market has forced lumbermen to cut down their running expenses to the very lowest point. The price paid for lumber last season and the present market price does not ofter much encouragement to the mill men, and in consequence most of the mills are only running about three quarters their full capacity, some not over half. One mill, with a capacity of cutting over 100,000 feet per day, has not been started at all this season.

This city has also lately became noted for its shingle mills, and also for the superior quality of its shingles. Within the last year four first-class shingle mills have been built. The average quantity of shingles manufactured this season, per day, is;

Engelmann, Babcock & Salling	40,000
R. G. Peters & Co	140,000
Chas. Rietz & Bros	80,000
Geo. W. Robinson	90.000
W. W. Chapman & Co	95,000
Davis, Woodruff & Co	100,000
Wing & Humes	95,000
Total per day	640,000

which is an increase of over 150 per cent. on last years product. This branch of lumbering industry will undoubtedly rapidly increase here. In a very short time Manistee is destined to become the greatest shingle manufacturing point in the northwest. Every facility that is required for the successful and cheap manufacture and shipping of shingles is to be found here.

There is also manufactured per day about 190,000 lath and 12,000

pickets.

Directly engaged in the cutting of this lumber, manufacture of shingles, lath and pickets, there are employed 1,095 men. Of this number there are—

Americans	104
Germans	280
Scandinavians	262
Polish	
Irish	
French Cauadians	47
Erglish	
Scotch	10
Welsh	9

This number does not include the men engaged in "driving" or floating the logs down the river into the lake, men engaged in sorting or separating the logs belonging to the several mills into booms. A low estimate will give 350 men so employed. This shows that in the work of preparing the saw logs for market 1,445 men are directly engaged.

The average wages paid men working in and around the mills is: laborers \$26; mechanics, \$75 to \$110 per month and board; river drivers, \$35 to \$52 per month and board; to men sorting on the lakes, \$46 to \$85.

It will be seen that lumber is king, and with the rise and fall of the lumber market the prosperity or depression of every interest in this section is closely connected. The condition of the market last season and the pres-

ent one has not been the most encouraging, but the prospects for the future are somewhat brighter; at all events the quantity of lumber that will be sawed here this season will be at least one-fourth less than last year, and it is expected that not more than one fourth of the logs held over last year will be carried over this season. For the first time in many years, the big and little Manistee rivers will be sacked clean, and the drive got all out.

The Green Bay Advocate says of the recent meeting of the Fox and Wisconsin Improvement Committee:

"Probably the most important action of the meeting was the urging of such measures upon the Government as to hasten the completion of the work, The present system of only devoting a few hundred thousand dollars to it yearly threatens an interminable delay and the postponement of its completion beyond the lifetime of the present generation. The delegates therefore were unanimous in asking that Congress shall provide means for such a prosecution of the work as shall insure the opening of this route to commerce certainly within three or five years; and provision was made to send three of their number to Washington during the ensuing session to press the matter upon the attention of Congress. Other subjects-such, for instance, as the improvement of the Wisconsin by canal instead of by the present doubtfui plan-were discussed, as will be seen by the proceedings. Capt. Nader, in charge of operations on the Wisconsin, was present and explained progress under his superintendence. Col. Houston and others in charge of work along the line had been invited to be present, but for some cause failed to be there.

Altogether, the meeting was a most successful one, developing the great interest which is felt in this work not only along the line but in the states west of the Mississippi, which are looking to this water channel as their most promising route to and from the East. The next meeting of the Board is fixed for Appleton, on the 16th of next month.

RECIPROCITY.

The Proposed Treaty With Canada as Looked Upon by the Boston Lumber Trade.

The Wisconsin Lumberman will furnish, from time to time, valuable articles on the subject of reciprocity with Canada. We devote a large amount of space this month to the discussion of the question of reciprocity, and now give an able editorial on the subject from the Boston Lumber Trade:

The treaty of reciprocity with Canada is now engaging the attention, and greatly exciting the feelings of large numbers of our citizens engaged in various lines of trade. It could not have failed to do so, as the treaty must, if ratified, effect, favorably, almost every department of business. At the outset, we may remark that, whatever may be the attitude of different classes, or of individuals, in relation to the treaty itself, all must agree that the secrecy and haste, with which the attempt was made to push its ratification through the senate, at the very close of the session of congress, were unseemly, as there could be neither opportunity for adequate consideration by the senators of its provisions, nor time for any representation of their views as to its bearing upon their interests by the people. It is, indeed, alleged, that negotiations in reference to treaties are usually conducted under the veil of secrecy, and this may be proper in reference to a treaty for the suspension or cessation of hostilities, and the establishment of peace between nations at war. In this case, and discussed by that branch of our

popular feeling, on both sides, is usually very much excited, and such as probably would interfere injuriously with the negotions, and there is in this fact sufficient reason, that, on both sides, statesmen, whose character for wisdom and integrity would be a guarantee that their decisions would be guided, not by prejudice, but by justice, should be powers with full trusted act without consulting their respective nations, and even without disclosing to them the terms of pacification, on which they may agree. But, in the case of two nations or countries, bordering on each other, the business relations of which are necessarily and closely connected, and as to which, in the progress of years,, various lines of trade have become established, involving immense investments of capital and on which the livelihood of large classes of the population are dependent, a treaty, the terms of which will seriously affect and, it may be, wholly change the conditions of their lines of trade. should not be made without the knowledge and the opportunity of a full representation of their interest in the matter on the part of those who may be greatly injured, or even wholly ruined. It seems to us, indeed, a question worthy of consideration, whether changes in international policy, so far-reaching in their influence, both as to the variety, importance and number of the interests affected, and as to the consequences involved through a series of years, should be made at all the subject of diplomatic arrangement, to be managed by the executive branch of the government, with only the check that there must be ratification by the sen-As well might the details of the tariff, on articles imported from Europe, be made the subject of treaty. It is deemed proper, that changes in them, affecting the mercantile and manufacturing interests of our people, should be carefully considered national legislature, the members of which are elected immediately by the people, and are supposed to be more closely in sympathy with, and more readily and strongly affected by popular feeling, as well as by the senate, and that a vote upon it should not be called for, in either house of congress, until the manufacturers, merchants and others, who might be interested, had been heard fully. Weeks, and even months, have not been considered too long a period to be given to such investigations and discussions. We venture to say, indeed, that no tariff, which has ever been before congress, could have an effect, more extensive, or more lasting, on the most important business interests of the country, than the complete revolution in the relations of trade between the United States and Canada, which have been aimed at by the secret and hurried operations of diplomacy.

It is claimed in favor of reciprocity, that, if this country surrenders certain advantages, it receives certain other advantages, which may fairly set down as an offset or equivalent, and that there is a real reciprocity in the case. The palpable answer is that, if the advantages to be surrendered were those in which our whole nation were interested, and benefits to be received, would be benefits to our whole nation, there would be some force to this argument in favor of reciprocity. But the fact is that the advantages are to be surrendered by certain classes or interests, and the benefits are to be gained by quite other classes or interests. The manufacturers of New England are to be subjected to an injurious, and possibly runinous, competition, that the fishermen of New England may fish within the limits of the Eastern British Provinces. The farmers of the west are promised greatly increased facilities of transportation from their granaries to the seaboard, while the lumber manufactures of the west, whose chief question now is-by

what mutual arrangements their business can secure a fair margin of profits, are to be deprived of the advantages of \$2.00 per M, duty on Canadian lumber, and brought into competition with those who can hire men to work in the woods or mills, at half the price, paid in Pennsylvania or Michigan. If the farmers need additional facilities for transportation, let our government furnish them, if need be, for, though even that policy may be doubtful, as engaging the government in business, not legitimately in its sphere, and which can be better managed by private capital and enterprise, even that would be better than to hire Canada to do it, the price to be charged on businoss, having as just claims on the fostering care of our government as agriculture or any other of the varied avocations in which its citizens are engaged. If the fisheries of New England cannot otherwise compete with those of Eastern British America, let the government as heretofore, pay a bounty, and, if it be necessary, increase it.

So far as the lumber trade of this country is concerned, it is plain that, as to nearly all engaged in it, in any of its departments, the ratification of the treaty would be in the highest degree injurious, and to many of them utterly ruinous. Those dealers in Boston, New York and Chicago, and other distributing points, who have no interest in American mills or timber lands, might, for the time, be slightly benefitted. But this would be only temporary, as prices would soon adjust themselves to the new condition of things, competition and other circumstances very soon bringing down the profits if they were particularly disproportionate to the ordinary pofits of business. In our country more than a fair profit cannot long be secured in any business not a monopoly, which lumber business can never be.

We have but one more suggestion to make, at the present time, on this subject, and it is this, that, whatever attitude parties, ingaged in various lines of business, may assume towards the treaty, they assume it, chiefly, if not wholly, in view of the probable or certain effect of its ratification on their own business interests, and, so far, their position is purely on personal and selfish grounds. But, it seems to us that, underlying the whole subject, is the question of free trade or protection. Canada, as to its institutions, the habits of its people, especially of the laboring classes, the average rate of wages, the relation of its government to business, and the demands of the former on the latter, for the purposes of revenue, and other considerations affecting the cost of production, is as truly a foreign country as France or Germany, and we may as well, by free trade, bring the cheap labor of these countries into competition with our own varied manufacturing interests, as to bring the cheap labor of Canada, employed in the lumber trade or any other mechanical or manufacturing pursuits, in competition with the labor of our own people, engaged in the same avocations. We believe that duties should be imposed on articles of foreign manufacture, not merely for the purposes of revenue, with protection incidental, and that, even if our nation were free from debt, and had a revenue, from the sale of public lands or other sources, sufficient to meet all its expenses, duties on foreign goods for protection of domestic manufactures would still be the true policy, and on this ground we should be opposed to reciprocity with Canada, as essentially involving free trade with a foreign country with all the results of free trade so far as rival or competitive interests are concerned.

Evary lumberman in the northwest should attend the Convention at Chicago.

THE CONDITION OF THE LUMBER TRADE

From the Northwestern Lumberman for August.

For months past it has been our one thoughtful effort to fathom the great secret of the continuous depression in all business interests and industrial circles of the United States, and we have about come to the conclusion that the depression which is admitted to exist, has in reality no just cause for continuance. and would Lot this day have weight or influence with men of sound busness tact, were it not for the incessant croaking heard everywhere and from every mouth. It has become so chronic among us to not only admit that we have the blues ourselves, but we talk out and make so much ado about it, that it would seem we possessed an insatiable desire to make every other man equally blue. This being the thought actuating every man of standing to-day, who has ever enjoyed munificence at all and is now compelled to forego a few of the luxuries, formerly too profuse, who can wonder that the world is correspondingly blue. The true surprise, is that there is any business at all worth pursuing. the bears on Wall street want to pull the stocks down they all talk together of general worthlessness; when, if the bulls don't override them by a still more persistent cry of an upward tendency, they will go down low and lower still. But suppose we all become bulls and work with equal persistence for rising prices by incessant talk in that direction, the consequence would be an inevitable rise in value. Thus, much of this dullness and this unaccountable depression in value is doubtless caused, or influenced by that universal action, of putting on the outside the most unpropitious show possible. What other result can we expect. than that we see and feel. It would seem the whole united trades had formed a "national association" and adopted a general literature to be used in talking, writing, or acting in relation to their special business, for no other purpose than to produce the very conditions we all have good reasons to deprecate and deplore. Our season's experience has been throughout a region of thousands upon thousands of miles, in the offices of thousands of representative men in the trade many of whom are in circumstances too elevated to be very radically affected by one season of disaster excepting in the per annum addition to their life's aggregate they only loose the 1874 round of Time's ladder upon which they are surely ascending to financial eminence.

We know, and so does every wise business man, that retrenchment is often requisite, that a run of several years of fair prosperity in all trades induces expansion in that direction which leads inevitably to overstock and depression, the simple remedy for which is to cut down the supply to old standards a step involving only a sacrifice of one degree of pride, and preservation of integrity, when if not taken, total ruin and a heavy fall to the lowest depths of bankruptcy may be the consequences. Which is the better picture to contemplate, the former or the latter.

Let us see how matters really stand over the general field of industry; as we said before, our season's experience embraces many varieties of industrial and producing branches with very much of the element of enterprise usually concentrated at the great distributing points from whence are usually marketed immense surpluses, where the vender and consumer meet, haggle on prices and trade. None of the great eastern centerpots for lumber which we have visited are stocked to the extent they were at this time in 1873, 1872 or even 1871. And more, the great field of North American supply will fail in its usual per annum stock of prepared material to the full amount of two thousand millions of feet!

When the market is made to feel this certain condition of things we think there can be nothing for it but a rise and a run, perhaps, to the opposite. Lethargy on the part of buyers, of the Micawber character, has kept the interior yards very generally empty, and they already begin to think that about every thing has turned up that can well be thought of, that about all the bubbles which have been threatening the country have exploded, and that the prudence and economy in business and routine life inculcated by the lessons of the day have been inwrought with us to a healthy extent. We would therefore hope and believe the worst is passed; the crushing and wide spread depression which prevailed for months is uprising, and the clouds heretofore so dismal begin to show their silver lining. Men know now exactly where they stand, so far as overwrought enterprises are concerned. And we feel assured that all trade will be restored to confidence and prosperity, when it receives a precise knowledge that all uncertainty respecting the currency, the great instrument of exchange is fully adjusted and removed. Agricultural producers, to whom we are apt to look for much of our market, are in fair spirits as crops are superlatively promising and coupled with the fact that this class have for months been compelled to submit to rigid self denial, now that they have the means of supply, it is reasonable to expect an enlivening of manufacturing interests in that direction. In fact, all trades from producers to consumers with all the immediate interests including transportation, must and will be improved. Our mercantile indebtedness, as a nation of "shopkeepers" never was smaller than now. Our foreign relations are unexceptional, and the various collapses occasioned by the last year's panic, though reflecting heavily upon legitmate trades, was not actually fatal to any worthy enterprise; though men

went down, they could not keep down with them a work of worth. The two great destructive elements, fire and water have been rampant in a wild race for the champion's as life and property destroyers. this water has shown itself king, and the year 1874 will doubtless go down in history as the year of general floods.

All these things have their lessons, are rare seedlings from which mankind may garner much beneficial

fruitage if it will.

To the lumber trade the times have been laden with lessons of immense significance. And they are so palpable that the yonngest and most apathetic in the ranks can never say "I don't see it." ground is broken, tending toward a reform in many things which have hitherto been injurious to the trade. The spirit manifested everywhere to meet and discuss earnestly and gravely questions of deep portent; will, if persistently agitated lead to a culmination in the forming of an organization most beneficial in its There is talent and influences. enterprise and much of executive ability, in this great industry enough to place it upon the high pedestal where it belongs and so surround it with a net work of wise counsel, just and equitable rules of government as to ensure an eternal ascendancy. Let the agitation be continued.

Lumberman Northwestern favors the assembling of a great convention of lumbermen at Chicago,

and says:

"We are convinced that there is a strong desire on the part of lumber manufacturers in the northwest, to hold a meeting in this city, for the purpose of discussing measures tending to a regulation of the supply of logs to be cut next winter. A consota and Michigan, if held early in the Chicago Lumbermen's Board of

September, could, undoubtedly, accomplish a great good. We have urged this matter of a Northwestern . Association combining the mill owners, from the Mississippi valley in the west to the Saginaw in the east, with the city of Chicago as the naturally central point at which to meet, so often and persistently that no new argument need be advanced in its behalf. The entire lumber community is rapidly awakening to the necessity of action in this matter. The lumber and timber men of Canada have held a convention at Ottawa, and resolved upon curtailing their cut for the coming winter. The mill men of the Susquehanna are to hold a meeting at Clearfield, Pa., for the same object. and it now remains for the manufacturing districts of the northwest to call a convention, and call it soon, to meet in this city and take similar action.

That Chicago is the most proper place for such a body to convene, no one will dispute. It is the great commercial center of the district whose interests are to be enhanced by such action; it is the great lumber mart of the country, containing the greatest number of lumbermen of any city in the world. It has a local organization in thorough working order, the Lumbermen's Board of Trade; it is the most central, and easily accessible point at which to meet, and lastly, it is the best place on earth to get fully impressed, from practical observation, with the state of demoralization into which the business has fallen, and consequent need of such a meeting. We submit that if the owners of mills throughout the States above named, will come and watch the state of this market from the Franklin street docks for forty-eight hours, they will never leave the city until some decided steps are taken toward reform. We strongly urge upon all interested vention of manufacturers of lumber -and what manufacturer is not-to in the States of Wisconsin, Minne- communicate with the Secretary of Trade upon this subject. If a sufficient expression of opinion is received by him, we doubt not that a call will be issued, and the largest gathering ever convened to represent a special trade interest may be the result. No one doubts the efficacy of such a proceeding. No one but believes such a meeting would be a signal success. Then let us have it.

CHIPPEWA RIVER IMPROVEMENTS.

A party headed by chief engineer Turner arrived in this city on Saturday, for the purpose of making a reconoisance of the Chippewa river. They commence at Chippewa Falls to-day, and work down the river to its mouth. Their instructions are, if we understand it, to make a reconnoisance and report as to the practicability of giving to the river a three feet low water navigation, the means by which this can be brought about, and the amount of money necessary to carry the plan into execution. Col. Farquhar. of St. Paul, is the chief of the survey, and to Mr. Turner has he committed the work. Mr. Turner will probably be engaged from six to eight weeks, and upon his report it is probable will Congress govern their action, in extending their aid to improvements on this river.

The most feasible system of improvement was discussed by a few of our leading lumber and rivermen, the other evening, among which we may mention, damming three or four lakes, such as Court-de-Orielles, Paeswasgum, or Flambeau, creating common reservoirs, checking and controlling the early spring freshets, and furnishing a regulated and sufficient supply during the extreme low water season; and on the lower river, a system of brush dams, piling, &c., so as to confine the waters permanently in one channel.-Eau Claire the siege of Fort Bourbon, in the

Free Press.

THE FORESTS OF BRITISH GUIANA.

At a meeting of the members of the Royal Colonial Institute, held on the 15th ult., under the presidency of the Duke of Manchester, Mr. Wm. Walker read a paper on the "Forests of British Guiana."

In the course of his paper he said that the general character of the country was that of vigorous and luxuriant vegetation; a constant summer prevailed, and the fertility of the soil, the humidity of the atmosphere, and the congenial temperature produced results which, to one accustomed only to the alternations of the northern regions, were suggestive of astonishment and admiration. Gigantic trees raised their lofty crowns to a height unknown in the forests of Europe, and exhibited the greatest contrasts in the forms and appearance of their foliage. Viewed from an elevation, their summits formed an almost uniform level surface for miles together. The dense and almost impenetrable forests of the interior offered inexhaustible treasures, not only to architecture in all its branches, but likewise for the manufacture of furniture, and many other purposes. The fitness of the timbers for naval architecture was remarkable, and some kinds were said even to excel the teak. Greenheart, the Mora, and the Souari were, of all the woods, the best adapted for shipbuilding purposes and submarine constructions. When the Brown Greenheart was first sent to Liverpool and Greenock, it was pronounced by competent persons, after an experience of ten years, superior to oak for strength and durability, and it commanded a preferential price. Colonel Moody, of the Royal Engineers, recorded that the great Black Greenheart and the Purpleheart were the only woods that stood the test as mortar-beds at Island of Martinique.

late Sir William Holmes, the Com- furniture woods, the natural producmissioner representing the Colony tions of Guiana vie with those of of the London International Exhibi- any part of the world. Extensive tion, 130 varieties of timber were tracts of primitive forests were yet contributed on that occasion; and he untouched, especially beyond the added some very sensible remarks upon the subject of the obstacles to rivers and creeks, where there was be encountered in any attempt to increasing difficulty in bringing the introduce exotic novelties, into use timber to the water's side. amongst the manufacturers and artizans of Europe. He pointed out increased subsequently to the first that no material was so difficult to Great International Exhibition of bring into general use as new varieties of timber, seeing that the stability and durability of the constructions for which it was used were dependent upon the quality employed. Architects, therefore, naturally hesitated to use untried sorts whilst an adequate supply of well-known timber was to be had. Indian teak commanded the market, as it was lighter and more easily worked than the hard woods of Guiana, and, moreover, contained an essential oil, which contributed to the preservation of ironwork. Greenheart, however, ranked next to teak; and in 1861 about a million cubic feet were market. shipped to the English Some interesting experiments were made by the London and Northwestern Railway Company, as to the suitability of this wood for railway purposes generally, and these led to some large contracts being entered into for the supply of timber. At Lloyd's, again, Greenheart and Mora were classed amongst the seven or eight only woods from all parts of the world, recognized as of little avail in ship building. The collection as a whole was much admired, especially such varieties as appeared suitable for furniture. Here, again, however, tyrant custom asserted its sway, and cabinet-makers were so accustomed to mahogany, rosewood, walnut, birch and a few other, that they were reluctant to introduce any new variety except under special circumstances.

It might be asserted without reser-

According to the report of the vation that, as regarded timber and rapids and away from the banks of demand for the timber had largely 1851, where two prizes were awarded to them; but the greatest expansion of the trade occurred in 1861, when the exports amounted to 825,230 cubic feet .- The London Builder.

A WISCONSIN LUMBERMAN.

A correspondent of the Chicago Times draws the following animated portrait of one of Wisconsin's leading lumbermen.

"Bill Price," a short, stubby man, with a dark complexion, is one of the heavy lumbermen of Black River Fall, in the Seventh district; logs ten millions a year, yet handles more profanity than he does lumber. You feel that there is an omnipresent God while in Mr. Price's company. Formerly a perfect guzzler of the "ardent," reformation seized upon his vitals, and he is now a temperance leader in Wisconsin. A man of indomitable will is William T. Price He accomplished at Washington; during war times, a modification of the draft as it applied to certain por tions of Wisconsin, after the whole congressional delegation had failed and were shaking in their boots at the howl of indignation arising from their constituents. Mr. Price may possibly make it warm for Jerry Rusk,-for he don't like the Washburn rule in the Seventh district,but he cannot meddle with affairs on Dr. McDill's stamping-grounds.

Subscribe for THE LUMBERMAN.

The Cope & Maxwell Manufacturing Co., of Hamilton, who have established a branch in Chicago, have recently made a contract with the town of Clinton, Iowa, to furnish one set of machinery for their water works, with compound engines, the cylinders of which are convertible from condensing to non-condensing. They are making another set of pumps, to be driven by duplex engines. This company are making special efforts in the manufacture of water working machinery, have taken several contracts, and have others in abeyance. A large pumping engine has been recently sent to London, Eng., for use in mines, the attractive point being the valve, whose cushioning feature prevents, with certainty, the overrunning of any of the moving parts of the machine, and permits an extra stroke, without loss or excess of clearance, for the main piston.

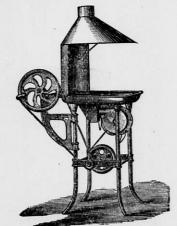
At a meeting of the members of the Lumber Exchange, St. John, N. B., held August 13th, it was unanimously resolved, that in view of the present and prospective condition of the foreign market, it is absolutely necessary that the product of the mills should be largely reduced. A committee was appointed to carry out the object of the resolutions as far as possible.

A Southern dealer recently wrote a Boston lumber merchant as follows: "It's all very well to say 'shut down,' but if I follow your advice, what will become of my 'mules and my men. They must be fed." The dealer replied, "I don't know of any better plan than to saw up your mules" and received from his cyrrespondent the answer: "You have sotved the enigma. I'll saw up the mules."—Roston Lumber Trade.

FIRST CLASS MACHINERY.

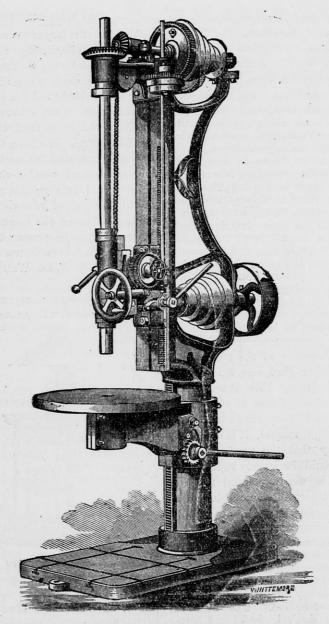
Many of the larger manufacturers of lumber are beginning to add considerable machinery to their blacksmith shops, until, in some instances, they are enabled to do a great deal of repairing, which otherwise they would be obliged to send to distant machine shops. We have, from time to time, illustrated the most valuable and most used wood-working machinery, and this month present a few illustrations of iron-working machinery. Any of the machines here illustrated may be procured through the favorable known house of O. L. Packard, 103 West Water street, Milwaukee.

We first present a representation of the celebrated "Keystone Patent



Forge." These forges are built in twenty-three standard styles, portable or stationary, hand or steam power. The forges are always found to be fully up to the guarantees made and will do heavier work than specified.

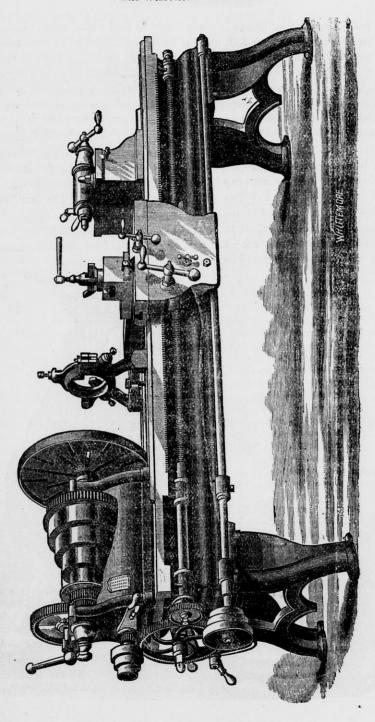
The second illustration is of Blaisdell's patent drill. These drills are



be mentioned that the drill has large ion. Has check nut to prevent backsteel spindle, adjustable drilling lash or drop in spindle. head, revolving arm and table, all

first class in every respect. It may raised and lowered by rack and pin-

The third cut represents an im-



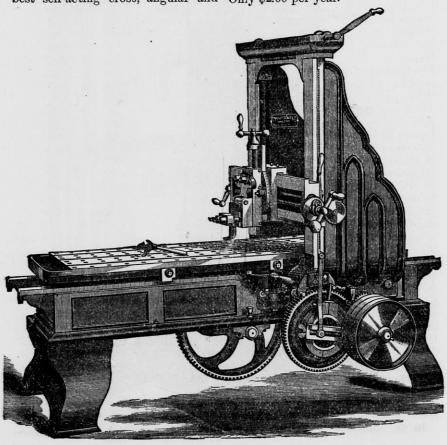
proved 24-inch engine lathe. Is made different sizes, from ten foot bed to twenty foot bed, with twenty-four inch swing. Has cross feed and weighs from 3550 to 5300 pounds.

The fourth illustration represent's Whitcomb's improved patent metal planer, one of the very best machines of its kind in use. Is very heavy, substantial and well proportioned. The shafting is heavy, with cap boxes and long bearings. The gears and racks are all cut; holes in table are drilled and milled; slots in table planed out of solid stock; has the best self-acting cross, angular and Only \$2.00 per year.

vertical feed; the cross head is released and fastened in one moment, by simply pulling a lever at the side of the machine instead of unscrewing and screwing up a number of bolts. These machines are all first-class.

Messrs. Constantine & Co., lumber merchants of New York, recently received from Mexico, the largest log of cedar ever imported into this country. It was fifty-four inches square and twelve feet long.

Subscribe for THE LUMRERMAN.



TIMBER SUPPLY OF THE SOUTHERN STATES.

In a report, submitted to the house of representatives by Mr. Dunnell, from the committee on public lands, I notice a tabular statement, professing to give the amount of timber standing in the states and territories of the United States, and in the dominion of Canada. This statement shows that the total amount of standing timber east of the Rocky mountains in the United States is 105,440,-000,000: in the dominion of Canada, 73.000,000,000—total east of the Rocky mountains, 178,440,000,000. West of the Rocky mountains, 70,-000,000,000,—total in the United States and Canada, 248,440,000,000. In this estimate, the amount of yellow pine standing in the United States, is credited to Virginia 150,-000,000, North Carolina 1,600,000,-000, South Carolina, 90,000,000, 1,500,000,000, Florida, Georgia, 1,700,000,000—total 5,040,000,000. I read this statement in 1873, when it was published in the Lumber Trade, a journal devoted to the interests implied in its title, and published in Boston by J. Henry Symonds. statement was from Mr. James Little, of Montreal, and it was soon after extensively reviewed by Col. Wait, in an article that appeared in the Lumberman's Gazette, of Bay City, Michigan, in December, 1873. This statement may be very correct, so far as it relates to the north and west, but it is certainly very erroneous in the amounts credited to the southern states. I have had some experience in this matter, and now propose to point to these errors, and submit an estimate which I will venture to say is as near correct as it can possibly be made for this state; and if I am over or under the proper amounts for the other southern states, I hope to hear from those, whose opportunities enable them to judge more accurately of the amount in their respective states.

In the outstart, both Mr. Little

and Colonel Wait credit Virginia proper with 150,000,000 feet yellow This is certainly a large overpine estimate. I think it would be impossible to find five million of merchantable yellow pine in the entire state. There are large forests of loblolly, or old field pines, and some rosemary or swamp pine, but little or no yellow pine. Virginia has long since been drawing on the south for supplies of yellow pine, for her outports, and as she has none for export and not even a supply for her own wants, it would be as well to leave her out of this estimate. In North Carolina they say there is 1,600,000,-000 feet of yellow pine. The timber cutters of that state would no doubt be glad to find the one-fourth of this amount any where in the state, but, as it is not there it cannot be found. The only port in this state from which any considerable amount of vellow pine is shipped is Wilmington, and a large part of the supply received at that port, is drawn from South Carolina by railroad. The only considerable growth of yellow pine to be found in North Carolina, is in the south-eastern counties, and much of this is tributary to the port of Georgetown, S. C., by river transportation. 50,000,000 cubic feet is as much, if not more, than can be counted on in North Carolina.

