

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

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NEW YORK, SEPTEMBER 29, 1877.

WHOLE NUMBER 178.

Trade Topics.

United States Patent Office.

HENRY VOELTER.-Extensio

IN THE MATTER OF THE APPLICATION OF HENRY VOEL-OR EXTENSION OF LETTERS PATENT OF REISSUE No. 4,418, FUR "IMPROVEMENT IN REDUCING WOOD TO PAPER PULP."-DECIDED AUGUST 22, 1877.]

Reissue of Letters Patents No. 4418, granted Henry Voelter June 6, 1871, for improvement in reducing wood to paper pulp, declared valid in view of the state of the art with the exception of the third claim. In an application for extension sufficiency of re-muneration is a matter of fact, and not one upon which the indement of the Commissioners be in-

which the judgment of the Commissioner can be in-formed by expert testimony. SPEAR, Commissioner.—This case comes before the Commissioner by act of Congress approved March 3, 1877, which authorizes the Commis-

sioner of Patents: To hear and determine the application of Henry Voelter for the extension for the further term of seven years of the letters patent for "improvement in reducing wood to paper pulp." granted to him August 10, 1858, antedated August 29, 1856, extended for seven years from August 29, 1870, and reissued upon an amended specification June 6, 1871; the form of such application, and the mode of proceeding under it to be in all respects the same as was pro-vided by the act of Congress approved July 8, 1870, entitled an act to revise, consolidate, and amend the statutes relating to patents and copyrights for the extension of patents granted prior to March 2, 1861; and if upon such hearing the Commissioner shall be satisfied that the said Henry Voelter, without neglect or fault on his part, has failed to obtain from the use or sale of his invention or discovery a reasonable re-muneration for the time, ingenuity, and expense bemuneration for the time, ingenuity, and expense be-stowed upon it, and the introduction of it into use, and that it is just and proper, having due regard to the public internet, that the term of the patent should be so extended, the Commissioner shall make a ose-tificate upon said reissue patent renewing and ex-tending the same to said Henry Voelter, his execu-tors, administrators, or assigns, for the term of seven years from the 39th of August. 1877, which certificate shall be recorded in the Patent Office, and thereupon the said patent shall have the same effect in law as though it had been originally granted for twentythough it had been originally granted for twenty eight years. In accordance with this act, and with other

provisions of acts of Congress relating to the ex-tension of patents, application has been made in due form and is now before me, together with the testimony taken on behalf of applicant and of remonstrants.

Upon the question of novelty, so far as relates to the essential points of the invention, there have been repeated adjudications in the Office and one in the Circuit Court. (Miller vs. Androeoggin Pulp Company, 1 Official Gazette, p. 409.) No question has been raised upon this applica-

tion for a second extension affecting in any way the validity of the claim in respect to the novelty of the process, or for what may be called the vital principle of the machine.

The examiner criticises justly, as I think, the third claim, in view of certain patents cited by him in his report, and this claim, as I understand, applicant is willing to disclaim. The other claims for details of the invention are of subordinate importance.

I have examined the cases cited as tending to show lack of novelty in these combinations, and am satisfied that no valid objection has been brought forward against the claims.

I have referred more particularly to the claims for subordinate matters in the patent, because the patent has been reissued since the former extension, and it does not appear that all the references which have been cited upon these subordite claims were before the court. As to the

lic is in proportion as it lessens the cost of the article of paper. Upon this point the evidence shows that the cost of the wood pulp for paper is reduced to two and one-half or three cents per pound. The price of rag-pulp of corresponding grade is six cents per pound, and that of chemically-made wood pulp seven cents per pound. It appears, then, that the seventy-five thousand tons of Voelter pulp made during the past years three cents per pound would cost the public \$4,500,000. The seventy-five thousand tons of rag pulp which it has replaced would have cost at six cents per pound \$9,000,000. The saving to the public, then, during the past seven years has been \$4,500,000, and the evidence shows that this saving has not been effected by the use of an inferior paper, but that the wood pulp, as applied in the manufacture of paper and mixed with other pulp, produces paper as good at least, for the purpose for which it is intended, as paper made wholly from the rag-pulp.

It is fair, also, to take into account, consider-ing the question of saving to the public, that a large proportion of the rags used in the manu-facture of paper prior to this invention was im-

ported from abroad. It is also shown by the evidence that the effect of the introduction of this invention has been to force down the price of rag-pulp. The price of rag-pulp before the introduction of wood-pu p made by the Voelter process, or about the time of its introduction. was ten cents per pound. How much the reduction from ten eents to six cents per pound is due to the influ-ence at the Voltar process, and how much to the general decline in prices, not been set forth in the testimony, or in the statement of applicant, and perhaps would be impossible to de termine; but the opinion of the witnesses is, that as the demand for paper has been constantly increasing and the supply of rags is, from the nature of the article. limited, the reduction has been wholly, or very | upon capital invested. The distrust on the part | that of fourteen, special acts of Congress have

largely due to the introduction of the Voelter

It is represented that the importation of news paper of such grades as the Voelter pulp is worked into has now entirely ceased. There is also evidence that newspaper formed in part of the Voelter pulp is, in any form, as good as all rag paper, and that for the more recently invented rapid web printing press it is better adapted, by reason of its more readily absorbing the ink.

The novelty of the invention, the value and importance to the public having been established, it remains to consider whether or not the inventor has received reasonable remuneration for his time, labor and expense for perfecting the invention and introducing it into use: and, further. whether the extension of the patent can be granted with due regard to the public interest. The question of remuneration will be deter-

mined partly by reference to the finding of the ioner in the former extension. It ap-Commi peared then that the inventor, so far from receiving any profit by reason of the invention, had incurred very heavy loss. Upon the show ing now made a balance is still very largely against him, the amount which he had received during the extended term not having yet remunerated him for the actual amount expended upon the invention. During the last seven years the iness of introducing the invention, and supplying the public with the product thereof, ha been in the hands of Voelter's assignees. By the terms of the contract Voelter was to receive \$6,000 per year for the invention, the same arent continuing for the term at present applied for, and the assignees were to have the ole control and sole responsibility and risk in the prosecution of the manufacture under the patent. Of the \$6,000 per year, Voelter (residing abroad), has paid Frang, his agent, who ne-gotiated for him originally the sale of the invention in this country, a commission of 25 per cent. He also made a deduction of some \$10,000 in favor of the assignees on account of the large outlay which they were compelled to make in establishing the manufactory and bringing the invention into use, and because of the small profit accruing therefrom, so that the total amount re ceived by him during the past seven years has been only about \$20,000. This, as I have before intimated, was not sufficient to balance the account, as is shown in the application for the first extension, and as appears now, so that Vo-elter appears rather to have lost than gained by

reason of the invention. Whether or not the but must be based solely upon facts. The main reliance, at the hearing, in opposition to the ex-tension. apart from some matter already disamount received from the invention could have been increased by any increase of effort or dilicussed, was the fact of the expiration of foreign gence on the part of Voelter is, upon the record before me, very easy to determine. patents and the law relating to the limitation of the life of the American patent by the foreign

The question of diligence up to the time of the former extension was settled by the Commission patent first to expire. This does not appear to er at that time. If the question were open I see no reason to change the finding of the Commis-sioner, and nothing has been introduced since of Miller vs. Androscoggin Pulp Co., referred to above, and is not in accordance with the view which adds any new element to the problem. The introduction of the invention required

reat exertion, familiarity with the business of the country in this particular line, and a very large outlay of capital. It could be carried on onl, by organized companies, and by them only at the risk of loss upon the capital invested. It does not appear that Voelter could have made any terms better than those which he did make at that time, and the result has shown that he could not by any personal effort of his own have accomplished more.

One of the witnesses, largely interested in the

founders of the Government, and that followed by the law making power since the adoption of manufacture of pulp under this patent, testifies that his profits have been only about 5 per cent. of an invention to the public. It proposed, further, to confer this reward by giving the excluclosure of it, so that at the expiration of the term full benefit of it would inure to the public. Following that principle the act of 1832, and more fully the act of 1836, provided that where the

Dec., 1870, p. 163.)

other term appears likely only to establish on a firm and large basis this useful manufacture, to bring the product, as far as it is applicable, into increased use, and to leave it in the possession of the public at the expiration of the patent, as thoroughly introduced, known, and tested, as the old material which it has supplanted or is now supplanting.

I am satisfied, therefore, that the invention is new and of great utility, and that it is of exceedingly great value and importance to this con try, abounding as it does in the material from which the pulp is made, and lacking in that for which the pulp is a substitute. I am satisfied, further, that the inventor has

not been properly remunerated for the time, labor, and expense bestowed upon his invention and the introduction of it; and that this failure has not been through any fault or neglect on his part. Further, I am satisfied that the extension of the patent imposes no other conditions on the public than the original grant, and does not injure the public interests, and that I am carrying out the spirit and intent of the law, liberal alike to citizens and aliens, in extending the patent. The extension will be granted on the filing of

a disclaimer to the third claim.

The Patent Cone Washer.

The illustration on this page shows the Patent Cone Washer, as seen in an engine-one in working position, and the other raised out

This machine was patented in March, 1877, of which notice was given in the list of patents in this paper. It has since been thoroughly tested in the washing of different kinds of paper stock.

