

"The Consumption of Paper is the Measure of a People's Culture."

VOLUME XXVI.-NO. 45.

#### NEW YORK, NOVEMBER 6, 1897.

WHOLE NUMBER 1227.

# GRACEFULLY.

#### A PAPER STOCK MAN TH A NEW SCHEME.

William L. Jackey Coolly Tells His Creditors He Can't Pay Their Bills, Forms a New Company and Re-sumes Business at the 2 wistand.

William L. Jackey, a paper stock man, with an office at 114 Nassau street, Room 315, recently decided that his obligations were a little more than he was able to meet, and concluded that he had better retire from the paper stock business. He forthwith sat down at his desk, and calmly wrote to his creditors as follows:

GENTLEMEN-Owing to a general depres-sion in business and other circumstances over which I have no control, I am compelled to notify you that I will be unable to pay your bill. I have no actual assets, or other funds from which I can realize. With regret I hereby notify you that I retire from the business heretofore conducted by me at 114 Nassau street, New York. Sincerely yours,

WILLIAM L. JACKEY.

Mr. Jackey had his principal business dealings with the Italian paper stock packers of the city. When they received the above communication they were inclined to feel vexed about it. Several called upon Mr. Jackey personally and demanded an explanation. Jackey had none to offer. "The letter speaks for itself," he said. as indeed it did.

Among others who were favored with a letter similar to the one quoted above are the Wooster Paper Stock Company, 78 Marion street; Giovanni Rizzo, 17 City Hall place; Rocco Marrino, 215 William street; James Nickles, 423 West Broadway; Hughes Brothers, North Second street. Brooklyn, and Donato Petraglia, 119 Worth street.

These poor unfortunates, some of whom are "interested" in Mr. Jackey to the extent of \$200 which is a big sum to them, were what to do. They had a dim sus-tey had been "done," but they ath to believe it. "Jackey always

money; much higher than anythey said, and it seemed hard that such a "good thing" had really some by the board. when shortly after the informal sus-

m L. Jackey celebrated his "retirement from business" by starting The National Paper Stock Company, William L. Jackey Manager," the patient creditors suddenly awoke to a realization that such a move was not strictly to their way of thinking, and they entered vigorous protests. They waited upon Mr. Jackey at his office in Room 315, No. 114 Nassau, the same room where they had been selling him stock for nearly two years, as plain William L. Jackey, and at a price better than other paper stock men could afwhom Jackey owes only \$20, has since been heard to remark that he will never go again to Jackey for his money, but if the latter should ever come to him, on some

his place until he has given up the \$20 or its equivalent. A representative of this paper called on William L. Jackey yesterday at his office, No. 114 Nassau street.

"Have you gone out of business, Mr. Jackey?" asked the reporter. "Yes," he replied, "I've gone out of business for myself, that's all. I am now man-

ager for this new company." "Wasn't that a rather peremptory way to wind up your affairs-the way you

chose?" "I think not. I had no money, and so, of course, I couldn't pay anything."

"Some of your creditors seem to think you should have made an assignment, or called a meeting or something."

"There was nothing to assign." "Then why didn't you ask to have a receiver appointed, or at least a committee to look over your books?"

"Well, I tell you. I was running on combination paper, and I couldn't kill the goose that lay the golden egg. I hope to be in a position some day to pay something of what I owe, however, and in the meantime if any of my creditors are not satisfied they've got the courts to appeal to."

#### WANTS MORE PAPER.

#### To Get It, Peter G. Thompson Obtains Control of a Mill.

An important deal was consummated the past week whereby the well-known president of the Champion Coated Paper Company, Peter G. Thompson, secured control of the Eagle Paper Company's plant at Franklin, Ohio, for a reported consideration of \$24,000. This mill is one of the finest in Franklin, and originally cost \$125,-000. The mill contains two large paper machines and a full equipment, and has been idle since the collapse of the company a couple of years since The Eagle mill will be put in operation

at once, and Franklin interests have received a boom in consequence.

Calamity croakers may deem it queer talk to say that the purchase was made by reason of exceptional conditions. The Champion Coated Paper Company, of Hamilton, has for a long time been unable to secure sufficient new stock to supply the demand, as the paper mills which have been its usual source of supply are so crowded that they have been unable to fill orders as promptly as desired. The company's new acquisition s a valuable one from an industrial point of view, while Mr. Thompson has been warmly congratulated upon his rare business tact in securing the plant at a nominal sum. Receiver C. B. Anderson sold the

pretext he will not be permitted to leave IT'S MADE IN CHICAGO WHILE STOCK JOBBERS WAIT.

> How the Associated Press Wires Are Being Used to Boom "A Good Thing "-The "Yellow Kid" Is Doing Bravely, Thank You!

> Early this week the Associated Press wires flashed a message over the country with a Chicago date attached, which read as follows:

The formation of a strawboard trust controlling every plant in the country has just been effected, and will begin operations at once

Those not posted on strawboard matters rubbed their eyes and read the message over once again. "Great Heavens!" they said, "has the 'Yellow Kid' given up the ghost so soon?" But their fears were groundless. They should not have been at all concerned, and doubtless they would not have been could they have known that in anticipation of some such bullish message ing sent broadcast the "insiders" on the 1 placed orders to buy "Strawand that the stock jobbing clique gone into the manufacture of bull on a larger scale, that was all.

Franci ng the above dispatch there came ouncing the formation of a new Arderson, Ind. The object of all

trusz af talk became apparent in the feeble hich the stock of the American Board Company indulged in immediately after its publication. Since then, however, it has sagged off, and is again sadly in need of some more of the Chicago elixir.

As for the "Yellow Kid" itself, meaning the Manufacturers' Straw Board Association, it is doing about as well as could be expected under the circumstances. There is some talk of sending Secretary C. W. Bell abroad as European agent, and no new price list has been issued in two weeks.

#### Fires.

The Echo printing plant, Lake Charles, La., was burned out October 27. Loss, \$3,000; insured for \$2,000.

The Herald Printing Company, Warren, Mass., lost \$1,000 by fire October 31. Insurance, \$600.

F. T. Abey, stationer, Revelstoke, B. C., has been damaged by fire. Estimated loss. \$1,500; insurance, \$600.

The Marlboro Times Publishing Company, Marlboro, Mass., was burned out November 4. Loss, \$2,000 ; partially insured.

The Defiance Paper Mills, owned and operated by the American Straw Board ny, Defiance, Ohio, were entirely destroyed by fire October 24. The plant is situated in the south part of the city, and some distance from fire protection, and consequently the fire had gained considerable headway before the department could get any water on the flames. The Defiance mills were originally owned by speak. a local stock company, and were sold out to the trust, so-called, some three years ago. The fire is believed to have been of incendiary origin, and caused a loss of about \$20,000. The insurance was \$14,500. Once more the Budget office at Troy, N. ., has been visited by fire, but this time the results were not so disastrous as on the night of July 16 last. The proprietors of the Budget had just placed an electric light dynamo in the press room of the building to furnish electric lights, and the plant was started on Wednesday for the first time. All went well for several hours, when it was discovered that the chimney into which the

exceedingly hot. An examination was made, but at first no fire could be discovered, but n a short time the cellar began to fill with smoke and then a little blaze could be seen near the chimney. Willing hands poured pails of water upon the burning wood work, but it did not quench the flames until \$1,000 damage was done.

The old mill at New Hampton, N. Y., which for years has been ocupied by the Diamond Mills Paper Company as a barn, was burned to the ground, together with its contents, consisting of hay, grain, wagons, harnesses, etc., October 28. Seven horses which were stationed in the basement of the building were saved, together with one double harness. The fire is thought to have been of incendiary origin, and being situated some distance below the paper mill it was easily kept from those buildings, but it required much hard work on the part of the bucket brigade to keep the fire from several smaller buildings nearby. The burned building was 40x60 feet, and was one of the oldest structures in that section, having been occupied for milling purposes many years ago. The loss is estimated at over \$7,000, and this is believed to be covered by insurance. The property was insured for \$4.575.

#### Personals.

Homer Smith, of the Smith & White Paper Company, Holyoke, Mass., has been spending a vacation in New York and vicinity.

Fred. L. Outterson, superintendent of the Mittineaque Paper Company, Mittineaque, Mass., and a son of Charles A. Outterson, of the Whiting Paper Company, Holyoke, Mass., was married October 27, in the Second Congregational Church, Holyoke, Mass., to Miss May E. Allyn. The couple were the recipients of many wedding presents.

Olin Scott, Bennington, Vt., has been in Newfoundland for some time, superintending the construction of the wood pulp mill of the Newfoundland Wood Pulp Company. He expects to return within ten days.

Several well-known gentlemen have consented to speak at the Y. M. C. A., Holyoke, Mass., at different times this winter upon the "Theory and Practice of Paper Making," including the introduction of machinery, with general outline of the different kinds of paper manufactured. Their names and their topics are as follows : Hon. William Whiting, president of the Whiting Paper Company, The Manufacture of Ledgers and Bonds;" William Mc-Corkindale, superintendent of the Parsons Paper Company, No. 2 mill, "The Manufacture of Fine Writing Paper;" John Stalker, superintendent of the Beebe & Holbrook Company, "The Manufacture of Book and Engine-Sized Writing Papers:" William Reardon, superintendent of the Albion Paper Company, "The Manufacture of Manilla Paper;" Moses Newton, president and treasurer of the Chemical Paper Company, "The Machinery of Paper Making." Sumner H. Whitten, with the Holyoke Machine Company, will also

### THE WERNER COMPANY

THIS LARGE HOUSE IN THE HANDS OF A RECEIVER.

#### The Application Made by Officers of the Company, Which Carries On an Immense Printing and Publishing Business-The Assets and Liabilities.

Paul E. Werner, president of the Werner Company, an Illinois concern doing a book publishing, lithographing and printing business at Akron, Ohio, and George T. Rowland, superintendent of the Akron plant, last Saturday filed a petition in the Common Pleas Court, asking that a receiver be appointed for the company. The petition stated that Mr. Werner owned 12.oco shares out of 35,000, for which the company is incorporated, and that he is sole surety on \$500,000 of paper, \$50,000 of which is overdue. The company is indebted to Mr. Rowland to the extent of \$50,000.

The company was incorporated in December, 1892, after the consolidation with the Peale Company, of Chicago, with a capital stock of \$3,500,000. There is now outstanding \$800,000 in notes, while the assets are \$4,000,000. Until recently there had been no difficulty in securing money, but in the next three months \$750,000 of the paper will mature, and the company cannot get the money to meet it.

The business of the company amounts to \$100,000 a month, of which \$25,000 is profits. If a receiver be not appointed, the petition went on to state, attachments and garnishments would follow, which would ruin \$500,000 in contracts now on hand, in fulfilling which \$200,000 had already been spent of the assets. The petition states that real estate amounts to \$2,000,000, accounts receivable \$1,000,000, value of goods manufactured on hand \$75,000.

Judge J. A. Kohler heard the motion and granted it. appointing Richard P. Marvin, receiver, under a bond of \$25,000. President Werner is quoted as saying:

"Our assets under the most unfavorable circumstances are very much larger than our liabilities, and not a single creditor can possibly lose a dollar."

Mr. Levinson, of Newman, Northrup & Levinson, of Chicago, attorneys for the Werner Company, said: "The trouble is due to the lack of ready cash, caused by the hard times of the past four years. The suspension will only be temporary. It is simply a shortage of ready money that brought the receivership about, and to prevent any creditors from getting preferences over others. There is a surplus of fully \$1,000,000. The Werner Company is an Illinois corporation, being chartered December 29, 1892. Substantially all its assets and property are in Akron, Ohio. This fact subjects the company to attachments as non-residents of the State of Ohio. Some of the creditors in the East were urging their claims, and if attachments had been filed would have brought about a sacrifice of the property. Mr. Werner is one of the best-known business men in Ohio, and wouldn't think of paying creditors less than 100 cents on the dollar. "The receivership is a move first to protect the creditors and, second, the stockholders, who have a large equity in the company. From a small concern it has grown to the largest printing house west of New York.

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ford to pay, and demanded that they be paid the money which he owed them. "But they are so thick," Mr. Jackey explained to a reporter for this paper yesterday. "I tried to explain the matter to them, but they wouldn't listen."

Several of the more determined creditors threatened suit. "That, gentlemen," Mr. Jackey informed them, " you are at liberty to do, but I warn you that such a step would be folly. It won't cost me a cent to defend such an action, as I have a lawyer right here who will attend to that little formality for me without cost," pointing to Cyrus C. Palmer, a lawyer, who shares the offices with him, and who, he has since assured THE JOURNAL man, is the financial

Failures.

plant.

A. M. Baker, assignce of the Clinton Lithographing Company, Chicago, Ill., announces that the time for receiving bids for the estate of the company has been extended to November 16, at 9 A. M.

J. & F. B. Garrett have foreclosed a mortgage of \$6,323.81 on the printing office of Charles W. Douglass, Syracuse, N. Y. The C. W. Davis Paper Company, Pawtucket, R. I., has assigned.

The Lewiston Sun Publishing Company, Lewiston, Me., has made an assignment.

backer of the new "National Paper Stock The Keuffel & Esser Company, of New Company." And so the poor creditors York city, has been incorporated to sell have been fain to let bad enough alone, for artists' materials. Capital stock, \$5,000. Dithey recognized the truth of what Mr. rectors, William J. D. Keuffel and Herman Jackey told them, and realized their utter Esser, of Hoboken, N. J.; Artemas B. helplessness in the matter. One man, to Smith and Charles Willich, of Brooklyn.

smoke stack from the engine is placed was ment in "non-conducting compounds."

#### Sale of Patents.

N. P. Wardwell, receiver of the Globe Paper and Fibre Company, will sell at

public auction at the offices of Purcell, Walker & Burns, in Watertown, N. Y., November 20, United States letters patent Nos. 517,850, 517,851, 517,852, issued to Charles Ehrlicher, Watertown, for "logging for boilers and pipe,"- "fireproof sheathing" and "coverings for pipes and boilers" respectively, and also No. 286,922. issued to Joshua M. Hammill for improve-

"The Werner School Book Company is entirely separate from this receivership, and is not affected by the failure. It is incorporated separately, and has a capitali-The Werner Comzation of \$1,000,000. pany has a capital of \$3,500,000, and has a magnificent plant. It has branch offices all over the world. Six months ago the Chicago branch was changed to Akron, though the company still has offices here.

#### PAPER TRADE JOURNAL. THE





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Formerly they occupied the entire fourth floor of the Rand-McNally Building.

"The company does a general litho graphing, publishing and printing business. It has enormous contracts on hand at present with the United States Government. By a careful handling of the affairs of the company all these can be fulfilled at a great profit.

"The Werner Company was formed December 29, 1892, by the consolidation of the Werner Company, of Akron; R. S. Peale & Co., of New York, and Belford, Clarke & Co., of Chicago. The plant of the firm was transferred to the Ohio town, with agencies in all the principal cities of the world.

"D. H. Kochersperger was at one time vice-president of the company, but is not connected with it at present in any official capacity." -

#### Cannot be Sued Here.

In the United States Circuit Court Judge Lacombe a few days ago handed down an opinion which substantially settles the law regarding the service of process upon non-resident corporations. The question involved was whether a foreign corporation, doing no business and having no property within this judicial district, can be forced to defend a suit in New York State.

The cases in which this question came up were those of Wm. S. Brewer against the Times Printing Company, of Chattanooga, and the Union Associated Press against the Times Printing Company. These actions were for libels alleged to have been published by the defendant, a corporation organized under the laws of the State of Tennessee, in a newspaper published by it in the city of Chattanooga, Tenn.

The defendant has no property here, and has no office for the transaction of business here. The plaintiffs sought to obtain a jurisdiction by the service of a summons upon an advertising agency, on the theory that it was a managing agent.

Permission to have this service set aside was denied, but a motion was made for a re-argument, on the ground that service on an agent of a corporation is only permissible when the corporation has property in this State, or where the cause of action arose in this State.

Judge Lacombe granted the motion to set aside the service of the summons, holding that a foreign corporation doing no business within this State and having no property here cannot be sued in this judicial district for a cause of action which did not arise here.

The Philadelphia Commercial Museum has established in connection with its work a laboratory of tests and technology. the main object of which will be the examination and analysis of raw and manufactured products. Louis J. Mátos has been appointed chief. The museum has issued a pamphlet in regard to this new department, giving full information in regard to it, accompanied by a schedule of the fees charged.

#### ELECTROLYTIC BLEACHING.

BY C. E. DAHLHEIM.

TRANSLATED ESPECIALLY FOR THE PAPER TRADE JOURNAL.]

Before discussing the chances of electrolytic bleaching in the paper industry, 1 shall picture to the reader an electrolytic bleaching plant, as built by Siemens & Halske, Vienna, Austria, according to Dr. Kellner's patent.

The denaturized common salt is spread on a cotton cloth stretched in a cement tub or vat over a wooden grate, and suspended at the four sides in rings. Enough water is admitted into this vat to cover the salt. The water gradually absorbs the salt, producing a uniformly strong filtered solution. which is drawn off into another, more spacious, cement vat, which serves as a reser-The cloth, with the impurities revoir. tained on it, is then removed and washed out, to be used again in the same way as a support for a new quantity of salt. The amount of salt used must be in a certain proportion to the volume of water available for its dissolution, and is usually measured,

so that for every 100 parts of water there are 10 parts of salt, both amounts being determined by weight. It is also admissible, however, to prepare at first a completely saturated solution, and to dilute the same afterwards with pure water to the desired degree of concentration.

The electrolyzers, which are being used for the decomposition of the salt, consist of a prismatic chest built of glazed earthen or china tiles, in which a number of elec trodes corresponding to the available electric power are arranged one behind the other. The electrodes consist of glass plates, covered with thin platinum-iridium wire. The electric current is admitted through the end plates, which are composed of platinum-iridium web. The hard rubber, which, up to a short time ago, had been used for the electrolyzers, failed to prove sufficiently durable in practical use; the substitution of earthen tiles, however, has rendered the apparatus in all of its parts as capable of resistance as modern science is able to make it.

The lower part of the prismatic earthen vessel has the form of a funnel, and contains the inlet opening for the salt solution to be decomposed; the outlet connection is situated near the upper edge. The vessel contains in a vertical-parallel position from six to ten of the above-mentioned glass plates covered with platinum-iridium wire, and represents as a whole a so-called electrolyzer. Siemens & Halske build these electrolyzers of two different sizes; the smaller one for a tension of 55 volts, and the larger for 110 volts. The electric current required by both types is from 100 to 140 amperes, and depends on the concen-

tration of the salt solution to be used. According to the capacity required, from two to ten electrolyzers are arranged over a rectangular chest built of cement. The latter holds from 3 to 6 cubic metres, and is filled, either by means of a pump or natural flow, with filtered salt solution from the reservoir already mentioned. A pump of continuous action forces the salt solution through the inlet extension into the elec-

trolyzers. The solution rises between the electrodes-in our case glass plates with platinum-iridium wire-and returns into the cement chest through the outlet extension If now the electric current is turned on to the electrodes the decomposition of the salt begins, while the hydrogen which is de veloped escapes and the liquid between the electrodes effervesces. The decomposition is accompanied by a development of heat, and as heat would cause the decomposition of the hypochlorite of soda developed, constant cooling must be provided for by means of a coil arranged in the cement chest. This cooling coil is best connected directly with the water-supply system of the mill, so as to dispense with the use of a special pump. The water which has passed through the coil may be used for washing stuff or any other purpose.

The salt solution in the cement chest repeats its circuit through the electrolyzers and back into the chest until the liquid tests I per cent. of active chlorine. The test as to the percentage of chlorine may be made either with arsenious acid or hyposulphite of soda, the first-mentioned method being the simpler of the two.

When the desired percentage has been reached the current is cut off, and the bleaching liquid is emptied into the storage tank, whereupon the decomposing vessel under the electrolyzers is filled with new salt solution and the electric current again brought into action.

This description shows that the plant for the production of electrolytic bleaching liquid is quite simple. The entire plant, including dynamo, can be accommodated within a space of from 30 to 50 square meters.

The apparatus used by Siemens & Halske for dissolving and filtering the salt is crude and not adapted for operations on a large scale. The dissolution and filtration through the cloth is very slow, owing to the large amount of dirt eliminated from the salt and the total absence of circulation, and the frequent removal and washing of the large cloth causes too much trouble. The following proposed arrangement may probably prove more practical:

A chest of brick and cement, 3 meters long, I meter wide and I meter deep, inside measurements, is by means of a partition of 2-inch planks divided lengthwise into two unequal parts, so as to leave one division 60 centimeters and the other 40 centimeters wide. The partition, however, does not extend to the bottom, but leaves a free space of 5 centimeters beneath. The large compartment, which serves for the reception of the salt, is covered 10 centimeters above the bottom with filtering stones, while the other compartment has 50 centimeters below the upper edge a woolen filtering cloth, which is stretched on a frame and divides the compartment parallel to the bottom. On the long outer side of this compartment there are, at a distance of 40 centimeters from the top edge, three leaden outlet pipes at equal distances from each other. Above the larger compartment there are parallel to its length three shower pipes. The bottom of the cement chest is provided with a valve for cleaning purposes. The apparatus works as follows:

The division of the chest which has the filtering stones on the bottom is furnished parto or rag half-stuff.

with salt; it holds, according to the state of aggregation of the salt, from 1,000 to 1,500 kilograms. Water is then admitted through the shower pipes; the salt sinks together and begins to melt. The solution passes through the filtering stones and, rising in the other compartment, filters through the cloth and flows off through the lead pipes 10 centimeters higher up. The slower the cloth permits the liquid to pass, the higher will be the level of the liquid in the larger compartment, and the higher pressure thus produced in turn increases the permeability of the cloth. The coarser impurities are retained on the filtering stones; small heavy particles settle on the bottom of the chest while the light floating impurities are retained by the cloth. After all of the salt has been dissolved the flow of water from the shower pipes is continued until the

liquid in the chest is no longer salty; the bottom valve is then opened and the water allowed to escape while the chest is being washed out with a hose and nozzle, the jet of water also being turned onto the upper side of the filtering cloth.