In this tabular statement South Carolina is credited with 90,000,000 feet, board measure. The fourteen counties of this state lying in that section known as the alluvial region, yet contain 2,543,765 acres of heavily timbered land, covered with long leafed yellow pine; which may be safely counted on for an average vield to one thousand cubic feet to the acre of good merchantable timber, squaring ten inches and upwards clear of sap. Thus making for this state 2,543,765,000 feet; and in the same section may be found about 700,000 acres of river and inland swamp, the greater part of which is covered with a dense growth of cypthat class. The coast of Georgia, yellow pine run up to \$85 per M, but being indented with many fine harbors where vessels of deep draught Even after the war ended and before may enter, has offered great facilities the railroads in the south were put in for shipping timber and lumber from order so as to transport timber, the that state, and in consequence her price continued at \$60 to \$75 for forests have sustained a great drain for the last forty or fifty years. Still it is safe to count on her for not less Florida has than 3,500,000,000. been the El Dorado to which all seekers for yellow pine lumber have been the supply would ere this have failed attracted, and for the last thirty years the axe of the timber cutter and the full whirl of the saw-mill have been acting on Florida pines, and the shipments from her ports have been greater than from any other state. Still she may be counted on for at least 3,000,000,000 more. The forests of Alabama and Mississippi have long been drawn upon to supply the demand for vessels loading for foreign ports at Mobile and Pensacola, and for the requirements of Louisiana, Texas and the West Indies; but still they are yet good for at least 2,500,000,000.

Thus we have a grand total of 11,-593,765,000 cubic feet of yellow pine standing in these southern states, instead of about half that amount, as estimated by Mr. Little. This body of timber is probably contained on less than twelve million acres of land, but scattered over a large territory. The turpentine hackers are destroying it at the rate of probably more than ten per cent. per annum, to say nothing of the large amounts cut for ranging timber or lumber, and for clearings and other purposes. But there is enough to supply the world's demands for years to come. Large the middle and eastern states for ship-building and other purposes. Some idea of its value to our northern friends may be arrived at when we remember that, in 1860 before the war began. it was selling in New per M. Soon after the ports of the crops throughout the United States

ress, oak, ash and other woods of south were blockaded the price of it could not be obtained at any price. some twelve month or more. The timber standing near the river banks has long since been thinned out, and but for the new forests that have been rendered accessible by railroad, to keep pace with the demand.-David Risley in The Georgetown Times.

THE REVIVAL OF BUSINESS.

While the business of the country shows no indications of taking a single leap from its depressed condition to that which existed before the panic, it is steadily and surely gaining ground and placing itself upon a foundation that can be regarded as stable. City merchants are carefully limiting their line of credits; banks are more particular as to their securities, manufacturers are not laving up superfluous stocks, and in fact the great feature of the commercial world to-day is caution-an advantageous substitute surely for the reckless systems of credit that prevailed during and after the war. Then again, that unhealthy feature of undue speculation is now absent from the business Money, instead of being disworld. tributed in wildcat schemes, building useless railroads, exploring for impossible mines, etc., is placed where it is pretty sure of yielding some slight profit to say the least.

Then again, reports from the crops quantities of this timber are used in in France and England indicate that there will be a falling off of at least seven per cent as compared with the product of last year. Therefore there is likely to be a greater European demand than usual for our cereals, and the agricultural interests en-York and Boston at from \$24 to \$28 hanced thereby. Fortunately the this year are above the average. So far as has been reported, the harvests

ere likely to be plentiful.

The marks of returning commercial activity do not lie upon the surface and are not noticeable to the causal observer. But when we look into the causes upon which business depends we find plenty of them. For instance, since the panic we have been an economical people. We have been wearing out our old clothes. Merchants have kept their stocks down to the lowest practicable point, and manufacturers have lessened the number of their hands and curtailed their productions generally. But now our old clothes are pretty well worn out, our merchants must replenish their shelves and manufacturers must expand their operations to meet the increasing demand that is being made on them. Our railroad companies have been especially economical. They have bought very few new engines, new cars or new rails, but have been using up the old ones until they are approaching a point where renewals become a necessity. .

There is not likely to be any scarcity of money; a plenteous harvest always brings it forth and places it in circulation. The growlers who habitually expect 20 or 30 per cent. profit or interest every time they turn their money over will be disappointed; but those who are content to work on a sound and reasonable financial basis will find ahead of the prosperity and satisfaction. truth of the situation is that the commercial world is entering into a healthier condition of affairs than it has enjoyed for many years. recovery from the panic has been gradual, but the convalescence has been much better and more lasting than any sudden step in a speculative excitement could have been.

We have cause to congratulate ourselves also that we have corrected the very bad habit we once had of running in debt to Europe. Our ex-

ports now very nearly, if not quite, balance our imports. The exodus of the precious metals has very perceptibly diminished, and the quantity of coin which were are likely to need to insure a return to specie payments has a chance of increase. The outlook certainly has a favorable appearance for both commerce and all branches of industry.—Milwaukee Sentinel.

THE ELECTRICAL PHENOMENA OF STEAM.

Correspondence of the Iron Age.

BETHLEHEM, Pa., July 31, 1874.
SIR: In your issue of the 30th ult., you copy an article from a Virginia (Nev.) paper, headed "A Curious Electrical Phenomenon," as follows:

"During the past three nights the engineers and machinists at the round house of the Virginia and Truckee Railroad Company, in this city, have been in a state of lively excitement about some strange electrical disturbances which have occurred there every night. For three nights all hands have been engaged in trying to solve the mystery, but have only partially succeeded. The company erected a large smoke stack which rises to a considerable hight above the roof of the round house. At the base this smoke stack is spread out in the shape of a funnel. It was built in order that the locomotives may stand under it and cool off, when they come in off the road, and also while being fired up in the morning. Into the side of this smoke stack, three or four days ago, was run a stove pipe from a stove standing in a room about 40 feet distant. It is about this stove that the electrical disturbances take place.

The first that was observed of these was about 11 o'clock, four nights since, when P. Pippingham, a well-known machinist, approached the stove for the purpose of putting a stick of wood into it. As the stick neared the stove he received such a

his arm was benumbed. He at first thought he had taken a sudden cramp in his arm. In trying again to put the wood into the stove he received a second snock. This time he perceived a flash and heard a sharp snap, which he at once recognized as a discharge of electricity. They tried all manner of experiments and found that the stove was fully and heavily charged with electricity, it giving out sparks and flashes when a piece of iron, steel, wood, or the naked hand approached it.

After an hour or two the phenomenon ceased. The next day nothing was seen of it, but the next night, about 11 o'clock, shortly after a locomotive came in and stopped under the funnel of the smoke stack, the stove was again charged, and began snapping and cracking, sending out sparks and flashes on all sides. it has been every night since."

I would explain the phenomenon as follows:

The vapor of escaping steam is highly, negatively electrical. This can readily be shown, on a small scale, by insulating a small boiler and allowing the steam to escape therefrom. If a conducting wire, one end terminating in a number of points, be placed so that the points are presented to the vapor, and the other end to connect with the earth, a strong current of electricity will be conducted from the earth to the A break in the wire will vapor. show it by a spark.

My theory is, that steam and electricity, in a measure, hold to each other the relations as a sponge and water. Steam in the boiler is the sponge with the water nearly all pressed out, or, as the bulk of the steam; when the steam is escaping it is as a sponge set free, taking up all within reach, the vapor attracting electricity as the sponge does water.

If, as it seems, it is true that vapor requires electricity in propotion as its bulk, in order to keep in equili-

shock that it fell from his hand, and brio with surroundings, then it is quite evident why it should be sostrongly, negatively electrical. smoke stack mentioned is virtually insulated, and the vapor from the steam renders it negatively electrical. The stove pipe becomes a conductor from the stove, which, no doubt, is also nearly insulated. It then follows that the stove is in the same condition as the smoke stack, and will take electricity from, not give to, every object that approaches. I do not think that the phenomenon will occur unless steam first escapes into D. S. the smoke stack.

> A raft containing 1,200,000 feet board measure, was lately towed from Cheboygan to the Welland Canal, in eight days and ten hours.

> Logs.—The amount of logs run through the Black River boom at Onalaska, Wis., is estimated at 175,-000,000 feet. It is also estimated that the La Crosse mills will cut this season about 50,000,000 feet.

> It may be mentioned, to illustrate the way in which lumber buyers "take hold" just now, that a Chicago dealer was in the city last week, made his third purchase to complete the loading of a 600,000 feet barge. There were three lots bought at as many different places.—Bay City Tribune.

> Mr. Clarence French, a young man of this place, has taken the job of blasting out the rocks in the main channel of Big Bull Falls. Judging from the reports that reach our ears, we think good work is being executed. A number of different parties have at times been at work blasting out the huge rocks that infest these falls; but as yet have improved them but very little in regard to the safe running of lumber. — Central Wiscon-

LUMBER MARKET.

Milwaukee, Wisconsin.

MILWAUKEE, Sept. 1st, 1874.

The market has improved a trifle since our last issue, although yard rates remain unchanged. Considerable business is transacted with the interior and city demand is fair for the time of year. Some yards report a good business while others seem to be doing almost nothing. All dealers are beginning to expect a revival of trade, although serious apprehensions are felt that the downward tendency of wheat will seriously interfere with the usual fall demand. We quote yard rates as follows:

•					
Common b	oards			12 00@	
Joist and S	Scantling	g, 12 by 16	ft	12 00@	
do	do	18 ft		18 00@	
do	do	20 ft		14 00,0	
do	do	22 to 24	ft	14 00@ 15 00@17	00
Fencing				12 00-20	
1st and 2d	clear di	ressed sidi	ng	25 000	
1st com.	du	do		20 000	
2d com.	do	do		16 00@	
1st com. fl	ooring			20 00@ 16 00@ 35 00@	
2d do	do .			28 00@	
8d do	do .			23 00@	
1st and 2d	clear b	oards		45 00@	
3d				35 00@	
Narrow sel				28 05@	
Wide selec	t com			20 002 48	00
1st and 2d	clear 13	(. 1 % and	2 inch	45 00@	
3d clear do		,, -,,		35 00@	
Wagen Ro	x Board	s		80 00@35	00
A stock	do			85 00@	
R do	do			25 00@	
C do	do			@12	00
Square pic	kets			13 00@	
Flat picket	ts			@12	00
Lath 19 M	nieces.			2 500 2	75
A shingles	. 80º M.			3 25@	
	, A			1 503 0	25
No. 1 do	do .			1 50:00. 2	
No. 1 do Timber, 18	do			15 0u@18	00

Chicago, Ill.

The Inter Ocean says:

FREIGHTS-Remain dull and without any quotable change.

Oconto\$1	50
Muskegon 1	
Manistee 1	50
Ludington 1	87 %
White Lake 1	37 14
Pentwater 1	87%
Grand Haven 1	
Saugatuck 1	37 X
Menominee 1	25

LUMBER—The market was again quiet and easy. The offerings were moder-rately large and the attendance of buyers rather light. Prices were easy and without any quotable alteration. Joist and scantling quotable at \$8; strips and

boards at \$8@15 for common to choice grades. Lath, 1.50@1.62\frac{1}{2}. Shingles. 2.50@2.75. The market closed dull with several cargoss unsold.

In the yards the market was steady

and a fair business was reported.

and a fair business was reported.	
YARD PRICES.	
First clear \$53 00@55 (00
Second clear 48 00@50	00
Second clear	00
Third clear, thick 43 00@45	00
Clear flooring, 1st and 2d together,	
rough	00
Clear siding, 1st and 2d together 23 00@24 (00
Common siding 18 00@20 (00
Flooring, first common, dressed 33 00@35 (00
Common siding	00
wagon-box boards, 10 in, and upward,	
select 35 00@40 0	00
Select, 1-in	
Select, thick 32 00@35 0	00
Stock boards, A	00
Stock boards, B	
Common boards, 10 50@11 0	00
Joist, scantling, small timber, etc 16 feet	
and under 10 50@11 5	50
Fencing	0
Joist and scantling, 18 to 24 ft 14 00@20	00
Pickets, square@11	10
Pickets, flat 12 00 13 (
Cedar posts, spit	10
Cedar posts, 5 inch	
t Inch 50 00	
6 IIICII 35 00	
Lath	×
Shingles on track are steady at \$2.75@3.00 for star, and \$1.25 for No. 1 sawed.	Ā
WHITE WOOD.	
Box boards 40 Clear	n
	14
HARDWOOD.	•
OAK. ASH.	
Plank, common. @ 25 Board and planks. 30@ 6	35
Plank, clear 48 Wagon poles, each .55 60	
Bolster s 45 Flooring, 6-in dr'd	
BLACK WALNUT. and matched 4	10
Culls 25@ 35 Flooring, 3 and 4	
Common 50 55 inch dr'd and	
First and 2ds 60 75 matched 5	50
Clear 75 88 CHERRY.	
Counter tops, (sc- Culls,	25
lected 100 150 Common 4 Flooring, 6-in dr'd Firsts and 2ds	10
Flooring, 6-in dr'd Firsts and 2ds	60
and matched 80 Clear	35
and matched 80 Clear	
inch dr'd and Plank (selected)	50
matched 65 Axles, per pair 1	50
MAPLE. BASSWOOD.	
Plank 30 40 Basswood 12 9	25
Flooring, 8-in dr'd BUTTERNUT.	
and matched 40 Eutternut25	30
Flooring, 3 and 4	
inch dr'd and	
matched 45	

Oswego, New York.

Frem the Oswego Weekly Palladium.

Oswego, August, 25, 1874.

Our report of sales this week shows considerable increase. Prices are without change. The inside figures ruling, and these for cash, and large orders are shaded some. Increase.

644,846 ft.

For the Week.

1,874,632 ft.	F1,229,786 ft.	014,840 16.
-,	RECEIPTS KY LAKE.	
and a disease of the		Season to date.
For the Week.	Last Week.	
6,249,859 ft.		136,590,282 ft.
	MICHIGAN PINE.	
100000000000000000000000000000000000000		948@55
Three uppers	. Let quality	48 52
Claphoard Strip		
	24 "	18 22
	CANADA PINE.	
Three unners		\$42@45
Inch siding mi	ll run	22 32
11/ Inch elding	mill rnn	24 00
1 1 11 th th		
1.4	box	14 16
12	mill run	24 02
1/2	selected	35 42
1%	box	14 16
1/2	mill run	24 30
2	selected	38 42
4	box	14 16
2 " "	DOX	22 26
1x10 stocks, 13	ft, culled	15 16
1x10 stocks, 10	ft, culled ft, culls	15 17
1x10 stocks, 16	t, culls	22 26
1x12 stocks, 13	ft, culls ft, culled	23 26
1x12 stocks, 10	ft, culls	15 17
1x14 stocks, cu	led	23 28
1x16 stocks, cui	alled	22 27
14 XIO plank, C	led	22 80
Inch strips, cui	culled	22 30
1% inch strips,	s, culls	12 14
1x1 inch strip	iching let quality.	30 85
Ash, Canada III	common	18 20
	Common	
Black ash		
Black wainut.		12 14
Hemlock	1st quality, 18 inch	4 75 5 00
Shingles, pine,	1st quanty, 18 inch	4 00 4 30
		8 50 3 75
		3 25 4 00
		4 50 4 60
" cedar	1st " 18 inch	2 20 2 50
" "		
Hemlock,	186 10 11011.	
Spruce,		
Mich. pine shir	ngles, best quality 18	14 15
Pickets, pine, 1	st quanty, nat	
	st " square	10 11
Lath		00 2 00
	State Miles and State of the St	

SALES.

Last Week.

Albany, New York.

From the Albany Argus.

With the exception of some large sales of 1½ inch box, amounting in all to perhaps two millions and a half feet of the most desirable stock in market. We hear of nothing that will in any way affect the even tenor of things that have existed for the last few weeks. The impression continues to gain ground that in a week or two an advance in prices may be expected.

The reports that reach us from Cana-

da are that many of the mills are shutting down for the rest of the season, and there is a decided inclination to reduce productions so long as the present unsatisfactory state of trade continues; at present not much lumber is leaving the mills, and so far little or nothing has been done about arrangements for next winter's operations.

The shipment from the Ottawa of 160,000 feet by the American barge W. F. Torrance for Whitehall is reported.

At Chicago the reported receipts of lumber, by lake, to the 11th of August were 590,918,000 feet against 609,615,000 feet the year previous; the shipments from January 1st, are 335,155,000 feet against 320,368,000 feet the previous year.

Canal freights from Buffalo to Albany are higher: \$5.00 \$\mathcal{B}\$ M feet for pine and 6.00 for hard wood; from Oswego 2.88.

The receipts at Albany by the Erie and Champlain canals during the second week of August were:

Bds.&Sc'tl,g ft. Shingles M. Tim'r c ft. Staves, lbs. 1873..12,779,700

Of the boards and scantling received 3,211,700 feet were by the Erie, and 3,858,700 feet by the Champlain canal.

River and eastern freights are quoted as follows:

To New York per M\$		25
To Bridgeport	2	00
To New Haven	2	00
	9	50
To Providence		00
To Pawtucket		
To Norwalk		75
To Hartford		75
To Middletown	2	25
To New London	2	50
	9	75
To Philadelphia		00
To Baltimore		00
To Richmond, Va		
To Boston, softwood		00
To Boston, Hardwood	6	00
		ha
The present current quotations	טו נ	ΠG

The present current quotations of the

vards are:	1 525	17	
Tilma alaamiin m	\$55	00@58	00
Pine, common & m			
Pine, clab board strips		@48	
Pine, 10 inch plank, each		88@	4
Pine, 10 inch plank, culls, each		21@	23
Pine, 10 inch boards, each	10	270	31
Time to luck board onlin each		160	18
Pine, 10 inch boards, 16 ft, # m	98	00/28	04
Pine, 10 inch boards, 10 tt, & m	98	00020	Of
Pine, 12 inch boards, 16 ft, & m	95	00@28	OK
Pine, 12 inch boards, 13 ft, P m		00@44	O
Pine 1% inch siding, select, \$ m		@18	00
Pine, 1% inch siding, common, \$ m	-	00@42	O
Pine, 1 inch siding, selected, " m		000010	O
Pine, 1 inch siding, common, " m		00@18	1
Spruce boards, each		@	
Spruce plank, 1% inch, each		@	2
Spruce plank 2 inch, each	7 15	@	ī
Spruce, wall strips, each		@	
Hemlock boords, each		@	1

	i Dumoerman. 019
Hemlock boards, 4x6, each	T 14 1 10 10 10 10 10 10 10 10 10 10 10 10 1
Hemlock joists, 2 k x4, each	Yard timber 12 to 16 ft, 4x6 to 8x8 14 00@ '' 18 and 20 ft 16 00@ Fiat pickets, rough
Hemlock wall strips, 2x4, each @ 12	Flat nickets rough 17 500
Hemlock plank, 2 inch, each @ 30	Flat clear pickets, dressed and headed
Black Walnut, good, # m 75 00@85 00	Flat pickers, Fough
Black Walnut % inch, & m 75 00@78 00	1% inch square pickts, rough 15 00@
Black Walnut, % inch, & m 75 00@80 00	" dres'd and headed 85 00@
Sycamore, 1 inch & m	O. G. clear battons, 2% inches wide 11 00@
White wood chair plant 30 m	" 2½ " 9 50@
White wood, 1 inch, and thick 30 m 38 00045 00	. G. 2d quality battons 2% in wide 9 00@
White wood, % inch, # m	. G. 2d quality battons 2% in wide 9 oog
Ash, good, \$\psi\$ m 38 00@43 00	YELLOW PINE.
Ash, second quality, # m 25 00@30 00	1st and 2d clear flooring 5 in (count) 85 00@37 50
Oak. good, \$\psi\$ m 38 00@45 00	1st and 2d clear flooring mixed
Cherry good as m 25 00@80 00	widths, (tape)
Cherry, common 39 m	width (tane) 88 00@40 00
Birch, \$\psi\$ m	Com flooring, mixed widths (tape) 25 00@ 6 in (count)
Beech, # m 20 00@25 00	" 6 in (count) 27 to@
Basswood, # m 22 00@25 00	1st and 2 clear boards 10 in and over 49 00@
Hickory, # m 40 00@45 00	1½ in 45 00@
Chastrut as 22 00@80 00	1½ in 1st and clear flooring (tape) 37 502 1½ inch common flooring (tape) 27 00@ Common boards, rough 17 50@ Common fencing 17 50@
Shingles shaved nine say m	Common boards rough 17 500
Shingles, do. 2d quality sp m	Common fencing
Shingles, extra sawed pine. & m 5 50@ 5 75	POPLAR,
Shingles, clear sawed pine, & m (a) 4 50	Int and the class of the court to
Shingles, sawed 3d quality, \$\pm m 2 50@ 2 75	1st and 2d clear siding (not dry) 18 00@ 6-16 in ceiling (count) dres'd, plain 20 00@ 1st and 2d clear 1 in 40 00@ 1½, 1½ and 2 in 40 00@ Common flooring dressed, (count) 27 50@ Fencing
Shingles, cedar, \$\psi\$ m 3 00@ 5 25	let and 2d clear 1 in 40 000
Shingles, hemlock, P m @ 3 00	14 14 and 2 in 40 00@
Lath springs and m	Common flooring dressed, (count) 27 50/a
Lath, pine 39 m	Fencing 15 00@
(L) 2 30	SHINGLES AND LATH.
CONTRACTOR AND ADDRESS OF THE PARTY OF THE P	A sawed shingles
	Star No. 1 (clear wrapper) 300@
St. Louis, Mo.	Star No 1 2 50@
	City lath 3 25@8 50
From the Commercial Gazette.	HARD WOOD-DRY-Levee Rates.
WHITE PINE.	Walnut, choice # M 45 00@50 00
1 inch 2d clear	Walnut, choice. \$\psi\$ M \$45 00(\frac{2}{6}50 00)\$ Walnut common. 30 00(\frac{2}{6}40 00)\$ Walnut, inferior. 20 00(\frac{2}{6}30 00)\$ Ash. 25 50(\frac{2}{6}30 00)\$ Oak. 16 00(\frac{2}{6}22 00)\$ Hickory. 20 00(\frac{2}{6}35 00)\$ Poplar 2d clear. 21 50(\frac{2}{6}22 50)\$ Poplar 3d rate. 13 00(\frac{2}{6}14 00)\$ Cedar, sawed. 32 50(\frac{2}{6}35 00)\$ Cedar, posts. 30 (\frac{2}{6}20 00)\$
1 inch 31 clear, 7 to 8 inches	Ash 25 60@80 00
1 inch select (Siar)	Oak
1%, 1% and 2 inch 2d clear	Hickory 20 00@35 00
1 " select (Star) 40 00@45 00	Poplar 2d clear 21 50@22 50
Aclear stock boards, 12 inch 40	Poplar 3d rate
B 27 50@30 00	Cedar, sawed
A how heards 18 00@20 00	Cedar, newn 20 (25 00
B " " 80 0000 20 50	Vard rates are for dry, and are from \$7 to \$10
B " "	Vard rates are for dry, and are from \$7 to \$10
B "	
B ' ' 30 00@32 50 1st clear flooring dressed (count) 50 00@ 1st common '' 36 00@37 50 2d common '' 26 00@30 00	Yard rates are for dry, and are from \$7 to \$10 higher. Charges for dressing rough lumber—one
B " 30 00@32 50 1st clear flooring dressed (count) 50 00@ 1st common " 36 00@37 50 2d common " 26 00@30 00 Sel. fencing flooring " 19 00@22 50	Yard rates are for dry, and are from \$7 to \$10 higher. Charges for dressing rough lumber—one
B " 30 00@32 50 1st clear flooring dressed (count) 50 00@ 1st common " 36 00@37 50 2d common " 26 00@30 75 Sel fencing flooring " 19 00@22 50 1st and 2d clear siding 24 00@ 1st common " 41 00@20 70	Yard rates are for dry, and are from \$7 to \$10 higher. Charges for dressing rough lumber—one side \$2; two sides \$3.
B " 30 00@32 50 1st clear flooring dressed (count) 50 00@ 1st common " 36 00@37 50 2d common " 26 00@30 00 Sel. fencing flooring " 19 00@ 22 50 1st and 2d clear siding 24 00@ 1st common " 21 00@32 00 2d " " 15 00@30 00	Yard rates are for dry, and are from \$7 to \$10 higher. Charges for dressing rough lumber—one side \$2; two sides \$3. Saginaw, Michigan.
B " 30 00@32 50 1st clear flooring dressed (count) 50 00@ 1st common " 36 00@37 50 2d common " 26 00@30 00 -Sel fencing flooring " 19 00@22 50 1st and 2d clear siding 24 00@ 1st common " 21 00@23 00 2d " 16 00@ Select fencing 12 50@	Yard rates are for dry, and are from \$7 to \$10 higher. Charges for dressing rough lumber—one side \$2; two sides \$3. Saginaw, Michigan. From the Saginaw Courier.
B " 30 00@32 50 1st clear flooring dressed (count) 50 00@37 50 2d common " 56 00@37 50 2d common " 26 00@30 00 Sel fencing flooring 19 00@22 50 1st and 2d clear siding 24 00@ 1st common " 21 00@23 00 2d " 21 00@30 00 Select fencing 12 50@ Select fencing 12 50@ Mich common ceiling dressed, count.	Yard rates are for dry, and are from \$7 to \$10 higher. Charges for dressing rough lumber—one side \$2; two sides \$3. Saginaw, Michigan. From the Saginaw Courier. BOUGH LUMBER, CAR LOTS.
1 inch narrow extra common 22 50@ 1½, 1½ and 2 inch 2d clear 52 50@55 00 1 "select (Star) 40 00@45 00 Aclear stock boards, 12 inch 40 B "" 27 50@30 00 C "" 18 00@20 00 A box boards 10 inch 40 B "" 30 00@22 50 Ist clear flooring dressed (count) 50 00@ 1st common "" 26 00@30 00 Sel fencing flooring " 19 00@22 50 Ist and 2d clear siding 24 00@ 1st common "" 21 00@23 00 2d "" 16 00@25 00 Sel fencing flooring " 16 00@25 00 Sel fencing flooring " 17 00@25 00 Sel fencing flooring " 18 00@25 00 Sel fencing flooring " 19 00@25 00 Sel fencing flooring " 18 00@25 00 Select fencing 12 50@	Yard rates are for dry, and are from \$7 to \$10 higher. Charges for dressing rough lumber—one side \$2; two sides \$3. Saginaw, Michigan. From the Saginaw Courier. BOUGH LUMBER, CAR LOTS.
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% inch 1st common ceiling dressed 20 00@	Yard rates are for dry, and are from \$7 to \$10 higher. Charges for dressing rough lumber—one side \$2; two sides \$3.

DRESSED LUMBER.		
Siding No. 1 clear	20	00
" No. 2	14	00
" No. 3	10	00
Flooring No. 1, 6 in	25	00
" No. 2, select 6 inch	20	00
66 No. 3 do common		
Ceiling No. 1, clear	30	00
" No. 2	20	00
" No. 8	10	00
Clear boards, s 1 side, 7 to 20 in	35	00
No. 9 " " " "	30	00
No. 3 boards, select 7 to 20 in, s one side	25	00
No. 3 boards, select 7 to 20 in, sone side Common boards,	15	00

Pacific Coast.

		-		-	3-3-30	LES SECTION	
Pine, pu	g. snd.	and or.	3 an	d 4 in.	₩M 20	00@	
Do for S	t. work.				1	7 0'@	
Do 2-in	for side	walks			20	0 000	
Do floor	ing and	stepping	1st	qualit	y 3	000	
Do do 2	donalit	V			2	5 00@	
Redwood	d rongh				20	000	
1664 1100	refuse				10	5 00æ	
Pickets,	rough				18	000	
FICACIS,	nointe	d b		••••	26	000	
**	fanar				3	0.000	
Redwood	A flooring	or Tand	4 6	arface	1 3	50@35	00
neu wood	44	refuse		ur race	9!	00@28	90
"		rustic	••••	•••••	25	3 000	••
Surfaced	l 1/ in al	Tustic		*****	20	506 35	00
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P. Orfor	u cedar-	-nrst qu	iatity		97	500045	00
		second			06	00@21	00
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"	2d	"			40	00000	00
"	3d	"		• • • • • •	20	00@27	50
Laths					5	00@ 5	50
Shir gles					2	50@	
Battens,	₩ ft					*@	
911/02/02	1911					10/3/	

New York City.

Spruce	, eastern, per m. ft
Bird's-	eye maple logs, per sup It
Black v	walnut logs 6
Black v	valnut, figured and blistered 8@ 25
Vellow	nine timber, Georgia 2760 30
White o	oak logs, per cubic feet 45@ 50
White	nak plank. per m. feet bu out a so ou
White 1	pine shipping boards25 00@28 00
MAI	HOGANY, CEDAR AND ROSEWOOD-DUTY FREE.
Mahoga	any, St. Domingo, crotches, per ft 25 @70
"	102810 (25
**	Cuba, logs10 @14
64	Port-an-Piatt, crotches 20 (40
**	" logs 10 @18
46	Neuvitas
**	Mansanilla 10 @15
46	Mexican logs, small12 @16
46	Honduras, logs 8 @12
66	" "10 @12
Cedar.	Mansanilla 8%@ 9%
46	" small 7 @ 83
66	Mexican, logs 8 @13
**	Honduras, logs 9 @10
44	Florida, per cubic ft
Rosewo	od, ordinary to good Rio, per lb 2 @ 4
. 61	good to fine Rio 4 @ 8
**	ord nary to good Bahia 2 @ 3
"	good to fine Bahia 3%@ 7

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WHEAT.

From the Milwaukee Journal of Commerce

The year 1874 will be marked by more anomalous departures from the ordinary laws of trade than any preceding it. The recent course of the wheat market only presents one more confirmation of this statement.