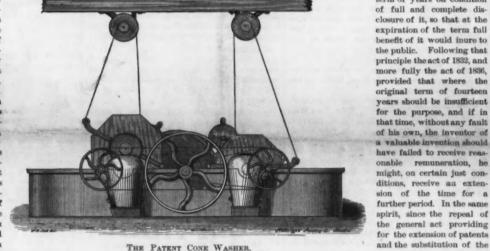
The advantages claimed are in the shape of the bucket and a stationary ense through which the water is discharged in a solid, unbroken stream, into a cast iron sport east in one piece, made in connection with the boxes for pinion shaft and drip for pinion gear, all of which are bolted to the side of the engine, making a very nest and compact arrangement. The washer is easily raised from the engine, as

ditions, receive an exten-sion of the time for a shown in the cut, being carried towards the centre, and out of the way in emptying. spirit, since the repeal of the general act providing

For washing rags but one to an engine is required, as it is said to discharge three times the amount of the "Phelps," so long in use, and twice the quantity on papers, doing the work better, as the ink is not ground into the stock.

The fast washing of stock, when first furnished, is very important in obtaining a good result as well as in saving time, which is now as fully demonstrated as it was the day the trade graduated from the old curb to the cylinder washers. The patentee is J. T. Emerson, of Claremont, N. H. His advertisement is elsewhere.

----The ingenuity of chemists has extended analysis of late years to the discovery of the proxi-mate principles of concentrated alkalies of most of the powerful products of the vegetable world, and the results are important and interesting. They display most of the usual properties of potash and soda, and possess the powers of the substance whence they are derived in a tenth, twentieth or fortieth of the original bulk. In their medical use they arrive at once at the opertheir metrical use used and recombine as we think proper. We thus get morphine from opium, quinine from yellow bark, cinchona from red bark, strychnia from nux vomica, prussie acid from bitter almond rinds, veratria from hellebore and colchicum, gentia from gentian root, cathartine from senna, emila from ipecacuanha, pipera from black pepper, atropia from



THE PATENT CONE WASHER

of the paper manufacturers of new and untried material-a distrust increased by failures of other experiments-was such that pulp manufacturers, after building pulp mills having the Voelter ma chines, were compelled to add to those manufac others for the purpose of working this tories pulp into paper, thus adding to one distinct isiness, requiring a very large outlay, another equally distinct requiring another large outlay. So that, even if Voelter stood in relation to this extension exactly in the place of his assignees, or if his assignees were required, as they are not, to give an account of their profit and loss

the result would be precisely the same. The undertaking to introduce into general use such an invention is manifestly very great. It involved, to some extent, the reorganization of great industry. The invention did not conemplate simply the manufacture of a finished article to be put upon the market ready for sale. disclosing its qualities and its merits to the view of the purchaser, as in most cases. It was rather a manufacture for manufacturers-a manufacture of raw material, so to speak. It was to be offered to manufacturers whose business would not bear experimenting, whose reputation as business men depended very largely upon the reliabilty of their manufacture; and, added to their natural reluctance to accept new and un-tried material to be put into their paper, the failure of which in the using might cause serious disaster and embarrassment to the purchasers of it, was the fact, heretofore referred to of former experiment and former failure in attempts to supply cheaper materials for this purpose In opposition to the extension of this patent. the remonstrants subjected the witnesses pro duced on behalf of applicant to cross-examina tion, produced evidence on their own behalf, and presented arguments at the hearing. I have carefully read all the evidence in

the constitution, in relation to new and useful inventions is very simple and plain. It was to encourage and promote the progress of the use-ful arts. To this end it proposed to reward meritorious inventors, not simply for the making of an invention, but for the making and giving sive use of the invention for a term of years on condition of full and complete dis-

original term of fourtee

vears should be insufficient

a valuable invention should

onable remuneration, he

might, on certain just con-

further period. In the same

term of seventeen years for

permitted special extensions, in order to carry

out the policy of the Government underlying

the whole patent system; and the vital principle

which animates the whole is, that he who has

conferred a meritorious invention upon the pub-

In order that inventors may be really and sub-

tantially rewarded, in some measure, in propor-

tion to the benefits conferred, and thus others be

stimulated in like efforts, the Government en-

deavors to keep faith with inventors, and, as far

as possible consistent with the public interest,

may be necessary to reap a reward for their

In the original grant of patents the question of

public policy does not ordinarily arise. The in-

vention being new the public is in no way embar-rassed by the grant of the monopoly, because it

can accept or refuse the new invention, accord-

the invention had been allowed to go into public use for a long time prior to the grant of the pa-

case of the extension of a patent, there is simply

tent, and for this the law expressly provides.

No hardship could occur unless

them a monopoly of such length of time as

lic shall, if possible, be rewarded.

give

labor and ezpense.

ing to pleasure.

have been relied upon by the defense in the case

held by the office. (Apperly & Clissold, Com.

The relation of the extension of this patent to

the public interests of the country is a matter

not so easy to determine. The policy of the

value and importance of the invention there can be no question. In his decision granting the former extension of this patent the Commis states that Voelter was shown, by the evidence before him, to have been "the first to develop a accessful machine for the production of paper pulp by the mechanical reduction of wood fibre,' ad that "the real value of the invention was to be estimated by millions."

There is nothing in the evidence now before me tending to show that the value of the invention was then over estimated. It appears less than six thousand tons of paper pulp had been manufactured in this country by the Voelter machines prior to 1870; that during the last seven years the capacity of these machines has been increased to correspond to the increased call for that product, and that they have ed seventy-five thousand tons of pulp in the period last stated. It is shown, also, that the daily production is now about sixty tons, which is nearly double the average daily product of the last seven years. This increase in the manufacture is one element of the importance of the invention and one indication of its value. Another element, however, of the value of the invention and of its importance to the public is to be found in the decreased cost of the article produced, for the benefit conferred upon the pub-

case, and do not find that the testimony of the witnesses on direct examination is materially weakened by the cross-examination.

The statements made by counsel for Voelter at the hearing were amply sustained by the evidence. The testimony taken on behalf of the remonstrants is confined to that of experts, who stify mainly upon two points: First, against the patentability of the invention of Voelter; and, second, that he has already been sufficiently remunerated. The first of these points has al-ready been sufficiently discussed. The second is not a matter about which the Commissioner's judgment can be informed by expert testimony,

a continuation of a monopoly already granted and sustained for a further period. Those already using the invention under the former term are ordinarily likely to use it under the extended term on the same conditions. The extension cannot operate as any surprise, either to those using or contemplating the use; nor do I see how, under any ordinary circumstances, a continuation of the lifetime of a patent can operate otherwise for another period of seven years than it has operated during the past. In the case under conideration there are no extraordinary circum stances, so far as I can discover, affecting this manufacture and likely to operate in any respect injuriously to the interests of the country

The result during the past has been for the further introduction of the invention, the better and cheaper supply of a public need. The invention exactly suited the conditions it found in this country, and turned to profitable use an abundant native material, which has taken the place of that formerly imported from abroad.

The policy adopted and pursued by the as ignees appears to have been a liberal one, as shown by the licenses and territorial assignments. It does not appear to have been a close monopoly, but a free competition between dif-ferent licensed manufacturers, resulting, as we have seen, in a very large reduction in the price of paper-pulp. The extension of the patent an-

n from to solanum nigrum, hyoscyamine from henbane.

Walter Weldon, the inventor of a well-known and successful process for the manufacture of bleaching powder, is the recipient of the Lavoisier Medal of the Société d'Encouragement pour l'Industrie Nationale. In presenting it M. Dumas, the celebrated French chemist, congratulated Mr. Weldon upon having cheapened every sheet of paper and every yard of calico made in the world; and at the meeting at which the presentation took place Professor Lamy stated that whereas at the date of the introduction of Mr. Weldon's invention, seven or eight years ago, the total world's production of chloride of lime was only about 55,000 tons per annum, it was now over 150,000 tons per annum; and that of this vast quantity fully 90 per cent. is made by the Weldon process.

Paper mills are objects of great curiosity in Japan. The Emperor and Empress of Japan lately visited the paper mills at Umedsu, near Kiyoto. The five mills are making exclu-sively paper for the Government, for bonds, A European half-stuff mill has stopped &c. running. The machines came from America, and Sir Rutherford Alcock, of London, was at the head of the enterprise.

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Correspondence.

British Notes.

[FROM OUR REGULAR CORRESPONDENT.]

15a Parmenoster Row, London, E. C., Sept. 10, 1877.