The salt solution which flows from the dissolving vessel through the lead pipes collects in a basin situated at a lower level. and is in the latter diluted either with pure water or the salt water from the stuff chests until a 10 per cent. solution is obtained. which is transferred into a larger reservoir, situated preferably on the ground floor.

The solubility of salt is such that how water absorbs only a hardly perceptible larger quantity of it than cold water. The following table shows the parts of salt dissolved in 100 parts of water at different degrees of temperature. There are dissolved at: Parts. Degrees C.

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#### Adirondack Forest Preserve.

President Benton Turner, of the Freydenburgh Falls Paper Company, and president of the Treadwell Mills Pulp Company, of Plattsburg, N. Y., has been beaten by the State of New York in his attempts to secure lands in the Adirondack forest preserve.

Attorney-General Hancock, of New York, has just received notice of a decision by the United States Supreme Court that virtually settles the right of the State to seize lands within the forest preserve of the Adirondacks upon which there are arrearages in taxes, and to compel persons who have cut timbers from the lands, after the arrearages began, to pay the State for such timber cut. Benton Turner, a large Adirondack land owner and lumber merchant, appealed to the United States Court from a decision of seizure of his lands by the State, on the ground that chapter 488 of the laws of New York for 1885 is a contravention of the first section of the fourteenth amendment of the constitution of the United States, in that it deprives / rsons of property without due process of law. The court decides that the law gives ample opportunity to owners to pay their arrearages in taxes after notice is given, and that the State has a right to take the land at tax sale.

Seven thousand five hundred acres of land were involved in the case, and by the decision the State will also acquire final title and possession to thousands of acres, the ownership of which depended upon this suit. In addition to the gain of 7,500 acres the State will get a considerable sum as the price of timber cut from the land after the State bought the title at the tax sale. It was alleged in the original case that while Turner was being prosecuted he obtained some kind of a transfer deed from one John B. Riley, a former secretary of the Civil Service Commission, and later a Federal official. The Attorney-General says the settlement of the case is a great victory for those who are striving to protect the forest.

#### New Corporations.

The Nassau Printing Company, of New York, has been incorporated. Capital, \$15,000. Directors, Edward Greenebaum, Ferdinand Greenbaum, T. W. Timpson, Max Klein and Fred Knowles.

W. H. Gannett, publisher, Augusta, Me., has been incorporated. Capital stock, \$150,-000. The officers are: President, Sadie E. Gannett, and treasurer, W. H. Gannett.

The Virginia Newspaper Company, Norfolk, Va., has been incorporated. Capital tock, \$25,000.

Mrs. Keturah Miles has sued the strawoard company at Carthage, Ind., for \$2,oo damages, and an injunction to restrain hem from dumping the refuse from their actory into the reservoir built to reeive it. The company formerly dumped nto the river, but Fish Commissioner Sweeney got after them. Now Mrs. applicable with slight deviations also to all Miles wants to enjoin them from using the reservoir, because it raises such a



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#### THE PAPER TRADE JOURNAL.



In the last issue of THE JOURNAL there appeared, by a trick of the types, under the heading of "Personals," this statement: "The grand jury of Cumberland, Md., has the Eureka Paper Company, of Fulton, N. Y." As is self-evident, this is an error. tion promptly and satisfactorily, and pro-The grand jury does not possess the Eure- tecting its creditors, rather than scrambling ka Paper Company, and there is no reason along and using up its resources in a usewhy the latter should be possessed by the less way, its entanglements continually former. In attempting to make a correction, the printer misplaced the linotype be hoped that the affairs of the company slug, and so, instead of righting a wrong, profit of both itself and those who have made two wrongs.

turers to add to their equipment, much to to-day was a large mill then. During the the delight of the machine-building fra-

THE Board of General Appraisers has just made its annual report, in which it is stated that since the board was organized on August 1, 1890, 204,499 protests have been placed before it. Of this number it has decided 155,393, leaving 49,106 undisposed of, 40,000 of which are on the "suspended files," action being delayed on them at the request of the importers, pending court decisions in cases involving the same questions. This production of paper has outstripped the conshows the great amount of work which has been constantly before the board, but it is a noticeable fact that that work is growing lighter, the number of protests filed being considerably less than formerly. For instance, in the first sixty days after the passage of the act of August 28, 1894, 2,896 protests were filed, while in the same period ollowing the passage of the present act only 739 protests were filed, while the number of those during the past year-14,544-is the smallest in any year of the board's existence. These facts would seem to show a condition of affairs much more pleasant to importers than those existing heretofore. While considered as a whole the work of the board has been satisfactory, it is hoped that the recent changes made as to its method of conducting business will make it of more value and service to the business

ness is illustrated by a case which came under our observation this week. A young man, who started in the paper and paper stock business only a comparatively short time ago, has informed his creditors that he has no assets wherewith to satisfy them, adding thereto a formal notification that he has retired from business. At a later date he appears as the manager of a newly organized company in the same line of business. Just why stress is placed on the fact that he has retired from business we are at a loss to understand. Possibly the creditors are expected to console themselves with the fact that while there is no money or other assets with which to pay them, their claims will not be increased, for the reason that the debtor has indeed retired from business under his own name. Wiping out claims by retiring from business seems to be an entirely new

This week a receiver was appointed for a large Western printing and publishing house, and the movement has of course attracted considerable attention in the trade, as the concern is a large buyer of cudgel the contractor. paper. It is stated that the course indicated was taken owing to a lack of ready cash, and because it was deemed the best way to protect the interests of both creditors and stockholders. It is stated that there are ample assets to pay all claims in full, and that the house has work enough on hand to tax its full capacity for six months. It would seem that the right course had been taken, and it is refreshing to see a concern acknowledging its posi-

last five or ten years particularly the advance of the trade has been very marked, and on the presumption that the next five

years will see only equal progress, a man who should drop out of trade circles would find at the end of that time that he had much to learn in order to catch up. The progress made in paper making has been fully as great as that made in any line, and considerably more than that made in many, although all manufacturing interests have been speeding along at a rapid gait. The sumption, and one has only to compare the growth of the former with that of population to get a rough and possibly extreme idea of the whole case. A very interesting question is as to what the outcome of the next decade is to be in the paper manufacturing trade. By way of answer one can get all sorts of guesses, many of which are somewhat startling.

#### Watermarks.

#### BY DANDY.

So far as the paper trade was concerned Akron was a mighty big place on the map this week, and those who had accounts there-and some of those accounts are big -had a goose-flesh sensation at first. However, that has passed, and all accounts agree that everybody will be paid eventually. I certainly hope they will, for the sake of everybody concerned.

The sulphite man has his troubles just the same as anyone else. He has not only patent suits to look after, but he has difficulties with his neighbors. For instance, here is one man who had a dispute with one of his neighbors over the question of flooding his land. The dispute waxed rather warm, and finally the sulphite maker was staggered by a letter which he received from the man at the other end of the case. The letter is as follows:

"i Dont want you to pass no Water on to me neather wone way or the other Dont want you to pass your Water or ether Brook i Dont Want my Drownded out and What Wood i have defined hay every year and i expect cut more and to clear it up and if you Doo pass your Water you will pay Damage and big to.

Does the gentle reader wonder that the sulphite man immediately prepared for the worst that this man, who was so modest that he used a small "i," could do?

There is a fine row on in Philadelphia over the paper and other supplies which have been furnished to the public schools. The dissatisfied have not only been complaining as to the quality of the paper, but also as to the price. They have been submitting samples to various houses in the trade, and getting quotations which they have been using as clubs with which to

The contractor says he did not select the quality of the paper, that it was asked for by a committee of the board of education, and that therefore the committee should be rounded up.

A Wisconsin paper tells of seven cars filled with paper, which passed through Janesville a few days ago. It says that the paper was going to California, and that the freight was \$350 a car. That's a pretty stiff rate.

A well-known bookseller, says an exand received the following reply: "I never big hat in front, but it was hard work for In 1874 he entered the employ of the Whitme, I can tell you.

trouble. First of all, the election didn't go Manufacturing Company. He resigned his his way. Then to add to his disgruntlement he wandered into his office the day after the "ball was over." and carelessly banged one of his plate-glass doors against a projecting piece of furniture, and smashed it to smithereens. The glazier who viewed the wreck said it would cost the price of several tons of coal to repair the damage. The paper stock man says the election has cost him several pains.

#### Changes, Removals and New Firms.

I. B. Manning has opened a stationery store at Wolfsboro, N. H.

A. J. Kellogg has sold the Express, Durand, Mich., to the Express Publishing Company

H. T. Rain, publisher, McDade, Tex., has sold out.

William Peck, publisher, Vergennes, Vt., has sold out to D. C. Peck.

The Progress Publishing Company, Charlottesville, Va., has sold out.

A. M. Todd, publisher, Clinton, Ont., has sold out.

The Arbuthnot Brothers Company, printer, Toronto, Ont., is offering to compromise.

The B. A. Mead Company, publisher, Augusta, Me., has sold out.

F. T. Drebert, publisher, Chatfield, Minn., has been succeeded by Drebert & Wood-

cock. Paul S. Ware, publisher, Thief River Falls, Minn., has been succeeded by H.

Mussey. Trabue Van Culin, stationer, Denver, Col., has sold out to the Bancroft Book and

Stationery Company. W. T. Roach has succeeded to the business of the Seymour Democrat, Seymour, Ind.

H. N. Gaines, publisher, Abilene, Kan. has been succeeded by Grant Gaines.

A. D. McCroskey, stationer, Stewartsville, Mo., has sold out to George A. Gregory.

Elifritz & Shoemaker, printers, Springld, Ohio, have been succeeded by John W. Shoemaker.

R. B. Quinn, publisher, Hardesty, Okla. been succeeded by George L. Drum-

Nicholas V. Cantasano & Brother, dealin paper stock, New York, have refrom 43 Duane street to 1901/2 and 191 South street.

#### **OBITUARY.**

#### WILLIS H. HADLEY.

Willis H. Hadley, secretary and treasurer of the Love-Hadley Publishing Company, St. Louis, Mo., died suddenly October 26 at his home, 3891 Demar Boulevard, in the city named. He was thirty-two years of A few years ago he married Edith age. Her death as a bride was particular-Behr. ly sad and touching.

Mr. Hadley was marked by consumption for several years. He traveled all over the country in search of health, which he was unable to find. For a year he lived in New Mexico, and returned to St. Louis to pass the summer.

It was his intention, had he lived, to leave in a few days for San Antonio, Texas, near which city he had purchased a ranch, where he proposed to pass the remainder of his life.

#### ROSWELL M. FAIRFIELD.

Roswell M. Fairfield, of Holyoke, died at the city hospital, in that city, Wednesday morning, of heart failure. He had been ill change, sent a bill to a customer recently, at his rooms at the Windsor Hotel for a and received the following reply: "I never ordered the book; if I did you did not send remove him to the hospital where he could I did you did not send remove him to the hospital where he could I did you did not send I did you did you did you did not send I did you did yo week or more, and it was thought best to

ing Paper Company as a bookkeeper. He was promoted to paymaster, and then to The diminutive paper stock man is in office manager and agent of the Collins position in 1887 and went to Europe for the benefit of his health. Returning a year later he bought the plant of the Salmon Falls Paper Company, at Russell. On assuming control, Mr. Fairfield demolished the old mill and built a new one. He also put in a new dam, and changed the name to the Fairfield Paper Company. The mill was stocked with new machinery, including two large Fourdrinier machines, and employment was given to 250 hands. Mr. Fairfield was successful with the mill-until year ago, when the financial pressure became too great, and the company succumbed. The mill passed into new hands, and is now known as the Woronoco Paper Company. The reverses sustained by Mr. Fairfield finally brought about his death. nervous prostration being followed by heart failure. Mr. Fairfield had a wide circle of friends. He was whole souled, genial and staunch in his friendships. He possessed large business ability, and was a hard worker. The funeral arrangements have not been made.

SENECA SANFORD.

Seneca Sanford, of the firm of Estes & Lauriat, Boston, Mass., died at his home on Waban Hill October 29, after a long ill-

Mr. Sanford was well known in business and social circles in Boston, having been identified with the firm of Estes & Lauriat since its formation twenty-five years ago, and having been a partner for the last ten years. He was also very prominent in Masonic circles, a member of St. Omer Commandery, K. T., the Mystic Shrine, etc.

He left a widow and two children, who have the sincere sympathy of a wide circle of friends and acquaintances.

William A. Elwell for twenty years in the employ of S. D. Warren & Co., Cumberland Mills, Me., dropped dead of apoplexy in the paper mills October 26. He was a veteran of the war, and leaves a widow and one son.

Word was recently received of the death of Henry B. Tucker, son of Henry O'R. Tucker, proprietor of the Press, Troy, N. Y., in the Klondike region last September. He was twenty-four years of age, a graduate of Yale College, and had worked on the Press as compositor, reporter and finally as associate editor.

Jacob Bunn, who was largely instrumental in establishing the Inter Ocean, Chicago, Ill., having contributed to the original stock, is dead, at the age of 83 years. He was at one time associated with the late Charles A. Dana on the Chicago Republican, which was the predecessor of the Inter-Ocean. He had been engaged in the grocery and banking business, and at the time of his death was president of the Illinois Watch Company.

Henry George, twice nominated in mayor of New York, died suddenly trom a stroke of apoplexy at his campaign quarters in the Union Square Hotel. October 29. The funeral services were held Oc tober 31, from the Grand Central Palace and it is said the assemblage of critizens there has not been exceeded since the death of Grant. Mr. George was born in Philadelphia, Pa., September 2, 1839. He was the son of R. S. H. George, a small publisher, and when 19 years old went to California, where he became successively a printer, reporter, editor and founder of several newspapers, and subsequently in England a newspaper correspondent for several American journals. He was the author of "Progress and Poverty," "Social Prob-

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ager,

#### sold it merchandise.

Now that the elections are over people can again settle down to business, and in ONE of the points upon which the daily most cases there is business to be done. papers in commenting upon the twenty-fifth anniversary number of THE JOURNAL The number of men in employment has inseem to place stress is the vast increase creased very materially, and manufacturing which has been made in the last twenty-five plants which have been idle have started up. In the paper line reports from mills indiyears in the paper mills in the United States. A comparison of figures seems to cate a fair volume of business, and in many startle them and call forth many exprescases product is not being shipped rapidly sions of surprise, and so it ought. While enough to keep consumers from making the number of mills has not been increased complaints for non-delivery. There is a general widening of the demand, and in al- to a very large extent the production of most every respect trade has improved to each of them has been enlarged enormously, an extent which has caused some manufac- and what would be considered a small mill may have been 'play' for the girl with the

Very likely this man bought his 1y after his removal to that institution. won't." books by bulk to fill a given space, and referred to will be quickly adjusted, to the didn't mind the titles. His answer is almost as mixed as the doctor's, who said, when asked if a certain disease was typhoid fever, that it hadn't been yet, and it wasn't now, but still it might be.

> It is claimed by leading Argentine shippers that rope and twine of American make are meeting with very great success in that market. Good; if this continues we'll soon have the whole South American Republic "on a string."

> "Did you see the play last night?" I asked a Holyoke man in a Nassau street paper broker's office. I knew he had intended going

"Well," he answered, sententiously, "it

growing greater at every step. It is to it; if I got it, I paid for it; if I didn't, I receive better treatment, but he died short- which have been published by the author under the style of Henry George & Co. He Mr. Fairfield was a native of Holyoke, is survived by his widow, who was a Miss and was born on his father's farm, in the Fox, and three children, the name of one of suburbs, in 1847. He was educated in the whom, Henry, the elder son, was substitupublic schools and began his business ca- ted for his father's on the mayoralty ticket. reer in the office of the old Hampden Mill. The burial was in Greenwood Cemetery.

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#### Correspondence.

#### MIAMI VALLEY.

[FROM OUR REGULAR CORRESPONDENT.]

DAYTON, Ohio, November 4, 1897.

The battle of the ballots is over and peace once more reigns. Fortunately, this fall's election was not as harmful to business interests as was anticipated. It is the national contest that makes the average manufacturer "shake in his boots." Trade disturbances were lacking this year.

Business continues to show marked improvement, and a true era of prosperity seems to have dawned.

Not a few valley manufacturers paid their respects to President McKinley at Cincinnati on Saturday, and heard his magnificent tribute to labor and industry. He predicted renewed activity in industrial circles, and pledged his best efforts in bringing about a condition so much to be desired.

The motion of the Harding Paper Company for the appointment of an expert accountant to examine the accounts of the Louis Snider's Sons Paper Company was overruled by the court this week. This application was made in the matter of the assignment of the Louis Snider's Sons Company to F. S. Heath, trustee. There were other names to the petition.

a large Dayton concern, which has been supplying the paper and machinery trade for several years, was closed this week when representatives of an Eastern syndicate purchased the American Stoker Company for \$220,000. About two years ago the Stoddard Manufacturing Company introduced a coal stoker for use under steam boilers, which effected an economical saving in coal, and greatly mitigated the smoke nuisance. At that time the article gave promise of revolutionizing this feature of factory machinery, and it has fulfilled its promise. The stoker was brought to the notice of East- of money to conduct our business, much of ern capitalists, who sent their representa-Royal C. Peabody and Frank H. Field, of Brooklyn, to this city to investigate. They reported favorably, and made the purchase for the amount above stated-\$150,000 in cash and \$70,000 in stock of the new company, which will be organized in the East.

The Stoddard Manufacturing Company will continue to manufacture the stokers under contract with the new company for the Western trade. The company was originally organized with a capital of \$50,000, with John W. Stoddard as president, C. G. Stoddard vice-president and treasurer, and H. W. Fullerton general manager.

Accidents-Frank Wilson, employed at the Gardner Paper Mills, at Middletown, had his right hand and arm badly burned by a blaze from the furnace; N. O. Shelby suffered the loss of two fingers at the Niles Tool Works; Harry Gausman, employed at the Wardlow-Thomas Paper Mills, was caught in the belt and sustained a crushed thumb, which necessitated amputation at the second joint; James Emmins fell from a stepladder at the Amanda Mill and received ceived satisfy me that the receivership will a broken right arm: Charles Parent, of the be only temporary, and the company's af-Tytus-Gardner mill, had his right arm and fairs will be quickly adjusted." hand crushed in a machine, requiring the amputation of his index finger.

The machinery was placed in position at the Harding Paper Company's mill at Excello, this week. The improvements on this mill and at the already completed plant at tained, as follows: Accounts receivable, \$1,-Franklin will involve an expenditure, it is 100,000; material and goods, \$750,000; real said, of \$75,000. The old machinery has estate, \$2,000,000. been removed from Excello to Franklin, and it will almost double the capacity of the latter mill. The Excello plant is a dream of perfection, mechanically, and is one of the most complete in this neighborhood, and Dayton concerns contributed lib- [FROM OUR REGULAR CORRESPONDENT.] makers themselves. It denies that the applierally to the machinery equipment.

lish and manufacture books and to do a general printing and lithographing busi-American ness, in 1802, with a capital stock of \$3,-

500,000. As the situation is understood here the application for a receiver was made by P. E. Werner and George S. Rowland, superintendent of the Akron (Ohio) plant. The petitioners allege that the action is brought for the benefit of themselves and creditors, who are so generally scattered that it was impossible to get them to join in the petition. Mr. Werner, of Akron, is the owner of 12,000 shares, of the par value of \$1,200,-000. He claims to be the sole surety on notes aggregating \$500,000, and that of this amount \$50,000 is now overdue.

The notes now outstanding amount to \$800,000, though the assets are estimated to be over \$4,000,000. It is said that until recently the company encountered no difficulty in meeting all obligations, and that arrangements were made only a short time since for a loan of \$1,000,000. This money was to be secured from Eastern and Western banks in installments, and it was figured that the profits from the manufacture and sale of product would net \$150,000 each month, which would be paid upon the outstanding indebtedness of \$800,000. There is now due \$50,000, and the rest will become due as follows: In November, \$200,000; in December, \$200,000; in January, \$200,000; and in February, \$100,000. The company will not be able to meet the obligations, and was consequently deemed prudent, in or-A big commercial transaction involving der to protect all creditors, to place the property in the hands of a receiver. Monthly receipts are accredited as being over \$100,000, with profits exceeding \$25,000. The company has contracts for \$500,000 worth of work, and more than \$200,000 has

been expended in fulfilling the same. President Werner has given out the fol-, lowing statement: "We have accepted during the last nine months an enormous amount of orders, some of our contracts being the largest ever undertaken in our per ton. All this was destroyed, a circumline of business in this or any other country. We required an extraordinary amount which had to be borrowed.

"Recently a number of creditors have been pressing us for payments, and demands were made for money faster than we were able to procure it. Under these circumstances, and taking into consideration the large magnitude of our affairs, we feared that some creditors might endeavor to secure advantage over others, and desiring to meet all alike and to protect the property for all interested parties, we decided to take this precautionary measure.

"Our assets under the most unfavorable circumstances are very much larger than our liabilities, and not a single creditor can possibly lose a single dollar. Our factory in Akron, and, in fact, our entire business, will be continued without interruption.

"We have sufficient orders on hand to operate our plant to its utmost capacity for six months. We employ about 1,200 people in Akron, and the daily output of our factory is from three to four carloads of books and other products in different departments. "The bulk of our indebtedness is held in

the East. Advices which I have already re-

The president's announcement has given satisfaction to Dayton creditors, and doubtless it will be similarly received in other sections

The assets are, as nearly as can be ascer-

Liabilities, on notes, \$800,000. M. V. **GREAT BRITAIN.** 

something after the style of the Scientific

The drop in wood pulp prices, or rather the want of firmness in the market, is thus explained by Wood Pulp, a paper which is in a position to know what it is talking about. Scandinavian sellers, says this journal, are now beginning to realize that the American competition is no bogey scare. There is certainly a tendency to accept somewhat lower prices than have been prevailing. At the same time it cannot be overlooked that freights are hardening, and therefore buyers cannot look for any considerable fall. Business in sulphite has remained unchanged since last month, but American shipments are certainly falling off, owing no doubt to the improvement in trade there. American exchanges still speak of a big export business, but we think there little foundation for their reports. Until American manufacturers realize the fact that to sell here pulp must be properly packed, their competition will not amount to much. Some shipments of Canadian sulphite are being made, and several contracts have been effected for this pulp.