Heretofore abundance of money has enhanced the price of wheat, especially when abundance of money was accompanied by meagre wheat receipts. This year the laws of supply and demand seem to be reversed, and in spite of the elements in the trade that would naturally point to an advance, wheat has continually declined in price, since the opening of the season, and at this date seems to be in the midst of a downward panic, the end of which no man in the trade can foresee. It is an appropriate time we think to take a cool view of the situation with the desire and hope of bringing out of the seeming chaos something of value to those who have wheat to sell, as well as to those whose business it is to buy.

A GENERAL VIEW OF THE SITUATION shows the facts as follows:

The great consumer of the surplus wheat of the world for the last thirty years has been England. Last year England was obliged to import some 85,000,000 bushels. The over-production required to supply England's want has come from Russia and the United States. It is necessary in order to come at a conception of the truth to keep constantly in mind the ordinary law of supply and demand.

The supply of wheat comes from the following points:

The Black Sea.

- Diack

France.

Chili.

California and Oregon.

The Northwestern States.

The demand is from

England and Spain, and nowhere else. The crop in Russia is good, save a small strip around Odessa, leaving the ordinary amount for export. The crop in France is probably the best ever harvested, making that country this year an exporter, whereas it was last year substantially an importer of wheat. (France, be it understood, regularly imports wheat from Egypt and the Black Sea, while the northern portions, as in the present year, usually send a large surplus to England, Belgium, etc.) Chili has a most abundant crop, much of which is now on the way to Europe. California and Oregon have a larger crop than ever before.

The northwest has suffered somewhat by the scourge of grasshoppers, which has at some local points nearly destroyed the crops. Yet considering the increased breadth of land sown, added to what comes from the absolutely new wheat growing regions of Kansas and Nebraska—which imported wheat five years ago, and are now exporting it to Chicago at the rate of 50,000 bushels per day—we are safe in expecting larger receipts at the lake ports of Milwaukee and Chicago for the coming year than ever before. So

much for the supply. The demand from England will be about as great as it was last year, but it will come late. The season there has been exceedingly dry—so dry as to nearly destroy the crop of hay, but not sufficiently so as to destroy the wheat. In fact wheat in Great Britain has proved a most bountiful crop, and has been harvested in good order. The wheat-raisers in England are mostly tenants and pay their rent semiannually, depending on their hay crop and miscellaneous products for the payment of their September rents, and on their wheat and stock for the payment of their March rents. The hay crop is a failure, and in order to pay their September rent they are, contrary to all precedent, rushing wheat that would ordinarily lie in the bins until after Christmas to market now to pay their September rents. This circumstance may, in a measure, account for the present decline in Liverpool. But it does not supply the wants of England for next March. It is true that the deficit in England's wheat crop is only about seven per cent. this year against nearly 30 per cent. last year; but the almost total failure of the hay crop will create an unusual demand for cereals, and, we think, will make England's call for wheat very nearly as large as it was last year.

Spain is undoubtedly, owing to drought and neglect of cultivation, terribly short of wheat, whether the inhabitants of Spain can pay for the wheat they require; or whether they will starve is a question that we cannot determine. We feel, however, quite sure that the prices in Spain to-day would be equivalent to \$1.00 per bushel here in gold.

We have made these statements of the general situation that our readers may the more easily comprehend the specific situ-

ation of the

MILWAUKEE WHEAT MARKET.

We give the following table showing the amount in store, sales, receipts, shipments and daily price for cash wheat for nineteen days:

Shipped. Price.	22,300 1 07 %	350 1 1	570 1 1	325 1	800 1	830 1	47,800 1 10	500 1 10		42,383 1 08%	1 08	200 1	111,452 1 07	1 04%	85,000 1 03	-			205,322 93	16 000'091
Received. 81	14,935	11,280	8,050	11,543	086.6		16,900	18.900	26,250	26.620	48,050	38 500	89,950	68,000	81.775	77,000	103 600	108.350	131,600	138,000
Sold 1	555,000	000,769	730,000	1.000.000	•	525,000	415,000	477,000	695,000	660.900	485,000	520,000	590.000	755,000		1,175,000	1 365 000	755,000	495.000	625,000
In Store.	918,000	922,000	851,000			735,000	735,000	608,000	566.000	563.000	536,000	646,000	646 000	547,000	589,000	487 000	463,000	433,000	360 345	464,000
Date.	August 3		140		10	- a	10	11	10	200	14	14	14	81	101	00	200	170	970	255

Since August 3d, 1874, No. 2 wheat has declined from 1.071 to 91 cts. on August 25th, 1874—a decline of 16 cts. per bushel, which, by the above table shows the frightful loss to the purchasers of over \$1,000,000. During that time with the aggregate sale of say 14,000,000, the shipments have been only say 1,500,-000, showing plainly that the market is purely speculative, and further that it is largely over sold. By a partial knowledge of the facts, as we have here stated them to our readers, the short-sellers have gone forth, thus far " conquering and to conquer," but under the most favorable causes for a decline, a point must be reached when the intrinsic worth of the

product will arrest any further decline. Dealers have, by their persistent shortselling, already put the price below itsnatural level, and we expect to see a reaction soon that will bring great grief to those who have sold wheat for future delivery. If the receipts should be small: during September, and the legitimate shipping demand as large as usual, those who have sold what they have not got, will change places with those who are now sweating under the load they bought but cannot pay for. It is not probable that. the immense short line out, here and in Chicago, can be covered without bringing: about an advancing panic, for the following reasons:

1st. It is well known who is short, and they have no friends among the dealers outside the ring—nor among country

shippers.

2d. The short sellers have forced prices so low that many of the long buyers cannot take the wheat.

3d.—Farmers will not sell wheat freely at present prices, consequently receipts for September will be lighter than for any corresponding month for ten years.

Regarding the facts in the case, as we have stated them, and considering the local incidents of the trade, as shown in the above table, we conclude that wheat has been over-sold both in Milwaukee and in Chicago, and that a reaction is imminent, which will put wheat as much above its intrinsic worth as it is now below.

Although there is a large supply of wheat in the world, it is a commodity that is not perishable. And since the cupidity of short sellers has taken such undue advantage of the situation as to force prices below the cost of production, they will doubtless learn the truth of the couplet so commonly quoted during the war:

"He who sells what is not his'n, Must either pay, or go to prison."

We have little to say that can give consolation to those who have already a load of high priced wheat, but we can warn those who are largely short, that there is a storm ahead. We would, at the same time, encourage our farmer friends who have threshed their wheat and are holding it for higher prices, to continue to hold on to it. They now have the game in their own hands. Before the end of the season, the traders who have gone forth to fleece them will, most likely, come back shorn.

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400 acres in sec. 21, 22, 30	360 acres in sec. 14, 18, 24 T. 182, R. 31
	240 acres in sec. 30 T. 40, R. 25
160 acres in sec. 10, 22, 24, 34	380 acres in sec. 3, 22, 24, 26 T. 40, R. 29
877 acres in sec. 6, 11, 18, 14, 24, 25, 33, 34. T. 188, R. 25	320 acres in sec. 6, 10, 28, 34
160 acres in sec. 8 T. 137, R. 38	360 acres in sec. 10, 14, 26, 34 T. 51, R. 27
240 acres in sec. 4, 18	320 acres in sec. 14, 22, 26, 30, 34 T. 53, R. 26
480 acres in sec. 10, 14, 24	160 acres in Wisconsin, sec. 30, T. 44, R. 2 W., near
200 acres in sec. 18 T. 132, R. 30	crossing of Wisconsin C. R. R.

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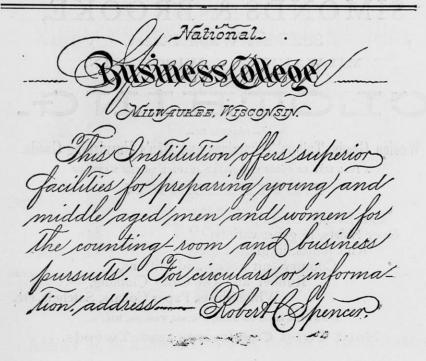
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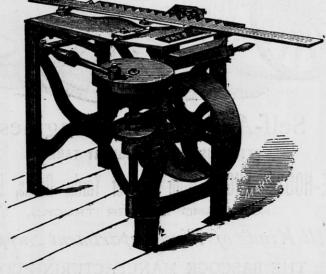
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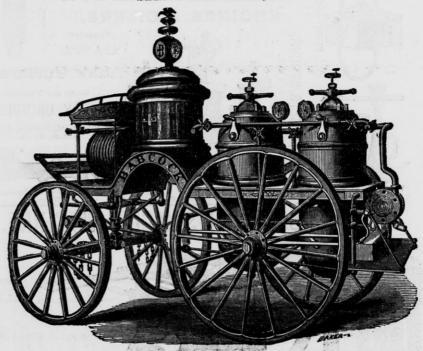


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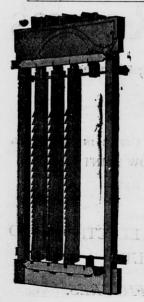
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"North—" 8.30 A.M.Fr't-12.05P.M

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IMPORTANT TO MILL OWNERS AND MACHINISTS.

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Nos. 5 and 6 are about ½ of an inch thick, and are those most used, and will usually be found the most available for all purposes. For mill men and machinists, for pulteys and packing, and to founders for raising patterns, this article is almost indispensable, and in all our experience we have never found parties, who having used it, would return again to the use of wood, rubber or leather.

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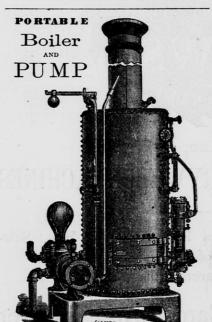


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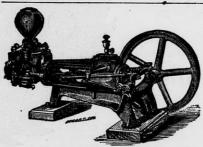


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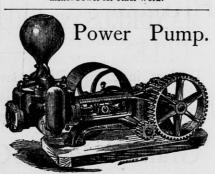


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Packed in quantities to suit the demand of the camp

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ST. Louis.

LUMBERMEN'S REGISTER.

The Lumbermen's Register is a special feature of The Wisconsin Lumberman. We have devoted much time and labor in obtaining and classifying the names of the lumbering firms of Wisconsin, Michigan, Minnesota, Iowa, Nebraska, Missouri, Kansas and Chicago. The Register may yet be incomplete, but it is as perfect as we have been able to compile it up to the present date. We ask, now, that lumbermen send us any corrections or additions that will assist us in making the Register absolutely perfect, and that they will send us notice of new firms formed or old ones dissolved. We want the name of every reliable firm. Assist us in obtaining them. In our classification it will be noticed that in Missouri, Kansas and Nebraska, the term "saw mill" is used in many instances; the term refers to the local hard-wood mills. We have classed the manufacturers as manufacturers and dealers, because it is generally understood that saw-mill proprietors are at least wholesale dealers.

	GENERAL	CLASSIFICATION.
m and d		
d		
8 m		Shingle Manufacturers
p m		Planing Mills
Sash, doors, &	c.,	Manufacturers of Sash, Doors, &c.
Saw mill		Hardwood Mills
Staves		Stave Manufacturors
Logger	Jobber or logger wl	no sells his logs or has them sawed by custom
A D .		

Our Register is more incomplete in reference to loggers than to any other class of lumbermen. That department will be perfected as rapidly as we can obtain the names.

WISCONSIN.

	A TOCK
Upham Chas M & Bro m and d	ngelica
McCartney D m and d	
Oleson & Co m and d	
Ulinton McLaren & Co m and d	
Hall A & Co m and d	hnapee
Brammer Henry & Co m and d	
Young D m and d	
Sawyer P m and d	ligoma
Lederer B W sash doors etc	pieton
Spaulding G W & Co staves	
whorion Bros m and d	
Rose & Heath	
Door & Steele m and d	
TORKER S.J. d	Arena
Goodrich J & Co logger	ugusta
Stone J F & Son m and d	
Randall S logger	
Bowen E. Ashland Lumber Co m and d	libany
	sniand
White & Dunbar, sash, doors, etc	
Cary Bros m and d Auro Flower J H, I Obrecht Christion d B	raville
Flower J H,	Bangor
Obrecht Christion d	araboo
Dassett win P staves	
rratt 8 m	
Baraboo Manufacturing Co	
Wolcott W W sash, doors, etc	
Balley D R. But Ham Henry sash doors etc	udwin
St. Louis & Wisconsin River Co,B	
"OUGIOFG & Havis m and d	tarton
R D Pike m and d Rr	blady
Townsend & Co, d Spring c Second Beave	r Dam

NSIN.
Gratiot E H d Belmont Gray James p m. Beloit Weed J H & Co d Beloit Peck S W d Beloit
Talbot H G d Rorlin
Cohn L S m and d Dammond & Co m and d Big Lester Bay Bates Geo d Black Earth
Ward G S & Bro d
Price WT logger Brack River Falls Bright & Wither loggers Black River Falls
Merrill L G m and d
Elliott A m and d
Spaulding D J m and d Bump Mark logger
Burchard Harrison logger Porter W B logger
Sawyer AE logger
Dickson John and James
Briggs & Barnes Boaz Bucker A Buffalo
Rouch & ErdingBonduel P O Somers W & Bro m and d
Schwahl & Somers m and d
Weston, Miner & Co m and d (Necedah)
Perce & Sly m and d
Beach & Bi-hop dBrillion- Bowen E dBrodhead:
Thompson C C d
Usher & Hassinger d

Stevens & Lyons dBurnett Junction	Mather & Lowrie d
Fay C B & Co m and d Casco Horn F W m and d Cedarburg	Isabelle Mill Co m and d Esdaile
Horn F W m and d Cedarburg	Foot, Foster & Co m and dEureka
Hilgen & Son m and d	Foot, Foster & Co m and d Eureka Avery A H m and d Excelsior Mosier W S m and d
Wehausen Henry m and d	Pearson & Pake mandd
Deniston J C d	Pearson & Pake m and d
Staves J M d	Randall, Simeon d Fall Creek Station
Neff D dCalamine	Anderson C B dFall River
Bock Chas dCalumet	Fineld E dEvansvine
Myers Jas d	Johnson D & Co d
Tisch Chas d	Mack H & Bro m and d Evanswood Cook & Foster m and d Fort Howard
Harris Bros m and dCato	Lamb, Watson & Co m and d
Rix Bros m and d	C Schwartz & Co sash doors etc
Edwards J & Co m and dCentralia	Laird J. P. & Co m and d
-Garrison O & Co m and d	Gray Oscar m and d
Lefevre H,	Griffith J Q & Son m and dFond du Lac
Lyon R C s m	Hamilton I K & W C loggers
Clark & Scott m and d Cherlestown	Hamilton I K & W C loggers
Graves James m and d	Lewis & Steenberg sash doors etc
Priest, Coburn & Co p m	McCourt E sash doors etc
Priest, Coburn & Co p m	McDonald & Stewart sash doors etc
Marriet, La Beulf & Co loggers	Parker N & Co d Stevely & Higbee p m
Vincent, Monelert & Co loggers	McDonald John logger
Clark Ira m and d	Wiley Dr logger
Tuft Jas shingle dealer	Wiley Dr logger Gainer James logger Chicago & N W Co's mill m and d Webster N D logger
Lampheer H P d Clinton	Chicago & N W Co's mill m and d
Wilcox Bros & Co d	Webster N D logger
Colby Mill Co m and d Colby	Meyer Charles J L sash doors etc
Graves JS m and d	Merryman & Co m and d
Bond A D dColumbus Long & Henderson d	McDonald Alexander m and d Sexmith G W m and d
P P Parnham d	Moore, Galloway & Baker m and d
Aldrich V M d Connerstown	Parker N & Co
Wright P & Bro m and d	Mihills U D & Co sash doors etc Hamilton & Finley m and d
	Hamilton & Finley m and d
James T & Co dDarlington	Hunter George logger
James T & Co d. Darlington Carpenter H N d Woodward T saw mill	Curtis & Cornish d. Fort Atkinson Wilcox, Southwell & Co. d. Fortin City
Clark H dDeansville	Matthaies F & C m and d
Ross H J & Co d Delevan	Matthales F & C m and d Fountain City Bowman W m and d Frankfort Frankfort
Ross H J & Co d Delevan Gormley Watson & Co d. Delevan Blake Samuel m and d. DePere	Arpkee F m and dFranklin Archer & Johnson m and dFrankville
Blake Samuel m and d	Archer & Johnson m and dFrankville
Smith R F. m and d	Arnold G M m and d
Reid A. pm	Cooley & Race m and dFredonia
McLelland John m and d	Cooley & McEvoy staves etc
Marsh G S m and d	
Monroe John m and d	Edwards J & Co m and d Frenchville
Struthers Themas sash doors etc	Sterns & Son staves Galesville Freeman A W d. Genos
Hiles G m and dDexterville	Freeman A W d
Remington H W m and d	
Worth C M & A K 8 M De Solo	Natchway H, Gibson Olds & Lord m and d. Glenmond
Plummer & Morse m and d	Freeman O. & W. d. Genoa Junction Stewart Bros d. Genese
Hoard & Earl dDoylestown	Stewart Bros d Genesee
Knapp, Stout & Co m and d (Menomonee). Dunnville Baker & Lee dElkhorn	Arben A logger Grand Kapids
Baker & Lee dElkhorn	But'er & Smith sash doors etc
Larson & Olsen m and d	Edwards John & Co m and d
Eau Claire Lumber Co m and dEau Claire Rathbone N S logger	Hertel Fred p m (Centralia) Trahern W C
Rundle & Free sash doors etc	Arpen J logger
Wheaton Lumber & M'f'g Co m and d	Byron F m and d
Northwestern Lumber Co m and d	Clark & Scott m and d
Bangs & Fish p m	Neeves Geo & Son m and d
Boyd A m and d	Rat n John m and d
Estabrook W B m and d Eau Claire	Roe a Butterfield m and d
Ingram & Kennedy m and d	Scott's 39 B m and dGrand Rapids
Graham, White & Co m and d	Whipple % E s m
Ingram & Kennedy m and d	
Robson John m and d	Hickerson N H
Daniel Shaw & Co m and d	Modlin Hanny
Torrent E m and d	Earle & Case s m
Tarrant E m and d	Willard Lamb m and d
Carson & Rand m and d Eau Galle	McIntosh C E s m
Week John m and d	Lamb, Watson & Co m and d
Hutchinson & Bro m and d	Woodruff J W & Co m and d
Brown R R d. Edgerton Huntley & Co d. Elroy	Anton Burkhart p m
Webster & Palmer m and dEmbarrass	Klaus Anton m and d

Marshall & Darling s m	Leigh I mand d
Herling Theo m and dGreen Bush	Leigh J m and d Mikeljohn James m a Gardner & Co m and Conn A C & Co m and
Suitz, Lewis & Henry m and d	Gardner & Co m and
Ewing Thos m and d	Conn A C & Co m and
Mills J D d Hartland	Olsen Geo & Co
King P & Son d Helens	Snow W H d
Fisher I	Usen Geo & Co. Zeider L, Snow W H d Smith D F m and d McMillan A d Eighmy Freeman d Bunker & Vroman d Sorenson & Fredericks.
Briggs & Son mand d	Smith DF m and d
Gowell, Logan & McMurdo m and d	McMillan A d
Redout Bros sash doors etc	Bunker & Vromen
Whitman & Morse m and d	Sorenson & Fredericks
Palmer H G & Co m and d	Stein C R d Taylor C L staves
White & Jones sash doors etc	Taylor C L staves .
King G W logger Humbird	Cooper & Jones. Woerfel E staves. Guyles & Pankratz d.
J Kablin pail and tub factory Hurleyville	Guyles & Pankratz d
Roberts John dIron Ridge	Hubbard H F d Zander & Co p m Klingholz Charles m s Pierce Plinn
Fifield, D K d	Zander & Co p m
Lovejoy & Blount d	Ringholz Charles ma
Jeffries David d	Pierce Plinn Reune Chas m and d. Brayton L J d
Schutt U d	Brayton L J d
Andrews F M & Co m and d	Green J S d
Matthews Thos m and dJenny	Hamilton, Merryman C
Kline & Kyes, loggers	Green JS d
Redout Bros sash doors etc. Whitman & Morse m and d. Baldwin D A m and d. Hudson Palmer H G & Co m and d. White & Jones sash doors etc. King G W logger. J Kablin pail and tub factory. Hurleyville Roberts John d. Lron Ridge Blair J d. Lovejoy & Blount d. Janesville Fifield, D K d. Lovejoy & Blount d. Jeffres David d. Schutt U d. Hitchcock & Reind d. Andrews F M & Co m and d. Jeffres on Matthews Thos m and d. Kline & Kyes, logger s. McInnis R, logger McInnis R, logger Molinis R	Menominee Mfg Co m Spaulding, Houghtaling McCartney Wm m and N Ludington Co m an Whitbeck H Co m and Bartlett L H d Craig & Maroney sash King Walter staves Webster C m and d
Streeter H. logger	McCartney Wm m and
Sailes Bros. loggers	N Ludington Co m an
Dereg M, logger	Bartlett I U a m and
Dereg Owen, logger	Craig & Maroney each
Combs H, logger	King Walter staves
Sutherlan Sol	Webster C m and d
Knapp J R dJuda	Bronson D W d
Taber J B &o	Mitchell Wathin to Co
Backus N G dKenosha	Webster C m and d Bronson D W d Hewitt Henry, Jr logg Mitchell, Watkie & Co Potter & Dutchman m Schneider & Ruth
Matthews Thos m and d. Kline & Kyes, loggers McInnis R, logger Young 6id, logger Streeter H, logger Dereg M, logger Dereg Wen, logger Jewett AS & Sons m and d. Jewett's Mills Sutherlan Sol, Juda Knapp J R d. Juneau Taber J B & So. Kansasville Backus N G d. Kenosha Harrison W M p m Head & Southerland d. Grant & Son, Market d. Truesdell Gideon, 3 Main d. Hitchcock & Mashek m and d. Kewaunee Slauson, Grimmer & Co m and d. Stranky W m and d. Dikeman & Latimer sm. Walker, Munger & Co sash doors etc. Kilbourn City Britton C W m and d. Brook V logger. Knowlton Wallace & Redford m and d. Stark Bros, m and d. Kossuth Kossuth	Schneider & Ruth pm Spaulding, Houghtaling
Grant & Son Market d	Spaulding, Houghtaling
Truesdell Gideon, 3 Main d	Stephenson T & Co m : Knapp, Stout & Co m Brand & Christmann n
Hitchcock & Mashek m and d Kewannee	Brand & Christmann
Slauson, Grimmer & Co m and d	Baldwin m
Dikeman & Latimer a m	Bainbridge W,
Walker, Munger & Co sash doors etc Kilbourn City	Harker & Bainbridge
Britton C W m and dKinnickinnic	Brown & Evans mand
Welless & Badend Knowlton	Dunham L m and d
Stark Bros, m and d	Dunham L m and d Lucas & Bro m and d.
Cloespeck M m and d	Wight S s m
Kellnor M m and d	Hutchinson Ismee d
Black River Improvement Co,LaCrosse	White S d
McDonald Bros loggers	White S d
Salzer G. J.	Williams J W saw mill
Crosby W. W m and d	Dodge Churchill & Co
Coleman C L m and d	Dodge & Davenport d
Mooer R M logger	Rood J L d Dessert J R m and d Kronenwetter S m and Garland J d
Bright & Withee m and d	Dessert J R m and d
Lill & Fouroer m and d	Garland J d
Hewett & Woods m and d	Bull & Bowers.
A & D D Wastilland and d	Bull & Bowers, Houghton Geo G & Co is Schroeder & Steinman, d
Nevins 8 L. m and d	Schroeder & Steinman, d
Paul John m and dLaCrosse	Ernst Herzer, Planing m
Polleys W H logger	H. Jalass & Co. planing
Sill Wm P	Brockhaus & Bradley, pl
Vincent & Edwards d	Nic. Schuh & Son, deale
Washburne C C m and d.	schroeder & Steinman, de Ernst Herzer, Planing mi Wm. Willer, planing mi H. Jalass & Co., planing Brockhaus & Bradley, pl Nic. Schuh & Son, deale: Rodway, Conway & Co, Sanger, Rockwell & Co, s Engelmann, Babcock & Ewing Thos K commissions weston Bross. mannfacture.
Weston R S m and d	Engelmann Babcock
Goddard H logger	Ewing Thos K commissi
Hankerson A H. Jogger	Weston Bros, manufactur
La Crosse Lumber Co m and d	Mayhew Bros d
Mitchell A S p m LaCrosso	Mayhew Bros d Durr & Rugee d Schmidt & Reichel d
Ross Robert m and d	
Robson John m and d Lafayette	Comstock L & Co m and Chandler Walter S d Seyfried Martin d
Sanford G P & Co d	Chandler Walter S d
Stark Bros, m and d. Cloespeck M m and d. Black River Improvement Co,. Black River Improvement Co,. LaCrosse Hogan & Chamberalin loggers Salzer G. J. Crosby W. W m and d. Coleman C L m and d. Gle & Holway m and d. Coleman C L m and d. Lill & Fouroer m and d. Lill & Fouroer m and d. Hewett & Woods m and d. Hixon & Withee m and d. Hixon & Withee m and d. A & D D McMillan loggers. Nevins S L m and d. Polleys W H logger. Sill Wm R logger. Sill Wm R logger. Sill Wm R logger. Goddard H logger. Goddard H logger. Hankerson A H logger. LaCrosse Ross Robert m and d. Barron John m and d. LaCrosse Ross Robert m and d. Barron John m and d. LaCrosse	beyined Martin d

Leigh J m and d. Little River M'ills. Mikeljohn James m and d. Little Wolf Gardner & Co m and d. Little Suamico Conn A C & Co m and d. Little Suamico Olsen Geo & Co.
Gardner & Co. m and d Little Wolf
Conn A C & Co m and d
Gardner & Co mand d. Little Suamico Conn A C & Co mand d. Olsen Geo & Co. Zeider L. Lomira Snow W H d. Lowell Smith D F m and d. Luck McMillan A d. Luck McMillan A d. Lyndon Eighmy Freeman d. Mc Farland Bunker & Vroman d. Mc Farland Bunker & Vroman d. Mc Farland Bunker & Vroman d. Madison. Sorenson & Frederickson p m. Madison. Sorenson & Frederickson p m. Madison. Sorenson & Frederickson p m. Madison. Woerfel E staves. Manitowoc Woerfel E staves. Manitowoc Woerfel E staves. Manitowoc Woerfel E staves. Manitowoc Rouyles & Pankratz d. Hubbard H F d. Zander & Co p m. Klingholz Charles m and d. Manitowoc Rapids Pierce Plinn. Reune Chas m and d. Maple Works Brayton L J d. Marquette Green JS d. Marquette Green JS d. Marquette Tweedie & McMaster p m. Menominee Mfg Co m and d. Spaulding, Houghtaling & Johnson m and d. N Ludington Co m and d. Marshall Craig & Maroney sash doors etc. Mauston Kling Walter staves. Webster C m and d. Maxville Bronson D W d. Mazo Manie Hewitt Henry, Jr logger. Menasha Mitchell, Watkie & Co sash doors etc. Menasha Mitchell, Watkie & Co sash doors etc. Menasha Mitchell, Watkie & Co sash doors etc. Potter & Dutchman m and d. Schneider & Ruth p m. Spaulding, Houghtaling & Johnson m&d. Menekaune Stephenson T & Co m and d. Menomonee Brand & Christmann m and d. Montrelier
Snow W H dLomira
Vaedsch & Runkle, Lowell
McMillan A dLuck
Eighmy Freeman d
Sorenson & Frederickson p.m. Madison
Stein C R d
Cooper & Jones
Woerfel E staves
Hubbard H.F. d
Zander & Co p m
Klingholz Charles m and d Manitowoc Rapids
Reune Chas m and d
Green Is d
Hamilton, Merryman Co m and d Marinetta
Tweedle & McMaster p m
Spaulding, Houghtaling & Johnson, mand d
McCartney Wm m and d
N Ludington Co m and d
Bartlett L H d
Craig & Maroney sash doors etcMauston
Webster C m and d
Bronson D W d Mazo Manie
Hewitt Henry, Jr loggerMenasha
Potter & Dutchman m and d
Schneider & Ruth p m
Stephenson T& Co. mand d. Menekaune
Spaulding, Houghtaling & Johnson m&d. Menekaune Stephenson T& Co m and d. Menomonee Brand & Christmann m and d. Montrelier Baldwin m. Montrelier Baldwin m. Mifflin Harker & Bainbridge W. Mifflin Harker & Bainbridge, Mifflin Greene N S& Co, Mifflin Brown & Evans m and d. Mills Centre Dunham L m and d. Mills S s m. Mills S s m
Brand & Christmann m and dMontreller
Bainbridge W
Harker & Bainbridge,Miffin
Brown & Evans mand d Mills Control
Dunham L m and d
Lucas & Bro m and d
Greenman R J dMilton Junction
Hutchinson James d
Weyhausen A m and d Mishiantt
Williams J W saw mill Monroe
Dodge Churchill & Co. n.m. Merrimack
Dodge & Davenport d
Rood J L d
Kronenwetter S m and d
Garland J d Muscoda
Houghton Geo G & Co. mondad Muskego Centre
Schroeder & Steinman, dealers
Ernst Herzer, Planing mill
Greenman R J d. Milton Junction Hutchinson James d. Mineral Point White S d. Mineral Point White S d. Mineral Point Weyhausen A m and d. Mishicott Williams J W saw mill Monroe Loos Charles d. Merrimack Dodge, Churchill & Co p m. Dodge & Davenport d. Rood J L d. Dessert J R m and d. Muscoda Bull & Bowers. Muskego Centre Houghton Geo G & Co m and d. Milwauk ce-Schroeder & Steinman, dealers. Ernst Herzer, Planing mill. Milwauk ce-Wm. Willer, planing mill. Milwauk ce-Wm. Willer, planing mill. Milwauk & Bradley, planing mill. Nic. Schuh & Son, dealers. Rodway, Conway & Co, p m sash, drs, etc Sanger, Rockwell & Co, sash, drs etc, p m Engelmann, Babcock & Salling, m and d Ewing Thos K commission. Weston Bros, manufacturer and dealer. Mayhew Bros d. Durr & Rugee d. Schmidt & Reichel d. Judd T H & Co d. Comstock L & Co m and d. Chandler Walter S d. Seyfried Martin d.
Brockhaus & Bradley, planing mill
Rodway, Conway & Co. p.m. coch. dec.
Sanger, Rockwell & Co, sash, drs etc. o m
Engelmann, Babcock & Salling, m and d
Weston Bros, manufacturer and dealer
Mayhew Bros d
Durr & Rugee d
Judd T H & Co d
Comstock L & Co m and d
Sevfried Martin d