Trade is in no way improved. There is a little business doing, but it is at such low figures that I can't help thinking that no business at all is better than selling at what appear to be losing prices. A traveler and a particularly man in our trade completed a journey last week, and from his account of his experience I gather the following information : Trade is very slow all over the country. There is an amount of apathy among buyers that is quite unprecedented. And as for prices I am myself. quite astonished at the figures he named to me It appears that good fair news, fit for provincial journals, is selling at 2%/d., less 71/2 per cent. discount. This is much below anything I ever heard of here in town. Printings are offered of decent quality at 3d , less 10 per cent. One firm was offering printings of a good white color and of very good quality (I saw a sheet) at 3%d., less 5 per cent.-quite equal to 5d. papers. I am sure that the paper cannot be made for the money. I think that all this paper is made in Northern mills, where the low prices of coals and chemicals are fully made use of by the manufacturers on the spot. In writings and good class papers there is not so much contrast, as the price and supply of rags are not affected as the coarser and commoner kinds of fibre. Also in rag papers not nearly so many chemicals are used, and this makes all the difference. Further, the produce of these papers is not so large as the turn-out of the lower classes of paper. hear that an Austrian agent in London is cutting out all the medium trade of this country by selling good writings equal to No. 60 mill (A. Cowan & Co.) at 6d. This is the way our trade is being cut up. How they do it nobody seems to know. English makers tell me that they can't make the paper at the money, yet there is no doubt about the sales taking place. If the question of this underselling is a question of price and cost of manufacture it seems to me waste of time to talk about over-production, &c. The thing is this: How is it that foreigners can introduce and sell paper in our markets which our own makers are unable to produce at the same price ? On all foreign goods there are carriage and brokers' charges, and yet with these to boot our makers seem unable to grapple with their foreign competitors.

their foreign competitors. Everything is very quiet and everybody is grunbling. I suppose it is the war. Everybody blames the war. I do not exactly see why the war should have the effect of prolonging this drendful state of trade. If we were not in a state of turmoil, fear and apprehension respecting the future, I do not think we could recover from the low ebb at which our trade has now

from the low ebs at which our trade has how found itself. Raw materials, so far as the most expensive agents go, are dirt cheap. Fibres are rather scarce, but not proportion-ately expensive. Labor is much as usual. Then, why this depressed condition of things ? Our home markets show no improvement. A short time ago chemicals had a spurt, now they are in statu quo with a downward tendency. Fibres are being bought hand-to mouth, and yet the price of paper is steadily falling. I met a paper-maker on the Thames this morning, who says "trade is worse than ever." He has shut down and "shut up," too, pro lem, and we are going to indulge in a little piscatorial speculation this week instead of paper-making. He told me that he knew positively of some ordinary news offering in Liverpool at 23/d. less 12 per cent., or 25s. 6d. per cwt.! This is even lower than any other report from the traveler, and shows well how things are here. Small hands, boards, &c., are wonderfully dull, and so are browns, grocer ies and the roughest class of paper.

Mill news is scarce this week. I heard from a friend that Chadwick Bros. have started at Cookham. They make boards. I hope they will get on.

As an instance of good enterprise I may mention the case of Horton Kirby Mills, belonging to Messrs. Spalding & Cudlip. These mills are situated in a beautiful part of Kent, near the Farningham Road station of the London, Chathan and Dover Railway. The present pro prietors have been in possession of the premise for three years, during which period they have entirely renovated the place, without even once stopping or shutting down their machines. They have replaced the old motive power by five or six entirely new horizontal engines, and have increased the number of steam boilers from three to seven. A fine tall new shaft has been erected, and new buildings have replaced the old dilapidated premises of former days. There is salle or finishing room here which might justly be called the finest in this country. It is built of iron. The roof and windows are all of light frame work, which is graceful, strong and very No ugly-looking wooden timbers convenient. are seen. All is iron, and as the north side is en-tirely composed of this frame ironwork the sential feature of a good light is well provided. The roof is also of iron, all entirely new. There are four machines, making the best plate and book paper. These alterations are nothing in themselves, except it be well remembered that everything has been completed during active work in the mill. No stoppages have occurred. Everything has gone on as usual. The greatest credit is due to J. S. Cudlip, under whose perusual. The greatest sonal superintendence the whole of these alterations have been effectually completed. There is published at 38 Upper Thames street, E. C., a paper called The British and Foreign Paper Trades' Review, a paper which I don't see, but which, I expect, is a periodical treatise on our trade. It is published by a Mr. Lumsden. Now, Iask, who is Mr. Lumsden ! If you or any subscriber or reader can answer me this question, I shall be very glad to satisfy some very

affectionate inquiries which several paper-mak-Perhaps ing friends have made of me lately. " reference " will oblige ! W. F. C

Philadelphia Notes. [FROM OUR REGULAR CORRESPONDENT.]

THE

PHILADELPHIA, Sept. 27, 1877. The Gavit Paper Machine Works, established over forty years since by the late Nelson Gavit and now carried on by A. Furman Blair, is so well known to the trade that it is only necessary to refer to it as one of the institutions of our great manufacturing city, and it is worthy of note that, notwithstanding the present inactivity among paper mills, it now employs 165 hands and they are busy with orders for months ahead and now manufacture more paper machinery than all the other machine shops in America combined. They keep up with the progress of the times and make every machine better than the one preceding it. In addition to supplying mills in all or nearly all the States in the Union they have frequent orders from foreign coun-Mr. Blair has in his possession an auto graph letter from Prince Bismarck, to whom he supplied \$40,000 worth of machinery, in which that great statesman says that we in this country are far in advance of European manufac turers in the making of paper-making machinery.

They are now shipping a 62-inch Fourdrinier machine to Bath, N. C., and have a 66-inch nearly ready for Morrison, Bare & Co., Roaring Springs, Pa.

The complications in the management of the Market Street Passenger Railway Co., involving the President and other officers, as well as one of our largest blank book manufacturers, is creating considerable distrust and uneasiness in business circles generally, and while there is no reason why it should affect the paper trade, it vertheless does

The meeting of the creditors of J. R. Nagle & Co., held yesterday, adjourned until Saturday, when further developments may be expected. There has been little change in prices of papers

or paper stock since my last report. The demand for book papers is increasing, but without any material change in prices.

Samuel Nevins, importer of chemical clays and colors will remove his establishment on Octoher 1 to 110 South Front street, nearly opposite his present location, and will have largely in creased facilities to supply the trade as well as to display their goods. The 660 casks of china clay reported in your last issue to Phil. J. Justice, should have been in the name of this firm

M. S. Buckley, the senior member of J. G. Ditman & Co. is expected to return in a few days from an extended trip West, where he has been for his health.

Among others in town this week we notice J. on Eysten, of Halltown, West Va.; Wm. & R. Tiddy, of Charlotte, N. C.; I. L. Murphy. Trenton, N. J.; P. H. Glatfelter, Spring Forge; Charles H. Mullin, Mount Holly, T. A. Mole, of L. L. Brown Paper Company, H. Garfield, Lee, M. Crane, Dalton, Mass.; Mr. Scheffer, Potts-ville, Pa.; D. Lothrop, Boston, Mass.

The Glass and Manufacturing Company of Millville, N. J., will hereafter be adapted to the nanufacture of paper from jute and salt hay. It is my intention at an early date to prepare

a careful summary of the specialty of every per mill in and around Philadelphia, and to this end will esteem it a favor if they will report the same to the Philadelphia office; also state capac ity, prospects and other items of interest to the

The outlook of the paper trade at present is exceedingly favorable, and there is no good cause for the present inactivity, as our book printers are all busy, and newspaper and job offices are doing more than an average busine I append the following report as to the market: Chemicals.—The week just passed seems to have been one of the quietest weeks in the trade; some transactions of importance have transpired but on private terms. Bleaching Powder continues in light demand, with prices ranging 11/2c. to 1%c. currency per lb. Caustic Soda Ash firm at 2c. gold per 1b, but transactions in it mostly small. Carbonated Soda Ash in fair demand at \$1.85 to \$1.90 gold; choice brands being held from 2c. gold per lb. for 48 per cent. Sal Soda firm at 1%c. per lb, owing to scarcity. China Clay continues in active sale, at prices of last week, \$16.50 to \$22 gold per ton; 500 casks S. C.

Manufacturing News.

PAPER TRADE

EASTERN STATES. It is reported that some Boston parties propos building a paper mill at St. Johnsbury, Vt.

It is reported that the Valley Paper Co.'s mill at Holyoke, Mass., is about to be enlarged. The Lyndon Pulp Mill, at Lyndon, Vt., is said to be doing very well, with an ample supply of raw material at hand.

Crocker, Burbank & Co., Fitchburg, Mass. have commenced to reset the boilers in all their mills with the Jarvis patent furnace.

The Merrimac Mill, at Lawrence, Mass., bas been sold to the Russell Paper Co, for \$43,250. Other real estate near the mill was purchased by William A. Russell.

The Adams Paper Co., at South Adams, Mass. has not had wash-water enough to run its mill the past month. It uses steam-power for the machinery, but requires a supply of about 100 gallons a minute of water to wash with. This has always been furnished by a small stream from the adjacent hills, but that is lower than it has ever been before, and the company is digging wells. One is already finished, and with a rotary pump gives some 30 gallons a minute.

MIDDLE STATES

The Highland Paper Mills, James A. Towns end & Co., Moodna, Orange County, N. Y., will be started up on Monday next.

WESTERN STATES.

The Cleveland (Ohio) Paper Co. is favored with abundant orders. It is running two 62-inch Fourdriniers at the lower mill, and one 72 inch Fourdrinier at the upper mill.

FOREIGN.

The paper mill at Imst, Tyrol, is to be repaired by the creditors, and will be started up soon. The boilers of the Villalgordo Paper Mill, Spain, will be reset with the Jarvis patent set-

ting.