The old portion of the Otley Paper Mills has been seriously damaged by fire. These Yorkshire works, owned by Peter Garnett & Sons, are among the oldest in the country. Five engines were soon on hand after the alarm was given, and the flames were restricted to the older blocks of buildings, and happily the modern portion-which is kept running night and day-remains perfectly intact, so that there will be no very large number of hands thrown out of work as a consequence. The Otley Paper Mill has been in existence for a century or more. The portion of the premises where the outbreak occurred is known as the Old Mill, a square, two-story block, which is close to the river side, adjoining the damstones. It contained a quantity of loose waste paper, etc., and some sixty tons of sulphite pulp, the latter valued at between \$50 and \$55 stance which indicates how fiercely the flames from the loose material and woodwork raged, inasmuch as the sulphite pulp not of an inflammable nature, being closely packed in bales of about 4 cwt. each It so happened that none of the principals were at home. W. H. T. Garnett and Percy Garnett-who have the practical management of the concern-were both sepnding Wednesday night at Harrogate, where their iather (Jeremiah Garnett) resides, and it was not until nearly 3 o'clock in the morning that they were acquainted with the unfortunate occurrence. They at once rode off on their bicycles for Otley. At the fire there was a large concourse of spectators, and throughout the day the scene was visited by hundreds of people.

Alexander Cowan & Sons, of Penicuik owe, or do not owe, the North British Railway Company a nice little bill for freight. They say they don't, and to prove it they have refused to settle up ever since January, 1893. So now that the respectable sum of \$39,500 is in dispute the matter has got into the Scottish courts. The dispute is concerning a charge of 5s. per ton which the railway company exacts for the conveyance of esparto grass from the harbors of Leith and Granton to the sidings at Penicuik. The paper makers submit that the charge is excessive, and that an undue preference is being shown to other traders. They further object to the increase in incidental charges, and they claim a considerable rebate on the collected and delivered rates at Balkeith and Penicuik, and also on the station to station rates; and they conclude by stating that since January, 1893, they have withheld payment of their account from the company. The railway com-pany, in its answers, denies the allegation of undue preference, and points out that the rate was formerly 5s. 4d., and was reduced to 5s. on the representation of the paper

Earlier in the month a special memorial service was held in Caldercruix Parish Church on the occasion of the unveiling of a handsome tablet to the memory of the late Robert Craig, of Caldercruix & Moffatt Paper Works.

The first annual dinner of the British Wood Pulp Association will be held at the Hotel Cecil next week. The president, Edward Partington, will be in the chair if his engagements permit.

Bentley & Jackson, of Bury, paper-makers' engineers, have been affected by the engineers' strike. They engaged some nonunionist pattern makers, whereupon in the old sweet way the union pattern makers sent in their notice.

The old firm of Waterlow & Sons has been registered as a limited company, with a nominal capital of \$6,750,000. This firm prints either the whole or the greater part of the railway tickets used in England. There was a fire at the Inverkeithing Pa> per Mills, belonging to Caldwell & Co., last week. This was distinctly traced to the electric light, and points out a danger. The globe of an electric lamp in the machine room burst, and sparks fell upon some loose paper, which instantly sprang into a blaze. Before the night staff at the works could get the fire under control, which they managed to do with their own appliances, the flames spread to the finishing room. Most of the damage was done by water,

and it is estimated that \$1,200 will cover it. Ide & Christie, in their last report, note that the esparto market during the past four weeks has been dull, with brief revivals of inquiry, chiefly for Spanish esparto, for winter and spring shipment, the prices of which have been firmly quoted at an advance. In other descriptions, only a very limited demand has been experienced, not withstanding the readiness evinced by sellers to make contracts and to modify prices. Imports for September have been heavy, particularly of Tunisian shipments, and the record for the three-quarters of this year has been larger than in any similar period since 1891. The comparative figures for twelve months also show a material increase in the receipts, but it must be noted that a considerable portion of the imports from Tunis last month was temporarily stored at docks, and did not pass at once into consumers' hands. Otherwise the arrivals were fully required for contract engagements, and, indeed, in more than one large mill stocks had run inconveniently low, and replenishment was anxiously awaited. Steamers available for charter have been scarce, and for moderate-sized boats high rates had to be paid. It is probable that this condition of the freight market will be reflected in diminished receipts during the current month. ALFA.

#### FOX RIVER VALLEY.

#### [FROM OUR REGULAR CORRESPONDENT.]

APPLETON, Wis., November 2, 1807.

A tour of the mills reveals the fact that so far as the amount of business being done is concerned everything is very satisfactory. The Thilmany Pulp and Paper Mills, of Kaukauna, report that they shipped out more paper during the month of October than during any other single month since the mill was built. The Western Paper Bag Company also reports that it shipped more paper during October than during any other single month since the mill has been under the present management. Orders are very brisk, almost all the mills have had to run Sundays during the past month, a full complement of help is employed, and if prices would only take an upward turn the paper manufacturer's cup of happiness would be full.

An item of news that your correspondent has been nursing for two or three weeks until the proper time should arrive for givout is that the proprietors of the of the Plover Paper Company, on the Wisconsin River, are on the point of making some important improvements, not the least of which will be the addition of another large paper machine, making two instead of one, as at present. This machine will be employed in making the regular line of fine book and flat papers for which the Plover is already well known. George A. Whiting, of Menasha, is the moving spirit in this concern. Your correspondent is informed that the Fox River Paper Company, of Appleton, will commence next month making the loftdried flat papers for which the Lincoln mill has been preparing for some little time past. There is still quite a little work to be done to get the additional apparatus in readiness. The heating and ventilation is now being attended to.

ready provided with two stacks. The calenders will have heavy 9-inch rolls. The machine for which they are intended is making the fibre paper for which the Thilmany Mill is so well known, and will permit of putting on an especially fine finish and bringing the papers up to the highest standard of excellence.

It is expected that a decision will be rendered this week by the United States Supreme Court in the Kaukauna water-power cases, which will make it known whether or not the Kaukauna Water Power Company will be able to use water power from its canal on the south side of the river. At least two important matters are hanging on this issue. N. H. Brokaw, of the Kaukauna Fibre Company, has decided that he will not increase the capacity of his plant, as has been announced, unless he gets the water power to run the establishment with. Then, also, the utilization of the site of the burned mill of the Badger Paper Company will depend upon the same condition. It is hoped in Kaukauna that the decision of the Supreme Court will be of such a character as to provide a ground for a compromise between the Green Bay and Mississippi Canal Company, which is now in absolute possession of the field, and the Kaukauna Water Power Company, whereby both sides of the river may be permitted to use a certain percentage of the water power.

Just at present there is quite a flurry in Kaukauna over the building of a new dam, which has just been completed across the river just below the tail race of the Thilmany mills. The dam, which is about 3 feet high, has been built by the Green Bay and Mississippi Canal Company, for the purpose of carrying out the order of the Wisconsin Supreme Court adjudging that a certain percentage of the water must be delivered down what is known as the Meade and Edwards channel of the river, to be used by two or three pulp mills located thereon. It results that the building of the dam backs the water up nearly 3 feet toward the wheels of the Thilmany mill, and the Thilmany people yesterday served notice upon the Canal Company that they should hold them responsible for damages. The Thilmany people claim that the order of the court might be complied with in such a way as to injure nobody's power, and that is the way it will have to be done. What the result will be remains to be seen.

The mill of the Kaukauna Fibre Company has been repainted a dark red color.

The Badger Paper Company, of Kaukauna, maintains its office in its regular office building, which escaped the fire. All the office work connected with the business of the Quinnesec Falls Company is transacted from Kaukauna, and this is sufficient to keep the force from idleness."

The S. A. Cook Manufacturing Company, Menasha, which was referred to last week, has been incorporated within the last few days. The capital stock is placed at \$60,-000, divided into 600 shares. The articles of incorporation are signed by S. A. Cook, M. H. Ballou, Watson Yule and H. H. Cook, who constitute the company.

It is expected that navigation on this river will close about the 15th of this month. The stage of water is especially good for this season of the year, the water being up to the crest of the Menasha dam. According to the recent order the water may be drawn 6 inches below the crest, but this leeway has not yet been needed, in spite of the fact that very little steam power, comparatively, is being used. The Government is about to commence the work of replanking the main dam at Kaukauna. Fourinch plank will be used.

Wenzel Plier, employed in one of the paper mills, was quite seriously, though not dangerously, injured last week by being caught by a belt. He suffered cuts on the head and bruises on the body.

Two new railway side tracks are being put in at the plant of the Riverside Fibre Company, in this city. of the Kaukauna Fibr N. H. Brokaw,

Col. Alexander Gordon writes his friends from Moscow that he will return to America shortly. His mission in Russia is strictly of a business character.

B. B. Thresher, of the Seybold Machine Company, has returned from New York. C. D. Mead will be at his desk shortly, after an extended sojourn at Mount Clemens, Mich., for the benefit of his health.

George E. Easton, of the Easton Printing and Manufacturing Company, and the the paper can be indurated with the cellu-Easton-Reynolds Company, who was severely injured in a wreck some time since near Dayton, is gradually improving, and ing rollers. Paper can also be engine-sized will be able to attend to business in a few or treated in the pulp with viscose. I have weeks. Mr. Easton was among the more seen samples of these papers, and the result seriously injured. Out of a list of ten or reminds me very much of pegamoided pahowever.

Dayton creditors were notified this week of the appointment of Richard P. Marvin plained the manufacture, and detailed all as receiver of the Werner Printing and the uses that had been suggested in a Can- Paper Company, Limited, it was formally Lithographing Company, which was incor- tor lecture, and I note that this is being resolved that the capital of the company be

LONDON OFFICE PAPER TRADE JOURNAL, 1 Mitre Court, Fleet Street. LONDON, England, October 23, 1807.

Cross & Bevan's discoveries relating to cellulose are attracting as much attention here as pegamoid did when it first came out. Some of the cellulose products, in fact, closely resemble pegamoid in their properties. For instance, what Mr. Cross calls viscose can be used to coat or film paper on one side only, or on both sides, or again lose by passing it through a bath of the viscose and removing the excess by squeezto say, cellulose in solution. Mr. Cross ex- Company every success.

porated under the laws of Illinois, to pub- published in Invention, a weekly paper, increased from \$312,500 to \$437,500.

cants are entitled to the rebate claimed, and submits that if they lo not accept the group rates now exacted they must pay such rates within the maximum as the railway company decide to charge, and with a view of having this settled the railway company now asks the court to fix these charges. The case is not yet concluded

At a meeting of the workmen of the Darwen Paper Mill Mr. Squire, the late manager, was presented with a marble timepiece and ornaments as a mark of the good feeling which had prevailed during the time he was with them. Joseph Squire resigned the management of the Darwen Mills to take the management of the North of Ireland Paper Mills. They wished him every success in his new undertaking. Mr. twelve injured only one fatality resulted, per, but these are only a few of the uses Squire, in thanking them for their kindthat have been sugested for viscose, that is ness, wished them and the Darwen Faper

At a special meeting of the Culter Mills

The Thilmany Paper and Pulp Mills have ordered another stack of calenders. which is expected to be delivered this week, and will be added to a machine that is al-

Company, is expected home to-night from Boston, whither he went to attend the meeting of the sulphite manufacturers. James Conley was the only other representative of this valley at the meeting.

J. Stillwell Vilas, of the Badger Paper Company, departed this morning on his an nual deer hunting expedition to the Northern woods.

C. B. Pride, the Appleton architect, is also absent at present on a deer hunt.

C. E. Escott, of Kimberly, has returned from his vacation trip to the East.

Superintendent J. H. McLaughlin, of the Marinette and Menominee Paper Company, was in this valley last week, visiting friends.

A. M. Meineke, of Boston, is calling on the trade here.

Herman Welk, formerly with the Badger Paper Company, has removed his family to Jackson, Mich., where he has secured employment in a paper mill.

FOX RIVER.

#### HOLYOKE.

#### [FROM OUR REGULAR CORRESPONDENT.]

HOLYOKE, Mass., November 4, 1897. The changes in the condition of trade of

late have not been very important, one way or the other. Most of the mills are doing a fair business, but any of the manufacturers will admit that they could accommodate considerably more business without any effort. What is true of one mill will apply to all, although, of course, some are better off than others.

Although the manufacturers here have felt the strain of the hard times as much and perhaps more than those in other places, I have seldom heard less murmuring than has been the case in Holyoke. All through the four years of financial strain our manufacturers have kept up a brave front, and have tried to take things as they came. Of course, there have been some exceptions to this rule, but not very many.

The mills, as a rule, are fairly well supplied with orders. At any rate, they have enough to last for a time, and the supply is likely to increase as the days go by.

There is quite a fair demand for book papers of a good grade, and the medium grades are also moving well. Fine writings are also well in hand, as regards orders, and the volume of business is quite sizable

The death of Roswell R. Fairfield, which occurred at the City Hospital this afternoon, was a great surprise to his many friends here, as it was not thought that his illness was critical. A little party of us saw Mr. Fairfield removed from the Windsor Hotel this morning about 11 o'clock, but we little thought that inside of two hours he would be dead. Mr. Fairfield had hosts of friends in this city, and his sudden death will cause general regret.

William McCarthy, John Ross and Henry Strain, the three men who were injured late last week in the elevator accident at the Whiting No. 2 mill, are all doing well. McCarthy was hurt the worst, his right arm being terribly bruised. The others both received a bad shaking up, but fortunately no bones were broken. No cause has been given for the breaking of the cable. It was put in only a few months ago, and appeared to be all right.

The friends of the Connecticut River navigation scheme are working with considerable zeal in the interest of the plan to open the river to navigation. They claim that the scheme, if pushed through, means saving to the people mainly interested of \$1,000,000 a year in freight bills. It is estimated that at least 490,000 tons of freight a year could be received, and about 200,-000 shipped. This would be a percentage of about 40 to come by water.

The Young Men's Christian Association of this city has arranged for some very interesting talks from manufacturers in the near future on the theory and practice of paper making. William Whiting will open the course with a talk on "The Manufacture of Ledgers and Bonds"; Wm. Mc-Corkindale, superintendent of the Parsons No. 2 mill, will follow on "The Manufacture of Fine Writing Paper." The next speaker will be John Stalker, superintendent of the Beebe & Holbrook Mill, and his subject will be "The Manufacture of Book and Engine-Sized Paper." William Reardon, superintendent of the Albion Mill, will tell what he knows about "The Manufacture of Book and Flat Papers." Moses Newton, of the Chemical Paper Company, will speak on "Manilla and Similar Papers," and Sumner H. Whitten, of the Holyoke Machine Company, will close the course with a talk on "The Machinery of Paper Making."

Charles Hardick, the printer who was killed in Brooklyn last week under such tragic circumstances, spent most of his youth and early manhood in this city. He he met with an accident, which terminated was employed at one time or another in rather fortunately for him and his horse. most of the local job offices, and was con-

sidered a bright young fellow. He had a very erratic temperament, and he could not content himself very long in one place. His mother resides here, and the funeral took place in this city. The Linden Paper Company's mill has

started up after a brief shut down. A. E. Hemphill, who is well known to

stock dealers who use his storehouses, was elected to the State Legislature yesterday. Mr. Hemphill has been there before, and was always a well-posted and valuable man J. E. Randall has sufficiently recovered

from the operation for appendicitis to be discharged from the hospital. H.

#### WATERTOWN.

#### [FROM OUR REGULAR CORRESPONDENT.]

WATERTOWN, N. Y., November 4, 1897. Election day brought at least some con-

solation to the paper manufacturers of Whether their candidates this vicinity. won or lost did not interfere with the joy of seeing it rain. Quite a fall of rain came down between Monday afternoon and Wednesday, and in consequence the river is full. This, of course, will only last for a few days; but these few days are being seized upon by the pulp makers, who are trying to make a harvest while the water lasts. Wood pulp is selling on the cars at the mills at three or four dollars advance over prices in August.

A fire at the house of Hon. George A Bagley, president of the Bagley & Sewall Company, started by a lace curtain being blown against a gas jet, caused quite an excitement in this city on Monday night about 9:30. It was quickly subdued, but not until some damage to carpets, furniture, etc., had been done. This is the second fire at Mr. Bagley's in a couple of years.

Edward W. Remington, treasurer of the Watertown Paper Company, is an ex-alderman now. Another paper man beat him in the general Republican slump of Tuesday. The successful candidate George B. Kemp, president of the Glen Tablet Company. The damage caused at the Glen Tablet

Company's plant last week by the explosion of the glue tank has been repaired. and all is merry again. The man and girl who were injured are fast recovering from their burns

John H. Neutze, superintendent of the Bagley & Sewall Company, returned Monday from a trip in the Western States.

At the organization meeting for incorporating the new St. Paul's Church, in this city, held last Monday evening, Hon. George A. Bagley, president of the Bagley & Sewall Company, Stewart D Lansing, secretary of the same company, and James L. Newton, treasurer of the Newton Falls Paper Company, were chosen vestrymen.

Welcome news to the trade of this section is the information that the State has over 100 men at work on the great dam on the Beaver River. Thousands of barrels of cement have been put into new ma sonry, and the job is about completed. The news is encouraging, as the fall rains must soon commence, and the trade want the big reservoir full for protection in the winter months, when the water is liable to be as low as in summer, and which is a much more serious problem, for low water in winter means a general freezing in flumes and wheel pits and tail races, which causes no end of annoyance and damage.

Louis Lansing, general manager of the Frontenac Paper Company, of Dexter, N. Y., who lives in this city, makes daily trips between his home and the mill. On Wednesday evening, returning about 7:30, Coffeen street, from Cedar to Hewitt

street, is being repaired. The centre of the icy of ordering nothing until it is wanted road has been filled with large stones, over which it is almost impossible to drive, while on the south side of the street an excavation for a sewer is being made. The only place to drive on this thoroughfare is on the north side, and the road is only wide enough for one team. A board has been placed in position at the ends of the sewer ditch to obstruct teams, but no obstruction was placed in front of the stones in the centre of the road. On the evening in question Mr. Lansing had reached a point near where the sewer commences. than he cared to drive, and he therefore per presented for inspection seems to sub reined his horse one side and started at a stantiate the statement-there were no wire good rate of speed. In a moment his marks in it. horse fell into the sewer ditch. The buggy toppled over, and Mr. Lansing fell partly under the horse. Fortunately the horse was quieted, and Mr. Lansing pulled out enson, the manager, stated that the shops without serious injury. When he arrived at home he almost required identification before the servants would let him in. The damage to horse and buggy will probably not exceed \$100, but the escape of Mr.

C. W. Lyman, secretary of the American Paper and Pulp Association, and general manager of the Herkimer Paper Company. of Herkimer, N. Y., is staying a couple of days here visiting the various members of the association in the Black River district. W. P. Herring is to build a paper mill in connection with his pulp mill, 3 miles below Carthage. The walls are already well started. The machine will be a 100inch one, and the paper will be used for boxes, which, it is reported, will also be made at this mill. This new industry will give work to a large force of men and women, and when Mr. Herring erects in these improved rag thrashers that add thirty dwelling houses in that section, as he expects to do, there will be quite a vil-F. M. lage there.

#### THE NEW ENGLAND CIRCUIT.

[FROM OUR REGULAR CORRESPONDENT.]

SPRINGFIELD, Mass., November 4, 1807. Leaving the Hub early in the week very little time has developed since my last munication for local events to manage so the news of the week from Boston must lay over until "our next."

What the two days' travel brin, and light in connection with the paper business er is very limited from a "news" photo-

Although spending a day in Holyoke, the far-famed paper city of the country, nothing of special trade interest came to notice. And ince that field is so well covered by your regular Holyoke correspondent anything that I might report from the paper manufacturing end would come only as a repetion of what he will report this week. While several paper manufacturers were seen and the situation talked over, the interviews, as the treasurer of one mill remarked, "were for general conversation, and not for publication." If the present condition of business can be maintained until the holiday season is over paper manufacturers will be fairly well satisfied, but they hope for a much better business with the early days of the coming new year, now only two months distant.

Among those furnishing the mills with upplies some improvement in orders is reported. This is the condition with the wire" makers of Holyoke.

Mr. Brown, of Brown & Sellers, stated that his looms were running full time at present, the improvement dating back a couple of months, and orders were coming to hand more encouragingly from mills in the various localities.

Mr. Smith, of C. H. Smith & Co., whose specialty is dandy rolls, is fairly busy and at times much rushed. The "rush" he says is because when a dandy is ordered one day it is wanted the next, owing to the new polfor immediate use.

Business with the Buchanan & Bolt Wire Company, as per reports of Mr. Bolt, is good, the factory running full. This company is having quite a run on its new wire among book mills, since paper made on this particular wire is free from "wire marks." Samples of super calendered paper, which was made on this wire, were shown, containing several half-tone prints, and the "Where views print up very handsomely. the absence of wire marks is desired, that result can be obtained by the use of this A team was in front of him, going slower new wire," said Mr. Bolt, and the book pa-

With the Norwood Engineering Com pany, of Florence, Mass., where I called yesterday, business is very good. Mr. Stevwere full of orders, running full every day, and with an increased force of men. In company with Mr. Stevenson I went over the plant, and some of the jobs in hand were pointed out. A full rag duster outfit for the Mead Paper Company, of Dayton, Ohio, was under construction, a thrasher for the Bryant Paper Company, of Kalamazoo, Mich., and one for the Shattuck & Babcock Company, of De Pere, Wis. These rag thrashers contain quite a number of improvements, and are designed especially to take dust and dirt out of the rags as they come from the bale before they go to the cutter. A new feature in these thrashers is an adjustable screen under the cylinder. which can be raised close to the points of the pins, thereby making it an efficient machine for opening short as well as long stock. There are other features of merit considerable to the value of the machine. Quite a number of orders for friction calenders were also receiving attention, one order for five calenders, it was stated, having been received from one mill.

The Norwood Engineering Company is doing a pretty good business also in its "Wilson" filter plants. One plant of 1,500,-000 gallons daily capacity was just recently set up for the Toronto Paper Manufacturing Company, at Cornwall, Ont., and it is said to be giving the best of results. A 2,500,000-gallon plant is now being contructed for the Canada Paper Company, which will be completed within four or five been said about the "Wilson" filter plants the Norwood Engineering Comany ontrols, the company is evidently thing them to the notice of paper manu-

visiting the Northampton Emery Wheel Company, at Leeds, Mass., attention was called to the company's new "automatic" knife grinder, a machine that should interest manufacturers who have heavy knives to grind.