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Brembach Fred dMilwaukee	Neff A & Co p mOshkosh
Mabbett & Foster d	Chapman L C & Co p m
Cimpson P D & Co commission	
Simpson E. B & Co commission	Thompson A p m
Pierce R. W. & Co d	Vandercook & Furgerson p m
Merrill Bros m and dMerrillan	Gould JP sash doors etc
Ketchum H & Co m and d	Porter & Batts sash doors etc
Warren J M logger	Jenkins J & Co m and d
Hayden AS logger	Harris M m and d
Clark S. k. Son logger	Osham & Chalatanaan am
Clark S & Son logger	Osborn & Christenson s.m
Merrill L G m and d	Conlee Bro & Co m and d
Austin G A & Co m and dNeillsville	Lane C & W logger
Gallaher L W sash doors etc	Gill & Son loggers
Gile & Halloway m and d (La Crosse Wis)	Freeborn John logger
Kellogg A S, Neshoto	Turner Bros contractors
Cooper Jones & Co m and d (Two Rivers Wis)	Sturtevant & Son contractors
	Oterrory of Ober James
Cooper, Myers & Co	Stevenson Chas logger
Cooper & Jones	Danforth Joseiah logger
Cooper & Jones	Reynolds Paul contractor
Lamb W,	Jewell, Lawrence & Co loggers
Bradiord, McCoy & Co m and dNecedan	McNair Jas logger
Fuller & Co sash doors etc	Doughty & Bro loggers
Burch G B & Co m and d	Streeter Geo lozger
Dill M P & Co. am	Posterell & MaCond Joseph
Dill M B & Co s m	Rockwell & McCord loggers
Shorey P & Bro m and d	Bray & Chote loggers
Weston T & Co m and d	Lynch John logger
Sherry Henry d	Wall & Fitzgerald loggers
Sanford J B p m	Rumery & Kellogg loggers
Hewitt & Woods m and d Neillsville	Miller L J logger
Clark, Eyerly & Breed, m and d	Pulpale & MaDonald logger
Western & Cohofold lamons	Fuinely & McDonald logger
Weston & Schofield, loggers	Eighme R P logger
Boardman & Palmer m and d	Stevenson, Badgert & Co m and d
King G W m and d	Williamson G M & Co p m
-Green A logger	Witherby David logger. McAllyster J P logger. Hanson W E logger. Crowell & Son logger.
Lindslev F D logger	McAllyster J P logger
Putnam I. G. d. Naosha	Hanson W F lorger
Putnam L G d	C 11 t Com leave
Smart J & E (manufacturers bridge), New Lisoon	Crowell & Son logger
Hale & Springsted m and dNew London	Crowell & Son logger
Dixon HS m and d and staves	Myers & Van Every s m
Dougherty, Delano & Demming sash	Myers & Van Every sm
doors etc	Lines, Libbey & Co p m
Ketchum H m and d (Merrilan Wis)	Morgan Bros m and d
Jacobs E P m and d New Richmond	Wood I U & Co mand d
Johnson Pres m and d	Weed J H & Co m and d
Johnson Bros m and d	Fraker JS sm
Pierce & Son m and d	Spalding & Peck m and d
Brown J & Co m and dNorthport	Campbell Wm & Sons m and d
Wisconsin Mnig Co m and d	Libby D L & Co m and d
Putnam & Blair sash doors etcOakfield White J T & Co p m	Regan, Cheney & Pratt m and d
White I T& Co nm	Dog & Miller m and d
Ctreater Th A Ch Co 3	Doe & Miller m and d
Dell's many	Ripley & Mead m and d
Roll & Turnham p m and sash doors etc	E. C. Kellogg logger
Vilas G d	John A. Paige Pres Wolf River Broom Co
Woodruff Bros dOgdensburg	Durby & Curran s m
Livermore & Co m and dOgdensburg	McMillan R. & Co m and d
Brunquest W m and d Oconto	Sawyer P & Son m and d
Brunquest W m and dOconto Flanders W B logger	Paine P N & Co. m and d
Cardrick T. D. lagger	Raine R N & Co m and d
Goodrich T B logger	Reed L B & O B m and d
Luby logger	Sheldon L P & Son m and d
Luby logger Orr, Newell & Co m and d	Laabs J & Co m and d
Jacob Spies m and d	Buckstaff Bros & Chase m and d
Leigh John m and d	Foster & Jones m and d
Oconto Lumber Co m and d	Henderson & Wilson dPalmyra
Comstock & Simpson mand d	Mitchell Bros d
Comstock & Simpson m and d	Chau A D m and d Ponin
Liones I M mm and seek deem ste	Gray A D m and dPepin
Pierce L M p m and sash doors etc	Peshtigo Co m and dPeshtigo
Winslow, England & Co m and d	Peshtigo Co m and d
Loosey Chas d0'Kee Vanderpool & Clark d	Frisbee & Westover dPine River
Vanderpool & Clark d	Gratiot E H dPlatteville
Woodley Samuel d	Lovelson F m and dPlum City
Culver E dOntario	Bowman G M dPlymouth
Loveing & Rich and d Orogan	
Lovejoy & Richards dOregon	Mc Graw E M & Co d
Harris D dOrfordville	Wentworth, McGregor & Co d Portage City
Johnson H & Co m and dOmro	Carnagie A p m
Morton, Arnold & Morton p m	Carnagie A p m
Webster & Foster m and d	Neavel & Davis dPotosi
Wilson A m and d	Schneider Joseph d
	Jamison Hugh d Povnett
Hall Chas sm	Jamison Hugh d
Hayden I. D. (La Crossa Wis)	Smith & Poster mand d
Moore P M (Le Crosse W.)	Smith & Foster m and d
Nichely Chao II & Co.	weston I & Co m and d (Necedan) Prairie du Sac
	Meacham & Bro pmPrescott
Bradley C G m and dOsceola	Green G dPrinceton
Stapels C H logger	Gillon N
Dresser & Wilson m and d	6lawe C
Bradley C G m and d Osceola Stapels C H logger Dresser & Wilson m and d Talboys & Hanscome m and d	Glawe C
Kanpp L E m and dOsł kosh	Garland & Nichols
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Peck S B & Son dRacine	Meehan Bros m and d (Linwood)Stevens'Point
Driver Thos p m	McMillan & Sons m and d
Kensie W D & Co sash doors etc	Moe Louis I logger
Miner E B & Co sash doors etc	Lester & Plummer m and d
Slawson Jas R & Co d	Park G L logger
Ilsley & Wilson d	Perry I & J logger
	Rennie John logger
Schofield & Co m and d	Robeson J M m and d
E E Henderson in and d Ked Chil	Reading & Van Order shingles
Smith Timothy, Reedsburgh Snow W H d. Reeseville	Richardson Chas logger
Remington H W m and d Remington Rudolph C J Richland Centre	Rousseau M A m and d
Rudolph C J	Sherman S A m and d
Richardson Mis. W d	Scott Bros m and d
Learmouth J d	Sheckels Wm logger
Lanning A p m	Whitney Ebenezer logger
Chinock J H s mRiver Falls	Wade Geo & Co shingles p m
Foss H W d	Welch Adam logger
Pease D G m and dRockbridge	O C Wheelock logger
Hawn Charles m and d	Redfield John. logger
Pedrick M d	Isherwood J & H logger
Bowman Na m and dRoundhill	Johnson J O lugger
Moore J P & Co d	Martin John R logger
Roberts George m and dSandy Bay	Cooper B F m and d
Halasz Chas dSauk City	Cronkhite, Plummer & Co m and d
Obrecht C d	Clements D R logger
Cowles II K & Bro m and d	Cook Corneilius logger Curran H & J D loggers
Girard & Co m and dSenaca, Wood Co Campbell Y dSharon	Severson S H dStoughton
Daniels G d	Turner 0 M d
M H McCord loggerShawano Beecher L S loggerShawano	Ardt F pmSturgeon Bay Wright Rufus m and d
Miller, Mathias m and d	Anderson GeoSeymour
Klebesadel & Miller m and d	McIntosh, Ross & Perry m and d
C. D. Wescott logger	Callon Wm m and dSherma
Asa Hicks logger H E Howe, logger C Crowley logger C W Upham logger	Gray J m and d
C. Crowley logger	Bruce J & Co
CW Upham logger	Cook & Sons
Hockner A d	Trumble M E & Co m and d
Winters M d	Gray 0 m and d
Weeks A L d	Marshall & Co
Weeks A L d	Weed A & Co m and d
Kelly W P & Co m and d	Howard John D m and dSuperior
Bishop Bros stayes and m and dSherwood Nugent & Collins m and d	Peylon H M & Co m and d
J. H. Parks logger	Eldred Anson mand d. Stiles Zimmermann W d. Theinsville
Mason, Barnes & Co m and d	Zimmermann W dTheinsville
W. D. Jordon m and d Somerset	Huct John
Irwin O L, Maple dSparta	Gleason & Squires m and d Tomah
Holden G B d	Warren & Gamble m and d
Setson Bros p m Walker J H d	Barrett J M dTrempeleau
Farnum E B dSpringfield, Walworth Co	Reed Joseph
nopkins P G d	Cooper & Jones m and d (Manitowoc)
Bennett T m and d	Goyt C
Jeeley & Son m and d	
Kellogg & Son m and dStephensville	Hamlin & Ford d. Watertown Bray, Robinson & Co d. Waldo Sibley C L d. Waldo Whitney & Darling d. Waldo Cooley C F & Co m andd Wanbeka Howlett & Co m
Kellogg & Son m and d	Bray, Robinson & Co d Waldo
Smith & Halsted Bros m and d Stockbridge	Sibley C L d
Stafford L R	Cooley C F & Co m andd Wanbeka
Blake & Mitchell loggers	
Benson P & Bro loggers	Payne & Co m and d
Burns, Thompson & Co m and d	Smith & Foster
Brown E D m and d	Lewellen & Lunn
Bean T G & Son m and d	Hamlin J H & Co d
Campbell P logger	Streeter J & A C & Co W Water d
Homestead Seth logger Gilchrist A B logger	Semple A
Goodhue Geo J. Jr logger	Semple F
Goodhue Geo J, Jr logger Hungerford Seely logger	Semple F. Morse O A d
nutchinson & Bro m and d (Eau Pleine)	Hollendyke N d
Hubbard — shingles Karner S H m and d	Richardson Silas d
Knox Bros m and d	Dodd Sam'l p m

Hartwell C M s,sh doors etcWaukesha	Alexander W, loggerWausau
Andrews & Parcher m and d	McIndoe H, m and d
Callon John T m and d	Fellows D, logger.
Callon Wm m and d	McIntosh H, m and d
Ancult&Callon m and d	McInnis D, logger
Allen Henry	Tyner S, logger.
Bernhard & Simpson loggers	Nico'l5 Ed, logger Champagne P B, logger
Clarke J C m and d	McDonald M. logger
Cohn & Curran m and d	Werhim & Kickbush, p m, sash, doors, &c
Daniels H s m	Enderby & Austin staves Wellington
Miller Hermann logger. Kickbush & Bro loggers. Leahy Capt J logger.	Mc Queen, Davis & Co d
Kickbush & Bro loggers	Shell Bros d
Leahy Capt J logger	Littlejohn A M d
Lawrence & Peters loggers	Nutt M E & Phillips s m
Manson Rufus m and d	Ingersoll, Rising & Co m and d
Plummer B G m and d	Jones, Wellington & Co m and d
Plummer B G m and d	McArthur & Co m and d
Single Jas m and d	Starks, Stickles & Co p m
Stewart A & J m and d	Schultz C Woodland
Zastrow Ed logger	Day C & Co m and d Wrightstown
Genswan, J, logger	George V. Brill p m
Single B F, logger	Mc Kesson staves
	Converse H
Adam H, logger Clark Wm, logger	Wells & Craig
	McCutchen H d
Dahm John, logger	McCutchen H d
Adam John, logger	Twing A
MICH	IGAN.
- 12 - 12 Arms	Au Sable Lumber and Shingle Co m and d. Au Sable
Hoxie L S m and d Acme Headley John Ada Raker D M Adrian	Backus & Bros mand d (Detroit)
Pelson D M d Adrian	Charles Stone Timber Co (Detroit)
	Colwell Smith & Langstaff m and d
	Glennie J W m and d
	McDonald D A
Cosad & McGregorAlbion	Moore Alger & Co m and d (Detroit)
Havnes & Beard m and dAlcona	Moore & Tanner
Wright Peter m and d. Albion Cosad & McGregor. Albion Haynes & Beard m and d. Alcona Folkerts F C & Com and d. Algonac	Vaughan S. Richardson J C m and d. Auster City Wilson H D s m. Auster City
Smith A&SS m and d	Wilson H D am Anster City
Allegan Mfg. Co p m	Hawley A M Averill's Station
Bass K	Miller A & G m and d
Roberts Richard m and dAllendale German & Dewey m and dAllens	Steele C s m
Corman & Dewey m and dAllens	Kroetzer G & Co p mBainbridge
Wright Ira	Kroetzer G & Co p mBainbridge Babcock Surrett & Co m and dBaltimore
	Cruther G W m and d
Pierce Hall& Ward mand d Alma	Childs E J sash doors etcBangor Van Buren Co
Wige & Co sash doors etcAlmena	Coombs & Smiley m and d
	Green & Thompson manid. Nyman J H m and d
Bewick Comstock & Com and dAlpena Campbell Potter & Com and d	Moore Smith & Co m andBanks Bay Co
Campbell Potter & Co III and d	Taylor & Moulthrop m and d
Davis D G & Co s m	Taylor & Moulthrop m and d Keystone Lumber Co m and d
Thetaken A F & Co m and C.	Bendry James m and d
	Buck Hoyt & Co p.nBattle C: eek Dwinell Pettee & Edwards sash doors
Folkirts & Butterneu in and d Gilchrist Frank in and d Hough Hillard & Co in and d Mason Luce & Co in & d Minor J S & Co shingles.	Dwinell Pettee & Edwards sash doors
Hough Hillard & Co m and d	Ellison H H & Co d
Mason Luce & Co m & d	Halbert & Knight sash doors etc
Minor J S & Co shingles	Mason Rathbon & Simmons d
Morse H K Prentise Geo & Com and d Richardson Avery & Com and d	Avery Murphy & Co m and d Bay City
Prentise Geo & Co in and d	
	Archibald & Bradley m and d
	Bradley H M & Co m and d
	Bradley N B & Co m and d
Spratt Aug	Carney R J commission
Spratt Frank	Carney T sash doors etc
Cummings Geo W s and mArnsden	Carrier John & Co m and d
Cummings Geo W s and m Ferdon John & Son d Ann Arbor Krapp Conrad d Antim Wright J S m and d Arcade	Chapman G P & B
Krapp Conrad d	Dolson Chapin & Co m and d
Wright J S m and dArcade Battershall L A m and dArcade	DeWitt Jas N m and d
T T P m and dAlmada	Eddy Avery & Co m and d
Jackman JF m and d	Folsom & Arnold m and d
Miller Caleb & Sons m and d	Eddy Avery & Co m and d
Miller Caleb & Sons m and d	Eddy Avery & Com and d
Jackman J F m and d. Almada Miller Caleb & Sons m and d. Battershall L A m and d (Arcade). Attica Darwood & Daley m and d.	Eddy Avery & Com and d
Jackman J F m and d	Eddy Avery & Com and d
Jackman J F m and d. Atmada Miller Caleb & Sons m and d. Battershall L A m and d (Arcade). Attica Darwood & Daley m and d. Jenness J N & Co m and d. Williams W m and d. Augusta	Eddy Avery & Comand d
Jackman J F m and d. Almada Miller Caleb & Sons m and d. Battershall L A m and d (Arcade). Attica Darwood & Daley m and d. Jenness J N & Co m and d. Williams W m and d. Bracy & Clark p m. Augusta Aurelius	Eddy Avery & Co m and d Folsom & Arnold m and d Gardner F F & Son. Gates & Fay m and d Haiser F & A Hay Butman & Co m and d Hitchcock & Ingraham m and d Miller Albert m and d
Jackman J F m and d. Atmada Miller Caleb & Sons m and d. Battershall L A m and d (Arcade). Attica Darwood & Daley m and d. Jenness J N & Co m and d. Williams W m and d. Augusta	Eddy Avery & Comand d

McGraw John & Co m and d (Portsmouth). Bay City	Jerome T & Co m and d
McRoberts & Savage square timber McLean Seth & Son m and d Moore Smith & Co m and d	Litchfield E C m and d(New York City)
McLean Seth & Son m and d	Merrill C & Co m and d (Detroit)
Moore Smith & Co m and d	Saylor T & Co m and d
Patrick M S	Shaw & Williams m and d
Patrick M S. Peters W m and d. Pitts & Cranage m and d.	Tilden & Sackett m and d
Pitts & Cranage m and d	Congdon & Colton m and d Carson City
Ramsdell James	Lacy John G sash doors etc
Ramsdell James Richards Miller & Co m and d Rouse J M m and d	Congdon & Colton m and d
Rouse J M m and d	Crawford Frank m and d Casavilla
Rust A & Co m and d	Barber W L Coder Springs
Rust Hay & Co. Sage H W & Co m and d (New York city) Sanford J S p m. Shearer James & Co m and d.	Beckhart Jacob pm
Sage H W & Co m and d (New York city)	Benedict JOAER sm.
Sanford J S p m	Graham C & Co m and d
Shearer James & Co m and d	Grosvenor E m and d
Stevens & Shailer m and d Smith & Westover	Moon Chas B m and d
Smith & Westover	Hubbard & Wood m and d (Chicago)
	Esterly Geo W & Co m and d Charlessin
Talbert James. Taylor Moulthrop & Co. VanEtten Kaiser & Co.	Charlotte Manufacturing Co. stores Charlotte
Taylor Moulthrop & Co	Curtis Honek & Rennett n m
VanEtten Kaiser & Co	Curtis Houck & Bennett pm
	Johnson N A n m
Westover Culver & Co	Loring Allen T
Whipple Parmely & Co m and d	Merritt & Co. p. m.
Whipple Parmely & Co m and d	Merritt & Co p m Smith J W H & Co m and d Hurd & Smith m and d Cheboygan
Watrous Bros & Co m and d	Hurd & Smith m and d
Watrous M & Sons m and d.	Me Arthur Smith & Co. mand d
Watrous Bros & Comand d Watrous M & Sonsmand d Hopkins Bros & Wisemand d Bear Lake	McArthur Smith & Co m and d
Anderson D H & Co m and d Bear Lake Mills Wilson Lather & Wilson m and d Belding P O Davey W & Co d Bellevue	Nelson Strain & Co m and d
Wilson Lather & Wilson m and d Relding P O	Preistice Geo H m and d (Detroit)
Davey W & Co d Bellevne	Smith David mand d (Detroit)
Hull Bros pm	Smith David m and d
Smith A A & Co m and d Bell River	Smith Thompson m and d Smith E & F s m Vorce Barker & Co m and d
Remick E & Co m and d Benona	Vorce Parker & Co. mand d
Hull Bros p m. Smith A A & Co m and d. Bell River Remick E& Co m and d. Benona Williams H m and d. Benton Harbor Cara L W m and d.	Waller I P & Co mand d
Cave L W m and d Renzonia	Goodele T C m and d
Fitch & Phelps mand d Rig Rapide	Nacon P 1 & Ca mand d
Cave L W m and d. Benzonia Fitch & Phelps m and d. Big Rapids Green L H m and d.	Garton & Dayannort m and d
Ives S m and d	Cobb I W m and d
Ives S m and d	Coombe & Pro mand d
Stimson L D m and d	Weller JB & Co m and d Chesaning Goodale J C m and d Chesaning Nason R H & Co m and d Garton & Davenport m and d Chester Cobb J W m and d Clam Lake Coombs & Bro m and d Harris & Bro m and d McKinnon D G.
Stimson L D m and d	McKinnon D C. Mitchell Geo A m and d. Shacketton & Green m and d.
Wood H B sash doors etc	Mitchell Good mond d
Ballard & Co m and d Birch's Mills	Sharkeiton & Green mand d
Stinson & Clark m and d. Wood H B sash doors etc. Ballard & Co m and d. Birch's Mills Stanton Leroys m. Weller John m and d. Whitney M S m and d. Brown John m and d. Bird Hpp & Hays m and d. Smith W H m and d. Birmingham Ferry & Sons m and d (Grand Haven). Black Lake Jipson H m and d. Blissfield	Starrett Henry dand n.m.
Weller John m and d	Starrett Henry d and p m
Whitney M S m and d	Curry Jos I.
Brown John m and d Rird	White John
Hipp & Hays m and d	White John. Maxwell H N & Com and dClyde Mills P O
Smith W H m and d Birmingham	Vincent Edward m and d
Ferry & Sons m and d (Grand Haven) Black Lake	Vincent Edward m and d
Jipson H m and d Blissfield	Mel ang & Frith d
Wiley, Lane & Co staves	McLane & Frith d. Sweet GC m and d. Columbia Hemingway H L & J L m and d. Columbiaville East Thos m and d. Columbiaville Hungeried R H d. Columbia
Anable T C m and dBloomingdale	Hemingway H L & I L m and d Columbia illa
Conger & Broadwell m and d	East Those m and d
Holmes L K m and d	Hungerford R H d
Kilheffer & Ames m and d	Rouhright & French m and d Constanting
Jenson L & Co s mBlue'Lake	George & Tweedull such doors etc
Schmitz Anthony m and dBlunfield	Harwood H.J.& Co m and d
Bond Bros m and dBonds Mills	Jones Wolf & Co. m. and d
Bowen E H & Son m and dBowen's Mill	Hart J P m and d Coret
Ferry & Sons m and d (Grand Haven). Black Lake Jipson H m and d Blissfield Wiley, Lane & Co staves. Anable T C m and d Conger & Broadwell m and d Kilheffer & Ames m and d Jenson L & Co s m Blue'Lake Schmitz Anthony m and d Bonds Mills Bond Bros m and d Bowen's Mill Headley Silas m and d Browne Brown's Mill Headley Silas m and d Browne Brown Sarah D m and d Browne Brown Sarah D m and d Breedsville	Harwood H J & Co m and d Jones Wolf & Co m and d Hart J P m and d Wagley John Cross Village Backart Geo m and d Croton Collins David m and d Higbee Nelson m and d Bice Wm m and d
Richardson J H m and dBrowne	Backart Geo m and d Croton
Brown Sarah D m and dBreedsville	Collins David m and d
	Highee Nelson m and d
Weed B staves	Rice Wm m and d
Weed B staves Brucker F & Co shinglesBridgeport Center	Oneida Lumber Co m and d Crow Teland
	Fuller & Smith m and d Crustal P O
Hodgeman L m and d	Coffin & Cuddeback m and d Dellac
Ketchum Bros shingles	Needham & Wilson m and d Dayton
Notingerian L m and d. Ketchum Bros shingles Phelps & Wyman m and d. Bridgeville Holmes J m and d. Bronson Richards & Fox m and d. Buchanan Roe Charles m and d. Sherwood Alonzo m and d. Burlington	Higbee Nelson m and d. Rice Wm m and d. Oneida Lumber Co m and d. Crow Island Fuller & Smith m and d. Crystal P O Coffin & Cuddeback m and d. Dallas Needham & Wilson m and d. Dayton Wilson Jas H m and d. Wallace John B m and d. Dearborn Bull & Ackley m and d. Decatur Rawson L T p m.
Holmes J m and dBronson	Wallace John B m and d. Doorborn
Richards & Fox m and dBuchanan	Bull & Ackley m and d
Roe Charles m and d	Rawson L T p m
Sherwood Alonzo m and d	Roger A H & Co m and d
Pierce L m and dBurlington	Rawson L T p m Roger A H & Co m and d Warner J P m and d
Herrington & Bros m and d Burnips Corners	
Baker O R p m	Lovett & Smith p m
Mckinley James p m	Pack ard & Son m and d.
Welker H R m and d	Loyett & Smith p m Pack rd & Son m and d Adams & Ferguson m and d Detroit
Downey Bros m and d	Allen E G d
Tibbals Botsford & Co staves	Avery & Murphy m and d
Ballantine H A & Co m and dCarrolton	Backus & Bro m and d
Sherwood Alonzo m and d Pierce L m and d Burlington Herrington & Bros m and d Burling Corners Baker O R p m Camden Mckinley James p m. Welker H R m and d Campbell Downey Bros m and d Capax Tibbals Botsford & Co staves Ballantine H A & Co m and d Carrolton Carrolton Lumber Co m and d Gould Erastus T m and d	Bearss J H d
Gould Erastus T m and d	Allen E G d. Avery & Murphy m and d. Backus & Bro m and d. Bearss J H d. Bewick, Comstock & Co m and d.