He is rich who saves a penny a year; and he is poor who runs behind a penny a year.

The world is as a cocoanut; there is the vulgar outside shell good for beer cups and the white delicate kernel, the real worth, food for the gods.

Deceit has the effect of impoverishing as well as enriching men; the prodigal becomes poor by pretending to be richer than he really is, while eming poverty is the very making of a miser.

Aristotle laid it down as a maxim " that all inquiry should begin with doubt." Whenever. then, we meet with mysteries beyond our feeble comprehension, would it not be more rational to doubt the very faculty we are employing—the capacity of our reason itself ?

Common sense is looked upon as a vulgar quality, but nevertheless it is the only talisman to conduct us properly through the world. The man of refined sense has been compared to one who carries about with him nothing but gold, when he may be every moment in want of



JARVIS' PATENT FURNACE For the Setting of Steam Boilers Bagley & Sewall's Rotary Force Pump Will save twenty-five per cent. in fuel, and make an increase of twenty-five per cent. in Steam Power. We guarantee fifteen per cent. increase in evaporat-ion and capacity where we can have evaporative test b fore and after setting. Boilers set this way can be seen at.

JOURNAL.

Fore and after secting. Dotters set this way can be or at RUSSEL PAPER Co., Lawrence, Mass.
 W. W. HARDING'S PAPER MILL, Philadelphia, Pa. HOWLAND & Co., Sandy Hill, N. Y. MONTAGE PAPER Co., Cooperstown, N. Y. PARSONS PAPER Co., Holyoke, Mass.
 HOLNORE PAPER Co., Holyoke, Mass.
 HURLBURF PAPER Co., South Lee, Mass.
 C. MARLE & Sons, Pittsburg, Pa.
 F. R. WALKER PAPER MILL, Montgomery, N. Y. GEO, WEST & Sons, Ballston Spa, N. Y. HILL'S PAPER Co. Delaware, Ohio.

TESTIMONIAL. Letter From Otsego Paper Works. OFFICE OF OTSEGO PAPER WORES, COOPERSTOWN, N. Y., Sept. 14, 1877.

COOPERTOWN, N.Y., Sept. 14, 1877. A. F. UPTON, Esq.: Than Stra-I must tell you what the "Jarvis Setting" is doing for us. We got out of coal a month ago and could get no more from any source, on account of the miners' strike. Nor was wood easily obtainable except by paying more than its worth, so we tried aw dust and saw-mill scrapings, i.e., pieces of bark and refuse generally. Well, it is a complete success. One load of saw-dust or one load of refuse will run our boller fifteen hours, and give us plenty of steam, excepting when belling bleach, then we put on occa-sional "jags" of hard wood or a little coal. Of course the fire has to be watched a little closer and renewed oftener, but witness the saving, the coal to run fifteen hours costs, say \$4; the saw-dust costs only the drawing, say \$1. Of course saw-dust costs only the drawing, say \$1. Of course saw-dust costs only the drawing, say \$1. Of course saw-dust costs out solite the saving we make. I should think all paper mills would be likely to reset their boliews if you would show them the advantages. More The Sours The Sourse STREET, BOSTON, MASS.

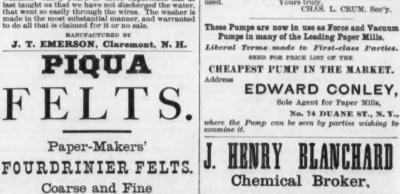
CONGREVE & SANDERS IMPORTERS OF Carbonated and Caustic Soda Ash. Bleaching Powder, Sal Soda,

Bicarbonate of Soda.





So far exceeds anything is its line that has ever been inde, that, if you are interested in the washing out giving it your attention. The improvements con-solution of the side of the bucket and a stationary which in the side of the bucket and a stationary only diving which the water is discharged, in a point with the boxes of the bucket and a stationary only diving which the water is discharged, in a point of the side of the Engine, making a very spot giving the side of the Engine, making a very spot giving the side of the Engine, making a very spot giving. For washing rags, but one to as Engine is required to water is one to as Engine is required to the the discrete and out of the washer is required as it will discharge three times the spot spot of the 'Phelps,' so long in use, and the boxes is not find the discrete the work which be ter-shark of slock, when the transited is in any ing the spot shock when the transited is in any ing the provide the the we have not discharged the washer is the the king is not ground into the stock. The fast washing fasted, from the old curb to the cylinder washing the the we have not discharged the washer is the the washer is the weight in the the stoce is the side is the the the stoce when the transited is in any ing the provide the the the stoce on the stoce is the stoce on the stoce of the stoce o





Most Perfect Rotary Pump Ever Offered to the Public.

SPECIALLY ADAPTED FOR WORK IN PAPER MILLS.

IN PAPER MILLS. The following are among the leading advantages of this pump: its few Parts, Simplicity of Construc-tion and small space occupied. Its small cost com-pared with other pumps. The comparatively small Power required (using from 30 to 75 per cent. less power than any Rotary Pump now in use.) Its Action is Positive, given an Even and Continuous Stream, being perfectly balanced in the water. Its Self-Packing Match Joints, requiring no Packing or Stuffing Boxes. Its Ready Accessibility of Parts, without breaking joints on pipes in taking apart. All Parts are made to an Exact Gauge, correspond-ing parts being interchangeable. The Speed can be adapted to Quantity of Water desired, the amount of water delivered being in proportion to speed and water applied. ater applied

TESTIMONIALS.

OFFICE OF THE WATERTOWN PAPER Co., } WATERTOWN, March 22, 1875. } Its action is positive, discharging all the water tken in, and consequently no power is wasted. In ort, we offer rover excellence in Nuonsemus. Yours, &c., HIRAM REMINGTON, President.

Yours, &c., HARAS HARAS, October 4, 1876. ⁴ WEST CURMINGTON, Mass., October 4, 1876. It does its work well, and I recommend it as the simplest and cheapest, as well as the best suction pump I ever saw. F. A. BATES.

OFFICE OF THE REMINGTON PAPER Co., WATERTOWN, March 20, 1875. We have used two 2-inch Fumps for the past ten months, as Suction or Vacuum Fumps, an our two 84-inch Fourdrinier Machines with entire satisfaction. For this purpose, or for raising and forcing water for general purposes, we regard the Green Fump as vastly superior to anything we have ever seen, and we have made the subject of Pumps one of especial study and investigation. A. D. REMINGTON, President.

OFFICE OF THE CANADA PAPER CO., } DEAR SIR-The Bagley & Sewall Pump we are norw using for pumping strong Caustic Alkall Liquors. We find it the best pump for that purpose that we have ever used, the metal packing being particularly valu-able. The No. 3 Pump of your make, which we are using as a Fire Pump, we find to be very effective and easily managed. Yours truly, CANADA PAPER CO.

Yours truly, CANADA PAPER CO., WM. ANGUS, President.

PATERSON, N. J., October 11, 1875. Sume-The little Rotary Fire Pump (No. 3) is entirely satisfactory. I have it connected with a system of sprinklers on each floor, and a set of hose front and rear, 134 Inch nozzles, from which I am able to throw Two STREAMS AT ONCE, EACH 125 feet. J. SWINBURNE.

WATESTOWN, March 23, 1575. In an experience of fifteen years we find this to be decidedly superior to any Pump we have found, and we have tried a large number, both Rotary and Pis-ton. IN PACT IT IS THE OXLY ONE WHICH HAS ENTIRELY PLEASED US. YOURS TRULY, KNOWLTON BROS.

BALTINORE, October 12, 1876. DEAR SIR—It works smoothly and rapidly without jar, and does all its makers claim it will do. We now of no pump that is its equal for the purpose it s used for. JOHN. A. DUSHANE & CO. Manufacturers.

WINCHESTER PAPER COMPANY WINCHESTER, Va., September 14, 1875, { We have it in use on our Straw Board Machine (60-inch Fourdrinier) as a Vacuum Pump, connected to an 18-inch box, which is a severe test. We consider it the best pump for that use that we have ever seen used. Yours truly. CHAS. L. CRUM. See'y.

NO. 42 BATTERYMARCH ST.,

cent. Yellow Prussiate felt son ment recently shown in Cochineal and Indigo, and jumped temporarily to 25c. Alums continue in good sale, at unchanged prices. Aluminous Cake sells slowly, with decline in prices.

mand at 4%c. to 4%c. currency per lb. for 60 per

Rosins-Maintain prices well, and fine grades especially are sought for, being mostly taken for winter stock. Common Strained, \$1.80; Strained. \$1.95 to \$2: No. 2, \$2.25 to \$2.50; No. 1, \$2.50 to \$3; Pale, \$3 to \$4.50; Extra Pale, \$4.50 to \$5. CHALLEN. -

Among men of the world comfort merely signifies a great consideration for themselves, and a perfect indifference about others.

Women are all alike. When they're maids they're mild as milk; once make 'em wives, and they lean their backs against their marriage certificates, and defy you.

There are some people who, though very ami-able in the main, and obliging in their offices to others have yet that most unhappy propensity of being gloomy over everything.