Mr. Otis, treasurer of the company, in explaining the merits of this new knife grinder, said: "In designing these machines we have eliminated radical defects in other makes of machines now on the market. Our emery wheels are run at their normal speed; and the travel of the knife bar is made comparatively slow. By this means the life of the emery wheel is greatly prolonged; its cutting properties increased; and the tendency to heat the work greatly lessened. We place all the cross feed on the knife bar carriage. This enables us to bolt the emery wheel firmly to a solid base as it should be. The feed mechanism is controlled by either one or two handles, as desired. As the emery wheel is not moved there is no necessity for lengthening or shortening the main and feed belts, as in some other makes of machines, where the wheel is moved to the work. Aside from these points, our machines are built high, thus making them easy and convenient to handle, and the best of work and material is put into them. The bases are wide and heavy, insuring steadiness in running and

accuracy of work. We build these machines, either for plain or cup wheels, and for any shape or length of knife."

Parties interested are at liberty to address the company for further paticulars. Did time permit these lines could be extended, but as the mail for New York will soon close for the night these lines must also close. DELESDERNIER.

#### Japan Buys Canadian Paper.

The statement made through The Globe by Mr. George Anderson, the Dominion Trade Commissioner to Japan, that Canada might have the trade of that country, appears to be borne out to some extent by a fact that came to the knowledge of The Globe. Messrs. Taylor Brothers, of the Don Paper Mills, received an order from a Japanese importing firm of high standing at Yokohama for 110 tons of paper, the firm being prepared to put up a cash deposit of half the value of the order if Messrs. Taylor Brothers decide to fill it. This shows that paper may be added to the list of articles in which it is desirable to build up a trade with the island empire. It may be added that the envelope containing the order bore evidence of the need for enlightenment of the commercial people of Japan in regard to matters Canadian, in the fact that the address located Toronto in Ontario, U. S. A .- The Globe, Toronto, Ont.

A very handsome and voluminous edition of THE PAPER TRADE JOURNAL has just been received, and both for its beauty as a masterpiece of the printer's art and for the mass of valuable matter it contains the book deserves special mention. THE PA-PER TRADE JOURNAL is published in New York city by the Howard Lockwood Publishing Company, 143 Bleecker street, and the firm takes this method of celebrating the silver anniversary of the publication's existence. Twenty-five years ago it was established by the late Howard Lockwood, who managed it until his death, five years ago. The present souvenir number contains a host of beautiful illustrations, and among other interesting things a review of the paper trade since Dr. Rittenhouse erected the first American paper mill in Philadelphia in 1690. The Commercial List extends congratulations and thanks .-Commercial List and Price Current, Philadelphia, Pa.

The paper trade in this city, as well as elsewhere throughout this country, are just now exploiting their praise of the twentyfifth anniversary number of THE PAPER TRADE JOURNAL, which has just made its appearance. This publication is issued by the Howard Lockwood Publishing Company, of New York, and is the representative journal of the pulp and paper trade in North America. The anniversary number is a production that is typographically artistic, and cannot but be of the deepest interest to paper and pulp manufacturers from the comprehensive way it has compiled readable and authentic articles on the growth of the trade with its various arteries in this country. In addition, the book highly illustrated with portraits of 1ree nent men in the business. Niagara s singularly honored with articles b Morgan, of the Niagara Falls Paper pany, and the Hon. Arthur C. Ha of the Cliff Paper Company, and mayor o the city. Portraits are presented or boun these gentlemen, and Mr. W. E. Tuttle, the representative in this State of THE JOUR-NAL. Mr. Morgan wrote a very interesting article on Niagara Falls as a paper-making locality, while Mr. Hastings graphically described the running of paper machines by electricity. Every branch of the trade is covered by articles written by experts, which fact in itself will make this book very valuable and preserved as a book of reference for time to come .- Niagara Falls

Lansing was miraculous.





**New York Office:** 

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HARRISON, N. J.



#### THE PAPER TRADE JOURNAL.

#### Alanutacturing News.

EASTERN STATES. The Winnipiseogee Paper Company, Franklin, N. H., has built a large water tank at No. 1 pulp mill to supply water for automatic sprinklers in the mill. The company's large machine at No. 1 paper mill, which has not been in operation the past year, has been started up.

Two million feet of logs have been shingled into the lagoon above the falls, at Rumford Falls, Me. Since May the paper and sulphite mills there have converted over 14,000,000 feet of spruce into pulp and paper, and it is thought that they will use another million feet before the river freezes

The Haverhill Paper Company, Haverhill, Mass., has shut down its mill temporarily.

The Roaring Brook Paper Manufacturing Company, East Glastonbury, Conn., reports that business is improving. The mill is running full time, with plenty of orders ahead.

Twelve or fifteen men are at work about the ruins of the Peter Adams Paper Company's mill, Buckland, Conn. They are clearing up the débris and taking down the machinery. The paper machines and calenders are very heavy, and it will be a long task to remove them. The insurance on the mill has been adjusted to the satisfaction of the Pickles brothers, and this fact, in connection with the activity about the ruins, gives hope that they will rebuild in the spring. The members of the company decline to make any promises for next year, and only say they will not begin to rebuild this fall.

The pulp mill crew has finished piling logs in South Gardiner, Me. There are 63,000 logs in the pile, which is said to be the largest on the Kennebec River.

The Eaton, May & Robbins Company, Lee, Mass., will make some changes in machinery.

Work on the mill of Eaton. Dikeman & Co., Lee, Mass., is in full blast. The big fiume has been torn away, and a large force of men is preparing the timbers for the new flume and frame for the new buildings.

MIDDLE STATES.

W. C. Geer, of Troy, N. Y., has purchased the property of the Ondawa Paper Company, including mill, machinery and A delegation of paper manufacturers water power, at Middle Falls, Washington from New York, Rhode Island, Massachu-

County, N. Y., which was sold by H. W. C. Hill, as referee, for \$17,250. The property was sold under foreclosure of a mortgage of \$40,000, of which C. H. Garrison. of Troy, was trustee. The property recently went into the hands of R. H. Van Alstyne as receiver, and originally cost The trustees were represented \$130,000. by T. S. Fagan and Jeremiah Long, of Troy. Mr. Geer expects to sell the mill at

an early date. George A. Wood, assignee of Margaret P. Heyser, has sold at public sale the remaining part of the assigned estate, consisting of 127 acres and the large paper manufacturing establishment called Hollywell along the Conococheague Creek about a mile from Chambersburg, Pa. Frank Lindsey was the purchaser, and the price paid was \$7,135.

One of the paper machines in the upper nachine room of the Glens Falls (N. Y.) Paper Mill Company is being repaired with new parts, shafting, etc. A cement floor will be laid in that machine room. The Oswego Machine Works, Oswego,

N. Y., has opened a store at 329 Dearborn street, Chicago, Ill., which is in charge of J. M. Ives, and where a full line of the Brown & Carver cutters will be carried. The company has recently made sales of these cutters to Leslie & McAfee, Minneapolis, Minn.; Brooklyn (N. Y.) Daily Eagle; Armour & Co., and S. D. Childs, Chicago, Ill.: Pigott & French, Spokane. Wash., and the Maryland Lithographic Company, Baltimore, Md.

The Noble & Johnston Machine Company, Hoosic Falls, N. Y., has received an order from the Jessup & Moore Paper Company, Wilmington, Del., for one Stevens double-roll beating and mixing engine, of 1,200 pounds capacity, and from H. H. Childs, for the Childsdale Straw Board Mills, Rockford, Mich., for one Monarch Jordan engine.

#### WESTERN STATES.

Eastern parties have been in Rochester, Minn., negotiating for starting a linen paper factory there. They have leased the large building in North Rochester now in use by the Flax Fibre Company, and will at once begin to put the rooms in shape for the manufacture of this paper.

SOUTHERN STATES.

setts, Connecticut, New Jersey and other ily said he was satisfied that we were savand Preston Counties, W. Va., on the derbilt syndicate with the view of locating large plants along the streams.

CANADA

Mr. McDougall, president of the Monreal Quarry Company, representing a Montreal (Que.) syndicate, has purchased the Pont Rouge Pulp Mill from James Reid. The mill will be improved and enlarged at an expenditure of between \$40,-000 and \$50,000.

#### A High Compliment.

The following letter fully explains itself: KIMBERLY & CLARK COMPANY, NEENAH, Wis., October 1, 1897.

Hyatt Roller Bearing Company, Harrison, N. J .:

DEAR SIRS-Your inquiry regarding the success of your Hyatt roller bearings in connection with the machinery of our Telulah Mill is at hand, and I beg to say in reply that we fitted up eight rag engines, part washers and part beaters, and one 50-foot line shaft running in seven boxes, and the two stacks of calenders of our machines with your roller bearings.

We first experimented with one, as you know, and were so well satisfied with it that we installed all of our rag engines with roller bearings. Then came the line shaft, and after that, as we were changing our calenders, we placed them on top and bottom rolls of the calenders.

Everything has worked satisfactorily, and while, as we were at that time running with water, we did not materially notice the difference in the amount of power taken, yet we knew we were saving very materially by the way the engines were running; but when we came to hitch on to our steam engine a short time ago (owing to the water supply being low and others having priority in our race) we found the same engine would handle our entire mill with a great saving of power, and while in former years we have been forced to crowd the engine to its utmost, she now goes. along with the greatest ease.

In conversation with our superintendent to-day I asked him for his estimate of the saving in power over the old-fashioned bearings on the entire outfit, and he read-

Eastern States will spend the first two ing 25 per cent. As you know, this is not weeks of November in Randolph, Tucker a scientific test in any way. It is simply taken from the actual working of the magreat tract recently purchased by the Van- chinery from day to day, as it was before and after we placed the roller bearings on the engines and line shaft.

To demonstrate the saving on the first engine we tested (which converted us to the use of the roller bearings), I will say that we ran our engine with an 18-inch six-ply belt, and were forced to keep it very taut to have the engine do its work well. This, of course, produced an extra amount of friction on the bearings. After we put the roller bearings on this engine we found we could drive it readily with a 10-inch four-ply belt, running very slack and loose since the first day we put it on, and the work has never been done better than it is being done at the present time.

I have received quite a number of inquiries from different parties for information as to this engine and the work that it has done, and I am satisfied that no one will make a mistake in changing any of their machinery or shafting from the oldfashioned babbitt bearings to the roller bearings, as the saving will more than compensate for all the expense in a short time.

I am only waiting a little slack time to install a number of our mills with your bearings, and trust we shall be able to make the change early in the year, and that they will be as satisfactory as at the Telulah Mill.

Wishing you success in this new enterprise, I remain, very truly yours, (Signed) J. A. KIMBERLY, President.

#### Tariff Decision.

The decision in the following case has been handed down by the Board of United States General Appraisers:

On protest of the Graham Paper Company against the decision of the surveyor at St. Louis as to the assessment of 35 per cent. duty under paragraph 307, act of 1894. on silver paper entered February 4, 1896. The importers claimed that the merchandise was dutiable as surface-coated paper at 30 per cent. under paragraph 308. The protest was ustnined.

Mortgages, Etc.

[In the appended list R. signifies a renewal of a pre-existing mortgage; B. S., bill of sale; T. D., trust deed; T., trust mortgage; F., foreelosure; Keal, a mortgage on real estate; C., conveyance realty; Pr., printer; P., publisher; W. P., wall paper; N., news; M., music; P. D., paper dealer; P. C. playing corded P. C., playing cards.] EASTERN STATES.

Morigagor

Amount. Frederick A. Kehew (P.), Chelsea, Mass.... 1,600

SOUTHERN STATES. Herald Printing Company, Middlesboro, Ky. 400 W. F. Noble (P.), Weatherford, Tex. (B. S.) 1,000

#### WESTERN STATES

WESTERN STATES.	
pton Brothers (Prs.), San Francisco, Cal.,	
Thomas R. Upton	- 90
Ricketts (Pr.), Boulder, Col	1,35
emple Press Society, Denver, Col. (R.)	40
J. McDonald (P.), Moscow, Idaho (B. S.)	50
harles De Witt Brown (Pr.), Chicago, Ill.	1.0
alter S. Parker (Pr.), Chicago, Ill	ID
B. Drake (B. & S.), Peoria, Ill. (C.)	4.50
A. Graham (P:), Earl Park, Ind	10
oore & Winter (P.), Peru, Ind	60
R. Mann (S.), Baxter, Ia.	20
B. Carroll (P.), Fairfield, Ia.	6.8
B. Montgomery (P.), Fort Madison, Ia. (F.)	60
ewton Record Publishing Company, New-	
ton, Ia. (B. S.)	3.50
nomas W. Morgan (P.), Eureka, Ia	1,00
nomas W. Morgan (P.), Eureka, Ia. (Real)	1,40
son & Larson (P.), Muskegon, Mich.,	-14-
Olaf Olson, one-half interest (B. S.)	90
W. Mattice (Pr.), Minneapolis, Minn	8
L. A. Broderson & Co. (M.), St. Paul,	
Minn., I. L. A. Broderson.	33
E. Campbell (N.), St. Paul, Minn.(B. S.)	30
seph Victor (Pr.), St. Louis, Mo.	3.00
G. Blair Printing Company, Cincinnati,	0
Ohio, Louis G. Blair	85
ick & Son (P. D.), Fremont, Ohio	50
rdinand Wolff (Pr.), Toledo, Ohio	1,80

CANADA.

H. H. Lennie & Co. (S.), New Westminster, B. C. .....

LIENS DISCHARGED. LIENS DISCHARGED. Curtiss & O'Neal (B. & S.), Orlando, Fla., M. R. O'Neal Thomas W. Morgan (P.), Eureka, Ia. Thomas W. Morgan (P.), Eureka, Ia. (Real) A. G. Moore & Co. (Prs.), Boston, Mass... A. T. Jennings (Pr.), Charleston, S. C. ... .... 1.860 1,400 300

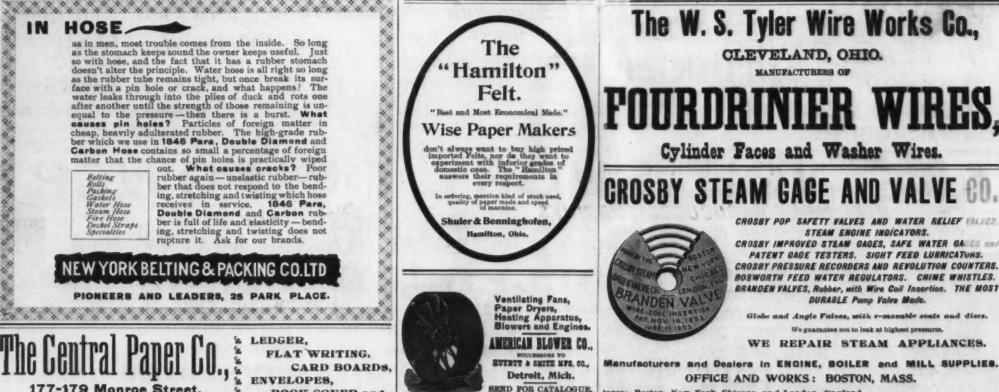
#### JUDGMENTS.

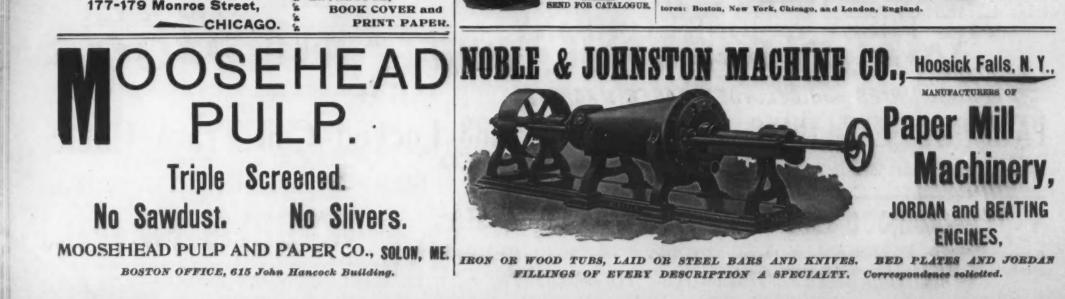
Kossuth Spates (N.), St. Paul, M. nn. ..... Samuel Solomon (P.), New York, N. Y.... Merchanta' Lithograph Company, New York, N. Y. .. 1.345 615.57

C.), New York, N. Y. portsman's Magazine Company, New York, .1,047.70 N. Y.

Robert H. Merriam (P.), New York, N. Y. 576.88 Saa'field Publishing Company, New York, N. Y.

#### The Reformed Publishing Company, Dayton, Ohio, has been incorporated under he laws of West Virginia. Capital stock,





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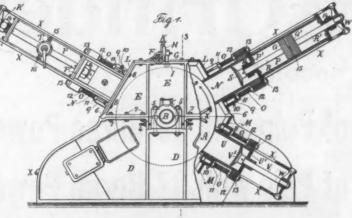
dealer;

#### TRADE JOURNAL. PAPER THE

#### WOOD PULP GRINDER.

A patent has been granted for an improvement in wood pulp grinders. In the present cross section, at the line 3 3, showing the invention the followers that act upon the device for dressing the stone to keep it true, blocks of wood are at opposite sides of the and Figs. 3 and 4 show the valve for admitgrinder, and equal pressure is applied to ting pressure to the cylinder. those followers, so that one pressure resists A represents the grindstone on a shaft B, the other pressure and but little strain is and this is supported in bearings C, of any thrown upon the shaft or bearings for the suitable character, that rest upon the side

In the drawings, Fig. I is a side elevation, partially in section, showing the improved grinder. Fig. 2 is an end view, partially in



fected with but little friction and the ma- 4 and held in position by the bolts 5. The chine rendered more durable.

at one side is connected to a cross-head and axis, and there are knuckles 6 at the corners adjustable rods that extend to the other side of the upper side plates, resting in similar of the machine, and the power is applied to recesses in the lower side plates, to facilitate move one follower in one direction and the the bringing of the parts to the proper posiother in the other direction. It is preferable | tions, and bolts 7 secure the parts together. to employ hydraulic power, the fluid-pressure acting in opposite directions against pistons in a cylinder to separate them and G of the grinder, and this cross-screw F can give motion to the followers and the blocks be revolved by a hand wheel or otherwise, of wood, and when the blocks have been ground the water pressure is employed to carries an adjustable bur or dresser I, which move the pistons toward each other and can be moved toward or from the stone by draw back the followers. The parts are con- the screw and hand-wheel K, so as to dress structed in such a manner that they can be off the surface of the stone, as the same may adjusted toward the axis of the grinder as become necessary, from time to time. The the stone wears away.

same. In this manner the grinding is ef- plates D, and can be adjusted by the screws upper side plates E are separable from the In carrying out this invention the follower side plates D upon the horizontal line of the Above the grindstone A a cross-screw F is supported near its ends upon the top plate and it gives motion to a slide rest H, which peripheral inclosure around the stone and

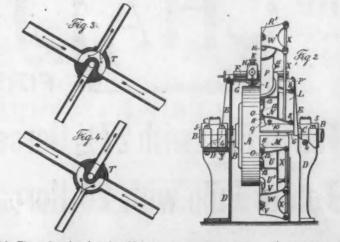
between the side plates is approximately hexagonal, there being plates L, that are bolted at 8 to the edges of the upper side plate E, and plates M, that pass in between the lower side plates D, are connected by flanges and bolts to such side plates D, and the devices connected to the plates L are similar, and hence it is only necessary to describe one set of such devices. The pocket N passes through an opening in the plate L and such pocket has ears upon it, through which pass bolts O, that enter into sockets 9 upon the plates L, there being heads on the nner ends of these bolts and holding the nuts 11, and there are nuts 12 13 upon the bolts O, by which the pocket can be adjusted toward the grinding stone, so that the inner end of the pocket may be brought closely adjacent to the grinding stone as the lat-

ter wears away. The hydraulic cylinder P has a head  $P'_{1}$ which is held by the nuts 13 and bolts O, so that the parts are firmly connected, and in the cylinder are pistons Q Q', with rods RR' extending in opposite directions through packing boxes or glands 14, and the rod R is provided with a follower S within the pocket N, adapted to press the block of wood toward the grinding stone, and there are represented screw stops 15 as passing through the hydraulic cylinder and coming between the pistons to prevent them approaching too close to each other, and at T is a valve or four-way cock, of any suitable construction, and water under pressure is supplied by a pipe to one side of this cock, and a pipe at the other side carries away the waste water. When this valve T is turned in one position, the water pressure acts between the two pistons to force them apart, the waste water escaping from the outer ends of the hydraulic cylinder P.

When the value T is turned in the other direction, the water pressure acts against the outer surface of the pistons to move them toward each other and the waste water passes away from between the two pistons. Upon the plates M are pockets U, con-

structed similarly to the pockets N and provided with similar attaching and adjusting

screws and nuts, and upon the pocket U is a posite follower V' to press such follower and head U', with a central opening for the pas- the block of wood against the opposite side sage of the rod V for the follower V', and of the grinder with precisely the same force upon this rod V is a cross-head W, and as the other block of wood in the pair is upon the piston-rod R' is a similar cross- being pressed in the other direction. Hence head W', and these cross-heads are con- the pressure of the blocks upon the nected by rods X, that cross over and ad- grinder is balanced at opposite sides and vantageously pass through inside of the side there is little or no lateral strain, pressure, plates and the grinder, and it will be ob- or wear of the shaft of the grinder in its



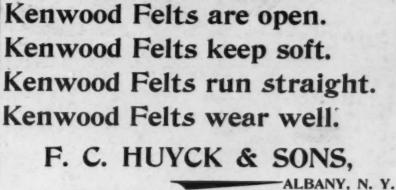
served in Fig. 2 that the plane in which one | bearings, and one pair of followers and where they cross, and these rods X are provided with long screw threads, so that adjustments can be made with facility, as the worn away.