Bigelow A E d Detroit Brooks C F m and d Campbell E P d Carrier August d Carrier Byron d Chisholm Jas d Crapo W W m and d Damon J B T & Co m and d Detroit Lumber & Wooden Ware Works	Allison J P m and d East Saginaw
Brooks C F m and d	Atwood W Q m and d
Campbell E P d	Ballantine H A & Co m and d
Carrier August d	Bissell A G & Co m and d
Chiehalm Ios d	Burt W R & Co m and d Bundy & Youmans m and d
Crano W W m and d	Burnham & Still m and d
Damon J B T & Co m and d	Cummings L E & Co m and d
	Cummings L E & Co m and d Duncan & Gamble m and d
Dewey J & Son sash doors etc	Dutton OS staves
Dewey J & Son sash doors etc Dingeman & Rabaut sash doors etc	Dutton OS staves. Estabrook & Mason m and d
Dubols Lewis p m	East Saginaw Manufacturing Co
Dwight Wm M & Co m and d	Eaton, Potter & Co m and d Eddy C K m and d
Faulconer R G d Ferguson A & Co d Fletcher Geo M m and d Flynn John sash doors etc Foster Joseph E d Gamble P M d Green Geo B & Co d Hebard Chas d Hubbard & King d	Eddy, C K m and d
Fletcher Goo M mand d	Edwards & Sanbarn mand d
Flynn John sash doors etc	Elsworth Arthur L.
Foster Joseph E d	Finnal Wm.
Gamble P M d	Finnal Wm. Gamble John m and d. Gardner F F & Sons Gebhart & Estabrook m and d. Glynn P & Co m and d. Goddard E G m and d. Grant C W & Co m and d. Grant & Saylor m and d. Hill Jas H.
Green Geo B & Co d	Gardner F F & Sons
Hebard Chas d	Gebhart & Estabrook m and d
Hubbard & King d. Huebner E sash doors etc. Huff & Vandermullen d.	Glynn P & Co m and d
Huebner E sash doors etc	Goddard E G m and d
Huff & Vandermullen d	Grant C W & Co m and d
Ingersoil J W p m	Uil least
Ingersoil J W p m. Ives, Green & Co m and d. Japes John sash doors etc. Jessup & McCune d.	Hill Jas H
Tassun & McCuna d	Hoyt Issee m and d (N V City)
Kershner & Rea d Klien Martin d Linsey & Co m Loud Gay & Co m and d	Hunter Bros. Hoyt Jesse m and d (N Y City) Johnson T B s m Jones Chester B m and d
Klien Martin d	Jones Chester B m and d
Linsey & Co m	Lee Charles m and d
Loud Gay & Co m and d	Mc Cormick A W
Lyon Isaac L d	Mc Dougall R B:
Nason Chas E d	Mc Cormick A W. Mc Dougall R B: Lathrop, Inscho & Co m and d. Markls & Flitz Merrill Chas & Co m and d. Michell & Roland Lumber Co m and d.
Merrill & Palmer m and d	Marks & Flitz
Moffat Hugh m and d	Merrill Chas & Co m and d
Moore Chas F d	Mitchell & Roland Lumber Co mand d
Moore Frank d	(Cincinnati) m and d
Moore & & d	Ortman Charles and d
Loud Gay & Co m and d Lyon I saac L d. Nason Chas E d. Merrill & Palmer m and d. Morit Hugh m and d. Moore Chas F d. Moore Frank d. Moore F & S d. Moore & Alger m and d. Oakes Wm d. Osborne C F & Co d.	Ortman Chas L m and d
Oshorne C. F. & Co. d	Owens & Brewer m and d
Perley J H d	Rust J F & Co m and d
Pitts & Cranage m and d (Bay City)	Saylor T & Co m and d
Prentice Geo H m and d	Sears & Holland m and d
Pericy J H d Pitts & Cranage m and d (Bay City) Prentice Geo H m and d Ramm & Co sash doors etc	Ten Eyck C E s m
Rea W J d Remick R C d Ross Geo d Ross Daniel A & Co m and d	Sears & Holland m and d Ten Eyck C E s m Terry Seeley & Spencer m and d
Remick R C d	Tolfree & Simpson m and d Turner H m and d
Ross Geo d	Turner H m and d
Ross Daniel A & Co m and d	Trittle & Peage m and d
	Thompson, Camp & Potter m and d Warner & Eastman m and d Wiggins G B & B J m and d
Ross A & Co d. Schneider Stephen sash doors etc Skillings & Whitney Bros m and d	Wiggins G R& R I m and d
Skillings & Whitney Bros m and d	Wright & Co mand d
Standish J R pine lands	Vawkey, Wideman & Co m and d
Steele A M d	Wright & Co m and d
Steele A M d	Bliss & Pierce m and d
Turner Robert sash doors etc	Grant W G & Son m and d (N Y city)
Warriner W d	Smith H P & Sons m and d
Weber J F & Co d and sash doors etc	Staats & Quackenbosh p m and sash etc
Whittemore & Prentice m and d	Bliss & Pierce m and d. Grant W G & Son m and d (N Y city) Smith H P & Sons m and d Staats & Quackenbosh p m and sash etc Garton & Davenport m and d Eaton Rapids Perrine D W & S C m and Stevens C W staves. Hipp B W Eau Claire Anderson J H m and d Becker G m and d. Braddeld E m and d (Ada). Cain James m and d.
Wight H A & S G m and d	Perrine D W & S C m and
Williams, Osborne & Co m and d and p m Wood W H & Co sash doors etc	Uing D W Staves For Claim
Holmos Goo m and d Do With	Anderson I H m and d Edgarton
Ho'mes Geo m and d De Witt Copeland R P Dexter Pratt Geo	Recker G m and d
Pratt Geo	Bradfield E m and d (Ada)
Gray Thos m and d	Cain James m and d
Judd W sash doors etc	Cook & Scarvel s m
Sill Benj. D & Son m and d	House Oscar m and d
Starett C p m	Kidder M C m and d
Gray Thos m and d. Douglas Judd W sash doors etc. Dowagiac Sill Benj. D & Son m and d Starett C p m. Darwood & Daily m and d Dryden Mears C m and d (Chicago) Duck Lake Hall, Ward & Brewer m and d staves Dundee Hunt, Wheeler & Co sash doors etc.	Cook & Scarvel s m House Oscar m and d Kidder M C m and d Monroe & Jones m and d Porter D m and d (Rockford)
Mears C m and d (Chicago)Duck Lake	Porter D m and d (Rockford)
Hall, ward & Brewer m and d stavesDundee	Truck Jos H a m
Morro Nother mand d	Devter & Noble m and d (Chicago) File Davids
Morse Nathan m and d	Rigir E W n m
Kellogg & Sawyer m and d Dunningeritte	Leach & Ramsey m and d
McCrumb Geo W m and d Fagle	POTTET D m and d (ROCKIOTG) POTTET SECTION THE MEMORY TRUAX JAS H S m Dexter & Noble m and d (Chicago) Elk Rapids Blair E W p m Leach & Ramsey m and d Mc Quinton Robt m and d. Moore JB m and d.
Mitchell & Mahan m and d East Bay	Moore J B m and d
Bushnell John m and d East Leroy	Moore J B m and dEmmett Station Butler & Gallagher m and dEmmett Station
Quick, Fish & Andrews m and d	Herman & Son m and d
Kellogg & Sawyer m and d Dunningsville McCrumb Geo W m and d Eagle Mitchell & Mahan m and d East Bay Bushnell John m and d East Leroy Quick, Fish & Andrews m and d. Eastman Galen m and d (Grand Haven). Eastmanville Hefferan Thes m and d	Whittington W & D E m and d
Hefferan Thos m and d	Herman & Son m and d Erie Whittington W & D E m and d . Glaser Emil p m Escanaba Ames Bros m and d
Thayer Edwin m and d	Ames bros m and d

Carrier John & Co m and d (Ray city) Ferrentlle	
mand a (Day City) Essexville	Farrin & Co Grand Rapid
Carrier John & Co m and d (Bay city) Essexville Ferris & Hull m and d Estella—Sumner P O Hicks James m and d Estella—Sumner P O Tucker, Morris W & Co Kanfield & Andrews m and d Eureka Davis & Curtis m and d Eureka	Knight Geo L & Co m and d
Hicks James m and d	Kruss Fester & Co m and d
Tucker, Morris W & Co	Krum Foster & Co m and d. Krum Foster & Co p m Long A B & Sons m and d Lore R W staves McElmer J G m and d (Lockwood) Mackey Walker & Co lath mill (Chicago)
Kanfield & Andrews mand d	Long A B & Sons m and d
Davis & Curtis m and d Eureka Davis & Curtis m and d Evart Farewell Jas G m and d Evart Hamilton & Mason s m	Lore R W staves
The same of the sa	McRimer J I+ m and d (Look-mood)
Hamilton & M. m and d	Mackey Walker & Co lath mill (Chicago)
Hamilton & Mason s m	Nichola & Co. p. m.
Hamilton & Mason s m Lamb & Matthews m and d. Palmer, Welch & Russ m and d and staves. Exeter Scofield S A m and d. Travor staves. Bloomer E J m and d. Calvin John m and d. Fuller & Sager p m. Odell S & J m and d.	Nichols & Copm
Palmer, Welch & Russ m and d and starce Proton	Norton A F & Coi
Scofield S A mand d	Pardee Cook & Bro m and d
Travor staves	Pew G H p m Powers W H p m Powers W T & Son
Placemen W.T.	Powers W H n m
Color I I m and dFairfield	Powers W T & Son
Calvin John m and d	Putnam Enos. Quimby J L. Roberts A & Son. Robinson S & G.
Fuller & Sager p m	Onimber 7.7
Fuller & Sager p m. Odell S & J m and d. Myer Henry shingles. Fair Haven Schnoor H C m and d and staves. Fair Haven Farwell & Sawyer m and d. Fair View	Quimoy J L
Myer Henry shingles	
Cabraca H. G. Shingles Fair Haven	Robinson S& Co p m
Schnoor H C m and d and staves	Ryan Vonng & Co mand d
Farwell & Sawyer m and dFair View	Ward P. P. C.
Farwell & Sawyer m and d. Fair View Parkins & Sons m and d. Batcheller, Slaight & Co m and d (Chicago). Ferrysburg Slatt & Co m and d. Ferrysburg White, Glover & Co m and d. Balley C C m and d. Fife Lake Gilbert Ira W m and d. Walter W L s m. Flat Rock	Ward E F & Co
Batcheller Slaught & Co	Webster A & Co p m
(Chicago) and and d	Wheeler Reuben sash doors etc. Grand Banks
(Chicago) Ferrysburg	Wilking & Rachman n m
Statt & Co m and d	Wilkins & Bachman p m
White, Glover & Co m and d	Wonderly Lumber Co m and d
Balley C C m and d. Fig. Take	wonderly Lumber Co m and d
Gilbert Ira W m and d	Dewory E m and dGrandville
Walter W L s m Flat Rock Atwood J B & Co m and d Flint Beardsley, Gillis & Co sash doors etc	Jennison H
Atmost V D & III	
Atwood J B & Co m and dFlint	Clark & Rhinesmith Lumbering Co Greenville
Beardsley, Gillis & Co sash doors etc.	Fuller & Comment Lumbering Co
Beyole, Fox & Co m and d	Fuller & Gowan m and d
Briscoe & Lockwood	Hart Henry m and d
Briscoe & Lockwood	Hutchings S G
Comments & Stolle	Jenks C C s m
Busenbark & Stone. Carpenter Samuel m and d. Crapo W W m and d	Fuller & Gowan m and d. Hart Henry m and d. Hutchings S G. Jenks C C s m. Wright Bros.
Crapo W W m and d	Dandon Cook & Dianat
Decke r Grant staves	Pardee Cook & Blanchard m and d (A Par.
Eddy Chas C & Co mand d	dee & Co New York) Hamlin
Kddy Jaromo	McRoberts A m and d (Bay City) Hampton
Cibbo D & C.	Backus A J m and d (Backus & Bro Do
G1008 D & Co	dee & Co New York)
Hamilton Wm m and d	Westons Colmell & Co Harrisville
Hascall H C m and d	True tr
Decke r Grant staves. Eddy Chas C & Co m and d. Eddy Jerome p m. Gibbs D & Co. Hamilton Wm m and d. Hascall H C m and d. Lee & Wilcox	Hills w m and d
Mc Crerry W B p m Mc Farland A m and d Smith Hiram m and d Davenport Geo & Co m and d Florence	Westons Colwell & Co, m and d
Ma Farland 4	Hinckley Bros stayes
Carried A m and d	Olds & Crandal each doors ate
Smith Hiram m and d	Walker am
Davenport Geo & Co m and d Florence Grant & Saylor m and d (East Saginaw) Haskins Martin & Wheel	Dest VIII & C.C.
Grant & Savier m and d (Fast Saginam)	Bentley J W & C G sash doors ctc Hastings
Haskins Martin & Wheeler	Hortin & Jacobs m and d Hazleton
Haskins, Martin & Wheeler m and d (East Saginaw)	Kellogg & Sawver m and d. Heart
Saginaw)	Starker D F am
Merrill Chas & Co m and d (East Saginaw)	Blodgett D A mand d
Shaw & Williams m and d	Conside Mand d
Ford River Lumber Co mand d (Chicago) Ford Disease	Gerrish Murphy & Co m and d
Saginaw). Merrill Chas & Co m and d (East Saginaw) Shaw & Williams m and d Ford River Lumber Co m and d (Chicago). Ford River Smith & Kelley m and d (An Sable). Forester	Sutton & Fisher d Hillsdale
Duryon Good and and a (Au Saule) Forester	Ferris R B m and d Holland
Hubball & W. L. SmFrankfort	Vanderveer E& Co staves and shingle mill
Hubbell & Wakeheld p m	Buzzell Bros sash doors ata
Hileman & Hessen m and d Freenort	
	Ravid Pakt A - and d
Fruitport Mfg Co m and d Fruitport	Bavid Robt A m and d
Gage Joseph m and d Fruitport	Bavid Robt A m and d Holly Hillard L m and d
Fruitport Mfg Co m and d Fruitport Gage Joseph m and d Gagetown Lloyd & M. Nair mand d Gagetown	Bavid Robt A m and d
Fruitport Mfg Co m and d. Fruitport Gage Joseph m and d. Gagetown Lloyd & McNair m and d. Gaines Station	Bavid Robt A m and d. Hopkins Hillard L m and d. Hopkins Chubb J F s m. Howard City Lord & Kipp s m.
Fruitport Mg Co m and d. Fruitport Gage Joseph m and d. Gagetown Lloyd & McNair m and d. Gaines Station Sayers Bros m and d	Bavid Robt A m and d. Holkins Hillard L m and d. Hopkins Chubb JF s m. Howard City Lord & Kipp s m. Howard City Morgan & Ouick m and d
Fruitport Mfg Co m and d Fruitport Gage Joseph m and d Gagestown Lloyd & McNair m and d Gaines Station Sayers Bros m and d Gaines Blakesiee Geo A m and d Galien	Bavid Robt A m and d. Hopkins Hillard L m and d. Hopkins Chubb JF s m. Howard City Lord & Kipp s m. Morgan & Quick m and d. Mason & Reed
Fruitport Mfg Co m and d Fruitport Gage Joseph m and d Gagetown Lloyd & McNair m and d Gaines Station Sayers Bros m and d Galien Blakeslee Geo A m and d Galien Batchelor Slatt & Co m and d Grand Haven	Bavid Robt A m and d. Holkins Hillard L m and d. Hopkins Chubb JF s m. Howard City Lord & Kipp s m. Howard City Morgan & Quick m and d. Mason & Reed.
Fruitport Mfg Co m and d Fruitport Gage Joseph m and d Gagestown Lloyd & McNair m and d Gaines Station Sayers Bros m and d Gaines Blakesiee Geo A m and d Galien Batchelor Slatt & Co m and d Grand Haven Bigelow & Stone.	Bavid Robt A m and d Hopkins Hillard L m and d Hopkins Chubb J F s m Howard City Lord & Kipp s m Howard City Morgan & Quick m and d Mason & Reed Barnard J E & Co Howell
Ford River Lumber Co m and d (Chicago). Ford River Smith & Kelley m and d (Au Sable). Forester Dwyer Geo G s m. Frankfort Hubbell & Wakefield p m. Frankfort Hubbell & Wakefield p m. Freutport Mfg Co m and d. Freeport Fruitport Mfg Co m and d. Fruitport Gage Joseph m and d. Gagetown Lloyd & McNair m and d. Gaines Station Sayers Bros m and d. Galien Station Slakeslee Geo A m and d. Galien Batchelor Slatt & Co m and d. Grand Haven Gutler D m and d.	Bavid Robt A m and d. Holkins Hillard L m and d. Hopkins Chubb JF s m. Howard City Lord & Kipp s m. Morgan & Quick m and d. Mason & Reed. Barnard J E & Co. Howell Blood E & Co.
Fruitport Mfg Co m and d Fruitport Gage Joseph m and d Gagestown Lloyd & McNair m and d Gaines Station Sayers Bros m and d Gaines Blakesiee Geo A m and d Galien Batchelor Slatt & Co m and d Grand Haven Bigelow & Stone Cutter D m and d Grand Haven Cutter D m and d Grand Haven	Olds & Crandal sash doors etc. Walker s m. BentleyJ W & C G sash doors ctc. Hastings Hortin & Jacobs m and d. Hazleton Kellogg & Sawyer m and d. Heatk Starker D F s m. Hemlock Blodgett D A m and d. Hersey Gerrish Murphy & C o m and d. Hersey Gerrish Murphy & C o m and d. Holland Sutton & Fisher d. Hillsdale Ferris R B m and d. Holland Vanderveer E & C o staves and shingle mill. Buzzell Bros sash doors etc. Holly Bavid Robt A m and d. Hopkins Hillard L m and d. Hopkins Hillard L m and d. Howard City Lord & Kipp s m. Howard City Lord & Kipp s m. Morgan & Quick m and d Barnard J E & Co. Howell Blood E & Co. Howell Blood E & Co. Howell
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Dirk & Barker m and d Eastman Galen m and d Ferry & Bro m and d Gibson James. Monroe & Howlett m and d Reynolds & Emlay.	Bavid Robt A m and d. Holkins Hillard L m and d. Hopkins Chubb JF s m. Howard City Lord & Kipp s m. Howard City Morgan & Quick m and d. Mason & Reed. Howell Blood E & Co. Howell Blood E & Co. Wright J W sash doors etc R B Hubbard & Co m and d. Huron City Bates Gould & Gorham s m. Ionia Colby E & Co m and d. Stanton & Son m and d. Webber Bros m and d. Webber Bros m and d. Bennett & Woods. Jackson
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Outset D m and d Eastman Galen m and d Eastman Galen m and d Eastman Galen m and d Gibson James Monroe & Howlett m and d Reynolds & Emlay Rysdorf & Busch m and d Stows C L Wyman Buswell & Co. Ca-le H E m and d Bradley H Rose p m Grand Ledge Lamson Edmund m and d Bradley H Rose p m Grand Ledge Lamson Edmund m and d Carle H E m and d Carle G B C Co sash doors etc. Comstock C C m and d Crossette Graves & Co m and d Crossette Graves & Co m and d	R B Hubbard & Co m and d Huron City Bates Gould & Gorham s m Ionia Colby E & Co m and d Stanton & Son m and d Webber Bros m and d Bennett & Woods. Jackson Brooks C F d (Detroit). Jackson Brooks C F d (Detroit). Baxter & Selfridge p m Jonesville Bixby Bros & Flagg d Kalamazoo Dewing & Son m and d Kellogg J E & Haltenhaus m and d Sweetland & Co Tyler & Turner p m O S Abbott & Co m and d Kalkaska Ballou Gustin & Co m and d Kawkawlin Wade & Pettys m and d Lake Port Ciley Bros & Co sash doors etc Lamont Bellows W D & Bro m and d Langston Bridges N Langston
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Sprague R F	Sias John m and d
Wilcox & Briggs m and d	Howd Walter S m and d
Clark & Harris m and d	Randall W& Bro m and dMillburg
Longstreet & Lapham p m	Beck C FMonroe
Outs & Son d. Scoffeld S G m and d. Walker Gilman & Co sash doors etc	Noble W A
Walker Gilman & Co. sash doors etc	Noble W A
	Scranton J P
Highes & Bro in and d. Hemingway C M & Co p m. Johnston Alex m and d. King Robt m and d. Millis J D & Son.	Shaub Phillip
Hemingway C M & Co p m	Terry M G Dowling H P & Co p m Montague Ferry Dowling & Co m and d
King Robt m and d	Ferry Dowling & Co m and d
Millis J D & Son	
Peters F J s m	Weston Bros m and d
Peters F J s m Stevens Currier & Townsend m and d Walker Bros m and d Powell Hauck & Bro m and d Lawton Fray H P staves. Grout V H p m Russell S O Moss Mills & Gaige m and d Lexington Nims Tewksbury & Co m and d Woods J L m and d	White FH & Co m and d Weston Bros m and d Moore & Ferguson m aud d Monterey Cook Pendleton & Jones s m Morley Cummer J & Son m and d Gerrish E W Hard W p. m.
Powell Hauck & Bro m and dLawton	Cummer J & Son m and d
Fray HP stavesLeslie	Gerrish E W
Grout V H p m	Fowle Beni m and Moscow
Moss Mills & Galge m and dLexington	Hugh W p m
Nims Tewksbury & Co m and d	Hall & Shook m and d
Woods J L m and d	Snook Bush & Moster m and d Snook T W staves
French Wyman & Co m and dLockwood Ving Onick & Co m and d Lowell	Tucker EJ m and d
Mason & Ecker p m	Hughes Bros m and dMt. Morris
Mason & Ecker p m Wooding & Hire m and d Donaher & Melendy m and d Ludington Foster & Stanchfield m and d	Tucker EJ m and d. Mt. Morris Look Asher p m Weeks Huntoon & Co m and d.
Donaher & Melendy m and dLudington	Fancher & Brazee m and dMt. Pleasant
Pere Marquette Lumber Co m and d	Fancher & Brazee m and dMt. Pleasant Abbey French & Co m and dMuir
Pere Marquette Lumber Co m and d Roby Geo W & Co m and d Ward E B m and d (Detroit) Miblack & Sage m and d Macon Spafford & Conklin m and d Manchester Butters Horace m and d Manchester Canfield & Wheeler m and d Crebwas Calkins & Jo m and d (Chicago).	Hayes Bros. Hewitt W P s m Rumsey C Jr. Wazer & Fox m and d
Ward E B m and d (Detroit)	Hayes Bros
Niblack & Sage m and d	Rumsey C Jr.
Rutters Horace m and d	Wager & Fox m and d
Canfield & Wheeler m and d	Wager & Whittman in and d
Cushman Calkins & Co m and d (Chicago).	Allen A M m and d Muskegon
Dennett & Dunham m and d	Beidler Mfg Co m and d
wankee)	Bigelow W H & Co m and d
waukee) Filer & Sons m and d (Milwaukee)	Bigelow W H & Co m and d
Giffith Ruddock & Co m and d	Chapin & Foss m and d (Chicago)
Loitah Nail m and d	Davis Chauncey & Co m and d
Magill & Canfield m and d Diller M F m and d Paggeot & Thorsen m and d (Stronach Lum-	Easton Robt s p
Diller M F m and d	Ginc W& Co m and d
Paggeot & Thorsen m and d (Stronach Lum-	Hall S C
Peters R. G. & Co. m and d	Mann A V & Co m and d
ber Co) Peters R G & Co m and d Reitz Bros m and d	Mann A V & Co m and d. Mason Lumber Co m and d. Merrill J D & E W s m Merrill & Palmer m and d (Detroit) Morrison & Flemming m and d. Newaygo Co m and d. Outhwait G T Roberts & Hull m and d (Chicago) Rytherford W & Co m and d (Chicago) Rytherford S R.
Sands Louis m and d	Marrill & Palmer m and d (Detroit)
SibbenS p m Tabor & Huennekins m and d Tabor & Graph of the following many d	Montague C S & Co p m
	Morrison & Flemming m and d
Jones R m and d	Newaygo Co m and d
Jones R m and d	Roberts & Hull m and d (Chicago)
	Rutherford W & Co m and d (Chicago)
Hunt AS m and d	Ryerson Hills & Co m and d (Chicago)
Baird W m and d	Sandford S R
Hunt A S m and d	Torrent Esau m and d
Decker Chas m and d	Torrent Esau m and d
Decker Chas m and d	Truesdell Gideon m and d
Alexander M J m and dMarshall	White Smith & Swan mand d (Chicago)
Church Nelson mand d	Wilcox T B & Co m and d (Chicago)
Mills N & B m and d	
Sanborn W and d	Kirtland & Son stavesNashville
Darrow & Walker m and dMason	Baker W m and d
Willett I mand d	Francisco & Bro stavesNewport
Huntington JL&C D m and d	Wilson & Boyce m and d
Brown & Lacy m and d and sash doors etc. Matherton	Menardi A E m and d Nortonville
Lance & Jones sash doors etc	Bently W m and dNorth Branch
Dysinger D m and d	Moyer A m and d
Mansfield J& Co m and d	Lawrence Sidney m and
Mansheld J& Co m and d	Peck & Sackridge m and d
Paison A p m	Moyer A m and d Nunica Lawrence Sidney m and
	Hodges JS m and d
Wright & Tweedle p m	King T m and d
Lindsay & Gamble m and d (Detroit)	

÷	0 T.D
Hall Hiram m and dOrleans Smith Kelly & Dwight m and dOscoda Richardson Avery & Co m and d (Alpena). Ossineke	Curtis L BSaginaw City Gould E F Green & Harding
Smith Kelly & Dwight in and d	Green & Harding
Richardson Avery & Co mand d (Alpena). Ossineke	Hardin & Papacak n.m.
Robinson Cunningham Haines & Co m & d Ballou & Co sash doors etcOtsego	Hardin & Babcock p m
Leighton S m and d	Jerome T & Co
Bailtot & Co. Sash doors etc. Otsego Leighton S m and d Otter Lake Frisbie A H m and d Ovid Sowers Geo D & Co m and d Robinson & Miller p m Owosso Woodward L E	Ketchum D B s m
Frishie A H m and dOvid	Nester Bros
Sowers Geo D & Co m and d	Newton & Smith
Robinson & Miller p.mOwosso	Payne A B & Co m and d
Woodward LE	Potts & Prieur
Freeman G W & Co m and dPalmyra	Rust Amasa
Bathwick & Stevens mand dPavilion	Rust Eaton & Co
Woodward LE. Freeman G W & Co m and d Palmyra Bathwick & Stevens m and d Pavilion Sager John m and d Pavilion Everett J C sash doors etc. Paw Paw Freeman & Stinson m and d Proman & Cluster m and d Pentwater	Rust & Hay Sturtevant, Green & Co m and d
Everett J C sash doors etcPaw Paw	Sturtevant, Green & Co m and d
Freeman & Stinson m and d	Swift & Lockwood m and d
Brown S A & Co m and dPentwater	Williams Geo F & Co m and d
Nickerson & Calester m and d	Wright, Tipton & Co m and d and p m
Sands & Maxwell s m	Wright, Tipton & Co m and d and p m Wright & Wetherell m and d
Sands & Maxwell s m Stringer Frank m and d Stringer Frank m and d Perrinsville Huckley John m and d Perry Woodworth W H m and d Pierson McConnell W & Sons m and d Pierson Pangham & Borden m and d Oninov & Bromley s m	Wright & Wetherell m and d. Wile Bros s m. Bentley H J m and d
Huckley John m and dPerry	Bentley HJ m and dSt Charles
Woodworth W H m and dPewamo	Campbell D J
McConnell W. & Sons mond d	Green D. W.
Dangham & Bordon m and d	Wimberley C.S. Charles
Oning & Dromler on	Guernay Chas
Stone & Seeley m and d	Tonks R W
Taylor & McMullen m and d (Wood Labo)	Pow T& F
Walter & Bro mand d	Holeomh & Evang mand d St Louis
Wensel & Rro am	Brooks & Adams m and I (Detroit)Salzburg
Keeler S S & Co m and d . Piggon Creek	Laderach Bros m and d
Adams F E & Co m and d Pine Grove Mills	Laderach Bros m and d
Clements S N m and d	Root Bros s m Smith C M & Co m and d Thompson Wm m and d Avery O W m and d Sand Creek Avery O W m and d Sand Lake
Everest & Wise m and d	Smith C M & Co m and d
Paris P G m and d	Thompson Wm m and dSand Creek
Paris S A m and d	Avery O W m and dSand Lake
Lantz John m and d	Baird & Farnum s m
Wood & Maxon m and dPittsford	Beaver, Miller & Co m and d (Ft Wayne
Richardson J C m and dPlainfield Kent Co	Ind)
Pangham & Borden m and d. Quincy & Bromley sm Stone & Seeley m and d Taylor & McMullen m and d (Wood Lake). Walter & Bro m and d Wensel & Bro sm Keeler S S & Co m and d Pigeon Creek Adams F E & Co m and d Pine Grove Mills Clements S N m and d Paris P G m and d Paris P G m and d Paris P G m and d Pine Plains Paris S A m and d Pine River Wood & Maxon m and d Pittsford Richardson J C m and d Plainfield Kent Co Topping M & Sons m and d	(larr I M m and d (Union (lity Ind)
and stavesPlainsfield Livingston Co	Dickinson Jerome m and d
Bennett C.HPlymouth	Hafley P s m
and staves	Dickinson Jerome m and d
Ayers Learned & Co m and dPort Austin	Heilner Geo W s m
Haskells & Spaulding m and d Port Crescent	
wood J L & Co m and d	Roberts & Driggs m and d (Grand Rapids)
Avery & Murohy m and d	Stone & Seeley m and d
Punce 7 W & Con mand d	Were F & Co
Fish A & U m and d	Ware E & Co
Harrington D.R. m and d	Margar & Glater m and d Savagna
Havnes I m and d	Mercer & Slater m and d
Haynes J m and d Hibbard W B & Co m and d	Meore H D m and d Sangatner
Howard & Son m and d	The Saugatuck Lumber Co m and d Scio Township Abbott Chas m and d Scio Township Bathwick & Stephens m and d Scott Collingham J m and d Sebewa
Howard & Son m and d	Abbott Chas m and d Scio Township
Johnston John & Co m and d	Bathwick & Stephens m and d
Johnston John & Co m and d Sanborn & Co m and d	Collingham J m and d Sebewa
	Friend J m and d
Skinner & M and d. Wells F L. Bergen P P staves	Friend J m and d. Sebewaing Junn J & Sons m and d. Seville Blanchard J C & Co m and d. Sheridan Fargo D F & Co m and d. Sheridan Fargo D F & Co m and d. Smyrna Beckwith & Co South Bay City Braddeck A C & Co D m
Wells F L	Dunn J & Sons m and dSeville
Bergen P P stavesPortland	Blanchard J C & Co m and dSheridan
Bowser, Griffin & Co sash doors etc	Fargo D F & Co m and d
Dilley J staves	Stearns J D m and dSmyrna
Erskine E J m and dPort Sanilae	Beckwith & CoSouth Bay City
Thompson T&JS. m and d	Braddock A C & Co p m
Prentiss Geo H m and d (Detroit) Prentiss Bay Quimby J L m and d Quimby Alden, Sutton & Co staves Quincy	Braddock A C & Co p m Dunham & Whipple Miller A & Co m and d
Alden Sutton & Co. stores	Miller A & Co m and d
Hawley Mostin	Stevens A & Co m and d
Wilham D. W. mand d	Watrous Bros & Co s m
Evelby Issee mandd Pidgewey	Prov C W & Co m and d South Haven
Fritz F m and d Riga	Byer G W & Co m and d South Haven Wilson S P m and d
Pack Jenks & Co m and d Rock Falls	Ann Arbor Lumber Co m and d South Saginaw
French Geo m and d Rockford	Briggs & Co s m
Porter Dennis m and d	Briggs & Co s m
Molitor A & Co m and d Rogers City	Bundy & Yeoman m and d
Ayer A B m and d Romeo	Bundy & Yeoman m and d Curtis & Eastbrook m and d
Alden, Sutton & Co staves Quincy Hawley Martin. Wilbur R W m and d Ridgeway Fritz F m and d Rock Falls French Geo m and d Rock Falls French Geo m and d Rock ford Porter Dennis m and d Rock ford Porter Dennis m and d Rock ford Ager A B m and d Rock George Stave Ager A B Romeo Andre Alex Saginaw City Arnold & Fulsom (Albany N Y).	Boice & Kearny m and dSpring Lake
Arnold & Fulsom (Albany N Y)	Boice & Kearny m and dSpring Lake Cutler & Savidge m and d
Barnard & Binder m and d	Marada & Maxwell m and d
Blanchard C N m and d	Monroe Boyce & Co m and d
Burnham, Still & Co	Sisson & Seymour m and d
Butman Myron	Cross, Wright & Co m and dStandish
Butman Myron Butman & Rust Chapin A B & Bro	Sisson & Seymour m and d
Chapin A B & Bro	Bock Wm m and d