It seems to be the business of life to lay by fresh cause for anxiety and discontent by in creasing our estate; whereas we should rather know how to lose it all, and yet be contented. There is more virtue in obscurity than is commonly supposed; and perhaps there have been nobler specimens of magnanimity in low life than even the page of history can boast.





THE PAPER TRADE JOURNAL.

DIRECTORY.

Cards under this heading will be charged for at rate of \$10 per annum for each card. NEW YORK HOUSES

Paper and Paper-M	akers' Supplies.
ANDERSON, J. F., JR., & Co	., 84 Beekman st
BARRETT, THOMAS,	113 Fulton st
BEEBE, IRA L.	60 Duane st., cor. Elm
BENEDICT & HIGHET,	118 William st., N. Y
COBB, A. H.,	16 Reade st
GOODWIN, JAS., & CO.,	44 Duane st
HAND & ELLSWORTH, 51 B	eekman and 81 Ann sta
HARD, MELVIN & SON,	25 Beekman st
HEWITT, C. B., & BRO.,	48 Beekman st
HULBERT, H. C., & CO.,	13 Beekman st
MYERS, B. & O	16 Beekman st
MURPHY, JOHN J.,	47 John and 5 Dutch sta
PERKINS & GOODWIN,	84 Duane st
WATSON, GEORGE, JR.,	68 Beekman st
Rags and Pap	er Stock.
ATTERBURY BROS.,	258 & 255 Front st
BRIGGS & TAYLOR,	60 Duane st
BUTTERWORTH & SMALLI	EY, 32 Beekman st
GROSS, FR. A. 5	Beekman st. (Room 19)
GILDEA, PATRICK, 171	and 173 Christopher st
LYON, J. W., & CO.,	35 Park st
MORRIS S. HERRMAN, Woo	olen Rags. 157 Duane st., N. Y
MAHARIN, M. A. 35 Spring street, bet. Mot	t & Mulberry sts., N. Y
MASON, JOHN W., & CO.,	43 Broadway
O'MEARA, M.,	27 Centre st
SMITH, THOMAS,	30 Hester st
MART OD MAN	50 Duane st
TAYLOR, M. A.	00 A7 6889407 679

of the state of th		
SMITH, THOMAS,	30 Hester st.	
TAYLOR, M. A.	50 Duane st.	
WARD, OWEN.	448 & 450 West 39th st.	
(Dils.	
BINNS & LEA,	35 Fulton st., N. Y.	
Paper-Makers' Ch	emicals and Colors.	
GANTZ, JONES & CO.,	176 Duane st.	
PENNSYLVANIA SALT 140 S. Delaware av., Phil	MFG. CO., la., Pa., 59 Maiden lane, N.Y.	

WM. PICKHARDT & KUTTROFF,	98 Liberty st.
RIKER, J. L. & D. S.,	45 Cedar st

Paper-Makers.

ORRS & CO., Printing and Hanging Mills at Troy, Office, 39 Park Row, New York			
Straw Boards.			
BUTTERFIELD, H. A., 548 Pearl st	, near Broadway.		
HAYES, JAMES E. & CO.,	75 Duane st.		

Paper-Making Machinery.

	South Adams, Mass
CURRIER, CYRUS,	Newark, N. J
DANIELS MACHINE CO., Rag	Statements and the statement of the stat
GAVIT PAPER MACHINE W 224 to 230 N	ORKS, Broad st., Phila., Pa
HOLYOKE MACHINE CO.,	Holyoke, Mass
PUSEY, JONES & CO.,	Wilmington, Del
RICE, BARTON & FALES M CO.,	Worcester, Mass.
SMITH, WINCHESTER & CO.	, South Windham, Ct
Wire Clo	th.
CABBLE MANUFACTURING	CO., 43 Fulton st., N. Y
THE SELLERS MFG. CO., 70	7 Market st., Phila., Pa
Felts and Fe	Iting.
BULKLEY, DUNTON & CO.,	74 John st., N. Y
GRAY, F., O'FERRAL & CO.,	Piqua, O
S. G. TRAIN, 24 Fed	leral st., Boston, Mass
WATERBURY, H., & CO.,	Renssellaerville, N. Y
Belt Hoo	ks.
WILSON, GREENLEAF,	Lowell, Mass
BOSTON HO	USES.
BLANCHARD, J. HENRY, Che	micals and Wood Pulp 42 Batterymarch st
BUTLER, THOMAS, Dealer in Rags, &c.,	Paper Stock, Wooler 249 Causeway st
CHICAGO HO	OUSES.
CLARKE, FRIEND, FOX & turers and Dealers,	CO., Paper Manufac 150 and 152 Clark st
GILBERT, WM., & CO., Wholesa Woolen Manufacturers' Mater	le Dealers in Paper and rials, 11 & 13 Market st
GILBERT, WM.,& CO., Wholesa Woolen Manufacturers' Mater CINCINNATI	rials, 11 & 13 Market st

SNIDERS, LOUIS' SONS, Manufacturers and Whole sale Paper Dealers, * 121 Walnut st

PITTSBURG HOUSES.

BAKEWELL, ALLAN C. & CO., Printers' Supplies and Paper Warehouse, 75 Wood st.

I	MPORTA	TIONS	OF	PAPER	ST	OCK.
	PAPER,	BOOKS,	CI	IEMICA	LS,	&c.

IMPORTS of Paper and Paper Materials, Books, &c., at the Port of New York, for the week ended Sept. 21, 1877. Quantity given in packmine manified as when not other

Aniline Colors	42	\$6,551
Alum		
Aluminous Cake	64	664
Bleaching Powders	805	10,486
Soda Ash	2,946	65,601
Soda Bicarb	2,996	7,001
Soda Caustie	963	19,088
Soda Sal	4,662	19,686
Ultramarine	168	4,651
Books	185	22,291
Newspapers	18	1,917
Engravings	28	5,280
Ink	32	1,141
Lead Pencils	-	-
Paper	86	18,061
Steel Pens	8	4,871
Stationery	67	3,14
Clay		541
Jute Butts		-
Jute Rejects		-
Paper Hangings	8	1,295
Paper Stock	8,999	69,334
Waste		

TOTAL IMPORTS.

General Merchandise, for the week ending General Merchandise, for the week ending Sept. 21 Paper, Paper Stock, &c., for the year ending May 21, 1873. Paper, Paper Stock, &c., for the year ending May 21, 1873. Paper, Paper Stock, &c., for the year ending May 21, 1875. Paper, Paper Stock, &c., for the year ending May 25, 1877. Paper, Paper Stock, &c., for the year ending May 25, 1877. Paper, Paper Stock, &c., for the year ending May 25, 1877. Paper, Paper Stock, &c., for the year end-ing May 25, 1877. Paper, Paper Stock, &c., for the year ending May 25, 1877. Paper, Paper Stock, &c., for the week end-ing May 21, 1875. Paper, Paper Stock, &c., for the week end-ing Say 21, 1877. Paper, Paper Stock, &c., for the week end-ing Sept. 14, 1877. Paper, Paper Stock, &c., for the week end-ing Sept. 14, 1877.

IMPORTS of Rags and Paper Stock at the Port of New York, since Jan. 1, 1877, from the following Ports, showing quantities from each Port. Rags. Paper St'ck, Manilla Stck Bales. Bales. Bales. Alexandria. 8,116 Antwerp Beyrout.... 6,364 8,539 2,847 472 418 1,871 Bristol 361 811. 144 Calcutta..... Catania..... 90 250 -Constantinople 707 -Gibraltar.... 53 11,098 Glasgow..... 1,368 1,978 Genoa..... 2,067 421 Hamburg 2,048 2,429 1,110 Hayti ... Hong Kong Hull. Konigsberg 2,257 4,158 7,985 2,275 4,669 18 Leghorn. 9,663 Liverpool..... 4,648 5,625 20,109 8,758 9,158 7,88 Malta..... 1,024 Messina. 166 Naples.....

200 -Nassau. Nuevitas 9 _ Newcastle..... Palermo..... 810 Pillau... 1,440 Port Cabello. 13 Rio Janeiro..... 1,385 1,132 Rotterdam ... San Francisco.... 758 St. John's. ____

..... 1,877 Trieste EXPORTS of Paper, Books, &c., from the Port of New York to Foreign Ports, for the week ended

Sept. 25, 1877, with Aggregates and Values. BOOKS, cases to Bremen, 8; to Liverpool, 6; to

Japan, 8; to Glasgow, 5; to Africa, 5. PAPER, to Hamburg, 10 cs.; to Liverpool, 5 cs.; to London, 2 cs.; to British West Indies, 100 rms.; to British Guiana, 500 do.; to Brazil, 5 cs.; to Hayti, 645 rms.; to Porto Rico, 5,000 do.; to Cisplatine Re-public, 5 cs ; to Japan, 10 pkgs.; to Cuba, 32,600 rms.;