The aforesaid devices being connected up ets, and the pressure in the hydraulic cylin- part of the machine when necessary by disder of one pair acts upon the pistons to force the block of wood by one follower S directly against the surface of the grinder, and the the upper side plates and connected parts same pressure acts against the other piston and through its piston rod, cross head, and vided at 10 to clamp the pockets and precross rods upon the cross head of the op- vent vibration

set of rods is contained is farther from the blocks may be in operation while the followcentral line of the machine than the plane in ers in the other pair are being drawn back which the other set of rods is contained, so and fresh blocks introduced, it being underthat these rods pass clear of each other stood that the action upon one pair is independent of the action upon the other pair, each pair being balanced in its action at opposite sides of the grinder. The bur or pockets may be brought nearer to the axis dresser I can be brought into action whenof the grandstone as the surface thereof is ever desired, whether the other parts of the machine are in action at the same time or

not. Access can be had to the grindstone in pairs, as represented, there are four pock- for inserting another or for repairs to any connecting the cross-rods X at one or both ends and lifting the hydraulic cylinders and from off the grinder. Screws may be pro-





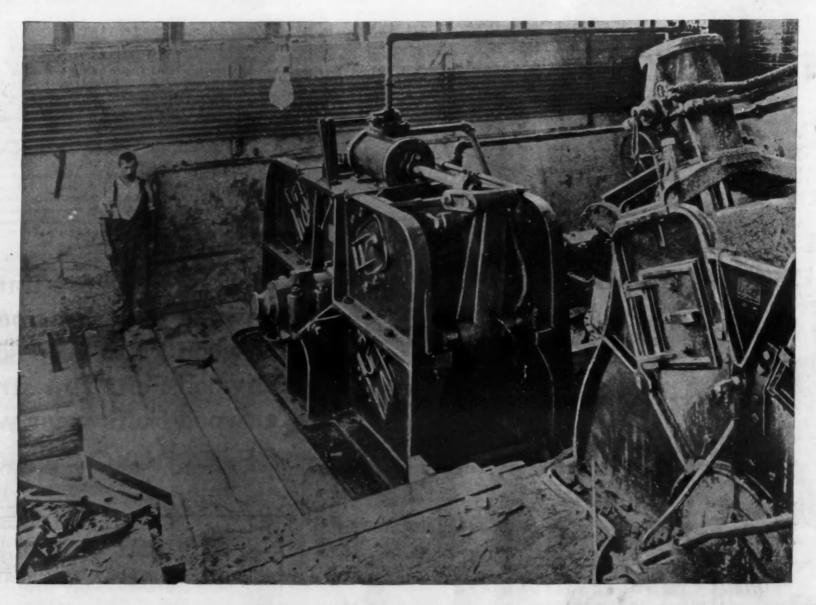


See those wires-how they interlock? Note the smooth surface also.



# THE PAPER TRADE JOURNAL. VENI! VIDI! VICI! The CHALLENGE Grinder Signature Is FIRST. There is no second.

A Ton of Pulp with 27½ Horse Power. A Ton of Pulp with 29 Horse Power. A Ton of Pulp with 28 Horse Power. A Ton of Pulp with 37 Horse Power.



Report of Test made December 23 and 24, in Pulp Mill of Genesee Paper Co., Rochester, N.Y.

1896.	Diameter of Wheel.	Working Head of Wheel in feet.	Tabled Power of Wheel.	Revo- lutions of Wheel per Minute.	Diameter of Cylinder.	Pounds Pressure on Gauge.	Total lbs. Hydraulic Pressure against Stone increased by average of 29 per cent.	Time in min. Grinding half cord 24 in. Rossed Wood.	Cords Ground in 24 hours.	Pounds Pulp in Cord Rossed Wood.	Tons Pulp in 24 Hours.	Horse Power per Ton.	Challeng	e Grinder.
December 23.	33 in.	28 ft.	263	230	16 in.	85	20,669	117	610	2,375	71	37	Horse Power per ton.	Test No. 1.
December 23.	33 "	28 "	263	_	16 "	105	25,532					4.		4
December 23.	33 "	28 "	263	180	10 "	85	20,028	37				-		
December 23.	33 "	28 "	263		10 "	105	24,740	0	0	0	0	0	The wheel driving	Three Cylinder
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n 1						nound a	upped domi at u	LIS DICESUI				KITTUG OF	pound or purp, white	
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S. M. HALL, Superintendent of Pulp Mill of the Lake George Paper Co. W. J. CREELMAN, Consulting Engineer.

## CHALLENGE GRINDER CO., - - Rochester, N. Y.

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WESTERN STEAM APPLIANCE AGENCY, 1315 Old Colony Bailding, CHICAGO, ILL. CHAS. F. CHASE, 26 Milk Street, BOSTON, MASS. JAS. MORRISON BRASS MFG. CO., 89 Adelaide St., W., TOBONTO, ONT. EDMUND MATHER, HARRISBURG, PA LADSHAW & LADSHAW, HARRIS ALLEN.

BPARTANBURG, S. C. BT. JOHN, N. R. NEW SCREEN FOR PULP MILLS

Would you like to see the records showing savings of

From Twenty to Thirty-three Per Cent. Fuel? Would you like to make such a saving yourself?

AGENTS:

Does an investment that may pay you One Hundred Per Cent. a Month

seem a desirable one

Particulars for the asking. If I fail to save you money the traps

and Canada.

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#### COST YOU NOTHING.

Buchanan & Bolt Wire Co., ... ESTABLISHED 1878 ال ال الر الر ال HOLYOKE, MASS. Manutacturers of DIAWOND DRAWN FOURDRINIER WIRES with Improved Seam for News Paper, also DANDY ROLLS and CYLINDER MOULDS.

Our patent dovetailed dandy is the strongest and lightest roll on the market. Brass, Copper, Bronze and Iron Wire Cloth for Pulp and Paper Mills. We make a specialty of watermarking, designing, monograms and lettering of every description. CYLINDERS COVERED AT THE MILL OR AT OUR FACTORY.

#### MILLD.

THE MOORE & WHITE CO.

A Screen designed to avoid the annoyance of repairs and loss of time, and to sell at a very reasonable price.

#### NOISELESS. SIMPLE. DURABLE.

PATENTS APPLIED FOR.

Sizes: No. 1.— 8 Plates, 10 in. x 36 in. No. 2.— 8 Plates, 12 in. x 40 in. No. 3.—10 Plates, 12 in. x 40 in.

No Rubber or Leather Diaphragms or Packing to Wear Out. Speed of Shaft, 125 Revolutions per Minute. Extra Heavy and Well Built. No Special Foundation Required.

THE MOORE & WHITE CO., BUILDERS OF PAPER MAKING MACHINERY, Lehigh Ave. and Fifteenth St., Philadelphia, THE TRADE JOURNAL. PAPER



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#### THE PAPER TRADE JOURNAL.

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Nevember 6, 1827. ]	THE PA	PER TRADE	JOURNAL. 8
emports and Exports.	G. A. & E. Meyer, by same, 5 cs. Lubrie & Elkus, Etruria, Liverpool, 3 cs.	Schulz & Ruckgaber, Cestrian, Liverpool, 72 bs. rags, 126 bs. manillas.	TRAIN, SMITH & CO.
IMPORTS AT NEW YORK.	L. De Jonge & Co., Sicilia, Havre, 55 cs. Wells, Fargo & Co., by same, 1 cs. Hug & Boskowitz, Mobile, London, 3 cs.	Order, by same, 68 bs. paper stock. Order, Prussian, Glasgow, 47 bs. paper stock. Sisting.	
FOR THE WEEK ENDED OCTOBEN 20, 1897.	J. Dickinson & Co., by same, 6 cs. John Glenn & Co., by same, 9 cs. Dennison Manufacturing Company, by same,	Train, Smith & Co., Cestrian, Liverpool, 99 bags. Schultz & Ruckgaber, by same, 306 bags.	DEALERS IN ALL . Paper Makers' Suppl
Alum         105         \$563           Aluminous         Cake            Aniline         Colors	31 cs. E. Kimpton, by same, r cs. R. F. Downing & Co., Spaarndam, Rotterdam,	Bleaching Powder. J. L. & D. S. Riker, Cestrian, Liverpool, 119	24 FEDERAL ST., BOSTON
Bleaching Powders         677         9,580           Books         331         34,044	3 cs. L. De Jonge & Co., by same, 27 cs.	cks. Jerome Marble, by same, 17 cks. Alkali,	BRANCH (140 Nassau St., NEW YORK.
Engravings	E. & H. T. Anthony & Co., by same, 2 cs. G. W. Sheldon & Co., by same, 5 cs. Bleaching Powder.	Wing & Evans, Cestrian, Liverpool, 800 bags. Jerome Marble, by same, 120 bags.	BRANCH OFFICES: 14, 16, 18 & 90 St. Mary Aze, E. C., LONDON. 31 Irwell Chambers, Fazakerley Street, LIVERPOOL.
Newspapers         261         7,730           Paper         489         23,036	Fuerst Brothers & Co., Westernland, Antwerp, 144 cks.	Noda Ask. Wing & Evans, Cestrian, Liverpool, all tcs. Morey & Co., by same, 400 bags, 13 cks.	WINT I CODDETT & CO
Paper Stock 1,077 6,233 Printed Matter 186 18 <sub>2</sub> 853	<ul> <li>A. Klipstein, St. Cuthbert, Antwerp, 112 cks.</li> <li>J. L. &amp; D. S. Riker, Bovic, Liverpool, 432 cks.</li> <li>Caustie Soda.</li> </ul>		WM. J. CORBETT & CO
Soda Ash         3,231         6,171           Soda Caustic         676         7,513           Soda Sal         140         304	R. Crooks & Co., Georgic, Liverpool, 300 ds. Edward Hill's Son & Co., by same, 100 ds.	Nulphur. Linder & Meyer, Cestrian, Liverpool, 1,330	Woolen Rags and Paper Makers' Supp
Soda Hypo 94 129 Tale	Soda Ash. J. L. & D. S. Riker, Bovic, Liverpool, 119 cks.	PHILADELPHIA IMPORTS.	A STREET, SOUTH BOSTON, MASS.
Ultramarine	IMPORTS of Rags and other Paper Stock at the Port of New York for the month ended	FOR THE WEEK ENDED OCTOBER 30, 1897.	WOOLEN RAGS GRADED IN COLORS AND QUALITY. OUR SPECIALTIES: "EXCELSIOR" AND "STAR" PA
Wood Pulp	October 31, 1897, from the following named Ports, showing Quantities from each Port.		4
Imports General Merchandise for the week ended October 29, 1897 \$5,395,161	Whence de e Manilla Imported, s de EQ Stock.	J. L. & D. S. Riker, Corean, Glasgow and Liverpool, 124 cks.	No. 194 Fulton Street, SOLE AGENTS FOR New York City,
MPORTS OF PAPER STOCK AT NEW YORK.	Imported. Bales, Bales, Tons, Bales, Coils.	Clay. Brown Brothers & Co., Illinois, Antwerp, 200 cks.	
FROM JANUARY I TO NOVEMBER 3, 1897.	Antwerp 2,270 5 2,721 Bordeaux 420	Fibre. Order, Maine, London, 11 bs.	TRADE HARE ENGLISH FELTIN
Whence	Bristol 847 Calcutta 144 Central America 62	Paper Stork. Jessup & Moore Paper Company, Corean, Glas gaw and Liverpool, 151 bs.	ALSO IMPORTERS AND DEALERS IN MARINE BLUE (Antilue) for News Paper Mills,
Imported. ssea pio	Copenhagen 267 40 27 Dundee 304	Jessup & Moore Paper Company, Maine, Lon- don, 80 bs.	
Bales.         Bales.         Tons.         Bales.         Coils.           Antwerp	Genoa	EXPORTS FROM NEW YORK I ROM OCTOBER 26 TO NOVEMBER 2. 1897.	A D LITTLE (GRIFFIN) PAPER M
Barcelona 673 Bordeaux 2,861 673	Hamburg         858          466            Havre          163          163            Hull          447          40         647	BOOKS, to Brazil, 7 cs.; Bremen, 2 cs.; British Africa, 6 cs.; British Guiana, 1 cs.; British West	
Bristol 3,314 1,786 Buenos Ayres 45	Leghorn 829 Liverpool 80 702	Indies, 6 cs.; Central America, 1 pkg.; Danish West Indies, 1 cs.; Havre, 2 cs.; Japan, 1 pkg.; Liverpool, 1 cs.; London, 10 cs.; Mexico, 35 cs.;	7 Exchange Place, Boston. Long Distance Telephone 2312 Bo
Calais         14.3          10.514         595           Calcutta          100          10.514         595	London 292 603 933 Newcastle 125 Rotterdam 223	Naples, 2 cs.; Portuguese, 2 cs.; Siam, 1 cs.; Southampton, 1 cs.; Stockholm, 1 cs.; United States of Colombia, 3 cs.; Venezuela, 4 cs. Totals	EXPERT IN THE SULPHITE PROCESS AND ALL CHEN
Central America. 62 Christiania 413 155 1,436	Stettin         1,522          210            Totals          7,519         899         85         8,314	-85 cs., \$6,062; 2 pkgs., \$60. CAUSTIC SODA, drums, to Mexico, 3; San	TURE OF PULP AND PAPER.
Colon 75 Copenhagen 600 105 773 Dublin 42	Special List of Imports of Paper Stock at the		COCHRANE CHEMICAL C
Dundee 3:433 339 Senoa 537 174 4:704 Slasgow 128 1:194 1:052	Port of New York for the month ended October 31, 1997.	Totals—321 cs., \$335; 195 cks., \$235. COTTON WASTE, bales, to Central America. 3; Cuba, 2; Hamburg, 274; Rotterdam, 50; United	AS Kilby Street
Fothenburg 192 41 647 Hamburg10,242 276 120 5,865	E Egi id Manilla	States of Colombia, 1; Venezuela, 5. Totals-335 bs., \$2,801.	
Havre         109         11,354         11,354           Hull         7,429         262         345         7,346         2,878           Kobe         5,365	Importers. Kaga, Vold Raga, Wauilla Stock.	MUSIC, cases, to Central America, 1, \$21. NEWSPAPERS, rolls, to Brazil, 10, \$124.	Highest tests, free from iron, and all other grades used by paper makers.
Leghorn 3,916 686 Leith 32 145 126 229 Lisbon 53	Bales. Bales. Tons. Tons. Bales. Coils.           Bertuch, F., & Co.         88         95            Biddell, E. R         125          125	PAPER, to Argentine Republic, 15 pkgs.; Bra- zil, 332 pkgs., 1 bx.; Bremen, 8 pkgs.; Bremer- haven, 47 cs.; Bristol, 397 pkgs.; British Africa, 50	Also manufacturers of ACETIC ACID, SULPHUBIC ACID and other
Liverpool 1,336 192 5,200 1,966 London	Carroll, R. W 52	pkgs.; British Australasia, 12 pkgs.; British Guiana, 40 pkgs.; British West Indies, 1,510 pkgs.; Central America, 5 pkgs.; Chili, 1 pkg.; Cuba, 31	S I DOCF 422 WEST BROADWA
Maracaibo 85 Marseilles 335 353 90 Newcastle 24 35 1,458 578	Davy, W. O., & Son	cs., 54 pkgs.; Danish West Indies, z pkgs.; Dutch West Indies, 13 pkgs.; Ecuador, 33 pkgs.; Exeter,	D. J. NUNL, NEW YORK.
Rotterdam 5,176 2,610 123 Stettin	Downing, R. F., & Co,	20 pkgs.; French West Indies, no pkgs.; Glouces- ter, 72 pkgs.; Hamburg, 217 pkgs.; Hayti, 2 pkgs.; Japan, 114 cs.; Liverpool, 236 pkgs., 60 cs.; Lon-	Linen and Cotton Rags.
NEW YORK IMPORTS.	& Co	don, 190 cs.; Mexico, 330 pkgs.; Newcastle, 18 pkgs.; New Zealand, 3 cs.; Rotterdam, 20 pkgs.; Smyrna, 4 pkgs.; San Domingo, 54 pkgs.; South-	fiemp and Jule Dag
FROM OCTOBER 27 TO NOVEMBIN 3, 1897. Paper Stock.	Hampton, J. W., & Co 259	ampton, # pkgs.; United States of Colombia. 62 pkgs., 1 cs.; Venezuela, 10 pkgs., 1 bx. Totals-	GEBR. ROSENBERG, & REPRESENTING  GEBRUEDER JOS
F. Salomon & Co., Southwark, Antwerp, 198 s. rags.	Harley, Chas 62 Hempstead, O. G., & Co	3.631 pkgs., \$11,478; 446 cs., \$6,785; 2 bxs., \$171. PAPER BAGS, to Brazil, 17 pkgs.; British Africa, 48 bs.; British West Indies, 3 cs.; Danish	
Train, Smith & Co., by same, 4a bs. rags. James Pirnie, British King, Antwerp, 173 bs. agging.	Henderson Bros 92 Jessup & Moore	West Indies, 2 bdls.; New Zealand, 67 bs. Totals 	
A. Katzenstein, by same, 191 bs. rags. O. G. Hempstead & Co., by same, 213 bs. rags. Train, Smith & Co., by same, 145 bs. rags.	Paper Co.         775         405           Katzenstein, A         490         265         265           Lewy Bros.         Co1,513          251	PAPER BOX MACHINERY, cases, to Lon-	All Grades of Sulphite and Soda Pul SIGMUND GOLDMAN, Agent for the United States and Canada,
J. W. Mason & Co., Wells City, Bristol, 513 bs. ope.	Liebmann, J., & Co	PAPER BOXES, to Brazil, 3 bxs.; Cuba, 1 cs.; Japan, 11 cs.; Liverpool, 10 cs. Totals-22 cs.,	BENNETT BUILDING, 99 NASSAU STREET, NEW
R. F. Downing & Co., Persia, Hamburg, 54 bs.	Co 1,347 Perkins, Good-	\$490; J bxs., \$90. PERIODICALS, bales, to Leipsic, 4, \$460. PHOTOGRAPHS, cuses, to Copenhagen. 1;	THE "DRAPER" FELT
<ul> <li>bagging.</li> <li>Salomon &amp; Co., by same, 95 bs. rags, 180</li> <li>salomias.</li> </ul>	win & Co 146 Pirnie, Jas 1,719 Ralli Bros 144	Liverpool, 6; United States of Colombia, 1. Totals-7 cs., \$315.	MANUFACTURED BY
P Tertuch & Co., Francisco, Hull, 15 ts. chemi-	Ryder, E. S 555 Salomon, F., & Co	PICTURES (other than oil), to Bremen, 3 cs.; British West Indies, 2 cs.; Central America, 1 cs.; Genoa, 1 cs.; Hamburg, 5 pkgs.; Hayti, 1 cs.;	NDADED DDAG A
Mason & Co., by same, 149 bs. rope. Train, Smith & Co., by same, 118 bs. bagging. Jessup & Moore Paper Company, Victoria, Leg-	Small, J. B., & Co 51 183	Liverpool, a pkgs.; London, a cs.; New Zealand, 1 pkg.; Venezuela, 3 cs. Totals-14 cs., \$280; 10	
orn an he rage	Smith, C. E.         59          59           Stratford, George,         & Co.          293	pkga., \$247. PLAYING CARDS, cases, to Brazil, 1; British Africa, 4; British West Indies, 3; Mexico, 2; New	
ope. Castle & Gottheil, Idaho, London, 48 ba. old	Train, Smith & Co 1,866	Zealand, 4. Totals-14 cs., \$623. PRINTED MATTER, to Antwerp, 6 cs.; Argen-	WE SOLICIT ORDERS FOR Cylinder Fourdrinier
apers. W. O. Davey & Son, Mohawk, London, 97 ba. oppe.	Totals	tine Republic, z cs.; Belfast, 1 cs.; Brazil, 11 pkgs.; Bremen, 4 cs.; British Africa, 4 cs.; British Australasia, z cs.; Central America, 1 cs.; Chris-	SATISFACTION GUARANTEED.
E. S. Ryder, America, London, 238 bs. old apers. J. Libmann & Co., by same, 58 bs. rags.	BOSTON IMPORTS.	tiania, 1 pkg.; Copenhagen, 3 pkgs.; Hamburg, 3 cs.; Havre, 7 cs.; Japan, 10 pkgs.; Liverpool, 34 pkgs.; London, 108 cs.; Mexice, 13 cs.; Southamp-	Our Elkna
J. W. Mason & Co., Marengo, Newcastle, 68 bs.	FROM OCTOBER 28 TO NOVEMBER 3, 1897, IN- CLUSIVE, Paper, Etc.	ton, 17 pkgs.; United States of Colombia, 2 cs.; Rotterdam, 36 cs. Totals-189 cs., \$10,963; 76	
Darmstadt & Scott, by same, 57 bs. rope. O. G. Hempstead & Co., Veendam, Rotterdam, 14 bs. rags.	T. P. Smith Printing Company, St. Ronans, London, 3 cs. paper.	pkgs., \$13,483. ROSIN, barrels, to Brazil, 251; British West Indies, 28; Central America, 100; China, 150;	For a good, clean and strong
Horace Dutton & Co., Sicilia, Stettin, 301 bs. ags. Lewy Brothers Company, by same, 99 bs. rags,	W. H. Guild & Co., Scythia, Liverpool, 6 bs. periodicals. The G. C. Whitney Company, by same, 1 cs.	Cuba, 8; Hong Kong, 100; Mexico, an; New Zealand, 75; San Domingo, 100; Trieste, 10; United States of Colombia, 30; Venezuela, 31.	UNBLEACHED SULPHITE FIBRE Write for prices and samples to the
bs. manillas.	cards. Carter, Rice & Co., Prussian, Glasgow, 8 cs.	Totals-893 bbls., \$3,092. SANDPAPER, to Brazil, 8 bs.; Bremen, 3 cs.;	MICHICAN SULPHITE FIBRE CO Factory, Port Huron, Mich. 75 Home Bank Building, DETROIT.
Cassell Publishing Company, State of Nebraska, I lasgow, 5 cs. Baldwin Brothers, by same, 4 cs.	Paper Stock.	Central America, 2 bs.; Intra, 2 bdls.; London, 61 bdls. Totals-63 bdls., \$843; 10 bs., \$214; 3 cs., \$63.	SOLE AGENTS,
Hughes & Fawcett, by same, 1 cs. Kaufmann Brothers, Germanic, Liverpool, 2 cs.	Train, Smith & Co., Lepanto, Hull, 213 bs. rags. T. F. Ring, by same, 35 bs. paper stock, 127	STATIONERY, to Berlin, 1 cs.; Brazil, 7 cs.; Bremen, 7 cs.; British Africa, 5 cs.; British Aus-	
Kupfer Brothers, by same, 4 cs. W. H. S. Lloyd, by same, 6 cs. hanging. F. Beck & Co., by same, 1 cs. hangings.	bs. flax waste. E. Butterworth & Co., by same, 79 bs. rags. E. P. True, by same, 87 bs. rags.	tralasia, 11 cs.; British West Indies, 13 cs.; Cen- tral America, 5 pkgs.; Chili, 1 pkg.; China, 1 cs.; Copenhagen, 5 cs.; Cuba, 10 cs.; Ecuador, 5 pkgs.;	CASTLE & GOTTHEIL,
	Horace Dutton & Co., by same, 940 bs. flax waste, 192 coils manillas.	Hamburg, 1 cs.; Havre, 1 cs.; Hayti, 2 cs.; Liver- pool, 3 cs.; London, 76 cs.; Mexico, 4n cs.; New	IMPORTERS OF
Robert Graves & Co., by same, 1 es. hangings. G. Gennet, Pennsylvania, 2 cs.		Zealand, 33 cs.; Peru, 13 cs.; Siam, 1 pkg.; San	CILLY ICIDI
Robert Graves & Co., by same, 1 es. hangings. G. Gennet, Pennsylvania, 2 es. L. De Jonge & Co., by same, 7 cs. Dingelstedt & Co., by same, 60 cs. Knauth, Nachod & Kuhne, Albana, Hamburg, 1	Train, Smith & Co., St. Ronans, London, 119 bs. rags., 134 bs. waste paper, 130 coils, 23 bs. manillas.	Domingo, 5 pkgs.; Southampton, 1 cs.; United States of Colombia, 16 pkgs.; Venezuela, 5 cs.	Nulonite and Noda Ville
Robert Graves & Co., by same, 1 es. hangings. G. Gennet, Pennsylvania, 2 es. L. De Jonge & Co., by same, 7 cs. Dingelstedt & Co., by same, 60 cs. Knauth, Nachod & Kuhne, Albana, Hamburg, es. J. Dickerson & Co., America, London, 8 cs.	ba. rags., 134 bs. waste paper, 130 coils, 23 bs. manillas. Horace Dutton & Co., by same, 445 bs. flax waste.	States of Colombia, 15 pkgs.; Venezuela, 5 cs. Totals-235 cs., \$14,835; 33 pkgs., \$631. TAGS, cases, to Antwerp, 1; Liverpool, 2; New-	Sulphite and Soda Pulp
Robert Graves & Co., by same, 1 es. hangings. G. Gennet, Pennsylvania, 2 es. L. De Jonge & Co., by same, 7 cs. Dingelstedt & Co., by same, 50 cs. Knauth, Nachod & Kuhne, Albana, Hamburg, es. J. Dickerson & Co., America, London, 8 cs. John Glenn & Co., by same, 3 cs. W. Seyd, British King, Antwerp, 24 cs. Knauth, Nachod & Kuhne, by same, 8 cs.	bs. rags., 134 bs. waste paper, 130 coils, 23 bs. manillas. Horace Dutton & Co., by same, 445 bs. flax	States of Colombia, 16 pkgs.; Venezuela, 5 cs. Totale-235 cs., \$14,835; 33 pkgs., \$631.	LINEN AND COTTON RAGS, JUTE STOCKS, SIZING, &C.