	- Wahismeia
Burham & Wales s mStanton	Heartt Wm A m and d Wahjameja Goodrich Enos m and d Waterrown
	Goodrich Enos mand d
Cordner D M g m	Sutherland J m and d Wayne
	Curtis & Walker m and d Wenona
Storong W H m and d	Arnold & Catlin p m
Marine Drog & Co em	Litchfield E C m and d (New York City)
Wolle & Potchin & M	Sutherland J m and d Waterview Curtis & Walker m and d Wayne Arnold & Catlin p m Wenona Litchfield E C m and d (New York City) Sage H W & Co m and d (New York City) Hetfield & fluter m and d Wheeler Rechervides m and d
Withey & Buckaloo m and d	Hetfield & Fluter in and d
	Peck & Beckenridge m and dSault de St. Maria P O Dawson Geo m and dSault de St. Maria P O
Francisco & Marcy m and dStanwood Stephens, Mellen & Tackles m and d. Stephens P O Stephens Humber Co. m and d. Stronash	Dawson Geo m and d
Stanbans, Mellen & Tackles m and d. Stephens P 0	Norris & Perry mand d Seymour Henry W mand d
Stronach Lumber Co m and dStronach	Seymour Henry W in and d
	Alley J & Co in and d.
Wallace Z H & JS sash doors etc	Cone & Green m and d
Harris Myren m and dTalmadge	Cook John P & Son m and d
Cameron J C & Co m and dTawas City	
	Delton & Dro m and d
Schram EL sm	Batton & Bro m and d
Laidiaw James in and d. Schram E L s m. Aldrich J A m and d. Mc Cann Thos m and d. Brownell & Dexter m and d. Three Rivers	Farnum H T m and d
Mc Cann Thos m and d Three Jaks	
Brownell & Dexter m and d Three Rivers	Hedges & Green m and d
Crossett & Pugh m and d	Tahmaan & Hageman & Massacrate *****
Grossett & rugh in and d	
Wilcox, Arnold & Co m and d Three Rivers	Westen Bros mand d
Wilcox, Arnold & Co in and d. Trent P(Stone & Shirts in and d. Trent P(Whitney Bros in and d. Tryon	Staples & Govern and d
Whitney Bros m and d	
	Schofield & Rickert in and d. Wixom Wixom & Sibley m and d. Woodbridge White B m and d. Woodbridge Taylor & McMullen m and d. Worth P O
marker John R m and d	White B m and d
	Taylor & McMullen m and d Wood Lake
Martin H R m and dVermontville	Taylor & McMullen in and d
Squier M L m and d Vormon Jeahella Co	Fullmore & Scovill m and dYpsilant
Squier M L m and d	Parsons Bros d
Bell & Starkey m and d vernon shiawasca co	Parsons Bros d
Brand J C staves	Table 1 m & Drog m and d
Sayers Bros m and d	New York & Michigan Lumber Co
Puddocx & Ballantine m and d	Rust Eaton & Co m and d
Puddock & Bananune in and d	CAGO
Adams & Lord, d 368 Lumber streetChicage	Fisher C C d 514 Lumber
Allen & Bartlett d Laffin s of West 22d	Foster Thos d 15 W 22d
Avery Murphy & Co d swcor Fisk	Fisher John & Sons d Robert w end of Hu-
Avery Thos M d Canal n w cor Fulton	
Avery Murphy & Co d s w cor Fisk Avery Thos M d Canal n w cor Fulton Barton & Jones d Lumber cor 12th	Ford Pivor Lumber Co. m and d office 242 S
Barton & Jones a Lumber cor 1201	Ford River Lumber Co m and d office 242 S
Barton & Jones d Lumber Cor Lumber Cor W Divis-	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d
Babcock W S d 400 Lumber	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d Fox & Howard d Ashland av cor Hickory
Bascock WS d 400 Lumber	ron. Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d Fox & Howard d Ashland av cor Hickory Franz L & Son d 24th n e cor Butler Cardon City Mfg Co d 22d cor Morgan
Barton & Jones & Lumber C. Babcock W S d 400 Lumber Basse & Bruse d Elston av n e cor W Division Batcheller & Slaight d Throop st cor 22d 347 Archer av.	ron. Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L& Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan
Barton & Jones d 400 Lumber	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L& Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan Gardiner John D& Co m and d 520 Lumber Gifford Ruddock & Co m and d room 7, 242
Barton & Jones d Lumber C. Basse & Bruse d Elston av n e cor W Division. Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 347 Archer av. Beidler J & Bro d Loomis cor 22d. Bet Bateson Alex d 140 Bacch	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan Gardiner John D & Co m and d 520 Lumber Gifford Ruddock & Co m and d room 7, 242
Barton & Jones d 400 Lumber	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L& Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan Gardiner John D& Co m and d 520 Lumber Gifford Ruddock & Co m and d room 7, 242 S Water. Goss & Phillips Mfg Co m and d Clark s w
Barton & Jones d 400 Lumber	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th u e cor Butler. Garden City Mfg Co d 22d cor Morgan. Gardiner John D & Co m and d 520 Lumber. Gifford Ruddock & Co m and d room 7, 242 S Water. Goss & Phillips Mfg Co m and d Clark s w
Barton & Jones d 400 Lumber C. Basse & Bruse d Elston av n e cor W Division Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 347 Archer av Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fisk n 22d.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L& Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan Gardiner John D & Co m and d 520 Lumber Gifford Ruddock & Co m and d room 7, 242 S Water Goss & Phillips Mfg Co m and d Clark s w cor 12th
Barton & Jones & Lumber of Talling Babcock W S & 400 Lumber Basse & Bruse & Elston av n e cor W Division. Batcheller & Slaight & Throop st cor 22d Bateson Alex & 347 Archer av Beldler J & Bro & Loomis cor 22d Benton & Fuller & 140 Beach Benton Geo C & Union s w cor 22d Bigelow Bros & Fisk n 22d Biglow Bros & Fisk n 22d Bishop & Lull & Throop n 22d Boardman Packard & Co & 94 Lumber st Boardman Packard & Swith & 738 Clark st	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan Gardiner John D & Co m and d 520 Lumber Gifford Ruddock & Co m and d room 7, 242 S Water Goss & Phillips Mfg Co m and d Clark s w cor 12th Goldie d Eighteenth s e cor Canal Foodman J B & Co d Room 1 261 Randolph
Barton & Jones d 400 Lumber	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th u e cor Butler. Garden City Mfg Co d 22d cor Morgan. Gffford Ruddock & Co m and d 520 Lumber. Gffford Ruddock & Co m and d room 7, 242 S Water. Goss & Phillips Mfg Co m and d Clark s w cor 12th. Goldie d Eighteenth s e cor Canal Goodman J B & Co d Room 1 261 Randolph Goodman W d 250 S Water.
Barton & Jones & de Liston av n e cor W Division. Basse & Bruse d Elston av n e cor W Division. Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 847 Archer av. Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fisk n 22d. Bigelow Bros d Fisk n 22d. Bishop & Lull d Throop n 22d. Boardman Packard & Co d 94 Lumber st. Bradley Shepard & Smith d 732 Clark st. Burdick & Mead W 22d cor Blue Island av.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L& Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan Gardiner John D& Co m and d 520 Lumber Gifford Ruddock & Co m and d room 7, 242 S Water Goss & Phillips Mfg Co m and d Clark s w cor 12th Goldie d Eighteenth s e cor Canal Goodman J B & Go d Room 1 261 Randolph Goodman W d 250 S Water.
Barton & Jones & de Liston av n e cor W Division. Basse & Bruse d Elston av n e cor W Division. Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 847 Archer av. Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fisk n 22d. Bigelow Bros d Fisk n 22d. Bishop & Lull d Throop n 22d. Boardman Packard & Co d 94 Lumber st. Bradley Shepard & Smith d 732 Clark st. Burdick & Mead W 22d cor Blue Island av.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L& Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan Gardiner John D& Co m and d 520 Lumber Gifford Ruddock & Co m and d room 7, 242 S Water Goss & Phillips Mfg Co m and d Clark s w cor 12th Goldie d Eighteenth s e cor Canal Goodman J B & Co d Room 1 261 Randolph Goodman W d 250 S Water Goodrich W H d 84 Market Gray A R & Co m and d 22d cor Throop
Barton & Jones d 400 Lumber	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L& Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan Gardiner John D& Co m and d 520 Lumber Gifford Ruddock & Co m and d room 7, 242 S Water Goss & Phillips Mfg Co m and d Clark s w cor 12th Goldie d Eighteenth s e cor Canal Goodman J B & Co d Room 1 261 Randolph Goodman W d 250 S Water Goodrich W H d 84 Market Gray A R & Co m and d 22d cor Throop
Barton & Jones d 400 Lumber Cor W Division Basse & Bruse d Elston av n e cor W Division Batcheller & Slaight d Throop st cor 22d Bateson Alex d 347 Archer av Beddler J & Bro d Loomis cor 22d Benton & Fuller d 140 Beach Benton Geo C d Union s w cor 22d Bigelow Bros d Fisk n 22d Bishop & Lull d Throop n 22d Boardman Packard & Co d 94 Lumber st Bradley Shepard & Smith d 782 Clark st Burdick & Mead W 22d cor Blue Island av Bush & Hill m and d 242 S Water st Bushnell, Walworth & Reed m and d 562 Lumber st	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th u e cor Butler. Garden City Mfg Co d 22d cor Morgan. Gardiner John D & Co m and d 520 Lumber. Gifford Ruddock & Co m and d 520 Lumber. Gifford Ruddock & Co m and d room 7, 242 S Water. Goss & Phillips Mfg Co m and d Clark s w cor 12th. Goldie d Eighteenth s e cor Canal. Goodman J B & Go d Room 1 261 Randolph Goodman W d 250 S Water. Goodrich W H d 84 Market. Gray A R & Co m and d 22d cor Throop. Graves D F d Throop n 22d. Graves D F d Throop n 22d.
Barton & Jones d 400 Lumber Basee & Bruse d Elston av n e cor W Division Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 347 Archer av Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fi-k n 22d. Bishop & Lull d Throop n 22d. Boardman Packard & Co d 94 Lumber st. Bradley Shepard & Smith d 782 Clark st. Burdick & Mead W 22d cor Blue Island av. Bush & Hill m and d 242 S Water st. Bushnell, Walworth & Reed m and d 562 Lumber st. Calkins & Fisher d 213 Archer av. Chant & Sons d 214 S Canal st.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan Gardiner John D & Co m and d 520 Lumber Gifford Ruddock & Co m and d room 7, 242 S Water Goss & Phillips Mfg Co m and d Clark s w cor 12th Goldie d Eighteenth s e cor Canal Goodman J B & Co d Room 1 261 Randolph Goodman W d 250 S Water Gray A R & Co m and d 22d cor Throop. Graves D F d Throop n 22d Gunderson Senit T m and d 238 S Water Grusendorf & Mueller d foot of Lessing Grusendorf & Mueller d foot of Lessing
Barton & Jones & d 400 Lumber Basse & Bruse d Elston av n e cor W Division. Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 847 Archer av. Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton & Fuller d 140 Beach. Benton & Foller d 140 Beach. Bishop & Lull d Throop n 22d. Biselow Bros d Fisk n 22d. Biselow Bros d Fisk n 22d. Boardman Packard & Co d 94 Lumber st. Bradley Shepard & Smith d 732 Clark st. Burdick & Mead W 22d cor Blue Island av. Bush & Hill m and d 242 S Water st. Calkins & Fisher d 213 Archer av. Chapin & Foss d 214 S Canal st. Chapin & Foss d 214 S Canal st.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan. Gifford Ruddock & Co m and d 520 Lumber Gifford Ruddock & Co m and d 700 Lumber Goss & Phillips Mfg Co m and d Clark s w cor 12th Goodman J B & Go d Room 1 261 Randolph Goodman J B & Go d Room 1 261 Randolph Goodman W d 250 S Water Gray A R & Co m and d 22d cor Throop. Graves D F d Throop n 22d Grusendorf & Mueller d foot of Lessing Hannah Lay & Co d 76 and 78 Lumber Gray A R & Co d 76 and 78 Lumber
Barton & Jones d 400 Lumber Basee & Bruse d Elston av n e cor W Division Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 347 Archer av. Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fi-k n 22d. Bishop & Lull d Throop n 22d. Bradley Shepard & Smith d 782 Clark st. Bradley Shepard & Smith d 782 Clark st. Budick & Mead W 22d cor Blue Island av. Bush & Hill m and d 242 S Water st. Bushnell, Waiworth & Reed m and d 562 Lumber st. Calkins & Fisher d 213 Archer av. Chapin & Foss d 214 S Canal st. Charnley Bros & Com and d 238 S Water st.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th n e cor Butler Garden City Mfg Co d 22d cor Morgan. Gifford Ruddock & Co m and d 520 Lumber Gifford Ruddock & Co m and d 700 Lumber Goss & Phillips Mfg Co m and d Clark s w cor 12th Goodman J B & Go d Room 1 261 Randolph Goodman J B & Go d Room 1 261 Randolph Goodman W d 250 S Water Gray A R & Co m and d 22d cor Throop. Graves D F d Throop n 22d Grusendorf & Mueller d foot of Lessing Hannah Lay & Co d 76 and 78 Lumber Gray A R & Co d 76 and 78 Lumber
Barton & Jones d 400 Lumber Basee & Bruse d Elston av n e cor W Division. Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 347 Archer av. Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fi-k n 22d. Bishop & Lull d Throop n 22d. Bishop & Lull d Throop n 22d. Bradley Shepard & Smith d 782 Clark st. Burdick & Mead W 22d cor Blue Island av. Bush & Hill m and d 242 S Water st. Bushnell, Walworth & Reed m and d 562 Lumber st Calkins & Fisher d 213 Archer av. Charnley Bros & Co m and d 238 S Water st. Charnley Bros & Co m and d 242 S Water st. Chicago Lumber Co m and d 242 S Water st.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th u e cor Butler. Garden City Mfg Co d 22d cor Morgan. Gffford Ruddock & Co m and d 520 Lumber. Gffford Ruddock & Co m and d 720 Lumber. Goss & Phillips Mfg Co m and d Clark s w cor 12th. Goss & Phillips Mfg Co m and d Clark s w cor 12th. Goodman J B & Co d Room 1 261 Randolph Goodman W d 250 S Water. Goodrich W H d 84 Market. Gray A R & Co m and d 22d cor Throop Graves D F d Throop n 22d. Gunderson Senit T m and d 238 S Water. Grusendorf & Mueller d foot of Lessing. Hannah Lyman & Co d 80 Main. Hartman & Graham d 238 S Water. Hannah Lyman & Co d 80 Main. Hartman & Graham d 238 S Water.
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Barton & Jones d 400 Lumber Cor W Division. Basse & Bruse d Elston av n e cor W Division. Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 847 Archer av. Beldler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fisk n 22d. Bigelow Bros d Fisk n 22d. Bigelow Bros d Fisk n 22d. Boardman Packard & Co d 94 Lumber st. Bradley Shepard & Smith d 732 Clark st. Burdick & Mead W 22d cor Blue Island av. Bush & Hill m and d 242 S Water st. Calkins & Fisher d 213 Archer av. Chapin & Foss d 214 S Canal st. Charley Bros & Co m and d 238 S Water st. Chaso & Vater S Charles of Chicago Lumber Co m and d 242 S Waterst. Chas & Pate d 511 Archer av. Clark Saml D d 70 LaSalle st. Combs Park & Co 22d st cor May. Curtis & Skinner d 96 N Canal st.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th u e cor Butler. Garden City Mfg Co d 22d cor Morgan. Gffford Ruddock & Co m and d 520 Lumber. Gffford Ruddock & Co m and d 520 Lumber. Gifford Ruddock & Co m and d room 7, 242 S Water. Goss & Phillips Mfg Co m and d Clark s w cor 12th. Goldie d Eighteenth s e cor Canal. Goodman J B & Co d Room 1 261 Randolph Goodman W d 250 S Water. Goodrich W H d 84 Market. Gray A R & Co m and d 22d cor Throop Graves D F d Throop n 22d. Gunderson Senit T m and d 238 S Water. Grusendorf & Mueller d foot of Lessing. Hannah Laya & Co d 76 and 78 Lumber. Hannah Lyman & Co d 80 Main. Hartman & Graham d 238 S Water. Harvey T W d Morgan cor 22d. Hatch Holbrook & Co d 256 Archer av. Highee Chas E d 248 S Water. Hillard Churchill & Co d Cologne cor Joseph
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Barton & Jones d 400 Lumber Basse & Bruse d Elston av n e cor W Division Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 347 Archer av Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fisk n 22d. Bishop & Lull d Throop n 22d. Bishop & Lull d Throop n 22d. Bradley Shepard & Smith d 732 Clark st Bradley Shepard & Smith d 732 Clark st Burdick & Mead W 22d cor Blue Island av. Bush & Hill m and d 242 S Water st Bushnell, Walworth & Reed m and d 562 Lumber st Calkins & Fisher d 213 Archer av Chapin & Foss d 214 S Canal st Charnley Bros & Co m and d 242 S Water st. Clurb Bros d Division cor Elston av. Clark Saml D d 70 LaSalle st Combs Park & Co 22d st cor May Curtis & Skinner d 96 N Canal st Cutter Savage & Co m and d 236 S Water st. Davis & Murray d 481 Archer av Derickson & Sons d Laffin cor W 22d Derickson & Sons d Laffin cor W 22d Derickson & Sons d Laffin cor W 22d Dede E J & Bro d 111 W 12th	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th n e cor Butler. Garden City Mfg Co d 22d cor Morgan. Gardiner John D & Co m and d 520 Lumber. Gifford Ruddock & Co m and d 700 Lumber. Gifford Ruddock & Co m and d room 7, 242 S Water. Goss & Phillips Mfg Co m and d Clark s w cor 12th. Goodman J B & Go d Room 1 261 Randolph Goodman J B & Go d Room 1 261 Randolph Goodman W d 250 S Water. Goodrich W H d 84 Market. Gray A R & Co m and d 22d cor Throop. Graves D F d Throop n 22d. Gunderson Senit T m and d 238 S Water. Grusendorf & Mueller d foot of Lessing. Hannah Lay & Co d 76 and 78 Lumber. Hannah Lay & Co d 76 and 78 Lumber. Hannah Lay & Co d 76 and 78 Lumber. Harvey T W d Morgan cor 22d. Hatch Holbrook & Co d 265 Archer av. Hempstead & Beebe d 14 Chicago av. Higher Churchill & Co d Cologne cor Joseph Hipple & Lestmann d 61 Hawthorne av. Holt Balcom & King m and d (250 S Water. Holt Balcom & King m and d (250 S Water. Holtmes & Co d 83 Grove. Holmes & Co d 83 Grove. Holmes & Co d 83 Grove.
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Barton & Jones d 400 Lumber Cor W Division Basse & Bruse d Elston av n e cor W Division Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 347 Archer av. Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fi-k n 22d. Bishop & Lull d Throop n 22d. Boardman Packard & Co d 94 Lumber st. Bradley Shepard & Smith d 732 Clark st. Burdick & Mead W 22d cor Blue Island av. Bush & Hill m and d 242 S Water st. Bushnell, Walworth & Reed m and d 562 Lumber st. Calkins & Fisher d 213 Archer av. Chapin & Foss d 214 S Canal st. Charnley Bros & Co m and d 242 S Water st. Chicago Lumber Co m and d 242 S Water st. Clark Sami D d 70 LaSalle st. Combs Park & Co 22d st cor May. Curtis & Skinner d 96 N Canal st. Cuttler Savage & Co m and d 236 S Water st. Davis & Murray d 481 Archer av. Dean Bros d Fisk so f 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor Division.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th n e cor Butler. Garden City Mfg Co d 22d cor Morgan. Gardiner John D & Co m and d 520 Lumber. Gifford Ruddock & Co m and d 520 Lumber. Gifford Ruddock & Co m and d room 7, 242 S Water. Goss & Phillips Mfg Co m and d Clark s w cor 12th. Goodman J B & Co d Room 1 261 Randolph Goodman J B & Co d Room 1 261 Randolph Goodman J B & Co d Room 2 Room 1 261 Goodman W d 250 S Water. Goodrich W H d 84 Market. Gray A R & Co m and 22d cor Throop. Graves D F d Throop n 22d. Gunderson Senit T m and d 238 S Water. Grusendorf & Mueller d foot of Lessing. Hannah Lay & Co d 76 and 78 Lumber. Hannah Lay & Co d 76 and 78 Lumber. Hannah Lay & Co d 55 Archer av. Harvey T W d Morgan cor 22d. Hatch Holbrook & Co d 265 Archer av. Hempstead & Beebe d 14 Chicago av. Higber Chas E d 242 S Water. Holt Balcom & King m and d (Conto Wis) 246 S Water. Holt Balcom & King m and d (Conto Wis) 246 S Water. Holmes & Co d 83 Grove. Holmes & Lo d 83 S Water. Holmes & Lo d 83 Grove.
Barton & Jones d 400 Lumber Cor W Division Basse & Bruse d Elston av n e cor W Division Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 347 Archer av. Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fi-k n 22d. Bishop & Lull d Throop n 22d. Boardman Packard & Co d 94 Lumber st. Bradley Shepard & Smith d 732 Clark st. Burdick & Mead W 22d cor Blue Island av. Bush & Hill m and d 242 S Water st. Bushnell, Walworth & Reed m and d 562 Lumber st. Calkins & Fisher d 213 Archer av. Chapin & Foss d 214 S Canal st. Charnley Bros & Co m and d 242 S Water st. Chicago Lumber Co m and d 242 S Water st. Clark Sami D d 70 LaSalle st. Combs Park & Co 22d st cor May. Curtis & Skinner d 96 N Canal st. Cuttler Savage & Co m and d 236 S Water st. Davis & Murray d 481 Archer av. Dean Bros d Fisk so f 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor Division.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th n e cor Butler. Garden City Mfg Co d 22d cor Morgan. Gardiner John D & Co m and d 520 Lumber. Gifford Ruddock & Co m and d 520 Lumber. Gifford Ruddock & Co m and d 700 T, 242 S Water Goss & Phillips Mfg Co m and d Clark s w cor 12th. Goodman J B & Co d Room 1 261 Randolph Goodman J B & Co d Room 1 261 Randolph Goodman W d 250 S Water. Goodrich W H d 84 Market. Gray A R & Co m and d 22d cor Throop. Graves D F d Throop n 22d. Gunderson Senit T m and d 228 S Water Grusendorf & Mueller d foot of Lessing Hannah Lyman & Co d 80 Main. Hartman & Graham d 238 S Water. Harvey T W d Morgan cor 22d Hatch Holbrook & Co d 265 Archer av Hempsicad & Beebe d 14 Chicago av. Higbee Chas E d 248 S Water. Holt Balcom & King m and d (Oconto Wis) 246 S Water Houghteling W D & Co m and d 250 S Water Holmes & Co d 83 Grove Holden H N d Markets e cor Jackson Holmes Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e Cor Jackson Holmes A Cod 83 Grove Holden H N d Markets e Cor Jackson Holmes A Cod 83 Grove Holden H N d Markets e Cor Jackson
Barton & Jones d 400 Lumber. Basse & Bruse d Elston av n e cor W Division Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 347 Archer av Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fisk n 22d. Bigelow Bros d Fisk n 22d. Bishop & Lull d Throop n 22d. Bradley Shepard & Smith d 732 Clark st Bradley Shepard & Smith d 732 Clark st Bradley Shepard & Smith d 732 Clark st Burdick & Mead W 22d cor Blue Island av. Bush & Hill m and d 242 S Water st Bushnell, Walworth & Reed m and d 562 Lumber st Calkins & Fisher d 213 Archer av Chapin & Foss d 214 S Canal st Charnley Bros & Co m and d 242 S Water st. Clumb Bros d Division cor Elston av. Clark Saml D d 70 LaSalle st. Combs Park & Co 22d st cor May. Curtis & Skinner d 96 N Canal st Cutler Savage & Co m and d 236 S Water st. Davis & Murray d 481 Archer av Dean Bros d Fisk so f 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor Division. Eldref Fred d North Branch cor Division. Eldref Ered d North Branch cor Division.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th n e cor Butler. Garden City Mfg Co d 22d cor Morgan. Gardiner John D & Co m and d 520 Lumber. Gifford Ruddock & Co m and d 520 Lumber. Gifford Ruddock & Co m and d 700 T, 242 S Water Goss & Phillips Mfg Co m and d Clark s w cor 12th. Goodman J B & Co d Room 1 261 Randolph Goodman J B & Co d Room 1 261 Randolph Goodman W d 250 S Water. Goodrich W H d 84 Market. Gray A R & Co m and d 22d cor Throop. Graves D F d Throop n 22d. Gunderson Senit T m and d 228 S Water Grusendorf & Mueller d foot of Lessing Hannah Lyman & Co d 80 Main. Hartman & Graham d 238 S Water. Harvey T W d Morgan cor 22d Hatch Holbrook & Co d 265 Archer av Hempsicad & Beebe d 14 Chicago av. Higbee Chas E d 248 S Water. Holt Balcom & King m and d (Oconto Wis) 246 S Water Houghteling W D & Co m and d 250 S Water Holmes & Co d 83 Grove Holden H N d Markets e cor Jackson Holmes Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e Cor Jackson Holmes A Cod 83 Grove Holden H N d Markets e Cor Jackson Holmes A Cod 83 Grove Holden H N d Markets e Cor Jackson
Barton & Jones d 400 Lumber. Basse & Bruse d Elston av n e cor W Division. Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 847 Archer av. Beldler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Bishop & Lull d Throop n 22d. Bishop & Lull d Throop n 22d. Bishop & Lull d Throop n 22d. Boardman Packard & Co d 94 Lumber st. Bradley Shepard & Smith d 782 Clark st. Budick & Mead W 22d cor Blue Island av. Bush & Hill m and d 242 S Water st. Calkins & Fisher d 213 Archer av. Chapin & Foss d 214 S Canal st. Chanley Bros & Co m and d 238 S Water st. Chicago Lumber Co m and d 242 S Water st. Chicago Lumber Co m and 242 S Water st. Chase & Pate d 511 Archer av. Clark Saml D d 70 LaSalle st. Combs Park & Co 22d st cor May. Curtis & Skinner d 96 N Canal st. Cutler Savage & Co m and d 236 S Water st. Davis & Mason m and d 236 S Water st. Davis & Mason m and d 236 S Water st. Dean Bros d Fisk sof 22d. Derickson & Sons d Laflin cor W 22d. Derickson & Sons d Laflin cor W 22d. Derickson & Sons d Laflin cor W 22d. Derickson & Sons d Laflin cor Division. Eldred E & Co d Polk s e cor Beach. Elkins & Cook d 881 Lumber.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. For & Howard d Ashland av cor Hickory. Franz L & Son d 24th n e cor Butler. Garden City Mfg Co d 22d cor Morgan. Gardiner John D & Co m and d 520 Lumber. Gifford Ruddock & Co m and d 520 Lumber. Gifford Ruddock & Co m and d 700 T, 242 S Water. Goss & Phillips Mfg Co m and d Clark s w cor 12th Goldie d Eighteenth s e cor Canal. Goodman J B & Co d Room 1 261 Randolph Goodman W d 250 S Water. Goodrich W H d 84 Market. Gray A R & Co m and d 22d cor Throop. Graves D F d Throop n 22d. Gunderson Senit T m and d 288 S Water. Grusendorf & Mueller d foot of Lessing. Hannah Lay & Co d 76 and 78 Lumber. Harvey T W d Morgan cor 22d. Hatch Holbrook & Co d 265 Archer av. Hempstead & Beebe d 14 Chicago av. Higbee Chas E d 242 S Water. Hillsrd Churchill & Co d Cologne cor Joseph Hipple & Lestmann d 61 Hawthorne av. Holt Balcom & King m and d (Oconto Wis) 246 S Water. Houghteling W D & Co m and d 250 S Water. Holden H N d Market s e cor Jackson.
Barton & Jones d 400 Lumber Cor W Division Basse & Bruse d Elston av n e cor W Division Batcheller & Slaight d Throop st cor 22d. Bateson Alex d 347 Archer av. Beidler J & Bro d Loomis cor 22d. Benton & Fuller d 140 Beach. Benton Geo C d Union s w cor 22d. Bigelow Bros d Fi-k n 22d. Bishop & Lull d Throop n 22d. Boardman Packard & Co d 94 Lumber st. Bradley Shepard & Smith d 732 Clark st. Burdick & Mead W 22d cor Blue Island av. Bush & Hill m and d 242 S Water st. Bushnell, Walworth & Reed m and d 562 Lumber st. Calkins & Fisher d 213 Archer av. Chapin & Foss d 214 S Canal st. Charnley Bros & Co m and d 242 S Water st. Chicago Lumber Co m and d 242 S Water st. Clark Sami D d 70 LaSalle st. Combs Park & Co 22d st cor May. Curtis & Skinner d 96 N Canal st. Cuttler Savage & Co m and d 236 S Water st. Davis & Murray d 481 Archer av. Dean Bros d Fisk so f 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor W 22d. Derickson & Sons d Laffin cor Division.	Ford River Lumber Co m and d office 242 S Water yard W Throop s of 22d. Fox & Howard d Ashland av cor Hickory. Franz L & Son d 24th n e cor Butler. Garden City Mfg Co d 22d cor Morgan. Gardiner John D & Co m and d 520 Lumber. Gifford Ruddock & Co m and d 520 Lumber. Gifford Ruddock & Co m and d 700 T, 242 S Water Goss & Phillips Mfg Co m and d Clark s w cor 12th. Goodman J B & Co d Room 1 261 Randolph Goodman J B & Co d Room 1 261 Randolph Goodman W d 250 S Water. Goodrich W H d 84 Market. Gray A R & Co m and d 22d cor Throop. Graves D F d Throop n 22d. Gunderson Senit T m and d 228 S Water Grusendorf & Mueller d foot of Lessing Hannah Lyman & Co d 80 Main. Hartman & Graham d 238 S Water. Harvey T W d Morgan cor 22d Hatch Holbrook & Co d 265 Archer av Hempsicad & Beebe d 14 Chicago av. Higbee Chas E d 248 S Water. Holt Balcom & King m and d (Oconto Wis) 246 S Water Houghteling W D & Co m and d 250 S Water Holmes & Co d 83 Grove Holden H N d Markets e cor Jackson Holmes Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e cor Jackson Holmes A Co d 83 Grove Holden H N d Markets e Cor Jackson Holmes A Cod 83 Grove Holden H N d Markets e Cor Jackson Holmes A Cod 83 Grove Holden H N d Markets e Cor Jackson