Rags, &c. Jos. Libmann, Neckar, Bremen, 8 bs. paper waste Lewy Bros., Hindoo, Hull, 132 bs. rags. F. A. Gross, by same, 100 bs. rags. Hugo Fett. by same, 102 bs. rags. John W. Mason & Co., by same, 152 bs. rags; 75 bs. manilla stock. Hagemeyer & Brunn, by same, 60 bs, rars Briggs & Taylor, Holland, London, i8 bs, manille stock. Recknagel & Co.,, by same, 61 bs. paper waste Briggs & Taylor, State of Indiana, Glasgow, 134 bs. manilla stock. Jonas Phillips, Mary Hogarth, Leghorn, 65 bs. N. Semoni, by same, 210 bs. rags. W. H. Parsons & Co., by same, 70 bs. rags. John W. Mason & Co., N. Galatola, Liverpool, 16 bs. rope junk; 137 bs. rags. Jas. Duncan & Co., Casilda, Liverpool, 12 bs. rags Briggs & Taylor, State of Georgia, Glasgow, 78 bs rags; 257 bs. manilla. O. Keenan & Son, by same, 369 bs. rags; 69 coils old rope. W. H. Parsous & Co., by same, 72 bs. paper stock. John J. Murphy, Acapulco, San Francisco, 70 bs rags. Order, by same, 68 bs. rags. Paper. L. de Jonge & Co., City of Montreal, Liverpool, 12 cs. B. Illfelder, by same, 2 cs Heidsieck, M. & Co., Italy, Liverpool, 3 cs. H. Bainbridge & Co., by same, 15 bs.
E. & H. T. Anthony & Co., Neckar, Bremen, 2 cs.
C. Moller & Co., by same, 1 cs. B. Ilifelder, by same, 13 cs. Chas. Beck, by same, 13 cs. P. Fannelly, by same, 2 cs. Chas. Lichtenberg, by same, 1 cs. Chas, Jachteng, by same, 1 es.
 P. Gledhill, Britannic, Liverpool, 1 es. hangings.
 Hester Bros., by same, 1 cs. hangings.
 A. & C. Kaufmann, Herder, Hamburg, 1 cs.

L. de Joage & Co., by same, 4 cs. G. Gemaert, by same, 5 cs. Chamberlin & Whitmore, Russia, Liverpool, 4 cs. Pottier & Stymus., St. Laurent, Havre, 8 cs. hang

8. W. Morris, by same, 1 cs hangings. PHILADELPHIA IMPORTS.

Rosin.

Rosin. Loper, Bros. & Co., per Virginia, 408 bbls. E. H. Rowley, by same, 385 bbls. W. H. Mitchell, by same, 608, bbls. Loper, Bros. & Co., per Wyoming, 696 bbls. E. H. Rowley, by same, 1,174 bbls.
W. H. Mitchell, by same, 304 bbls.
S. Nevins, by same, 225 bbls, China Clay.

W. H. Mitchell, per Virginia, 52 cks. W. H. Mitchell, per Wyoming, 28 cks. Hoe.nel & May. per Otus, 94 cks. Order, by same, 56 cks.

Soda Ash. W. H. Mitchell, per Roman, 35 cks. Bleaching Powder. W. H. Mitchell, per Roman, 56 cks.

BOSTON IMPORTS. IMFORTATIONS of Paper Stock, Chemicals, &c.,

at Port of Boston, from September 21, 1877, to September 27, 1877, inclusive.

Books. A. A. Brown, Massachusetts, Liverpool, 1 cs. Shreve, Crump & Low, by same, 1 cs. A. Williams & Co., Parthia, Liverpool, 1 cs.

- Entes & Lauriat, by same, 5 cs.
- 255 Dartmouth College, by same, 1 cs.
 - Boston Athenæum, by same, 2 cs. Schoenhof & Moeller, Illyrian, Liverpool, 1 cs.
 - H. Partridge & Co., by same, 8 cs.
 - E. A. Snow, by same 3 cs.

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- Paper. Wadsworth Bros. & Howland, Parthia, Liverpool, 1 cs. drawing. G. C. Whitney, by same, 1 cs. Camille Ried, by same, 3 cs. Frost & Adams, Batavia, Liverpool, 3 cs.

- O. Ditson, Parthia, Liverpool, 30 cs. printed music J. H. Robinson, by same, 9 cs. paper hangings.
- Paper Stock. Boston Igewood & Chemical Company, Hamilton
- Calcutta, 103 bs. white rags. Howe, Goodwin & Cole, by same, 113 bs. gunny 849
 - C. C. Herald, Martha Davis, Calcutta, 250 bs. rags.
- 80 Woodford & Farlow, by same 50 bs. paper stock; 1 ton rope. S. D. Warren & Co., Casseopía, Leghorn, 200 bs.
- rage w. Tucker, Aristas, Surinam, 1 bs. rags. J. T. Lodge & Co., Hindoo, Hull, 33 bs. paper
- stock. David Decoste, Elizabeth Ann, Aut. Boreche, 1,500
- pounds junk. Pickering, Winslow & Co., Illyrian, Liverpool, 10 tons junk. C. C. Herald, by same, 117 bs. rags
- C. C. Heraid, by same, 117 bs. rags. S. D. Warren & Co., by same, 500 bs. rags. Twombly & Co., by same, 116 bs. paper stock.
- Knewles & Appleton, Parthia, Liverpool, 232 bs. paper stock. Jute Butta.



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Shafting and Mill Gearing Generally. ARE YOUR MILLS NATRONA

POROUS

FOR

PAPER MAKERS' USE.



"As stated before, we want to get out of the hands of our local agents, who omit no oppor-tunity to make us feel that we are paper manu-facturers, and that paper mills are burning up at the rate of one a minute."

We can refer to some of the leading Paper

Mills, for whom we are SOLE AGENTS.

HARRISON, JAMES, Dealer in Paper and Rags, 102 Second av.	418 pkgs. STATIONERY, to Liverpool, 4 bxs.; to Hayti, 4 cs.;	I. G. Whitney & Co., Hamilton, Calcutta, 1,500 bs. Howe, Goodwin & Cole, by same, 100 bs. Nevins & Co., by same, 653 bs. rejections.	FREE FROM IRON AND FROM	ALLS, IOF WHOM WE BE SOLE AUENAS
MARKLE, C. P. & SONS, Manufacturers of Printing Paper and Glazed Hardware, 126 Second av.		Bleaching Powder.	EXCESS OF ACID.	We can Save you Money.
MORRISON, BARE & CASS, Paper Manufacturers and Dealers, 47 Wood st.	Paper, reams 28,345 \$4,833	B. D. Warren & Co., Illyrian, Liverpool, 61 cks. S. D. Austin, by same, 119 cks. W. F. & F. C. Sayles, by same, 55 cks. T. K. Cummings & Co., by same, 54 cks. Warren & Co., Java, Liverpool, 37 cks.	Two pounds of it will size as much paper as	
PHILADELPHIA HOUSES.	Paper, pkgs 428 1,433	Warren & Co., Java, Liverpool, 27 cks.	three pounds of Potash or Ammonia Alum.	Blank surveys sent by mail upon application.
BARBER, J. & J. S., Paper Stock and Binders' Boards, 621 and 623 Commerce st.	Paper, cases	Soda Ash. Wing & Evans, Parthia, Liverpool, 18 cks.	Pennsylvania Salt Mfg. Co.	ADDRESS,
DITMAN, J. G. & CÓ., Wholesale Paper and Rag Warehouse, 30, 32 & 34 South 6th st.	Books, cases	Linder & Myer, Illyrian, Liverpool, 66 cks. J. L. & D. S. Riker, by same, 36 cks. <i>Caustic Soda</i> .	140 South Delaware Ave., Philadelphia. 59 Maiden Lane, New York.	ANDERSON & STANTON,
ELLIOT. A. G., Paper & Paper Stock, % S. Seventh st.	Stationery, cases 42 2,741	Linder & Meyer, Illyrian. Liverpool, 50 drums. E. Hill, by same, 50 drums.	212 Washington Ave., St. Louis, Mo.	Insurance Brokers.
JESSUP & MOORE, Domestic and Foreign Rags, 37 North 6th st.	Totals	Alum.	AGENTS.	152 BROADWAY.
SAMUEL NEVINS, Paper-Makers' Chemicals and Colors, 110 South Front st.	TOTAL EXPORTS.	James Lee & Co., Hindoo, Hull, 50 bbls. E. & F. King & Co., by same, 50 bbls. Ultramarine.	W. M. ELLICOTT & SON, Baltimore. MOREY & CO. Poston.	ESTABLISHED 1840.
ST. LOUIS HOUSES.	General Merchandise, for the week ending September 25. Paper, &c., for the year ending May 27, 1873 2,889,492	T. Leyland & Co., Illyrian, Liverpool, 4 cs.		
GRAHAM & BRO., H. B., Paper Warehouse and Stock Dealers.	Paner &c. for the year ending May in 1874 1 788 877	China Clay. J. Henry Blanchard, from South Carolina, 12 cks.	Wood Pulp,	UWEN KEENAN'S SUN
MAYER, A. B., Rags and Paper Stock Dealer. 1014, 1020 & 1022 N. Twelfth st.	Paper, &c., for the year ending May 25, 1875 2,327,682 Paper, &c., for the year ending May 23, 1876 1,654,384 Paper, &c., for the year ending May 29, 1877 1,790,669 Paper, &c., for the quarter ending Aug, 28, 77 444,451	OUOTATIONS FOR STRAW PULP WANT-		Wholesale Dealer, Packer and Importer
LONDON HOUSES.	Paper, &c., for the week ending Sept. 4 1877 28,626 Paper, &c., for the week ending Sept. 11, 1877 39,002	V ed for quantities of 80 tons or more per month;	WET or DRY,	of all kinds of
Wood Pulp and Wood Pulp Boards.	Paper, &c., for the week ending Sept. 18, 1877 35,388	price must be low; the pulp can contain maize,	Delivered in any part of the country, in quan-	Dogg and Danon Ctook
THE GOTHENBURG COMMERCIAL CO. (Limited), Market Buildings, 39 Mincing Lane, London, Eng.	NEW YORK IMPORTS.	wood, or other fibrous material that would add to the cheapness. Offers and samples to be sent to the	IRA L. BEEBE,	Rags and Paper Stock
MANUFACTURERS.	FROM SEPTEMBER 20 TO SEPTEMBER 27, INCLUSIVE. Hide Cuttings.	publisher of this paper, addressed STRAW BOARD,		395 PEARL STREET,
CLAREMONT MANUF'G CO., Claremont, N. H.	J. Lee Smith, Hindoo, Hull, 180 bs.	Office P. T. Journal.	60 Duane Cor. Elm St., N.Y.	JAMES T. KEENAN. NEW YORK.