#### PAPER TRADE JOURNAL. THE

#### PROCESS OF MAKING PAPER.

An invention which has just been patented relates to improvements in the process of manufacturing paper, and more particularly to improvements in the process of manufacturing paper from waste paper. In the manufacture of paper from this material heretofore quantities of metallic particles, pieces of parchment, rubber, and other foreign sulstances found their way into the finished sheet, causing rust spots and a great many imperfections in the said finished sheet of paper, and there is also much needless wear and tear on the machinery in grinding the bits of metal referred to which pass into the finished sheet. These foreign substances referred to are in the raw material as tacks or staples for holding the sheets together and also mixed with the same as waste.

The objects of the invention are therefore to provide an improved and effective method to remove all of this foreign matter during manufacture and before the pulp is ground, and to save wear and tear on the grinding machinery, and to produce a superior article of manufacture as a consequence. These objects are accomplished by the method, process, and means described in the following specification.

In the manufacture of paper from waste paper the raw material is carefully and thoroughly sorted by hand and all foreign matter removed in that way that it is possible and practical to detect, though great care in sorting is not absolutely essential. The pa per is then thoroughly dusted, then submitted to a boiling in alkali mixture to loosen all ink, oils, and other material. The material is then passed through a washer, where it is thoroughly washed and soaked and reduced to a coarse pulp, avoiding any grinding action. This coarse pulp is then passed through a pulp screen having elongated slits, comparatively coarse, to allow a free passage of the pulp in its coarse condition, but of such a dimension as to engage the heads of pins and articles of that character. When this coarse pulp is drawn through this screen, there will be found in the screen a great quantity of foreign matter, consisting principally of numerous bookbinder staples, tacks, pins, pieces of rubber, pieces of parchmentized paper, and parchment, all enta igled with a sufficient quantity of the coarse pulp to retain them securely upon the screen.

The screen used is a screen which has suction devices below the screen plate, which draw the pulp through with great force. The pulp could be forced through by other means. The pulp is so coarse that some force is required other than its weight. The pulp which has been screened is then passed to the beaters and to the Jordan, and then to the paper-making machine, where the pulp is passed through a fine screen before going to the machine, which has the effect of completely screening out all foreign material left. leaving the sheet of paper as it comes from the machine free from blemishes and imper-

fections of a 1y character due to the presence of foreign material in the pulp. The screening of the pulp as it passes into the paper machine is not new, but it is the means heretofore depended upon to remove all foreign matter from the pulp, which it did not successfully accomplish, owing to the fact that the foreign material had been disintegrated and ground until there were particles so fine that they passed readily through the screen, causing an injury to the paper and the blemishes referred to. The present invention consists, mainly, in the discovery of the fact that all this foreign substance can be practically removed by screening the coarse pulp before it passes to the beater and before it is ground. By screening the pulp at this time the coarse pulp entangles itself around the objects, as has been indicated, and the clear pulp passes on to the beaters and Jordan.

It will be seen from this that the improved method and process saves the wear and tear on the Jordan and beating engine occasioned by grinding these foreign substances, which consist principally of small pieces of metal. and also removes the foreign substance before it has been ground so fine that it will pass through a screen and before the pulp has been disintegrated to such an extent that it will not tangle the same to retain them with certainty upon the screen. The use of screens in paper making is not new, and the inventor does not wish to be understood as claiming the screen, broadly, as his invention

The invention consists of the process and in the discovery that the screening is effectual in the early stages of the manufacture before the pulp has been disintegrated, so that it will not serve as an entangling means for engaging the foreign substances and in that way assisting in the removal. Further, the process removes these foreign substances from the pulp before they have become so far disintegrated and pulverized that they will pass any screen that is intended to exclude them.

The International Carbon Paper Company, of New York, has been incorporated. Capital stock, \$3,000. Directors, Albert Ernst, John Sommer and Clara Sommer, of New York.



#### OFFICE OF THE PAPER TRADE JOURNAL, I FRIDAY, November 5, 1897.

THE MONEY MARKET .- The stock market was weak, and the general list suffered a marked decline. Call loans on stock collateral were steady at 2@21/2 per cent., with a fair inquiry. The close was at about 21/4@21/2 per cent. The inquiry was better owing to the call of \$13,000,000 by the Union Pacific syndicate. Banks in New York quote 21/2 per cent. for loans on call. Time contracts on good Stock Exchange collateral are quoted at 21/2 per cent. for sixty days, 3 per cent. for ninety days, 31/2 Light Seconds, 21/2@31/4c.; New White

per cent, for four and 31/2@4 per cent, for five to six months. Money continues to be offered on exchange collateral at 21/2 per cent. for sixty to ninety days, less a commission. There is a good inquiry for commercial paper, with a moderate supply, and rates are 4@41/2 per cent. for sixty to ninety-day endorsed bills receivable, 41/4@ 43/4 per cent. for first class and 5@6 per cent. for good four to six months' single names. Foreign exchange was dull and steady in tone. Posted rates were \$4.831/2 for sixty days, and \$4.861/2 for sight. Actual rates were \$4.821/2@4.83 for sixty days, and \$4.851/6 4.853/4 for sight.

THE PAPER TRADE-The mills are fairly busy. Most manufacturers say they are full of orders, but all are agreed that prices are no better.

IUTE BUTTS .- The market for jute butts may be characterized as unsettled and weak. The nominal price is 90c.

WOOD PULP .- The good demand for Ground Wood continues. The price is \$13 to \$20, f. o. b. at the pulp mill.

WOOD FIBRE .- There was little business doing in Foreign Sulphites. The Domestic article was in good demand. We quote: Foreign Sulphite, Bleached, No. 1, 3.25@3.30c.; No. 2, Soda Fibre, Bleached, is quoted at 2.90c.; Unbleached, No. 1, 21/8c.; No. 2, 2c. Domestic Sulphite, Unbleached, is quoted at 2@21/4c.; Domestic Soda, Bleached, 178@2c., delivered. There were 15 tons of chemical fibre imported at New York from Hull this week.

FOREIGN RAGS AND PAPER STOCK .- The business doing in Foreign Rags was fair. We note sale 100 tons German Colored Cottons to arrive at 1c. We quote: German Blue Cottons, 1.22@1.25c.; Dutch Blues, 11/4@1.30c.; Light Prints, 1.15@1.20c., according to quality: New Cuttings, 23/8@21/2c. The imports for the week aggregated 3,848 bales and 15 tons, being 1,987 bs. rags, 286 bs. old papers, 15 tons Chemical Fibre and 1.575 bs. Manillas. The ports of shipment and quantities were as follows: Antwerp, 788 bs. rags, 173 bs. manillas; Bristol, 513 bs. manillas; Hamburg, 357 bs. rags, 247 bs. manillas; Hull, 15 tons chemical fibre, 267 bs. manillas; Leghorn, 256 bs. rags; Liverpool, 114 bs. manillas; London, 58 bs. rags, 286 hs old papers, 97 bs. manillas; Newcast

bs. manillas; Rotterdam, 134 bs. r St. tin, 400 bs. rags, 39 bs. manillas. DOMESTIC RAGS .- The market off a trifle in the demand. Prices hold their own. We quote: Rag Muss, 20@250

Satinets, 30@45c.; Common Dark Second 25@40c.; Mixed Cottons, 50@75c.; Thirds and Blues, 11/8@13/8c.; Thirds and Blues (street), 1@11/sc.; House Soiled Whites, 13/@2c.: Street Soiled Whites, 11/2011/4c.; No. 1 Whites, 23/4@3c.; New Black Cottons, 50c.; New Common Dark Seconds, 371/2@50c.; New Dark Cottons, .75@11/4c.; New Blue Cottons, 178@21/8c.; New

Shirt Cuttings, No. 2, 3@31/2c.; New 5s. to £6 10s. per ton: 70 per cent., £7 5s. to White Cuttings, No. 1, 4@41/2c.

BAGGING, ETC .- The market for Gunny was very weak. The nominal price is 70c. Bright Burlaps are quoted as selling at .85c.; Manilla Rope at 1.70c.; No. 1 Mixed Bagging at .6oc., and Heavy Wool Tares at .921/2c. The manilla stock imports for the week aggregated 1,575 bales, being 173 bs. from Antwerp, 513 bs. from Bristol, 247 bs. from Hamburg, 267 bs from Hull, 114 bs. from Liverpool, 97 bs. from London, 125 bs. from Newcastle and 30 bs. from Stettin.

OLD PAPERS .- There was a very active demand. Certain grades show a daily advance. Stock is limited. We quote: No. Hard White Shavings, 1.85@2.50c.; No. Soft White do., strictly free from Wood, .50@1.621/2c.; Soft White do., Ordinary, 1.45c.; Ledgers, 1.15@1.25c.; Solid Printed Books, .85@1c.; Mixed Shavings, No. 1, .75@1c.; Mixed Shavings, No. 2, .60@.70c. Extra No. 1 Manillas, .85@.95c.; No. 1 Manillas, Ordinary, .60@.70c.; No. 2 Manillas, .50c.; Folded News, .60c.; Folded News (over issues), .65c.; Mixed Papers, .30@.40c.; Commons, .20@.25c.; Straw Clippings, .35@.371/2c.; Binders' do., .40@ 45c.

STRAW .- The demand was moderate and the market continued weak. We quote: Long Rye, .40@.60c.; Short Rye, .35@.40c.; Oat, .30(a.35c.

ROSINS .- All descriptions were dull. with values barely steady. We quote: Common to Good Strained, \$1.65@1.70; E, \$.95(a 2; F, \$2.05; G, \$2.10; H, \$2.15; I, \$2.15: K, \$2.30; M, \$2.50; N, \$2.80; W. G. \$3.30.

CHEMICALS .- The market for paper makers' chemicals was unchanged. Under date of October 19 J. P. Brunner & Co. write from Liverpool: "There is a moderate trade going on in chemicals, but the market is not active. For some lines, however, buyers find difficulty in placing prompt orders, owing to short supply. Soda Ash is in moderate compass, both for Ammonia Alkali and Leblanc Ash. In one case, manufacturers are refusing orders for Alkali for balance of this year, being fully sold, while Leblanc Ash is almost unobtainable for prompt delivery, and higher rices quoted. Quotations for tierces, as market, may be nominally quoted about s follows: Leblanc Ash, 48 per cent., £4 5s. 10 Li ios. per ton; 58 per cent, £4 15s. to £5 ton; net cash. Ammonia Ash, 48 per to £4 2s. 6d. per ton; 58 per cent., to 14 7s. 6d. per ton; net cash; bags,

ton under prices for tierces. Soda stals find a fairly ready sale, and quotations for barrels vary from £2 75. 6d. to £2 17s. 6d. per ton, less # per cent. as to market, and 7s. less for bags. Special terms for American business. Caustic Soda, although not active, is in fair request and firmly held. We quote spot range, as to market, about as follows: 60 per cent., £6

£7 10s. per ton; net cash. 74 per cent., £8 28. 6d. to £8 5s. per ton; 76 per cent., £8 15s. to £9 per ton; net cash. Bleaching Powder is rather flat; £6 7s. 6d. to £6 12s. 6d. per ton, net cash, represents about spot range for hardwood packages, as to market." In the local market Caustic Soda and Alkali were quiet, and Bleach continued scarce. There is some Bleach due on Monday, but it is all sold. The price last quoted was \$1.95

CHINA CLAY .- Arrivals have been large, but most of the stock was deliverable upon contracts made some time since, and market values have not been affected. Current orders are small, and there is very little demand for forward delivery. Quotations at the close were somewhat nominal at \$15@17 for the higher grades, \$13@14 for medium and \$10@12.50 for the poorer kinds, according to quality and quantity. In domestic trade is quiet, and prices are nominal at \$9@9.50, as to quantity and quality.

TWINES .- The business doing was fair, and prices were firmly held. We quote: Sisal Hay, 41/2@5c.; Sisal Lath Yarn, 41/4c.; Jute Rope, 41/2@51/2c.; Twines-Jute, 18, 101/2c.; 24, 101/2c.; 36, 10c.; Jute and Hemp, 18, 13@14c.; 24, 12½@13½c.; 36, 12@13c.; Hemp, 18, 16c.; 24, 15½c.; 36, 15c.; Marlines, Jute, 41/2, 7s.; 6, 7c.; 7, 61/2c.; Jute and Hemp, 6, 9@11c.; 8, 8@10c.; American Hemp, 41/2, 11c.; 6, 11c.; 8, 10c.; Russian Hemp, 41/2. 11c.; 6, 11c.; 8, 10c.

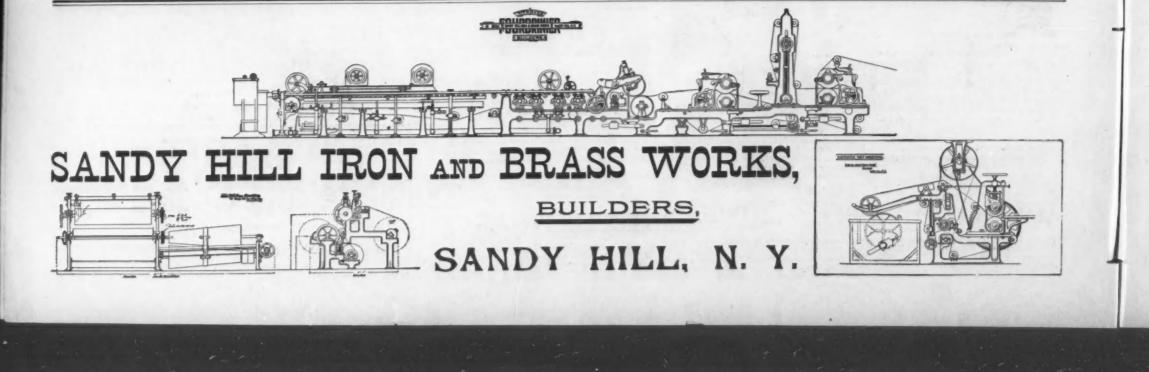
COAL .- Prices are still lower for Anthracite. The cutting is admitted to be general.

DWIN BUTTERWORTH & CO., MANCHESTER, ENGLAND, Paper Stock, Cotton Waste and Buffalo Sizing, Wood Pulp, Moist and Air Dry Pulp, Soda and Ground Pulp P 83 GUNNY BAGGING, &c.

Vanderbilt Building, No. 132 Nassau Street, JAMES PIRNIE, A. S. DEMAREST, Managers. floe at Boston: 58 Federal Street, C. H. WOOD, Manager.

#### WATERBURY Felts and Jackets MANUFACTURED H. WATERBURY & SONS CO., ORISKANY, N. Y. Adapted to every grade of paper from the finest to the coarsest. The Largest Manufacturers of Paper Makers' Felts in the World. Our wet machine or pulp felts are unequaled for durability. For WRITING and We warrant a felt equal LEDGER PAPERS to anything imported.





#### THE PAPER TRADE JOURNAL.





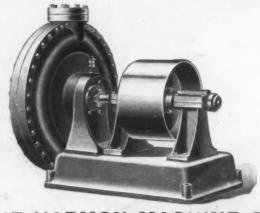


Paper Merchants, Agents and Importers of

#### **GRINDERS** AMERICAN PAPERS KNIFE AUTOMATIC FOR PAPER MILL AND PLANER KNIVES, Either with Cup Wheel or Plain Wheel, with or without Water Attachments. and BOARDS. . .

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#### THE HARMON MACHINE CO., WATERTOWN, N. Y.

#### WOOD-PULP-MAKING MACHINE.

A patent has been granted for a woodpulp-making machine of that class in which the reduction is accomplished by the impact of beaters co-operating with fixed portions of the machine, and is an improvement in certain particulars upon the machine forming the subject-matter of an application for letters patent filed July 9, 1896, Serial No. 598,544.

The objects of the invention are to provide for the reduction of the material from the block form to the chip form in connection with the pulverizing mechanism; to better provide for the agitation of the pulp within the reducing chamber, and to prevent the clogging of the discharging screen

With these objects in view it consists in so constructing and arranging the machine that it is provided with a cutting or chipping device at the mouth of a hopper adapted to receive the material in block form, and which feeds the reducing mill; in so forming the inclosing case that it is provided with a large chamber above the beaters, into which the pulp is thrown from the beaters by centrifugal action, the wall of this chamber against which the pulp is so discharged being so curved that the material is thrown forwardly, so that it may descend by the action of gravity among the beater arms, and in so forming the ribs or bars of the discharging screen that the agitation of the pulp will tend to dislodge from the screen aperture any large particles which may gather therein.

In the drawings, Fig. t is a front elevation of the machine. Fig. 2 is a transverse vertical section thereof upon the line 2 2 of Fig. 1. Fig. 3 is a longitudinal vertical section upon the line 3 3 of Fig. 2.

The shell or casing of the machine A is oblong rectangular in its general contour, and is horizontally divided into two sections, the lower one, a, forming the bottom of the casing, and being apertured to receive the discharging screen, which is curved in form, the arc of curvature having the axis of the beater shaft as its centre. This shaft C is journaled longitudinally within the casing A, and upon it are mounted a plurality of disks, D, having radiating arms d, as shown, eight in number. These disks are spaced apart by means of rings, F, which, together with the

spiral running from the middle of the machine to its sides, in one direction taking the form of a right screw thread and in the other a left screw thread, so that as the beaters revolve they tend to move the pulp continuously toward the sides of the machine. A plurality of blades E are fixed in one of the side walls of the casing A and project inwardly, intermeshing with the beater blades and terminating beyond

their bases, the inner ends of these blades being thickened, as indicated at e, so as to bear against the surface of adjacent disks D. The blades E are held in this machine in the same manner as in the earlier machine above referred to, being set within a recess formed between the attaching flanges of the upper and lower sections of the casing, and being locked in place by means of a rib, a<sup>2</sup>, engaging transverse notches in the blades, the blades being spaced apart by the introduction of suitable blocks e'

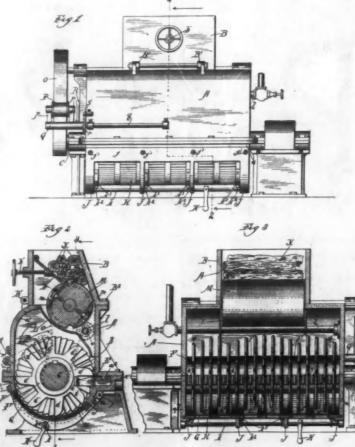
The screen consists of the two slotted plates G H, the former being the inner one, being in fixed relation with the bettom a of the casing, and the outer one being adapted to slide upon its companion, and being held in frictional contact therewith by means of the curved bars J, pivoted at j to one side of the bottom a of the casing and secured by means of bolts j' to the other side thereof, the outer ends of the bars J being united by means of the plates J'. The inner faces of the bars of the screen G are beveled, so as to present an inclined face to the pulp as it is carried forward by the action of the beaters, so that the inner face of the screen presents the appearance of a series of grooves having an abrupt and an inclined wall, thereby forming an abutment over which the pulp is precipitated, and preventing slivers of wood from being driven into the interstices of the screen, and allowing any particles which may seek lodgement therein to be quickly washed out by the agitation of the material.