	Jenkins & Murphy d 22d cor Laffin Chicago Johnson A B d 148 Kingsbury	Shoemaker & Howell d Throop Ni22d Chicago Soper Brainard & Co d Polk cor Beach South Branch Lumber Co d 22d cor Loomis Starrett & Bro d W 12th s w cor Lumber Stephens & Clarke Archer av cor Quarry. Stevens Plowdon d 924 S Halsted Street & Chatfield d Rocket wend of Huron Terry & Bro d w end 18th st bridge The B L Anderson Co m and d Fisk cor 22d The Kirby Carpenter Co m and d Loomis nr 22d Thompson H & Co d Quarry bet Archer av and the river Truesdell Gideon Room 6 242 S Water Turner E H & J S d 84 and 86 Lumber Waldo John d 120 N Canal Waldo Waters & Co d 7 N Canal Waldo Waters & Co d 7 N Canal Walkup & Neebes d 861 Lumber
	Martin S K d 438 Lumber	Washburn Edgar d 195 18th
	mears Bates & Co m and d 82 Beach	Washburn Edgar d 195 i8th
	Mears C & Co m and d 58 Kingsbury Mendson & Winter d Throops of 22d	Wilce Stephens & Co p m 22d and Throop
	Menominee River Lumber Co m and d office	White Swan & Co m and d 252 S Water Whitbeck H Company m and d 257 W 22d
	200 S Water	head of Fisk
	Merrill & Skeele -d 345 Lumber Meyer C J L d 25 W Ohio	Whitcomb R S d 714 W Washington
	Minard Ira & Co d Loomis N 22d	Wheelock Sylvester d foot of Fisk
	Munro Robbins & Co d W 12th cor Lumber	White Joseph d 126 N Union
	Nelson Bros d Grove n w cor 22d	white Rowell & Co d 34 W Chicago av
	N Ludington Co m and d office 242 S Water Noble & Little d Canal n w cor Carroll av	Wolf Kauf & Essroger d Sebor bet Canal and
	Norris Lumber Co d 165 W 22d	Beach
	North Branch Lumber Co d 40 Front	Wooding with the first of the control of the contro
	Palmer Fuller & Co d W 22d cor Union	COMMISSION.
	Park & Soper d 775 S Canal	Barker Cyrus A 252 S Water
	Perry Pearson & Co dS end Sherman N	Bell Robt L Room 2, 252 S Water
	12th	Bickford R K & Co 240 S Water
	Peshtigo Co m and d N Water N pier Phillips & Browne m and d Room 2 288 S	Blanchard Borland & Co 242 S Water
	Water	Brown W Room 5, 242 S Water
	Pillsbury Bradley & Co d Main n e cor Co-	Carter Artemas 240 S Water
	Pond & Soper d W 22d cor Loomis	Deming Chas & Co Room 3, 233 S Water
	Porter & Co m and d Room 1, 261 Randolph	Ewer & Aarhaus 238 S Water
	Queal Robt F & Co d Throop s of T22d	Frazer Jas Room 16, 242 S Water Goodenow & Hinds 284 S Water
	Richards Norris & Co d W 22d cor Laffin	Irish Bullen & Co 234 & Water
	Rietz Chas & Bro d 27 N Canal	Long John 238 S Water
	Robinson Geo G & Co d Hawthorne av n of	Loomis John & Co 2 Franklin
	gas works	Meglade W Room 2, 288 S Water
	Ryerson Martin & Co m and d Room 4 242 South Water	Prettyman W B 236 S Water
	Ryan Young & Co m and d 236 S Water	Rice Ed B Room 4, 252 S Water
3	Sawyer S W d 133 LaSalle	Ripley W 238 S Water. Schulenburg Albert 234 S Water.
	Schulenburg & Boeckler m and d Main cor Cologne	Schulenburg Albert 234 S Water
	Spalding Jesse m and d 250 S Water	Simpson Ruddock & Co 238 S W Southworth W L 234 S Water
8	Sheriffs John & Son d Beach cor Taylor	Williams Thomas 238 S Water
	IOX	WA.
1	Steerwalt W dAbbott	Goodsill & Bro dBedford
	Jarton & Co d Ackley	McConville H & Co
1	Rath John d	Henry Jas P d Belle Plaine
	Beymer G W d	Wilson J D d. agent
		Henry Jas P d
	Gilbert, Hedge & Co d (Burlington Ia)Albia Patton U L d	Strasser & Schieck p in and d
	Taylor & Bro dAlden	Parker & Upton (hardwood mill)Bertram. Wise J K dBlairstown
	Taylor & Bro d	Wise J K dBlairstown St John Jas dBloomfield
		Eutler & Meek p mBonapart
-	Wilson John & Co d	Eutler & Meek p m Bonapart Kerr, W B d (*gent) Carr Chas W d Boone
•	T. T. Attention	Nowlin Bros d
1	Madigan M d	Lloyd & Stickney d Brighton
	Jones & Bradley (hardwood mill)	Memer, John d
100	darkham M A d	Burdick A (hardwood mill) Bristol Morris J W d Brook
-	Bowers & Billmyer (hardwood mill)Auburn	Small W E & Son d
	Bryant & Sharp (hardwood mill) Augusta Ainsworth & Waterman d Avoca	Schuh L & Co mand d
1	Ledwick T d	Small W E & Son d Buffalo Cass H d Buffalo Schuh L & Co m and d Burlington

Berry W S & Co m and dBurlingten	Allen & Boss dDexter
Carson & Rand m and d	Mark J G d
E D Rand & Co m and d	Elerich James d
Dickie J & J m and d Duncan & Hosford m and d	Dow & Graves dDowville
Duncan & Hosford m and d	Lockman & Elliott d
Gilbert, Hedge & Co d	Robison J M m and d
Joy E & Co	Weston Burch & Co m and d
Noire Gillie & Co n m	Carr Austin & Co sash doors etcDubuque
Naira, Gillis & Co p m	Clarke & Scott m and d
Winter D & Co p m	Dubuque Lumbor C m and d
Seeley & Shaw d (McGregor Ia	Iowa Lumber Co m and d
Anthony & McLoskey m and dCamanche	Ingram Kennedy & Day m and d
Grafton W H (hardwood mill)Cambridge	Knapp Stout & Co m and d
Gratton W H (hardwood mill). Camorings Green J L d. Carroll Hatch & Wingate d. Casey Whitmore E O & Co d. Cedar Fall	Lumbert E R & Co d
Hatch & Wingate dCasey	Lembeck H & Co sash doors etc
Whitmore E O& Co d	Wheeler & Warner dDunlap
Writtmore E O & Co d Ford & Zeising d	Wheeler & Warner d
Croon & K. wley d	Krapfl A d
Lamb C & Son m and d (Clinton Ia)	Twogood C d
Dyer d	Brown Doty & Co d Eagle Grove
Boiles & Co d	Puckitt Daniel d
Gilbert, Hedge & Co d (Burnington)	Getchell & Son d (Des Moines) Earlnam
Andrews & Harrison, sash, doors, etc Charles City	Harper Geo dEarlville
Grimmels H, sash, doors, etc	McGavic E J & Bro d (Keokuk)Eddyville
	Medavie E 3 & Bro u (Reodal) Sage E T & Co d Eldon Hall & Conger d Eldora Flein
Parker & Gennels p m Chelsea Archer Jas d Cherokee	Dimond & Winden m and d. Elgin Sutter Lewis & Co d. File River
Smith, Stephen d	Sutter Lewis & Co d
Archer Jas d	Froarque Daniel m and dElk River
Hixon & Fisher d	
Hobart & Snyder d. Chillicothe	
Oggood & Kimball d	Wilson J J & Co d
Rucktaschel Geo dClayton	Hedges J S & Co dFairiax
Rucktaschel Geo d. Clayton Schumaker A & Co. Clayton	Phipps J N d
Woodford & Johnson d	Doty N S d
Clinton Lumber Co m and d	Rand E D& Co m and a (Burnington)
	Rand E D& Co m and d (Burlington) Farley Whitmore Seth d Farmington Gabelman Fred d Farmington
Joice & Smith sash, doors etc	Lyman G F d
Lamb C & Son m and d	Duckworth Cook & Co m and dFloris
Colesburg	Blowers & Clark (hardwood mill)Forest City
White & Bedow	Blowers & Clark (hardwood mill) Forest City Shori N d Ft. Atkinson Ft. Dodge
White & Bedow. Baldwin & Maxwell d (Iowa Center). Colo Hobbie & Bro d. Columbus Junction Hoyt & Burdick d Conover Seely & Shaw McGregor Ia. Beymer A M & Co d. Corning Johnson H L& Co.	Brown H C d
Hobbie & Bro dColumbus Junction	Conway Owen d
Hoyt & Burdick dConover	Keefer Plough & Co d
Seely & Shaw McGregor Ia	Atlee Saml J & Co m and dFort Madison
Beymer A M & Co d Corning	Gibbs E A d
Johnson H L & Co	Kasten Chas D Inkman & Felix d
Waldon Allen d	Miller N B & Co
Green Thos & Son d Council Blans	Wilson Take d
Hammer Lewis d Hoagland Geo T & Co d (Hannibal Mo)	Planfuse F d Franklin Center
Voung & Co. d	Regiton A m and d
Young & Co d	
Rand E D & Co m and d (Burlington Ia) Creston Rand E D & Co m and d (Burlington Ia) Crowdell Place Convention	Ripper John & Bro m and d
Rand E D & Co m and d (Burlington Ia) Cromwell	Woodford & Wells dGarnavil
Easton J S dDallas Center	Marsh & Lambert dGlen Roy
Easton J S d Dallas Center Cable G W & H d Davenport	Maran & Lambert d
Davis L.S. m and d	Tistleson O d
Kirk F, sash, doors, etc	Hankins & Ruggles dGlidden
Kirk F, sash, doors, etc	Hankins & Ruggles d Glidden Park C B & Co d Grand Junction Clark S H d Grand Mound
Price Herrby & Kahoe m and d	Clark S H dGrand Mound
Benwick Wm m and d	
Roberts & Rohrbach, sash doors etc	Barnum, Case & Co d Green Craver & Steele d. Grinnel' Davis & Kelsey d.
Schricker & Mueller m and d	Craver & Steele dGrinner
Skinner W J d	Davis & Kelsey d
Flemming W & J d (McGregor Ia)Decorah	Hobart Chas & Son d
	Floate Chas d
Knowles J d	Goetz, Adam d
Chandler M dDelmar	Luck B H d
Wheeler & Warner d Dennison	Phelan & Zimmerman m and d
Dupuls M d Dennison Wheeler & Warner d Dennison Carver Young & Co d Des Moines Collins & Shyrock d Description	Wikoff A H dHamburg
Collins & Shyrock d	Smith H J & A J d
Getchell & Son d	Smith W P & Bro d
Getchell & Son d	Lane & Hollister d
Heath H R sash doors etc	Flusher A H hardwood mill
Sypher R W d	Ingram Kennedy & Day m and d
Getchell & Son (Des Moines Ia)	(Dubuque Ia)
Buckley John d	Kinyon S C d
Kettering & English p m	Kinyon S C d Newman S d
Triving a magnin P military	

	Martin S & Co d Mona Burdick E E d Monticello Smith Thos P & Bro d Montour Ochiltree H M & Sons d Morning Sun Norwood D d Moulton Grove James d Mount Pleasant Ketchum L & Bro d Ludham Bros p.m
Stout Z & Co d	Rurdick F E d Monticello
Zinn E d	Smith Thos P & Bro d
Chase & Hube dIonia	Ochiltree H M & Sons dMorning Sun
Baldwin & Maxwell dIowa Center	Norwood D d
Musser R & C d Iowa City	Grove James dMount Pleasant
Porter J W d	Ketchum L & Bro d
Chale and I II & Day of Tomo Pello	Ludham Bros p m
Hoag Zeno d. Richardson J C hardwood mill. Yerger A d. Jefferson Moore & Hoyt m and d (Dubuque Lumb Co). Jessup Taylor Thos d. Hayward d. Kellogg	Schreiner T d
Richardson J C hardwood mill	Boyd D L dMount Vernon
Yerger A dJefferson	McClellan & Kirkpatrick m and d
Moore & Hoyt m and d (Dubuque Lumb Co) Jessup	Wick J E dMurray Station
Taylor Thos d	Boyd D L d
Hayward d	Garlock John S d
Hosmar & Reldwin mand d	Hershey & Irvine m and d
Me Gavic & Co d	
Magoun & Co d	Kirk W T p m
Scroggs J W d	Kirk W T p m
Hayward d. Kellogg Andrews JH d. Keokuk Hosmer & Baldwin m and d. Keokuk Mc Gavic & Co d. Magoun & Co d. Scroggs J W d. Tabor & Co m and d. Wells, Felt & Spaulding m and d. Marshall Joshua m and d. Kirkville Butterfield & Co d. Knoxville Butterfield & Garrison d.	Stine S G d
Wells, Feit & Spaulding in and d	Union Lumbering Co m and d. Turner & Bellany d. Nashua Dillin CD d. Neola Lockridge W d. Swazey L T d. Newell Nicholson & Fowler d. Swazey L T d. McLaren & Meyer d. New Hampton Williams E d. New Hatford Kalbach Isaac & Son d (Oskaloosa). New Sharon Atwater & Hoskins d. Newton Curtis & Manning d.
Rutterfield & Co. d. Knovville	Dillin CD d
Donley & Garrison d	Lockridge W dNevada
Donley & Garrison d	Gordon Burt & Weston dNewell
Miller Sam'l dLamville	Nicholson & Fowler d
Miller Sam'l d Lamville Albert E T & Son d Lansing Hemingway Barclay & Co d	Swazey L T d
Hemingway Barclay & Co d	Williams F d New Hartford
Johnston S B d	Kalbach Isaac & Son d (Oskeloosa) New Sharon
Klingaman & Felt dLa Porte City	Atwater & Hoskins dNewton
Fleming & Bro d (McGregor Ia)Lawler	Curtis & Manning d
Klingaman & Felt d La Porte City Fleming & Bro d (McGregor Ia) Lawler Zepley & Van Sant m and d. Le Claire Fairchild R C d Le Mars	Hanson A P d
Fairchild R C d Le Mars	Brown T H dNorway
Stanles Jesus mand d (Stillwater Minn)	Harner W L d
Beymer A S d	McGlathery T K dOelwein
Cole Warren Jr dLeon	Sylvester F dOgden Station
Fry Jacob hardwood millLibertyville	Wheelock & Adams d
Staples Isaac m and d (Stillwater Minn) Beymer A S d Cole Warren Jr d Leon Fry Jacob hardwood mill Libertyville Pancoast Joseph d Lisbon	Elwell John d
Auracher G dLisbon	Brown T H
Autacher G Lissom Smith P E d Lissomb Schofield & Son hardwood mill Little Sioux Goreham & Pelton d Loss Nation Peterson Aug. d Lowden Barnum J H d Lyons Buffum G A d Disbrow M A d and sash doors etc. Jovee & Smith m and d	Spurr C E dOnslow
Goreham & Pelton dLost Nation	Chute & Cotton d. Osage George & Lizotte p m. Harding G F hardwood mill.
Peterson Aug. dLowden	George & Lizotte p m
Barnum J H dLyons	
Dishrow M A d and such doors ate	Gilbert Hedge & Co d (Burlington)Osceola
Joyce & Smith m and d	Gilbert Hedge & Co d (Burlington) Osceola Rand E D & Co m and d (Burlington) Kalbach Isaac & Son d Oskaloosa Leighton C d
Langford C E d	Kalbach Isaac & Son dOskaloosa
Distrow M A d and sash doors etc. Joyce & Smith m and d. Langford C E d. Magill Chas H d. Stockwell Ira m and d. Daubenberger & Strauer m and d. Seeley & Phelps m and d. Buttles & Vernon d. Buttles & Vernon d. Malcom Moninger Ringland & Summers d. Malvern Place AD d. Buckley G R d. Manchester Dyer W d. Manchester Manufacturing Co.	Leighton C d
Stockwell Ira m and d McGregor	Snyder & Duke pm
Fleming W & J m and d	Flemming W & J m and d (McGregor Ia) Ossian
Seeley & Phelps m and d	Kiser J M dOttumwa
Buttles & Vernon d	Millard J J & Co d
Moninger Ringland & Summers dMalvern	Thornburg dOxford
Place A D d	
Duar W d	Clarnock C d
Manchester Manufacturing Co	Wilson J W d Oxford Kettring A & Co hardwood mill Palo Clarnock C d Parkersburg McGavie E J & Bro d Pella Newport B F d Perry Denn E J d Plainfield Mores W H d Plymouth Page L A d Plymouth Mott J S Postville Fish & Hammond m and d Prairie City McGavie E J & Bro d Quarry Steinbeek Silas d Quarry
Bradley Geo T d	Newport B F dPerry
Calamer Stephen sash doors etc	Dean E J dPlainteid
Joiner Bros & Co d	Page I. A. d
Ketchum & Bro. d	Mott J SPostville
Morrison A J d	Fish & Hammond m and dPrairie City
(lexander J S d	McGavie E J & Bro d
Wood Geo F d	Steinbeck Silas d. Quarry Bryson & Son d. Red Oak Junction Clark J & Co d
Cunningham D W d	Clark I & Co. d
Woodworth W.C.& Son. d	Rogers & Son d
Ulsh Fostrier & Brewer d	Allen W H & E T dRidgeway
Lyman W H d (agent)Mason City	Rogers & Son d. Ridgeway Allen W H & E T d. Ridgeway Myers & Peck d. Rockford Emerson & Fay d. Russell Comstock D F d. Russell Long E & H M m and d. Sabula Risley & Day m and d. Sabula
Sprague M A d	Emerson & Fay dRockford
Wilson & Herrick d	Long F & U M m and d Sabula
Armortront & Co. d. Machanicavilla	Risley & Day m and d
King W W d	Shaw D & Co m and d (Ean Claire Wis)
Funk W O dMelrose	Rhames John N dSt Ausgar
Merrill L & Bros dMillville	Howe W B dSaylorsville
Brown & Conson d	Caughran J D d Shelby
Buckley G R d. Manchester Dyer W d. Manchester Manufacturing Co. Bradley Gco T d. Maquoketa Calamer Stephen sash doors etc. Joiner Bros & Co d. Marble Rock Ketchum & Bro d. Marengo Morrison A J d. 'dexander J S d. Marion Wood Geo F d. Cunningham D W d. Marshalltown Stoddart H d. Moodworth W C & Son d. Ulsh Fostrier & Brewer d. Marysville Lyman W H d (agent). Mason City Sprague M A d. Wilson & Herrick d. Griffin B d. Masonville Armentrout & Co d. Mechanicsville King W W d. Mediapolis Funk W O d. Melrose Merrill L & Bros d. Milbville Gill M & Son d. Milbville Gill M & Son d. Miltchell Kimball & Mitchell d. Mitchellville	Risley & Day m and d Shaw D & Co m and d (Ean Claire Wis). Staw D & Co m and d (Ean Claire Wis). Stay D & Co m and d (Ean Claire Wis). Stay D & Co m and d (Ean Claire Wis). Stay D & Co m and D & Say D & Co m and D & Shelby Bradley S & d Sheldon Sheldon

Lane H C d. Sheldon Mykoff Jas d. Shell Rock Bryson & Son d. Shenandoah Riley & Grant d Sibley Schell Levi d. Schuck D M d Brown & Yerger d. Sigourney Hedges & Spaulding d Sioux City Rice H B d Sanborn & Follett hardwood mill. Beermaker A d Stanwood Munson T S & Co d State Center Tuthill J W d Steamboat Rock Green B F d Storm Lake Sluzz Theo d Storm Lake Sluzz Theo d Stant City Hall B A d Lamb C & Son m and d (Clinton Ia) Culbertson John d Traer McCormick Bros d Smith John a Union Mossman Alex d Urbana De Wolf James d Vail Station Taylor J C & Bro m and d Vail Station Taylor J C & Bro m and d Vail Station Taylor J C & Bro m and d Van Meter	Cadle C F & W L d. Victor Chadbourne A S d. Vinton Stickney & Bros d. Vinton Stickney & Bros d. Vinton Stickney & Bros d. Voung & Son hardwood mill. Avery Spangler & Co d. Walnut Station Denny J M & Co d. Washington McCoughcy & Co p m. Washington Sheridan & Hardestz d. Wilson & Wallace d. Allee & Lindley d. Waterloo-Ankenny & Lusch d. Beck Newman & Bro. Cobb & Jones d. Cutler W H d. Johnson H M d. Moore M H & Co d. Bodeker & Maas d. Pairfield C d. Hunt & Holt d. Ewing J & Son d. Webster City Worthington W S d. West Branch Gordon A d. West Cidar Rapids Deemer J A d. West Liberty Woodward Chas d. West Union Woods Hall & Co d. Wheatland Seidell & Co d. Wheatland Seidell & Co d. Wheatland Seidell & Co d. Worthington Paft D C stave factory. Yankee Settlement
· MINNI	SOTA.
Getchell, C. S. & Co., m and d. Afton Olds & Lord, m and d. Alexandria St. Paul Lumber Co., m and d (see St. Paul). Anoka Washburn, W. D. & Co., m and d (see Minneapolis). Mower, Martin Arcola Saulter, E. A. D. Atwater Richards, W., d. Austin Gordon & Cooley, m and d. Barnum Essler & Bro., m and d. Beaver Falls Weed & Colson, s. m Belle Plaine Meldal & Sunde, d. Benson Vogel, August, m and d. Brainard & Whitton, d. Biooming Prairie Brainard Lumb. & M'f'g Co. m and d. Brainard Brown, H. A., d. Brownsdale Paul, John, m and d (La Crosse, Wis). Gilbert, O. S. d. Brownsdale Paul, John, m and d (La Crosse, Wis). Funk, John, d. Carver City Schrimpf, A. D. Grannis, S. S., m and d. Changlin Kenny, Chas., m and d. Clear Water Talbot & Smith, m and d. Clear Water Talbot & Smith, m and d. Clear Water Talbot & Smith, m and d. Cleveland Warde Bros. & Runions Colato Pendergast & Chisley, m and d. Coldingwood Lucas, Adam, m and d. Dedpam Parslow, H. C. D	Harding, J. p. m. Hersey, Bean & Doe, m and d (Stillwater) Hulett & Norton, p. m. Humphrey, H. d. Russell, L. G. d. Coleman, C. L. m and d (La Crosse, Wis). Lanesboro Paul, John, m and d (La Crosse, Wis) Crocker Bros. & Lamereaux, m and d (Minneapolis. Mc Call, M. d. Fifield, D. S. & Son. Le Roy Davis, L. B. Paul & Stone, m and d Butler, Chauncey Litchfield Leavitt, S. W. Hill, E. G. & Bro. m and d. Lyle Lyle