THE PAPER TRADE JOURNAL.

The Japer Trade Journal. DEVOTED EXCLUSIVELY TO THE INTERESTS OF The American Paper Trade. Weekly, \$4.00 per annum. Single Copies,

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NEW YORK : SATURDAY, SEPT. 29, 1877

Advertisements cannot be received for insertion in the current week later than 9 A. M. on Friday harge for advertising is 25 cents a line, each inser tion. Special terms for standing and dis vertisements to be had on application. standing and displayed ad Directory Column and one copy of paper. \$10 a year THE PAPER TRADE JOURNAL is the recognized organ of the various Paper-Makers' Associations of the United States.

THE JOURNAL contains the latest and fullest in formation relative to the paper trade in all parts of the world, including descriptions of new appliances and processes for making paper, experim fibres and other materials, a record of the water supply, with the latest manufacturing news in all parts of the country. It gives the cream of all the supply, foreign technical journals which relate to the paper interest, besides communications from competent persons in the trade, both at home and abroad. The market review and quotations show the state of trade in all the principal cities, and no pains have been spared to make these accurate and complete. spared to make these accurate and complete Subscription and postage for Great Britain,

per annum ription an i postage for France, per 25 france Sub-cription and postage for Germany, per 8 thalers

Foreign subscribers may address our New York Communications on matters of interest to the trade

will be liberally paid for. Items of news, and facts of all kinds in relation to the state of the mills, &c., will be gladly received. ions must be addressed to

HOWARD LOCKWOOD, Publisher and Proprietor. No. 74 Dunne street, N. Y.

Philadelphia Office : No. 900 Chestnut st.

TO CORRESPONDENTS.

As THE PAPER TRADE JOURNAL is the recognized vehicle of communication in matters of trade in terest, we will be glad to receive correspondence from all parts of the country. Information and sugges thisn upon paper-making topics are especially valu able, and manufacturing news and personal item are equally acceptable.

WATER is in great demand in this part of the country.

Some of our correspondents leave a great deal of room at the foot of their letter sheets and very little at the top. Just reverse this order, please. It will be a great help to us.

The mills in Eastern Massachusetts and New York are seriously inconvenienced for power. The streams are so low that some of the mills would shut down only for having steam to run with.

A REGULAR and steady movement is noticeable in all branches of the paper trade and fairly bears out the prognostications of firm prices and improved trade. There is an absence of feverish excitement which can well be spared in a season of healthful advancement, and the progress although slow is marked and acceptable.

WE recur with pride to the fact that there are constant proofs that this paper is the best, in fact only, medium for the paper trade and those who want to reach it. We have often been notified that much profit has resulted from advertising in our columns, and this remark has been unusually frequent of late. One of our correspondents who has just done some business with a foreign paper mill says "the order from Spain came through your paper."

that the price has been raised, but simply fixed at a uniform figure. This action of any others. While on this subject we want the convention goes into effect at once, and, to add a caution to the owners of mills as in anticipation of it large orders have been placed within the past two weeks at 34 cents, the market closing this week with few transactions at the established price.

ABOUT the first of this year we called the attention of paper-makers to the card of E. Braff, Paris, France, who through our columns offered his services to American paper-makers to represent them at the Exposition of 1878. This card has appeared regularly since the time mentioned. We are just informed by the Prefect of Police. through the United States Legation at Paris, that E. Braff has disappeared from his residence and place of business, that he was put in bankruptcy in May last, and left a considerable deficit. We make this announcement at once for the information of

any one who may have opened correspond-

ence with the party named. THE committee of Frank Leslie's creditors appointed to investigate his affairs do not find the work so easy as anticipated. nor are the accounts in such a simple state as to be readily understood. On the contrary, matters appear to be confused and much entangled : but it is a satisfaction to know that experienced business men are engaged in the work of investigation and w.ll not be satisfied until all the facts are known: Their report and recommendations will undoubtedly be accepted by all the creditors. What the recommendations will be, cannot, of course, yet be made known. but that they will indicate the wisdom of having the future conduct of affairs put in hands other than the former proprietor no one can measurably doubt. What the business is expected to yield under proper management will be shown by the proposed terms of settlement.

Low water in the streams supplying the inland mills in this State which manufacture straw wrappings has kept the price of that article firm in spite of the fair supply of water with which the Western manufac turers have been favored. This effect would probally not have been produced had there not existed an excellent export trade to pre vent the market from being overstocked. thus making the demand and supply bear relative proportions, which forbade dullness or drooping prices, and at the same time insured good trade and firm rates. If the delayed autumn freshets should be full. and the New York State mills should be started up, with the large stock of straw on hand and the facilities for getting their goods to tide water which they possess over their Western rivals, there will undoubtedly be a fall in the price of wrappings, unless the home demand should unexpectedly be increased beyond present anticipations. If. however, a heavy domestic call should be added to the excellent export trade there are not too many mills in existence for active trade, such as optimists have predicted for this winter and which may pos

A LEADING insurance company recently issaying th money on paper-mill risks, and has decided to refuse to write on paper mills any longer. The reasons urged, besides that of loss, are that the insurance companies heing forced to accept large reductions in the rates on this class no profit is to be expected at present prices, and that the condition of the paper trade is such that the ratio of loss will not probably be reduced. The discrimination against the paper trade contained in this circular is not just, for, as we have shown on another occasion, the risks are no greater than in other manufacturing establishments; and whatever insinuation may lie behind the remarks of the company referred to the paper trade can afford to despise. This circular, however, adds further proof that paper-mill risks are not wanted by the insurance companies; and the only ground for this feeling is in the carelessness with which some-perhaps

many-of the mills are run. This pre-

sibly yet be realized.

ruling lower of late, it is not considered of ignorance, and it is perfectly possible to secure risks that are as reasonably safe as to their management. It is of prime importance that the mills should be taken care of and watched by the owners-not left under the charge of indifferent or unreliable employees. It is certainly possible to improve the risks, and pains should be taken to engage agents who know how to properly represent the matter of insurance to the companies.

ESPARTO.

A correspondent writes to us, saying : . We have some desire to know why esparte grass cannot be, or is not, used in this country. We have on hand a small shipment of Tripoli grass, and if any of the paper trade desire to test it we will supply them at cost. We are now prepared to supply this article as low as it can be purchased in London."

Answering these questions, we reply that esparto was tried in this country at least ten years ago, and proved that it could not be profitably used as a paper stock. The first cost of the material has been, and is, too high, even under the favorable offer of our correspondent. Where esparto is suc cessfully worked it is boiled in upright stationary boilers, under a low steam pressure, necessitating the use of a large amount of caustic alkali, which, in turn, requires a very extensive plant for recovering the soda ash. Even if the grass can be delivered as cheaply here as in England, the soda ash and bleaching powder used in reduction cost more with us and deteriorate on the voyage hither. There is as much difference in esparto as in rags, the Spanish being the best, while the Algerian requires more chemicals. All of the best esparto is used in the manufacture of "book" and like grades of paper. To insure a clean paper the esparto must be assorted after it is boiled. This is done by girls, and adds to the expense.

The stock is used in England in the same classes of papers into which chemically prepared wood pulp enters here. Chemically prepared wood pulp is much cheaper in this country than in England, and natur ally secures the preference. It answers all of the requirements and is probably a better stock, for all purposes, than the esparto. Our correspondents will regret with us that personal business considerations must yield in such a matter as this to what is due not only to their interests but to the facts of paper-making in this country.

Correspondence.

[Communications are solicited from everyone who has anything of value or interest to impart. Items has anything of value or interest to impart. Items of news, trade gossip, and personal information will be gladly received. Correspondents are requested to write only on one side of the paper. No responsi-bility for the opinions of correspondents attaches to this paper. Communications must be sent to reach this office by Wednesday night or Thursday morn-ing, of each week, to insure insertion.]

Uneven Felts. To the Editor of The Journal :

One great source of complaint with wet felts on cylinder machines nowadays is that the edges are unevenly woven; that is, the selvage is not

that the same "fibre paper" can be counterfeited almost as easily as any other ? They ought to take a few simple lessons in papermaking. COLOR

Suiting the Machine.