The adjustment of the screen, as in the by means of a crank handle, K, fixed upon a rock shaft, k, journaled within the bars J, and having fingers,  $k^{s}$ , engaging suitable sockets in the bands k3, secured to the outer plate H of the screen.

The casing A extends upwardly above disks, are keyed upon the shaft. The disks the beaters, so as to form a suitable chambrian B the top of the casing A is ape

blades d are arranged in spiral form, the the beaters by centrifugal action. That extends from one side of this aperture wall of the casing along which the pulp is upon the beaters by the action of gravity. mit the entry of fresh material. The top

obliquely downwardly, so as to receive the thus discharged is curved inwardly at its impact of the pulp, then upwardly from the upper end, as indicated at a', so that the beaters, and terminates a sufficient distance pulp is thrown forwardly and descends from the side wall of the casing A to per-



WOOD-PULP-MAKING MACHINE.

this means the pulp is returned of the casing B is open, serving as the By to carry it to their outer ends. A casing, B, of less length than the casing A, is superimposed upon the latter and is secured thereto by the hinge B' at one side and by bolts  $B^{\circ}$  at the other side. Wthin the call

case of an earlier machine, is accomplished to the inner portions of the beaters, mouth of a hopper, which consists in part the centrifugal action tending at all times of the walls of the casing and in part of a swinging plate, b, pivoted within the casing and supported by a screw-threaded rod, b', projecting through the casing wall, and ing provided with a hand wheel. Be-

D are so set upon the shaft that the beater ber into which the pulp is discharged from to receive the material, and an apron, L, cylinder, M, carrying the cutting blades m m. The wood to be operated upon is introduced into the hopper in the form of blocks X, which fall upon the face of the cylinder M, so that the cutting blades gradually reduce them by chipping, the chips being carried downwardly and delivered into the reducing chamber. horizontal pipe, l, extends longitudinally through the casing immediatedly below the cylinder M, and is provided throughout its length with small discharge apertures, by which means a suitable quantity of water may be delivered to the machine with the chips. The cylinder M is driven from the shaft C by means of a belt, O, upon suitable pulleys upon this shaft and the shaft of the cylinder. A belt tightener in the form of an idle pulley, P, co-operates with the belt, being suitably journaled in the arms p p, projecting from a sleeve, Q, mounted upon a shaft, q, secured in brackets attached to one of the sides of the casing A. The sleeve Q is controlled by a handle bar, R, and is locked in an advanced position by means of a ratchet wheel, r, and a pawl, S. By this means a loose belt may be employed, so that when desired the cutting cylinder M may be stopped without interfering with the action of the beaters, so that if the chips are fed to the pulverizer too rapidly the clogging of the machine may be prevented.

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The upper edges of the blades E are inclined, as shown in Fig. 2, downwardly from the wall of the casing, so that by impact of the chips upon these blades they are thrown toward the centre of the beater cylinder and prevented while in this larger form from being thrown directly against the screen. After the material has become finely subdivided, this inclined form of the upper edge of the blades ceases in great measure to divert them to the centre, so that the effect of thus forming the plate is measurably to assort the coarser from the finer material, leaving the latter free to seek by the centrifugal action to escape through the screen. Near their inner ends the top edges of the blades are given an upward inclination, so as to prevent the material from being carried too far to the centre and into the space between the disks D

The plate b, forming one of the walls of the hopper, is mounted upon a pivot, as en the mouth of the hopper thus formed shown, so that the capacity of the hopper the apron L is journaled a horizontal. may be varied to adapt the machine to the

# PULP GRINDERS ARE SUBJECT TO THAT LAW OF EVOLUTION, THE SURVIVAL OF THE FITTEST."

<text>

top pocket in was cal of from the top pocket in arrangement being such that when the feed pressure was transferred from one pocket to another the second pocket was always brought into action be-fore the first pocket was released, thus insuring that two pockets should always be at work, a feature possessed by no other pulp grinder. The machine has been modified and improved from time to time, during the past nine years, fourteen times, developing in 1896 into a machine as shown in the cut below, retaining all the desirable features and remedying every known defect. The machine represented below is now offered on the market, greatly strengthened in all the working parts, to take stone 54 inches diameter, to grind 24-inch wood, weighs 9 tons and embodies the following points: The pockets can be conveniently adjusted and kept within 1-100 of an inch of the stone, SO THAT NO SLIVERS CAN BE MADE. The follower is always moved with the cylinder and works up close to the stone at all times. but cannot touch



it. Has brass-lined hydraulic cylinders, brass valves and stuffing boxes, steel piston rods, hammered shafts from 6½ inches to 8½ inches diameter, according to power used, can wear stone down to 40 inches diameter, and can take in wood 18 inches diameter without splitting. Can operate without throwing a drop of water or pulp out of the machi

machine. Can furnish machines, two-pocket or three-pocket, to grind wood 16 inches, 20 inches, 24 inches, or 28 inches long, at prices ranging from \$400.00 to \$700.00, using hydraulic cylinders ranging from 8-inch to 16-inch diameter, according to power used. They are simplest, most conveniently accessible in all parts, most easily and cheaply operated, of any grinder on the market. The pockets being larger than on any other machine, can use more power and make a greater product.

About 500 of these machines have been built, which are used in about 100 mills, a number greater than that of any other grinder in the world.

As figures are confusing, I make the fol-lowing offers in plain English: Will sell a heavy two-pocket grinder for \$530.00, guaranteed to make more pulp of good quality with greater economy of power and at less cost for operating ex-penses than can be done by any other ma-chine on the market. Will sell three-pocket machine with the above guaranty, adding a stipulation to make a greater aggregate production, using any power from 100 horse up to the maxi-mum which a pulp grindstone can safely stand. stand

Will furnish grinders to be run in a competitive test of from 15 to 30 days, with any other grinder on the market, under the

any other grinder on the market, under the above warranty. Will furnish complete outfit of pulp machinery, all of the best, including grind-ers, screens, wet machines, hydraulic pump, stuff and water pumps, wood-preparing machinery, log haul, shafting and pulleys, all guaranteed to make 10 tons of air-dry pulp in 24 hours, of spruce wood suitable for good news paper, at a cost not exceeding \$2.00 per ton, for \$5,000.00, or will furnish outfits for larger mills at prices in proportion.

You Get All You Bargain For.



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THE PAPER TRADE JOURNAL.

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WANTED-A POSITION AS SUPERINTEND-ent or foreman, book, nuws or manilla mill. Can give good references. Address H. M., care

WANTED-A PAPER SALESMAN WHO IS thoroughly acquainted with the Chicago consuming trade, to look after the interests of a large Eastern mill making fine writings, bonds, linens and ledger papers. State and experience. Address Box 3008, Holyoke, Mass.

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WANTED-SODA-PULP MACHINE CAPAble of putting through 15 tons in 24 hours. With dryers complete. Also second-hand Paper Machine from 72 inches upward. Address ROYAL PAPER MILLS CO., East Angus, P. Q., stating size of machine, number of dryers and price.

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To LET-TWO LARGE LIGHT LOFT BUILD-ings suitable for manufacturing purposes. Will put in power to extent required. 20,000 square feet in building opposite Fulton Ferry, Brooklyn, and 12,000 square feet in building near Broadway Ferry, Brooklyn, Apply to F. X. SADLIER, 583 West 55th St., New York City.

FOR SALE-THE HANMER & FORBES CO.'S paper mill at Burnside, Conn. C. F. Hanmer,

FOR SALE-AT A SACRIFICE, PAPER-MILL machinery. The entire paper-mill machinery, in first-class order, contained in our mill will be sold

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One gun-metal Couch Roll, 20x120 inches. Une 98-incb Fourdrinier part for 40-foot wire. Eight Doctors compilete for 90-inch face calend One seamless Dryer, new, 48x20 inches. All' in first-class condition.

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# Location in the West, best water power in the In one of the best towns of the West. Best narket of the West. running on book and news. The right party mre A 1 plant for a small each investment. was B, care of Paper Trade Journal.

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ne 82-inch special Leffel Water Wheel with 8-foot e Wheel, Pinion, etc. Iso one Marshall Engine in good order, in use at sunt. Would take stack of 82 or 84-inch Calender is, Also Two Jordan Engines in good repair. Address EXCHANGE, care Paper Trade Journal.

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aper and Pulp

lachinery.

Entire contents of the Dupont Paper Mills, con-sisting in part of one 88-inch and one 76-inch Four-drinier paper machine, complete, with fitteen dryers and Marshall drive to each; six 1,000-pound beaters; four Scott's New England grinders; one 159 H. F. Green tandem compound engine: shafting, pulleys, rotaries; one 14-foot Globe rotary; three Horne beaters 1,000 pound; three Emerson beaters, 1,000 pound; four Jones beaters, 1,800-pound; one 88-inch Black & Clawson friction cutter; one 85-inch Finlay cutter; five Jordans; rag cutters and dusters; one 76-inch double cylinder machine, with gun metal press rolls; ten iron dryers. 36 x72 inches; calenders, reel. cutter, slitters and winders complete; one 18 x 18-inch George H. Corliss engine; two Success screens; fifty iron dryers from 44-inch to 98-inch face; two Globe rotaries; one 7½ x 20 foot horizontal rotary; one 11-roll stack of calenders, 85-inch face; one Emerson Jordan.

F. H. DAVIS & CO.

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FIRE ADJUSTER -DEALER IN Paper Mill Machinery and Mill Property,

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#### I HAVE FOR SALE

I HAVE FOR SALE two National pressure filters that will filter 500 gallons water per minute, with pump valves and php, that has only been used about six monthay use M-luch Foundrinler will all the set inch wire, with a fince for the found of the set inch wire, with a fince, with our stack of calenders, reel stitters and Manning winder; one 44-inch cylinder machine: three molds, thirdeen dyrers, seven hoi-tom six top, with reel and calenders, just right for making strawboard lining paper; one strawboard mill complete, and one Jager liner; fifteen dryers stight Busk de Clawoon's make; mersikess Birld dryers; eight Busk de Clawoon's make; mersikess Birls, a size Poole grinder; see bind-rer haard mill complete, incinding use hydraulic press, were then the board clanders is limbes in diameter; inve writ machines, one 70, one 44 inch, and 120 Mer Haven piates; one Clie elevator, two shapers and one flaner, also number of lathes, three steam bollers, one 188 horse power, built for the ktuasian Goverament, pursuare 200 punds.



THE PEOPLE OF THE STATE OF NEW YORK

THE PEOPLE OF THE STATE OF NEW YORK THE GLOBE PAPER AND FIBRE COMPANY. In pursuance and by virtue of an order of the Supreme Court duly made at a Special Term thereof held at the Court House in the City of Watertown, N. Y. October 27, 1897, and entered in Jefferson County Clerk's offices on the same day, the undersigned, receiver of all the property and effects of the said Globe Paper and Fibre Company, will sell at public auction at the law offices of Purcell, Walker & Buras, 15 Washington 8C, Watertown, N. Y. on the 20th day of November, 1897, sit en o'clock in the forenoon of that day, four letters patent of the United Bistes of America, numbered respectively SI, 350, 517, 551, 517, 552 and 268, 522, the first three of which were issued to Charles Erhicher, of Watertown, N. Y., and bear date April 10, 1884, and were respectively for improvements in "lagging for boilers and pipe," "fire-proof wheathing," coverings for pipes and boiles," and the fourth of which was issued to Joehna M. Hammill, bearing date October 16, 1888, for improvement in "non-conducting compounds." Said patents will be sold for cash. Dated October 27, 1897. PUBCCLL, WALKER & HURNS, Attorneys for Receiver. 15 Washington 84, Watertown, N. Y.





#### PAPER MILL FOR SALE, Southford, Conn.

CLARK & SPENCER, LEE, MASS.

#### DESCRIPTION.

BUILDINGS. This mill, erected in 1882, is constructed entirely of brick and stone with slate roof. There are six frame dwelling houses, containing eight tenements, two commo-dious storehouses, one large barn, one machine shop, one blacksmith shop, coal sheds, etc.

MACHINERY. One Smith & Winchester 72-inch four cylinder machine, with sucteen 36-inch dryers, and one eleven and one six roll stack of calenders; one 1,200, three 300 pound beating engines and two Jordan refining engines; one 7 x 16 feet rotary boiler, one rag cutter and duster, one 80 horse power Fitchburg horizontal steam engine, one con-denser, one 25 horse power upright steam engine, three 75 horse power horizontal steam boilers, one large Acme paper cutter, three power elevators, three sets Fairbanks station-ary scales, two portable scales, one Crocker rotary fire pump, automatic sprinklers, fire hose, hydrants, etc.; steam heating; one Herring Champion Safe, large size; lamps, beit-ing, trucks, office furniture, etc.; machine shop contains upright power drill, planer, full set of small tools, 10 horse power upright steam engine, piping, tools, etc.

REAL ESTATE. Eighty acres of meadow and wood land, including two mill priv-ileges at outlet of Lake Quassapaug.

WATER POWER. Mill is run by four 15-inch National water wheels under 94 feet head. Lake Quassapaug, located five miles above mill, is the source of water sup-ply. It covers an area of 274 acres and contains 2,600,000,000 gallons of water. The priv-ileges at the outlet of this beautiful lake are owned absolutely by this mill property, thereby controlling its waters. Eight Mile Brook connects this lake with mill pond five miles below. This brook drains a large watershed. The quantity and quality of this water supply are unsurpassed. water supply are unsurpassed.

Mill is in complete running order. Location for freight will compare favorably with any mill in New England.

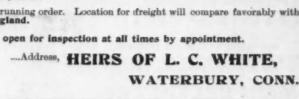
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#### ....Address, HEIRS OF L. C. WHITE,

#### CHAS. M. JARVIS, President, GEO. H. SAGE, Secretary.

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Paper Cutters,

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Beaters : One Umpherston ; one 1500 Iron Side Holland as Beaters: One Umpherston; one IMW From store Formanu area many others. Boilers: Six 6 ft, x 17 ft.; four 5 ft. x 16 ft.; five 4 ft. x 16 ft. Calenders: Two stackeds filmch; one Broll board. Cylinder Moulds: One B x M, newly covered. Cover the Scherk State and the Scherk Black & Claw-more to Scherk Broken & Unchester. Dryers: Four 30 x M. Jordans: Twenty-eight Jordans, all makes. Fifty Tons Pulleys. Fumps: Three Corliss, double power, 6-inch stuff pumps. Fister: One Scherk Broud and ated. Keel: One Gb-inch Stol revolving; sme 67-inch 12 roll re-volving. g. htes: Eight 12 x 40. gines: One 14 x 40 Geo. Corliss; one 16 x 48 Geo. s; one 26 x 48; one 38 x 60; one 14 x 14 Upright

Putnam. Stevens Digester: One. Washers: Seven cylinder washers. Sturtevant Blowers: Two No. 5. One 68-inch Double Cylinder Machine Complete.

EMERSON MANUFACTURING CO., Lawrence, Mass.

By virtue of an order from the Superior Court of Hartford, Conn., I, Charles J Barnard, Receiver offer the following property at private sale till the first day of De-cember, 1897. Sale subject to the approval of the court.

# <text><text><text><text><text><text><text><text><text> Description of Property.

#### **Description of Machinery.**

One Corliss Steam Engine, nearly new, 125

orse power. One Buckeye Steam Engine, 40 horse power. Two Steam Boilers of 60 horse power each. One Leffel Water Wheel mit in iron case. Shafting all put in three years ago, all in good ondition.

Shafting all put in three years ago, all in good condition. Two Stuff Chests, nearly new. One Fourdruier Maccine, 68-inch, 33-foot wire, made by Rice. Barton & Fales, Seven 96-inch Dryers; Stack of childed calenders. One Marshall Refining Engine. Two 400 lb. Beating Engine. One 600-lb, Washing Engine. One Rag Cutter. One Rag Cutter. One Duster. One 81-inch under-cut Cutter.

All Belted: MILL READY TO START WITH BUT LITTLE OUTLAY.

Price low; terms cash. For further particulars, inquire of

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Box 12. Or at the mill.



THE BERLIN IRON BRIDGE

THE above illustration, taken direct from a photograph, shows the construction of an Iron Truss Bridge designed and built by us at Massens, St. Lawrence County, N.Y., consisting of one span of 235 with a roadway 16 feet wide in the clear.

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#### 880

#### JOURNAL. THE PAPER TRADE

#### WOOD-PULP-MAKING MACHINE.

A patent has been granted for a woodpulp-making machine of that class in which the reduction is accomplished by the impact of beaters co-operating with fixed portions of the machine, and is an improvement in certain particulars upon the machine forming the subject-matter of an application for letters patent filed July 9, 1896, Serial No. 598,544.

The objects of the invention are to provide for the reduction of the material from the block form to the chip form in connection with the pulverizing mechanism; to better provide for the agitation of the pulp within the reducing chamber, and to prevent the clogging of the discharging screen

With these objects in view it consists in so constructing and arranging the machine that it is provided with a cutting or chipping device at the mouth of a hopper adapted to receive the material in block form, and which feeds the reducing mill; in so forming the inclosing case that it is provided with a large chamber above the beaters, into which the pulp is thrown from the beaters by centrifugal action, the wall of this chamber against which the pulp is so discharged being so curved that the material is thrown forwardly, so that it may descend by the action of gravity among the beater arms, and in so forming the ribs or bars of the discharging screen that the agitation of the pulp will tend to dislodge from the screen aperture any large particles which may gather therein.

In the drawings, Fig. t is a front elevation of the machine. Fig. 2 is a transverse vertical section thereof upon the line 2 2 of Fig. 1. Fig. 3 is a longitudinal vertical section upon the line 3 3 of Fig. 2.

The shell or casing of the machine A is oblong rectangular in its general contour, and is horizontally divided into two sections, the lower one, a, forming the bottom of the casing, and being apertured to rethe discharging screen, which is ceive curved in form, the arc of curvature having the axis of the beater shaft as its centre. This shaft C is journaled longitudinally within the casing A, and upon it are mounted a plurality of disks, D, having radiating arms d, as shown, eight in num-These disks are spaced apart by plate H of the screen. means of rings, F, which, together with the

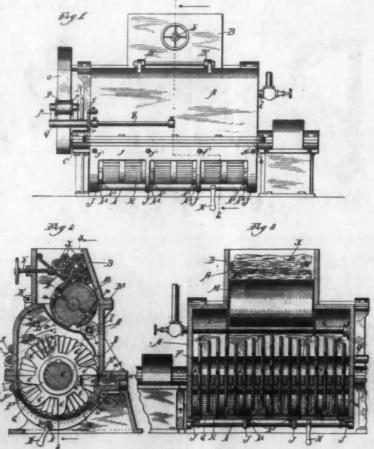
blades d are arranged in spiral form, the the beaters by centrifugal action. That spiral running from the middle of the machine to its sides, in one direction taking the form of a right screw thread and in the other a left screw thread, so that as the beaters revolve they tend to move the pulp continuously toward the sides of the ma chine. A plurality of blades E are fixed in one of the side walls of the casing A and project inwardly, intermeshing with the beater blades and terminating beyond their bases, the inner ends of these blades being thickened, as indicated at e, so as to bear against the surface of adjacent disks D. The blades E are held in this machine in the same manner as in the earlier machine above referred to, being set within a recess formed between the attaching flanges of the upper and lower sections of the casing, and being locked in place by means of a rib, a<sup>2</sup>, engaging transverse notches in the blades, the blades being spaced apart by the introduction of suitable blocks e'.

The screen consists of the two slotted plates G H, the former being the inner one. being in fixed relation with the bottom a of the casing, and the outer one being adapted to slide upon its companion, and being held in frictional contact therewith by means of the curved bars J, pivoted at j to one side of the bottom a of the casing and secured by means of bolts j' to the other side thereof, the outer ends of the bars J being united by means of the plates J'. The inner faces of the bars of the screen G are beveled, so as to present an inclined face to the pulp as it is carried forward by the action of the beaters, so that the inner face of the screen presents the appearance of a series of grooves having an abrupt and an inclined wall, thereby forming an abutment over which the pulp is precipitated. and preventing slivers of wood from being driven into the interstices of the screen. and allowing any particles which may seek lodgement therein to be quickly washed out by the agitation of the material.

The adjustment of the screen, as in the By this means the pulp is returned, of the casing B is open, serving as the a rock shaft, k, journaled within the bars to carry it to their outer ends. A casing, I, and having fingers.  $k^2$ , engaging suitable B, of less length than the casing A, is susockets in the bands k<sup>a</sup>, secured to the outer perimposed upon the latter and is secured

The casing A extends upwardly above bolts  $B^a$  at the other side. Within the case disks, are keyed upon the shaft. The disks the beaters, so as to form a suitable cham- ing B the top of the casing A is apertured

wall of the casing along which the pulp is thus discharged is curved inwardly at its upper end, as indicated at a', so that the pulp is thrown forwardly and descends from the side wall of the casing A to perupon the beaters by the action of gravity. | mit the entry of fresh material. The top



WOOD-PULP-MAKING MACHINE

case of an earlier machine, is accomplished to the inner portions of the beaters, mouth of a hopper, which consists in part by means of a crank handle, K, fixed upon the centrifugal action tending at all times of the walls of the casing and in part of a thereto by the hinge B' at one side and by

swinging plate, b, pivoted within the casing and supported by a screw-threaded rod, b', projecting through the casing wall, and ng provided with a hand wheel. Be-

extends from one side of this aperture

obliquely downwardly, so as to receive the

impact of the pulp, then upwardly from the

beaters, and terminates a sufficient distance

D are so set upon the shaft that the beater ber into which the pulp is discharged from to receive the material, and an apron, L, cylinder, M, carrying the cutting blades m m. The wood to be operated upon is introduced into the hopper in the form of blocks X, which fall upon the face of the cylinder M, so that the cutting blades gradually reduce them by chipping, the chips being carried downwardly and delivered into the reducing chamber. A horizontal pipe, l, extends longitudinally through the casing immediatedly below the cylinder M, and is provided throughout its length with small discharge apertures, by which means a suitable quantity of water may be delivered to the machine with the chips. The cylinder M is driven from the

shaft C by means of a belt, O, upon suitable pulleys upon this shaft and the shaft of the cylinder. A belt tightener in the form of an idle pulley, P, co-operates with the belt, being suitably journaled in the arms p p, projecting from a sleeve, Q, mounted upon a shaft, g. secured in brackets attached to one of the sides of the cas-The sleeve Q is controlled by a ing A. handle bar, R, and is locked in an advanced position by means of a ratchet wheel, r, and a pawl, S. By this means a loose belt may be employed, so that when desired the cutting cylinder M may be stopped without interfering with the action of the beaters, so that if the chips are fed to the pulverizer too rapidly the clogging of the machine may be prevented.