Walker, Judd & Veazie m and d Marine Mills	Lindson C.W. mand d. Ct. Thomas
Langdon N R Marshall	Lindsay G W m and d
Langdon, N. B	woodbury D m and d
Chase T	
Chase, J	St Paul Lumber Co m and dSt Paul
Farnham & Lovejoy m and d	Taylor H J & Co m and d
Rollins, John	Anoka Lumber Co m and d
Rollins, John	Grant, Mc Caine & Co m and d
Gaines, Cook & Co. m and d	Keller John M m and dSt. Paul
Wheaton, Reynolds & Co., sash,doors &c Ankeny, W. P. & Bro. m and d Bedford, Boyce & Baker mand d Clark, F. P. m and d	Page 1 P & Co
Ankany W D & Pro mand d	Evans E E & Co m and d
Delford Describ Delegand Comment	Munch, Gustave m and d
Bediord, Boyce & Baker mand d	Prince John L m and d
Clark, F. P. m and d	De Cou & Co sash, doors etc
Copeland, Jesse & Son, p. m	Metter & Heritage m and dSt Peter
Crocker Bros. & Lamereaux m and d	Snyder, Damsen & Co m and d
Bray, Wilder, & Co. d	Ma Clare TO mand d
Dar I. A Sone mand d	Mc Clure T C m and dSauk Center
Day, L. & Sons m and d	Boulter & Burget m and d Sauk Rapids
Dean, Joseph & Co. m and d	Wilder J A d Shakopee
Eastman, Bovey & Co. m and d	Mirns T m and d Silver Lake
Eldred, W. H. s. m	Harriman S m and dSomerset
Judd, W. S. m and d Langdon, R. B. & Co. p. m. Morrison Bros. m and d	Coleman C L m and d (La Crosse Wis) Spring Valley
Langdon, R. B. & Co. n m	Dani John m and d (To Change Wis) Spring valley
Morrison Bros mand d	Paul John m and d (La Crosse Wis)
Pottit Pohinger & Co.	Bronson & Fulsom m and d Stillwater
Pettit, Robinson & Co. m and d	Hersey, Bean & Brown m and d
Russell & Co. p. m	Staples Isaac m and d
Russell & Co. p. m. Smith, Parker & Co. p. m. Union Planing Mill Co. p. m. Washburn, W. D. & Co. m and d	Seymour, Sabine & Co m and d
Union Planing Mill Co. p. m	St Croix Lumber Co m and d
Washburn, W. D. & Co. m and d	Prostor I & (Soar St Choir D Co)
Ingalla Bros d	Proctor J S (Secy. St Croix B Co)
ingans blos. u	Matthews S logger
Ingram, Kennedy & Co. m and d (Eau Claire, Wis.)	Nelson C N logger
Ciaire, W18.)	Tozer David logger
Hitter, F. m and d	Chalmers & McMillan
Douglass, James d Moorhand	Durand E W
Avery, Jas. T	Gaelin David
Adams C D stave m'f'e Mounistania	Gaslin David
Herchev & San mand d	Mc Kusick, Andersen & Co m and d
Nesteney & Son in and d	Mower Martin
Norton R M m and d	Schulenberg, Bæckler & Co m and d
Osterhant Jas m and d	Ellison, Smith & Co m and d Taylor Falls
Keen & WhitcombNicollet	Folsom W H C
Ames, Jesse & Son m and d	Fox P
Dwinell E C sash, doors, etc	Mc Court J H
Mann Chas W	O'Prion John
Stewart S P m and d	O'Brien John
Whittle & Cowleys mand d	Ingraham, Kennedy & Gill m and d (Eau Claire, Wis)
Whittle & Curlaw m and d	Claire, Wis)Wabasha
Miller A M m and d N P Junction	Smith Warren d
rayne J m & Co m and d	Elliot d
Payne J M & Co m and d	Elliot d
Mungerd Grey m and d Oneota	Durr Peter Waverly
Mungerd Grey m and d Oneota	Durr Peter Waverly
Mungerd Grey mand dOneota Phelps Bros mand dOtsego Frazie R L mand dOtter Tail Cite	Durr Peter Waverly
Mungerd Grey m and d	Durr Peter Waverly Halbrecht
Mungerd Grey m and d Oneota Phelps Bros m and Otsego Frazle R L m and d Otter Tail City Backus Bros Owatonna Crocker Bros & Lamereaux (Minneapolis)	Durr Peter. Waverly Halbrecht Cole & Laird d. Wells Coleman C L m and d (La Crosse Wis). Whalan Hays W W. Willmar
Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otter Tail City Backus Bros Owatonna Crocker Bros & Lamereaux (Minneapolis). Murray A G d	Durr Peter. Waverly Halbrecht Cole & Laird d. Wells Coleman C L m and d (La Crosse Wis). Whalan Hays W W. Willmar
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Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otsego Frazie R L m and d Otter Tail City Backus Bros Otter Tail City Crocker Bros & Lamereaux (Minneapolis) Murray A G Dine City Lumber Co m and d (St. Paul) Fife W W d Preston Cogel & Betcher m and d Red Wing	Durr Peter. Waverly Halbrecht. Wells Cole & Laird d. Wells Coleman C L m and d (La Crosse Wis). Whalan Hays W W. Wilmar Paulson John. Robbins A B. Gillaland Thos. d. Windom
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Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otter Tail City Backus Bros & Lamereaux (Minneapolis). Murray A G d Pine City Lumber Co m and d (St. Paul). Pine City Fife W W d Preston Cogel & Betcher m and d Red Wing Daniels & Simmons. Red Wing Mill Co m and d Red's Landing Stout Jas H m and d Red's Landing	Durr Peter Waverly Halbrecht Wells Cole & Laird Wells Coleman C L m and d (La Crosse Wis) Whalan Hays W W Willmar Paulson John Robbins A B Gillaland Thos d Windom Hubbs Chas L d Winnebago City Balcom J & H C Winnona
Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otter Tail City Backus Bros Owatonna Crocker Bros & Lamereaux (Minneapolis). Murray A G d Orie City Lumber Co m and d (St. Paul). Pine City Fife W W d Preston Cogel & Betcher m and d Red Wing Daniels & Simmons. Red Wing Mill Co m and d Red's Landing Stott Jas H m and d Red's Landing Buttles & Herrick n m	Durr Peter. Waverly Halbrecht. Wells Cole & Laird Wells Coleman C L m and d (La Crosse Wis). Whalan Hays W Willmar Paulson John. Robbins A B Gillaland Thos d Windom Hubbs Chas L d Windom Windom Goleman C A d Winnebago City Balcom J & H C Winona Gage A W & Bro. Horton & Hamilton d Winona
Mungerd Grey m and d Oneota Phelps Bros m and d Ossego Frazie R L m and d Otter Tail City Backus Bros Crocker Bros & Lamereaux (Minneapolis). Murray A G d Pine City Lumber Co m and d (St. Paul). Pine City Fife W W d Preston Cogel & Betcher m and d Red Wing Daniels & Simmons. Red Wing Mill Co m and d Reed's Landing Buttles & Herrick p m Rochester	Durr Peter. Waverly Halbrecht. Wells Cole & Laird Wells Coleman C L m and d (La Crosse Wis). Whalan Hays W Willmar Paulson John. Robbins A B Gillaland Thos d Windom Hubbs Chas L d Windom Windom Goleman C A d Winnebago City Balcom J & H C Winona Gage A W & Bro. Horton & Hamilton d Winona
Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otter Tail City Backus Bross & Lamereaux (Minneapolis). Murray A G d Pine City Lumber Co m and d (St. Paul). Pine City Fife W W d Preston Cogel & Betcher m and d Red Wing Daniels & Simmons. Red Wing Mill Co m and d Reed's Landing Buttles & Herrick p m Rochester Dodge W H d Gillman N F p m.	Durr Peter. Waverly Halbrecht
Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otsego Frazie R R R R R R R R R R R R R R R R R R R	Durr Peter. Waverly Halbrecht Wells Cole & Laird d. Wells Coleman C L m and d (La Crosse Wis). Whalan Hays W W. Willmar Paulson John. Robbins A B Gillaland Thos d. Windom Hubbs Chas L d. Winnebago City Balcom J & H C. Winnebago City Balcom J & H
Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otsego Frazie R R R R R R R R R R R R R R R R R R R	Durr Peter. Waverly Halbrecht. Wells Cole & Laird d. Wells Coleman C L m and d (La Crosse Wis). Whalan Hays W W. Willmar Paulson John Robbins A B Gillaland Thos d. Windom Hubbs Chas L d. Winnebago City Balcom J & H C. Winnebago City Balcom J & H C. Winnebago City Horton & Gage A W & Bro. Horton & Hamilton d. Knight, Bennett & Co m and d. Laird, Norton & Co m and d. sash,doors &c Langdon A sash, doors etc.
Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otter Tail City Backus Bros Crocker Bros & Lamereaux (Minneapolis). Murray A G d Pine City Lumber Co m and d (St. Paul). Pine City Fife W W d Preston Cogel & Betcher m and d Red Wing Daniels & Simmons. Red Wing Mill Co m and d Red's Landing Buttles & Herrick p m Rochester Gillman N F p m Rochester Gillman N F p m. Laird, Norton & Co m and d (Winona). Robson John m and d (Winona)	Durr Peter
Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otter Tail City Backus Bros Owatonna Crocker Bros & Lamereaux (Minneapolis). Murray A G Oneota Pine City Lumber Co m and d (St. Paul). Pine City Fife W W Oneota Oneota Oneota Preston Cogel & Betcher m and d Red Wing Daniels & Simmons. Red Wing Mill Co m and d Reed's Landing Buttles & Herrick p m Rochester Dodge W H Oneota On	Durr Peter. Waverly Halbrecht. Wells Cole & Laird d. Wells Coleman C L m and d (La Crosse Wis). Whalan Hays W W. Willmar Paulson John. Robbins A B. Gillaland Thos d. Windom Hubbs Chas L d. Coleman C A d. Winnebago City Balcom J & H C. Winnebago City Balcom J & H C. Winnebago City Balcom J & H C. Winnebago City Balcom J & Bro. Horton & Hamilton d. Knight, Bennett & Co m and d. Laird, Norton & Co m and d. Laird, Norton & Co m and d. Laird, Norton & Sash, doors etc. Robson John m and d. Rose O sash, doors etc.
Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otter Tail City Backus Bros Crocker Bros & Lamereaux (Minneapolis). Murray A G Dine City Limber Com and d (St. Paul). Pine City Fife W W d Preston Cogel & Betcher m and d Red Wing Daniels & Simmons. Red Wing Mill Com and d Reed's Landing Buttles & Herrick pm Rochester Dodge W H d Gliman N F pm Rochester Laird, Norton & Com and d (Winona). Robson John m and d (Winona). Martin S A m and d Rush City Reliev Short & Com and d Rush City Reliev Short & Com and d Reliev Short	Durr Peter. Waverly Halbrecht. Wells Cole & Laird d. Wells Coleman C L m and d (La Crosse Wis). Whalan Hays W W. Willmar Paulson John. Robbins A B. Gillaland Thos d. Windom Hubbs Chas L d. Coleman C A d. Winnebago City Balcom J & H C. Winnebago City Balcom J & H C. Winnebago City Balcom J & H C. Winnebago City Balcom J & Bro. Horton & Hamilton d. Knight, Bennett & Co m and d. Laird, Norton & Co m and d. Laird, Norton & Co m and d. Laird, Norton & Sash, doors etc. Robson John m and d. Rose O sash, doors etc.
Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otter Tail City Backus Bros Crocker Bros & Lamereaux (Minneapolis). Murray A G Dine City Limber Com and d (St. Paul). Pine City Fife W W d Preston Cogel & Betcher m and d Red Wing Daniels & Simmons. Red Wing Mill Com and d Reed's Landing Buttles & Herrick pm Rochester Dodge W H d Gliman N F pm Rochester Laird, Norton & Com and d (Winona). Robson John m and d (Winona). Martin S A m and d Rush City Reliev Short & Com and d Rush City Reliev Short & Com and d Reliev Short	Durr Peter. Waverly Halbrecht
Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otter Tail City Backus Bros Crocker Bros & Lamereaux (Minneapolis). Murray A G Dine City Limber Com and d (St. Paul). Pine City Fife W W d Preston Cogel & Betcher m and d Red Wing Daniels & Simmons. Red Wing Mill Com and d Reed's Landing Buttles & Herrick pm Rochester Dodge W H d Gliman N F pm Rochester Laird, Norton & Com and d (Winona). Robson John m and d (Winona). Martin S A m and d Rush City Reliev Short & Com and d Rush City Reliev Short & Com and d Reliev Short	Durr Peter. Waverly Halbrecht Wells Cole & Laird d. Wells Coleman C L m and d (La Crosse Wis). Whalan Hays W W. Willmar Paulson John. Robbins A B Gillaland Thos d. Windom Hubbs Chas L d. Winnebago City Balcom J & H C. Gage A W & Bro Horton & Hamilton d. Knight, Bennett & Co m and d. Laird, Norton & Co m and d. Laird, Norton & Co m and d. Laird, Norton & Co m and d. Rose O sash, doors etc. Tucker O C. Tucker O C. Youmans Bro & Hodgins m and d.
Mungerd Grey m and d Oneota Phelps Bros m and d Otsego Frazie R L m and d Otter Tail City Backus Bros Crocker Bros & Lamereaux (Minneapolis). Murray A G Dine City Limber Com and d (St. Paul). Pine City Fife W W d Preston Cogel & Betcher m and d Red Wing Daniels & Simmons. Red Wing Mill Com and d Reed's Landing Buttles & Herrick pm Rochester Dodge W H d Gliman N F pm Rochester Laird, Norton & Com and d (Winona). Robson John m and d (Winona). Martin S A m and d Rush City Reliev Short & Com and d Rush City Reliev Short & Com and d Reliev Short	Durr Peter. Waverly Halbrecht. Wells Cole & Laird d. Wells Coleman C L m and d (La Crosse Wis). Whalan Hays W W. Willmar Paulson John. Robbins A B. Gillaland Thos d. Windom Hubbs Chas L d. Coleman C A d. Winnebago City Balcom J & H C. Robson J & Winnebago City Balcom J & Sah, doors etc. Largdon A sash, doors etc. Robson John m and d. Rose O sash, doors etc. Tucker O C. Youmans Bro & Hodgins m and d. Crocker Bros & Lamereaux m and d
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Jones B F dBoonville Roberts & Lee d	Miller W H & Co p m
Thro I E d	Price I R d
Thro J E d	
Eales T T dBreckenridge	Skinner & Co sash doors etc
Plumb & Co d	Ure & Co
Betlheim & Kerr dBrookfield	Ure & Co
Eales T T d Breckenridge Plumb & Co Betlheim & Kerr Betlheim & Kerr Brookfield Ryner J M Brownsville Matlack Geo & Co d (St Louis Mo) Brownsville Brunswick Perry J O Brunswick Perry J O Buffalo Rogers Francis Bunceton Pitcher Adams & Cathron saw mill Burdett Warner & Son Butler Pigg D H Calhoun	Rice John d
Matlack Geo & Co d (St Louis Mo)Brownsville	Lang Geo dHermann
Moore Jas & Co d	Hubbard E L dHolden
Perry IO d	Mille T M d
Wilson Peter saw mill	
Rogers Francis dBunceton	Cutter Morgan & Co saw mill
Pitcher Adams & Cathron saw millBurdett	Evans & Brierton saw mills
Warner & Son dButler	Waterman Goodsell & Bro d
Pigg D H dCalhoun	Wiles S S d Houstonia
James & Sappington saw mill	Stratton M saw mill
Ross Goo d	Brookings Tag R d Huntsville
Matis John H dCallao	Brookings Jas R d
Maupin & Elliott dCamden Point	Gates & Anderson dIndependence
Steiger Bros dCameron	Shortridge John (agent)
Burns & Mabon p mCanton	May Edwinm and d Ironton
Ellis Wm d	Lilly & Smith dJanesport
Hampton John P d	Bush & Becker dJefferson City
Morris Ismes (egent) d Cone Girerdeen	Using Agnes & Son d
Crouch W 8 d Carrolton	Wallendorf M saw mill
McDonald W d	Reding John S d
Beebe HF dCarthage	Shortridge John (agent) May Edwinm and d Ironton Lilly & Smith d Janesport Bush & Becker d Jefferson City Eaton Henry d Heinrich Agnes & Son d Wallendorf M saw mill Reding John S d Joplin Anderson James d Kansas City Chester Melville & Co d Crawford & Crouse saw mill
Fisk & Haines saw mill	Chester Melville & Co d
McCarthy & Gilbert d	Crawford & Crouse saw mill
Moore Bros d	Deardorf L d
Street & Pro d Contex Town	Jupock & Co d (Hannibal Mo)
Robinson James & Co. saw mill Chamois	Loveing G W n m
Frank J S dChillicothe	Ludwig Thos J n m
Herne, Harriman & Waples d	Merrill J W d
Williams R B & Co d	Temple Jas dKidder
Tooley & Jacobs d	Chester Melville & Co d Crawford & Crouse saw mill Deardorf L d Dubock & Co d (Hannibal Mo) Leach & Hall d Lovejoy G W p m Ludwig Thos J p m Merrill J W d Temple Jas d Kidder Hammond C G d Kirksville
Hughes B DClarkville	Sharp LR d
Rogers Francis d. Bunceton Pitcher Adams & Cathron saw mill. Bunceton Pitcher Adams & Cathron saw mill. Bunceton Pitcher Adams & Cathron saw mill. Bunceton Pitg D H d. Galhoun James & Saspington saw mill. California Nischwitz C F d. Canden Point Steiger Bros d. Camen Durns & Mabon p m. Canton Ellis Wm d. Canton Ellis Wm d. Canton Ellis Wm d. Canton Counch W B d. Cape Girardeau Crouch W B d. Carolton McDonald W d. Carolton McDonald W d. Carolton McDonald W d. Carolton McCarthy & Gilbert d. Carthage Fisk & Haines saw mill. McCarthy & Gilbert d. Conter Town Robinson James & Co saw mill. Chamois Frank J S d. Chillicothe Herne, Harriman & Waples d. Williams R B & Co d. Clarence Hughes B D. Clarkwille Carpenter W H d. Clinton McAllister & Bowling d. Columbia Lobofner & Tegeler d. Concordia Morton J W saw mill. Corsicania Henderson Wm saw mill. Corsicania Henderson Wm saw mill. Dalton De Lassus Placide d. De Lassus Vineyard Jas d. Angle, Clarke & Co saw mill. Des Arc Burroughs R & Co d. De Soto Gillett & Gowen saw mill. Elston Station Lang & Bro saw mill. Gayose Birch T E, jr d. Glasgow Lewis C H d. Harrold John S saw mill. Glasgow Elewis C H d. Gayose Hope Geo D d. Greenfield	Temple Jas d. Ridder Hammond C G d Kirksville Sharp L R d
Lehofner & Tegeler d Concordia	Oningharry & Former d La Grange
Morton J W saw mill	Irving & Co dLa Plate
Henderson Wm saw millCuba	Wilson J S d (agent)Lathrop
Lacy Chas C d	Montgomery & Brock dLawson
Bradley W J saw mill	Vauston & Loop saw millLaynesville
Vincent Tea d	Lingsviller John dLebanon
Angle Clarke & Co. saw mill Des Arc	Adams Issae W& Co. d Loo's Summit
Burroughs R & Co d	Collins & Anderson d
Gillett & Gowen saw mill De Witt	Ballard Patrick dLexington
Bowen John R, jr saw millEdina	Hale Robert & Bro d
Sheppard Elijah saw millEgypt Mills	Marshall Ben d
Tandy, Stearns & Dorsay, saw millEllenorah	Waples A C dLiberty
Long & Dro sow mill Elston Station	De Forest & Co saw mill Licking
Donglass & Bro n m Fredericktown	Carson Goo I. A Louisiana
Kennedy & Thompson p m	Drevfus Hill & Co d
Farmer & Jones d (Pleasaet Hill Mo) Freeman	Eau Claire Lumber Co m and d (Eau
Stanchfield L S saw mill	Claire Wis)
Lester Eugene W saw mill	Edison Nichols & Co (Clarksville)
Towis C.H. d	Freeman & Co m and d
Harrold John S saw mill Glaze City	Farrar & Rourk d Macon City
Simmons H D	Graham F M & Co saw mill
Hope Geo D d Greenfield	Linu & Farrar saw mill
Hope Geo D dGreenwood	Whitener & Son saw mill
Hines M O d	Wilkinson W J Jr saw mill
Lewis C H d. Glaze City Harrold John S aw mill Gower Simmons H D Gower Hope Geo D d. Greenfield Hope Geo D d. Greenwood Hines M O d. Hamilton Reddie Geo d. Hannibal Conton J Hannibal	Coleman & Stagner d
Conlon J	Martinghar
Cruikshanks John Jr d	Tanscott A W d
Oruik-hanks John Jr d	Anderson & Bro d
Dorman Uriah	Waterman J C & Co d (Barnard)
Dubach D & Co	Goodale L N d
Hannibal Union Works and down at	Marks Abe d
Hannibal Union Works sash doors etc Hearne Herriman & Co	Contemporth & Co. d. Marion
Hibbert John V sush doors etc.	Meyer John d (St Louis)
Hixon G C & Co	Wright Josiah d
Hixon G C & Co	Guthreys & Haynie d Miami
Claire Wis)	Claire wis). Edison Nichols & Co (Clarksville). Freeman & Co m and d Soward & Dyer p m. Farrar & Bourk d. Macon City Graham F M & Co saw mill. Marquand Linu & Farrar sawmill. Whitener & Son saw mill. Whitener & Son saw mill. Coleman & Stagner d. Marshall Page C G. d. Martinsburg Tapscott A W d. Martinsburg Tapscott A W d. Maryville Waterman J C & Co d (Barnard). Goodale L N d. Meadville Waterman J C & Co d . Meadville Waterman J C & Co d . Meaville Waterman J C & Co d . Meadville Goodale L N d. Meadville Waterman J C & Co d . Meadville Goodare & Co saw mill . Meadville Goodare & Co saw mill . Meadville Miami Hill M C saw mill . Miami

Stanley & Stickler d	
Stanley & Stickler d	Schuelle & Querl, n. Main st dSt. Louis
Firth Wm d	Phillibert & Johanning, planing mill, 1502 to 1518 Market st
Hassett Bros d	Theo. Bloess, Carondelet Ave. cor. Barton
Petering E H d	d
Porter W W & J B d	August Leisse, 609 Chouteau Ave. bet. 6th and 7th sts d. Boeckeler A & Co m and d. Boeckenkamp & Surkamp, cor. 9th and Monroe sts. d.
Mathew John L d	and 7th sts d
Davis W A & B saw mill	Boeckeler A & Co m and d
Kerr Wm d	Boeckenkamp & Surkamp, cor. 9th and
Morgan P A saw millMorgan's Mills	Monroe sts. d
Bacon F M d	
Barber & Herms saw millNeosho	and d
Neosho Planing Mill Co	Clear Water Lumber Co m and d
Robinson James & Co sash, doors etc	Fleitz & Ganahl, 1320 Jackson st. d
Cloland I W d Novada City	Methudy & Meyer, commission, 22 s.
Southwick & Goodell d New Cambria	Main st. Berthold & Jennings, commission, 28 s. Main et
Fitzhugh J S d New Florence	Main st
Robinson James & Co sash, doors etc Carey saw mill. Nevada City Cleland J W d Nevada City Southwick & Goodall d New Cambria Fitzhugh J S d New Florence Forrest R W Norborne Johns T R d North Springfield Kennedy & Druhe d Raithel J G d. Rarty & Ros Omaha	Main st. Beldsmeier H W & Co Eastern av d
Johns T R d North Springfield	Williams & Alford, commission, 100 s.
Kennedy & Druhe d	Main st
Raithel J G d	Clement H S commission
Berry & BrosOmaha	Cole & Glass p m Cronkhite A H (Wisconsin River Lumber
Petty J J saw mill	Cronkhite A H (Wisconsin River Lumber
Potter B T dOregon	
Carter M S saw mill Osage City	Davitt John W d
Holliston & Co. sommill	Drune W G
Maxwell I R d and saw mill Ocean P O	Davitt John W d
Hitt R M d Ochorn	Hocker & Hengelsberg d
Armick J F d Otterville	Holmes J A & Co. d
Potter & Wharton saw mill	Holmes J A & Co d
Haycox P S saw millOverton	Luthy Jas d
Williams H dPacific	McIlvain Robt d
Kiser Wm B saw millPalmyra	Matlack Geo d
Ross & Kennedy saw millParadise	Meyer John, Cass av d
Berry & Bros.	Mincke G F d
Wilson Wesley d	Luthy Jus d. McIlvain Robt d. Matlack Geo d. Meyer John, Cass av d. Mincke G F d. Mississippi Planing Mill Co (Jas Patrick Pros't)
Harmor & Pall d Pardistan	Pres't)
William I C saw mill Parrwilla	Nucle W & Pro mand d
Crist Bros d Phelps City	Oleott Duross & Co. n.m.
Bower G M d	Pres't). Naber Chas d. Nuelle W & Bro mand d. Olcott Duross & Co p m. Rippey Geo W & Co d. Sterling John p m. Wright J C & Co p m. Yaeger H C South Main st commission. Hodges & Sons saw mill. Salem.
Tribble Andrew dand saw mill Platte City	Sterling John pm
Hockaday J N & Son dPlattsburg	Wright J C & Co p m
Stearns d Beegle & Meyers d	Yaeger H C South Main st commission
Beegle & Meyers dPleasant Hill	Hodges & Sons saw millSalem
Farmer & Jones d	Wofford CP & Co saw mill
Hope Arthur d	Yaeger H C South Main & Commission Hodges & Sons saw mill Thornton J saw mill Saline City Dulaney Thos G Salisbury Wayland Ely d Young Geo saw mill Waterman & Nast d Savannah Bleoss W & Co d Sedalia Garse C H d
Boyce B F & Son sawmin Point Fleasant	Wardand Fly d
Barkley David saw mill Potosi Smith Chas D saw mill Smith W D & Bro saw mill Walton & Co d	Vonng Geo. saw mill
Smith W D & Bro saw mill	Waterman & Nast d Savannah
Walton & Co d	Bleoss W & Co d
Cadle Henry dPrinceton	Gauss C H d
Leeper John P dRichmond	Ritter Richard d
Baugher E H saw millRichwoods	White & Meyer d
Watton & Co 0 Princeton Cadle Henry 1 Richmond Leeper John P d Richmond Baugher E H saw mill Richwoods Traub Geo & Co d Rockport Cruesbour Chas Rolla	Ritter Richard d. White & Meyer d. Warren W d. Ralph Jas d. Ralph Jas d. Shelbyville McBride Jr C saw mill. Silver Lake Hendricks & Cos saw mill. South Point Ganahl Fidel d. South St Louis
Cruesbour Chas dRolla	Ralph Jas d
Russell Giles saw mill	McBride Jr C saw millSliver Lake
Holran & Machens d	Hendricks & Co saw millSouth Point
Thurmall W C d	Labainger Moogen & Co. m and d
DeClue John n m St Joseph	Knott & See n m Springfield
Cruesbour Chas d Rolla	McDonald O G dStewartsville
Hamilton Bros saw mill	Shapter Wm saw mill
Hoagland Geo T & Son d	Marbes Chas dTipton
Lyon Geo d	Hannestein W saw millTuscumbia
Pinger Chas & Co d	Mabrey ThosTwin Springs
Pinger Chas & Co d Smith & Swope saw mill. Waterman & Barnard d	Willard P G & Son dUtica
Waterman & Barnard d	Savage E dVandalia Station
Phillip Gruner, Jr., s. e. cor. of 9th st. and Cast Ave d	Mundy W W dVerona.
Woerheide & Luchrmann, planing mill \$13	Moore & Kinsell d
Cass st.	Schowengendt E & Son d Warrenton
Cass st. Schulenburg & Boeckeler m and d Lesley, Garnett & Co., planing mill, 124	Trentman, Uarup & Co p. m
Lesley, Garnett & Co., planing mlll, 124	Fletcher W d
Olive st	Miller Jacob d Wellsville
Olive st	Allen Jas P dWeston
and d	Ganah Fidel d. South St Louis Lobsinger Meegan & Co m and d. Knott & See p m . Springfield McDonaid O G d. Stewartsville Shapter Wm saw mill . Taos Marbes Chas d . Tipton Hannestein W saw mill . Tuscumbia Mabrey Thos . Twin Springs Willard P G & Son d . Utica Savage E d . Vandalia Station Mundy W W d . Verona Lowe W d . Warrensburg Moore & Kinsell d . Warrensburg Moore & Kinsell d . Warrenton Trentman, Uarup & Co p m . Washington Trentman, Uarup & Co p m . Washington Willer Jacob d . Wellsville Allen Jas P d . Weston Wells John B saw mill Morse C C d . Windsor Graves & Nichols d . Jamesport
Knapp, Stout & Co., Bremen Ave m and d	Morse C C d
Patrick Bros. Lumber Co., Bremen Ave d.	Graves & Nichols dJamesport

NEBRASKA.

******	VARNILLE.
Dean, Dennis & Co d	Godfrey & Co d. Lincoln Grant P J d. Jones W G & Co d. Monell & Lashley d. Noyes E d. Louisvill. Moore & Sunderland d. Lowel Hill W E d. Nebraska City Monroe & Dillan d. Nebraska City Monroe & Dillan d. Nebraska City Hoagland Geo T & Son d (St Joe). Omahi Young & Co (Clinton Ia) m and d. Moyer A sash, doors etc. Turner Chas d. Foster W M m and d. Papillion Tisdale F A Jr & Co d. Pawnee City Gardiner & Robinson d. Pebble Creek P Gardiner & Robinson d. Pebble Creek P Gardiner & Robinson d. Pebble Creek P Gardiner & Co d. Schuyle Barrett W B d. Seward Sorter Isaac B & Son d. Seward Sorter Isaac B & Son d. Sutton Monell, Lashley & Weed d. Tecumsel Sanders Wm d. Unadilla Crowell C C & Z A d. West Poln
74.	
KAN	ISAS.

A CONTRACTOR OF THE PARTY OF TH
Kuney J & Co dAbilene Rice & Floyd d
Rice & Floyd d
Gregory & Herrick dAlma
Channell S.P. d. Arkansas City
Channell S P d
Cill and C W & Co com mill
Gillespie G W & Co saw mill
Hixon G C & Co a (Hannibalmo)
Jones & Co d
Lukens David d
Clark H S dBaxter Springs
8mith J H d
Patter E M dBelle Plains
Campbell Geo & Alex Beloit
Holbrook T saw millBlue Rapids
Stakes G B d
Mynant J B d
Leslie M F dBrookville
Voorhis A L dBunker Hill
Miner S E & Co dBurlingame
Cross David & Sons saw mill Burlington
Smith I. C. d. Coder Point
Climpingon D & Son d Controlle
Smith L C d
Eaton Z A & Co saw mill
Eaton Z A & Co saw mill
Manlove L d
Brown & Co p m Chetopa
Officer R W d
Tyler M S d
Smith G W (agent for Johnson & BridgesClyde
McKircher & Mitchell dColody A'len Bros dColumbus
Allen Bros d
Campbell D W d Concordia
Edwards W C d
Colton Bros d
McLoon E C d
Allen F M & Co d Edgarton Fauble J M & Co d Edwardsville
Fauble J M & Co d Edwardsville
Kuny Southwick & Co. d. Ellsworth
Armor Thos saw mill Emporis
Kuny Southwick & Co dEllsworth Armor Thos saw millEmporia Pierce C F & Co (al o at Wichita & Florence).
Lothholz Chas dEudora
Clogston & Allen saw millEureka
Raymond M R d
Raymond M B d. Pierce Chas F & Co d (Emporia). Florence Dorman N d. Fontana
Downer N d
Where H P & C. 3
Whare H E & Co d. Fort Scott Brady A d. Frankfort
Brady A dFrankfort
Filkins D J
Thorne W H dFredonia
McCoy W dGardner
McCoy W d
Flickenger Robt saw mill

Crowell C C & Z A dWest Point
sas.
Patterson J C d
Dudgeon F A & Co d Grasshonner Falls
Brinkman G L. d. Great Rand
Brinkman G L d. Great Bend Bunting John d. Hanover
Treat M J R d
Bause J P d
Span IN d
Spear IN d
Dickey Jason d
Williams & Woener d
Amos John d
Stevens & Co d. Humboldt Edwards W C d
Edwards W C dHutchinson
Bradford McCoy & Co m and d (Quin-
cy I ⁽¹⁾
Culver & Rowe dIola
Hunt ES dIrving
Rogers L F saw mill Island
Rogers L F saw mill Island Boller H A d Junction City
Stickney A C d
Green M T d La Cygne
Bruce C & Co dLawrence
Grovenor & Reddington
Lewis & Allen d
Lewis & Roman
Lewis & Benson d
Simpson Bros d
Angell & FosterLeavenworth City Chambers Bros m and d (Musca-
tine Ia)
Colly & Beckford d
Ingersoll Jerome d
Munson & Burrows p m Plummer & North saw mill
Plummer & North saw mill
Spartley & Taylor saw mill
Bower & Bradshaw dLenexa Green & Byrne dLouisburg
Green & Byrne d Louisburg
Goodnow F d
Haight & Touts d
Tyler M S d
Richardson & Clark
Thomas R A & Co dMuscotah
Brown S A & Co d Neosha Falls
Covert Parsons & Cozine d
Muse Spivey & Co dNewton
Dorman & Gorsline dOlathe
Hordin F P & Co. d
Hardin E F & Co d
McCarthey J N d
McNabb J A d
Hunsicker Isaac K d Osage City Gittings Louis d Osage Mission
Gittings Louis dOsage Mission
Mills D C & Bro dOswego
McDonald Kemper d
Richmond Bro d

Daihl W saw mill. Ozaukie Thayer J E& Son d Paola West A S & Son. Wallis J A d. Parkervile Calkins & Fisher d (Chicago III) Parsons Mixell W d. Peabody Vinneman B & Co d Peace Campbell G W d. Peabody Chenault Bros d. Peace Blaker & Bro d Pleasanton Horr Henry d. Pemona Ricksecker G V d. Pomona Ricksecker G V d. Waterman & Hobbs d and sash doors etc. Russell Yoxall Sons & Co d Marbough & Block d. Sabetha Turner & Sons d. St Marys Eberhart & Sudendorf d. Scherk Goodnow Frank d Congdon W d Sedgwick City Burnett A H d Seneca Meacham J C d. Seneca	Pendleton B H d. Solomon City S L Choate d. Spring Hill Bradford McCoy & Co d. Spring Hill Bradford McCoy & Co mand d (Quincy Ili). Thayer Reed Û d. Topeka Tipton Bros d. Wilder & Eck d. Pope Clement d. Troy Boetcher A F & Co. Wamego Prunty Jas L d. Washington Baker A M (agent for Hixon & Co Hannibal Mo). Waterville Jehnson & Bridges Waterville Jehnson & Bridges Waterville Jehnson & Bridges All Moster de Grot de Wilder & Wichita McClure W P & Co d. Millis & Stearn d. Pierce C F d (Emporia Ka). Shellaberger Oliver d. Wyandotte Wolcott A G d. Wyandotte Wolcott A G d. Wyandotte	
NEW Y	YORK.	
Duuham & Co J W d Albany Moir James d Albany Pierce & Co m and d Buffalo Boller & Recktenwalt p m and sash etc Pooley Reinhardt & Co p m and d Brooklyn Pease Edward C p m sash etc Brooklyn Pease Edward C p m sash etc	Lee Box & Lumber Co d aud p m 11 ave and 21 st	
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Alpena Lumber Co C Chambers & Co C C C C C C C C C C C C C C C C C C	Barr Henry d 458 W 6th st	
Benedict Franz d	Weyerhaeuser & Denkmann m and d	
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At least one member of the editorial corps will be traveling almost constantly through the Pineries of Wisconsin, Minnesota and Michigan, seeking information, statistics and opinions from reliable sources. Illustrations of prominent lumbermen and scenes throughout the different pineries will form a prominent and attractive feature of The Wisconsin Lumberman, thus rendering it a pleasant and welcome visitor to the family of every Manufacturer, Logger, Landowner or Raftsman in the Northwest.

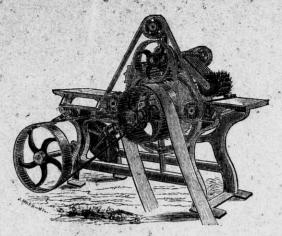
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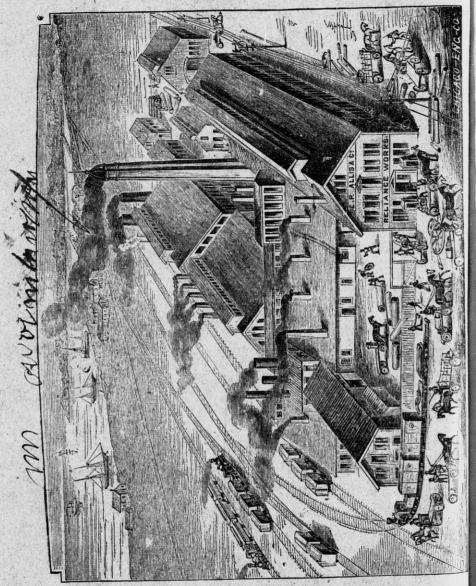
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