The upper edges of the blades E are inclined, as shown in Fig. 2, downwardly from the wall of the casing, so that by impact of the chips upon these blades they are thrown toward the centre of the beater cylinder and prevented while in this larger form from being thrown directly against the screen. After the material has become finely subdivided, this inclined form of the upper edge of the blades ceases in great measure to divert them to the centre, so that the effect of thus forming the plate is measurably to assort the coarser from the finer material, leaving the latter free to seek by the centrifugal action to escape through the screen. Near their inner ends the top edges of the blades are given an upward inclination, so as to prevent the material from being carried too far to the centre and into the space between the disks D

The plate b, forming one of the walls of the hopper, is mounted upon a pivot, as en the mouth of the hopper thus formed shown, so that the capacity of the hopper the apron L is journaled a horizontal may be varied to adapt the machine to the

# PULP GRINDERS ARE SUBJECT TO THAT LAW OF EVOLUTION, THE SURVIVAL OF THE FITTEST."

<text> top pocket; the arrangement being such that when the feed pressure was transferred from one pocket to another the second pocket was always brought into action be-fore the first pocket was released, thus inwork, a feature possessed by no other pulp grinder. The machine has been modified and improved from time to time, during the and improved from time to time, during the past nine years, fourteen times, developing in 1896 into a machine as shown in the cut below, retaining all the desirable features and remedying every known defect. The machine represented below is now offered on the market, greatly strengthened in all the working parts, to take stone ba-inches diameter, to grind 24-inch wood, weighs 9 tons and embodies the following points: The prodets can be conveniently points : points: The pockets can be conveniently adjusted and kept within 1-100 of an inch of the stone, SO THAT NO SLIVERS CAN BE MADE. The follower is always moved with the cylinder and works up close to the stone at all times, but cannot touch



it. Has brass-lined hydraulic cylinders, brass valves and stuffing boxes, steel piston rods, hammered shafts from 6½ inches to 8½ inches diameter, according to power used, can wear stone down to 40 inches diameter, and can take in wood 18 inches diameter without splitting. Can operate without throwing a drop of water or pulp out of the machine.

machine. Can furnish machines, two-pocket or three-pocket, to grind wood 16 inches, 30 inches, 34 inches, or 38 inches long, at prices ranging from \$400.00 to \$700.00, using hydraulic cylinders ranging from 8-inch to 16-inch diameter, according to power used. They are simplest, most conveniently accessible in all parts, most easily and cheaply operated, of any grinder on the market. The pockets being larger than on any other machine, can use more power and make a greater product. About 500 of these machines have been built, which are used in about 100 mills, a number greater than that of any other grinder in the world. As forumes are confusing. I make the fal-

As figures are confusing, I make the fol-lowing offers in plain English : Will sell a heavy two-pocket grinder for \$550.00, guaranteed to make more pulp of good quality with greater economy of power and at less cost for operating ex-penses than can be done by any other ma-chine on the market. chine on the market.

Will sell three-pocket machine with the above guaranty, adding a stipulation to make a greater aggregate production, using any power from 100 horse up to the maxi-mum which a pulp grindstone can safely stand

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Beat Boild Cale Cylin Cutt Dryce Jord Fifty Pum Plate Reel Steree Stean C P Steve Waal Sturt One 6 One 6

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Will furnish grinders to be run in a competitive test of from 15 to 80 days, with any other grinder on the market, under the above warranty.
Will furnish complete outfit of pulp machinery, all of the best, including grinders, screens, wet machines, hydraulic pump, stuff and water pumps. wood-preparing machinery, log haul, shafting and pulleys, all guaranteed to make 10 tons of air-dry pulp in 84 hours, of spruce wood suitable for good news paper, at a cost not exceeding \$2.00 per ton, for \$5,000.00, or will furnish outfits for larger mills at prices in proportion. No Pay Required Until You Get All You

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POSITION AS SUPERINTENDENT OR FORE-man on news, book or manillas; all colors; large practical experience. Address PRACTICAL, care Paper Trade Journal.

WANTED-SODA-PULP MACHINE CAPAble of putting through 15 tons in 24 hours. With dryers complete. Also second-hand Paper Machine from 72 inches upward. Address ROYAL PAPER MILLS CO., East Angus, P. Q., stating size of machine, number of dryers and price.

S MART LONDON AGENT WITH FIRST-CLASS NJ connections and long experience wishes to represent American mill: news, printings and writ-ings. Apply X., care MORRIS, 1 Mitre Coart, Fleet Street, London.

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300 tons prime jute baggings, 200 tons colored cottons, and 50 tons white linens. Best German packings. For particulars address D. B., care of the Paper Trade

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FOR SALE-AT A SACRIFICE, PAPER-MILL machinery. The entire paper-mill machinery, in first-class order, contained in our mill will be sold

cheap or leased with the property. D. W. SIMONS,

Detroit, Mich

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One gun-metal Couch Boll, 20x120 inches. One 95-inch Fourdrinier part for 40-foot wire. Eight Doctors complete for 90-inch face calender One ecamiess Drysr, new, 48x90 inches. All in first-class condition.

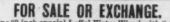
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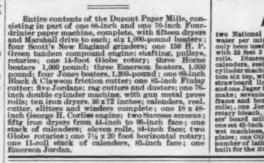
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aper and Pulp

Machinery.

water per hindroken six monue, only been used about six monue, with 33 feet 3 inch wire, with gun metal couch man rolls. Dimension of dryers 36 inches, with ous stack of calenders, rest sitters and Manning winder; case 44-inch cylinder machine: three molds, thirdeen dryers, seven boi-tom six top, with reel and calenders, just right for making strawboard lining paper; use strawboard mill complete and one Jager liner; filters dryers biss%, Black 4 Clawson' and one Jager liner; inter dryers biss%, Black 4 Clawson' in a strawboard mill complete and one Jager liner; inter dryers biss%, Black 4 Clawson' inter biss and one lager liner; inter a strawboard mill complete and one Jager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill complete and one lager liner; inter the strawboard mill one strawboard and the strawboard mill one strawboard mill one strawboard mill one strawboard and the strawboard mill one strawboard mill one strawboard mill one strawboard and the strawboard mill one strawbo fers, iwo besting and engines, three Kingsland engines, including one hydraulic press, ders 18 inches in diameter; two a 44 inch, and 120 Mew Haven a shapers and one planet, also no shapers and one planet, also and iso bares power.

of Checks, Drafts, &o.

has nover been successfully altered since its introduction it) 1875.

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JAMES GASKELL,

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DEALER IN

Paper Mill Machinery and Mill

Property,



Revolving Paper Cutters,

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Fan and Stuff Pumps,

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#### DESCRIPTION.

BUILDINGS. This mill, erected in 1882, is constructed entirely of brick and stone with slate roof. There are six frame dwelling houses, containing eight tenements, two commo-dious storehouses, one large barn, one machine shop, one blacksmith shop, coal sheds, etc.

MACHINERY. One Smith & Winchester 72-inch four cylinder machine, with surteen 36-inch dryers, and one eleven and one six roll stack of calenders; one 1,200, three 800 pound beating engines and two Jordan refining engines; one 7 x 16 feet rotary boiler, one rag cutter and duster, one 80 horse power Fitchburg horizontal steam engine, one con-denser, one 25 horse power upright steam engine, three 75 horse power horizontal steam boilers, one 12 horse power upright steam engine, three 75 horse power horizontal steam ary scales, two portable scales, one Crocker rotary fire pump, automatic sprinklers, fire hose, hydrants, etc.; steam heating; one Herring Champion Safe, large size; lamps, beit-ing, trucks, office furniture, etc.; machine shop contains upright power drill, planer, full set of small tools, 10 horse power upright steam engine, due ded to the steam Deck ESTATE Firster and and the steam engine, due ded to the steam.

REAL ESTATE. Eighty acres of meadow and wood land, including two mill privileges at outlet of Lake Quassapaug.

WATER POWER. Mill is run by four 15-inch National water wheels under 94 feet head. Lake Quassapaug, located five miles above mill, is the source of water sup-ply. It covers an area of 274 acres and contains 2,600,000,000 gallons of water. The priv-leges at the outlet of this beautiful lake are owned absolutely by this mill property, thereby controlling its waters. Eight Mile Brook connects this lake with mill pond five miles below. This brook drains a large watershed. The **quantity** and **quality** of this water supply are **unsurnassed**. water supply are unsurpassed.

Mill is in complete running order. Location for freight will compare favorably with any mill in New England.

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THE PEOPLE OF THE STATE OF NEW YORK THE GLOBE PAPER AND FIBRE COMPANY. In pursuance and by virtue of an order of the Supreme Court duly made at a Special Term thereof held at the Court House in the City of Watertown, N. Y., Octor # 27, 1897, and entered in Jefferson County Clerk's office on the same day, i the undersigned, receiver at Jl the property and effects of the said Globe Paper and Fibre Company, will sell at public anction at the law offices of Purcell, Walker & Burns, 15 Washington 8t, Watertown, N. Y., on the 20th day of November, 1897, st ten o'clock in the foremoon of that day, four letters patent of the United States of America, numbered respectively 517,850, 517,851, 517,852 and 286,822, the first three of which were issued to Charles Efficience, of Watertown, N. Y., and beam date April 10, 1894, and were respectively for improvements in "lagging for boilers and vipe," "fire-proof sheathing," "coverings for pipes and boilers," and the fourth of which was issued to Johensum, M. Hammill, bearing date October 16, 1888, for improvement in "non-conducting compounds." Said patents will be sold for cash. Dated October 27, 1807. PUENCELL, WALKER & BURNS, Attorneys for Receiver. 15 Washington 8t., Watertown, N. Y.

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Rag Cutters, Engine Roll Bars.

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rs: One Umpheraton; one 1500 Iron Side Holland and any others. rs: Six 6 ft. x 17 ft.; four 5 ft. x 16 ft.; five 4 ft. x 16 ft. aders: Two stacks 66 inch; one 6 70 iboard. der Moulda: One 80 a ff. newly covered. rs: To soften 5 Stevens; one 72 inch black & Claw-rs: Four 85 x 62. rs: Four 85 x 62. rs: Four 85 x 63. rs: These Corliss, double power, 6-inch plungers; one eam boiler feed, 14 suction; six 6-inch stuff pumps. One 80-inch wood and steel. One 80-inch 5 roll revolving; one 67-inch 12 roll re-black. Water and Steam Power; stone dam with 26 feet fall. Brick Mill in good condition. Main Building, 30x80, three and one-half stories high, shingled roof. Machine Room, 20x80, slate roof and basement. Steam Engine Room, 16x28, graveled roof. Boiler House, 15x28, slate roof. Chemical Room, 16x28, graveled roof. Also three tenements, not in the best con-dition; one tenement in good condition, and in-cluding about one acre of land. lving. Plates: Eight 12 ± 40. Engines: One 14 x 40 Geo. Corliss; one 16 x 48 Geo. rilss; one 28 x 48; one 36 x 60; one 14 x 14 Upright

Corlins; one 18 x 48; one 20 x 00; Putnam. Stevens Digestor: One. Washers: Seven cylinder washers. Sturtevant Blowers: Two No. 5. One 68-inch Double Cylinder Machine Con

EMERSON MANUFACTURING CO., Lawrence, Mass.

FOR SALE OR RENT. Steam and water power, near New York; 6,000 lbs. daily; good order; now running. Barnard, Receiver offer the following property at private sale till the first day of De-cember, 1897. Sale subject to the approval of the court.

# **Description of Property.** Paper Mill known as THE FRANKLIN PAPER MILL; also as THE AMERICAN COPYING PAPER COMPANY. Mill property consists of four acres of land, more or less, located in the town of Suffield, Conn., on what is known as Stony Brook, two and one-half miles from Windsor Locks, one and one-fourth miles from Wood's Station on N.Y., N. H. and H. R. R. Water and Steam Power; stone dam with 96 feet fail.

#### **Description of Machinery**.

One Corliss Steam Engine, nearly new, 125

One Corliss Steam Engine, nearly new, 125 horse power. One Buckers Steam Engine, 40 horse power. Two Steam Boilers of 60 horse power ach. One Leftel Water Wheel set in iron case. Shafting all put in three years ago, all in good condition. Two Stuff Chests, nearly new. One Fourdrinier Macuine, 62 inch. 30 foot wire, made by Rice, Barton & Pales; Seven 96 inch Dryers; Stack of chilled calenders. One Marshall Refining Engine. Two 300 h. Beating Engine. One 600-lb, Washing Engine. One Rag Cutter. One Batinch under-cut Cutter. All Beited: MILL READY TO START WITH All Belted; MILL READY TO START WITH

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#### Should the material be hard and require a longer time for reduction, it is obvious that the feed should be slower, and this is secured by advancing the plate b, so as to contract the throat of the hopper, and thereby reduce the number of blocks in contact with the cutting blades, and consequently the quantity of chips delivered to the pulverizing chamber. When wood is used which is more readily reduced, the plate b may be moved backwardly, permitting a greater number of blocks to come into contact with the blades, and thus increasing the quantity of chips produced.

#### WHY THE PLANT WENT DOWN.

[WRITTEN FOR THE PAPER TRADE JOURNAL.]

#### BY JAMES F. HOBART, M. E.

I have just been looking over a plant which is on the road to obscurity. Only a few years ago the concern was prosperous and doing a large business. To-day it is existing, soon it will be of the past. Several lessons are to be learned from the condition of affairs and things in and around this mill. The first thing which strikes the observer is the extreme air of dilapidation. Everything seems to be "hung by one hinge." The buildings are out of repair, the machinery, if not worn out, is fast becoming junk. Directly, this state of affairs is traceable to a cramped state of the finances. Every energy has been strained to the utmost, in the hope of making enough out of the mill to put it in its former prosperous condition. The attempt has been a failure, and the immediate result is a state of things worse than before the trial was made.

Tracing the matter backwards, the "earmarks of cause" are plainly visible to one familiar with the ways of mills and mill owners. The fundamental cause was the establishment of a rival concern, or a number of them, each making an article a little better adapted for the purpose than was turned out by the mill we are discussing. This enabled the rival concerns at once to set the pace, and the price as well. The materials used by the rival concerns were easily manufactured, while the material used by the other party was of a nature antagonistic to the forms into which it had to be manufactured. This gave the rival concerns the inner track at once, and they were good jockeys enough to keep the pole after they had got it.

Another cause leading to the downfall or decay of the concern was the management of the factories. To begin with, they were in direct charge of an assistant superintendent who was perfectly capable of successfully managing the entire plant, if he had been let alone in his work. But that was not the case. The superintendent had to have his say, by all means. That is what he was supposed to be there for, while really he represented some money that was invested in the company and had to be put somewhere to get rid of him. He was a man who imagined himself to be a great mechanic, an engineer in fact, who

character of material being operated upon. tistic in his ideas, but they were devoid of the simplest rules of mechanics, not even to mention those of engineering. In fact, he knew just enough to be a dangerous man for a manufacturing concern to have in power over property, and manufacturing property at that.

He was prolific in ideas and suggestions, and if the ideas bore worthlessness upon their face they would be presented to those under him, to be worked out and put in practice. If rejected by those to whom they were presented there was trouble from that cause, and if in self-defence the ideas were carried out and made to prove their lack of value, then the man who put them through was condemned for not seeing their worthlessness and rejecting them before time and money had been spent on putting them in practice.

A correct transcript of the cause of decay

of this concern demands the truth to be stated, that other concerns may avoid shipwreck on the same rocks. To this end it is necessary to reveal the fact that the superintendent had occasional periods of mental irresponsibility, when his orders would be very urgent and emphatic, and the next day the work would be countermanded, with total unconviction of ever having issued any such orders, and a total repudiation of ever having done so.

This course naturally led to a great deal of useless-yes, much worse than uselesswork being done in the factory and thousands of dollars annually wasted in carrying out whims and commencing things which were never finished.

In addition to all this handicap matter, the factories were under the disadvantage of too much office interference. Every few weeks somebody would come down to "straighten out" some department of the works. Sometimes it was the secretary, another time the treasurer, who came down, and spent a few hundred dollars in turning things upside down, and undoing what the last man from the office had accom plished. Another time, a clerk or a salesman, would try his hand at revolutionizing the manufacture of a particular kind of paper, or at getting a peculiar tint, or at changing over the machine to suit some idea he had picked up and seductively presented to the owners. All this cost lots of money, and the profits had to pay it. When they refused there was a great hurrah, and omething had to be done right away.

Then the "boss in chief" took a hand Peremptory orders would be issued to "reduce expenses at once." The only way it could be done, within the power of the assistant superintendent, was to reduce the pay roll. As none of the operatives could be spared, the manufacturing having to be carried on at any cost, the repair force must necessarily stand the brunt of the order. Time after time, upon the reception of the intermittent order to "reduce expenses," the entire force of repair mechan-ics would be "laid off." This, of course, put an end to all improvement in the plant. It also effectually stopped even the keeping of the machinery in condition to do good work. The instant the repair men were laid off, the factory and all within it continued to deteriorate unchecked.

The course of these spasmodic retrench-

few days something had to be fixed, orders or no orders, and a few of the mechanics were set to work again. In a few more days some more of them were back, and before the end of the month-these chronic attacks usually came just after the monthly balance sheet had been laid before the company-most of the men would be back again, only to take another enforced vacation at the beginning of the next month or the one after it.

This was the pace which told upon the downward course of the factory. When the men came back they could not commence where they left off. No. Other things had happened since that work was commenced, and the new always took precedence over the old in that establishment Thus the needed work that was well commenced and was actually necessary for the maintenance of the factory was never finished. Much of the new work was left in the same way whenever the call for "less expense" decimated the working force in the repair shop.

The natural result of such a course can only lead to the making of temporary repairs of the quickest possible kind. As a result the entire plant becomes so badly run down in the course of a year or two that rebuilding, and, perhaps, a good deal of new machinery, is the only way of making it a profitable property again.

Another thing this concern suffered from, and that was "over management." The "company" consisted of the heads of several separate concerns in the same, or similar lines of manufacture. The several concerns had been consolidated, and, of course, the head of each had to have a position of interest and responsibility in the new concern. The result was that the several heads of the consolidated concerns were made president, vice-president, secretary, treasurer, etc., of the new organization, with results that I believe to have been far from harmonious or profitable.

Theoretically, the scheme seems just right. There are the heads of several manufacturing concerns, all experienced in manufacturing various kinds of paper; where can a better collection of men be found to form the officers of a large company to make all kinds of paper? Practically, it didn't seem to work that way. The reason may not be hard to find. Each and every one of the new officers had been taught to command, but not to obey. What so natural as to expect that they each should wish to keep on commanding after the change? Who would expect them to obey? If any obeying had to be done let some other man do it. This very readily explains why the various officers, one after the other, should take turns at "regulating things" at the factory. And anyone cau see the results of such a policy, or lack of policy, that exists all through this concern. The competitors, as stated, already fix the prices. In a short time they will also make all the goods.

#### EXPORTS FROM NEW YORK.

#### (Continued from page 877.)

Cards under this heading will be charged for at the rate of \$15 per annum for each card of three lines or less. Each additional line \$5. bdls.; Brazil, 82 bs., 5 bbls., 2 cs.; British Africa, bs.; British Australasia, 1 bl.; British West In dies, 5 bs.; Danish West Indies, 1 bl.; Dutch West Indies, 5 bs.; Danish west Indies, 1 bl.; Dutch west Indies, 6 bs.; San Domingo, a bs.; Uruguay, 1,000 bs.; Venezuela, at bs. Totals-5,840 bs., \$18,678; PRIDE, CHAS. B., Mill Architect and Hydraulic Engineer. Specialties: Paper and Pulp Mills, Appleton, Wis. 500 bdls., \$1,400; 2 cs., \$136; 5 bbls., \$135. WALL PAPER, to British West Indies, 1 cs.;

Mexico, 13 bs.; Venezuela, 2 cs. Totals-3 cs., \$192; 13 bs., \$165. WASTE, bales, to Antwerp, 4; Central Ameri-

ca, 2; San Domingo, 4; United States of Colom-bia, 5. Totals-15 bs., \$476. WOOD PULP, rolls, to Antwerp, 1,056; Havre,

194. Totals-1,450 rls., \$3,875. WOOD PULP MACHINERY, cases, to Liver-

001, 21, \$3,835. Total exports for the week, \$6,691,863.

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Paper Mill Sold. The entire property of the Sheffield Paper Company, Saugerties, N. Y., was sold at auction under foreclosure at the Palmer House, in that village, by Referee Benja-

min M. Coon, October 25. The sale was under a second mortgage, upon which there was due for principal, interests and costs about \$125,000. The first mortgages amount to about \$50,000. There was a very large attendance at the sale. Colonel A. G. Paine, president of the New York and Pennslyvania Company, bid \$25,000; the next bid was \$40,000, and at that sum the property was struck off to Mrs. Agnes R. Sheffield, the trustee for the bondholders under the foreclosed mortgage. The sale includes the big paper mills, the buildings occupied by the Saugerties Manufacturing Company, and several other buildings and lots, together with a large quantity of paper making machinery. It is not yet known what will be done with the property, or whether the paper mills will be op-

erated at all for the present.

Figures are being furnished for paper nill machinery, with complete power plant to run it. The inquiry comes from a Russian city. As similar orders have recently been filled in this market in competition with Germany, the parties having the business in hand feel almost positive of securing the order. Last shipment of paper mill machinery for Abo, Finland, Russia, which was made a few days ago, amount-