To the Editor of The Journal : It is a general complaint with most machinetenders that wires have tight and loose sides. While I believe to a certain extent that some wires are made that way, I am constrained to the opinion that the fault is more frequently in the machine than in the wire. I once tended a Fourdrinier machine for six years, during which period I only came across one wire that suited the machine. All the rest were tight on the wrong side. It is pretty much the same case with felts. Such is the condition of some ma chines that one might just about as well be trying to scrub a negro white by the application of soap and water as to attempt to run a felt for any length of time without giving out. I read a few weeks ago in THE JOURNAL a contribution from one of your numerous correspondents to the effect that felts can be made to suit the different kinds of paper. I was in great hopes at the time that he would have said something about making felts to suit the different kinds of machines. Will one or all of your correspondents be kind enough to throw ome light on this subject, and oblige yours,

Inventing and Inventors.

J. W. C.

To the Editor of The Journal:

&c. .

Our green friend "John" must have found a mare's nest. It is no use trying to dispute the validity of a patent so authentic as "Dunn & McAlpin's Atmospheric Felt Cleanser." He aserts that it had been in use a dozen years prior to the date of the patent, but neglects to say where. Equally contemptible and on the same level are certain other parties, who pretend that the invention has been in operation in the Kelvindale Mills, Glasgow, Scotland, since 1865, and in Hele Mills, Devonshire, England, for a like period. Some of them go so far as to assert that they have worked it in one or the other of these mills, and have the audacity to insinuate that one of the patentees was perfectly aware of this being the case before he applied for the patent. They also claim that they furnished the brains for the undertaking, having furnished the inventors with a description of it several months antecedent to the date of the patent. They would have us to infer that there must have been a little stretching before an affidavit could be filed as to their being the original inventors. They further assert that there are parties in the United States who are using the cleanser without paving a royalty, and defying the patentees to interfere with them.

In all ages great inventors have had to submit to the annoyance of contemptible, envious parties asserting that the inventions had been discovered before. I suppose Dunn & McAlpin's Atmospheric Felt Cleanser will have to be placed in the same category and submit to a like fate. VINCET VERITAS.

Sunday Fixing.

COLLINS DEPOT, MASS., September 18, 1877. To the Editor of The Journal :

Your correspondent, "Paul," in his remarks on Sunday fixing, seems to imagine that men are made of wood or stone and must be moved in the direction of those who have the control of moving them from one place to another. would remind him that they are made of flesh and blood and move and have their being, and of their own free will can either do right or wrong. Therefore, I cannot ee how it is a work of necessity with em plovees to do work on Sunday. Perhaps your correspondent has not studied his own' na ture or the nature of man, else he would see the evil at once. There are honorable and upright men whose conscience would not allow them to do any work on Sunday, and who have that decision of character that were they asked to work on Sunday would, without hesitation, say no. Employers generally know the men they have to deal with. There is another class of men who. for the sake of gaining more favor or to be thought a great deal of, would do any menial work either week day or Sunday. Such men are generally watched closely by their neighbors, as they consider it not altogether safe to permit them to see or hear any more than can be helped. Then there is the greedy and avaricious man, who keeps a sharp look out during the week. He generally contrives to have a few jobs to do on Sunday, and seldom fails, when he brings them before the notice of his employer. As he has always a reason for this and that heing done, the employer is actually blindfolded by him, while he all the time is worshiping the dollar rather than his god. Now, with such men as those around us there is no chance of success until their entire nature is changed, and I would conclude by saving, " Paul," go forth and teach the Gospel to such. Yours ALEXANDER PAUL.

Changes, Removals, and New Firms,

C. P. Houser & Co., booksellers, Auburn, Ind., have sold out their business.

Searz, Minton & Bro., stationers, Paterson, N. J., are selling out at auction.

Whitefield & Thompson, publishers, Chicago, Ill., have dissolved partnership.

Mills & Cadoogan, bookbinders, Norwich, N. Y., have dissolved partnership; Mr. Cadoogan continues.

Christopher & Budden, lithographers, Atlanta. Ga., have separated, and E. R. Budden carries on the business.

Chattel Mortgages.

NEW YORK CITY. Mortaa Mortoagee, Amount. M. Fonenbach, 527 Froadway J. E. Braimsdorf. \$230 James Hanlon, 213 Sackett st., Brooklyn R. H. Valentine. 20 Crichton & Co

Lyon & Ames BROOKLYN.

Louis C. Lomer, 81 & 63 Court

John J. Millin 14 st. nes & Thos. A. Raisbeck, 68

EASTERN STATES.

WESTERN STATED.
gnatz Wendziski, Chicago, Ill
. Van Meter & Co., Cedar Falls, Iowa
Henry Gibson, Omaha, Neb1,000
3. W. Williams, Dayton, Ill., Real

Fires.

A fire which occurred on last Thursday night. n Providence, R. I., destroyed, among other business establishments, the paper-box manufactory of Jencks Brothers, on Weybossett street. The loss and insurances have not been made known.

A fire occurred in the Patent Office at Washigton on Monday last, and after laborious effort it was overcome, but not until much loss had been incurred. The models of the following inventions, exhibited in the North Hall, were entirely destroyed: Wood-working (4 classes). vood screws, wire-working, water wheels, water distribution, tubing and wire, stabling, sheet metal, seeders and planters, saws, railways (# classes), pumps, pneumatics, plows, ores, needles and pins, nails, mills, metal-working (7 classes), metallurgy, horseshoes, harvesters, harrows, hardware manufacture, grinding and polishing, garden and orchard, files, dairy, casting, brakes and gins, nuts and rivets, bolts, bee-hives, baths and closets, æration and bottling. Aggregate number of models destroyed in this hall, 57,000; valued at \$885,000. In the West Hall the models burned were those of bridges, brushes and brooms, tobacco, threshing, lime and cement, stone, roofing, presses, paving, mechanical powers, car couplings, masonry, churns, journals and bearings, engineering, hydraulics, hoisting, glass, fences, excavators, carriages and wagons, carpentry, butchering. Aggregating 36,500 models at a total of \$511,000. Total loss \$1,396,-36.500 000.

L. Prang & Co.'s large chromo establishment, in Highland District, Boston, was discovered to be on fire Thursday. The building was filled with valuable plates, chromos, &c. The loss will probably exceed \$50,000. The stock of manufactured goods on hand at Prang's chromo establishment was very large and valuable. This neluded chromos, lithographs, engravings and other goods; also a large stock of valuable plates and considerable improved machinery used in the preparation of chromos. The loss or the building, which was considerably damaged, is probably about \$10,000, upon which there is an insurance of \$30,000, as follows: North American, \$7,000 ; Insurance Company of North America, \$5,000; Pennsylvania, \$5,000; Shoe and Leather, \$5,000; Royal, \$8,000. The establishment was working on full time to meet large orders for the fall trade, and the loss occasioned by delay is no inconsiderable item. The total loss is now thought to reach \$100,000. The insurance on the stock amounts to \$115,000, divided among thirty companies. The loss is more than covered.

Accident.

John Kelley, an employee in Wardlow, Thomas & Co.'s Niagara Paper Mill, at Middletown, Ohio, was seriously injured one night last week while changing a belt. He was caught by the belt and pulled into the machinery, breaking three of his ribs and lacerating his face and head in an ugly manner. It is thought he will recover the injury.

- - • 10 Cents

This fact "points a moral and adorns a tale."

A VERY interesting and useful pamphlet entitled "Fifteen Cent Dinners for Workingmen's Families." has been prepared by Juliet Corson, the head of the New York Cooking School. It is intended for free circulation among the families of workingmen earning \$1.50 or less per day. It may be thought improbable that a dinner for six persons can be had for fifteen cents, but the author shows so plainly how it can be done, and from good and substantial material too. that the working classes ought to take the benefit of Miss Corson's labor-and thank her for it.

THE manufacturers of wood pulp, at the meeting held in Boston on September 21, fixed the price of pulp at 31/2 cents a pound. delivered at the station nearest to the mill of the purchaser. Inasmuch as orders for pulp are now being filled at 31/2 cents, straight. There are places in the felt where the edge will project at least two inches from the main body, thus making it not only difficult to guide, but dangerous for wrinkling. When the projecting part comes in contact with the machine frame it has a tendency to double over or form a lap extending the entire length of the felt, thus slackening the edge and causing the felt to give out sooner than it would have done under more favorable circumstances

SALAMANDER.

Fibre Paper.

To the Editor of The Journal:

The Boston Herald of the 23d inst. says: The Secret Service agents to-day examined minutely the alleged counterfeit \$50 legal tender not which came from Chicago. The Chief of the Secret Service declares that the note is genuine, as it is printed on fibre paper. Other officers think that it cannot be genuine, as they claim that there is an irregularity in the serial number, and the suggestion is made that a fibre note of a smaller denomination may have been washed and the forged note printed upon it.

I would like to inquire from some one who can answer the question, how much protection the so-called "fibre paper" affords to the Govern-ment when experts cannot tell whether a bill is genuine or not, and what kind of experts does though rates on some makes have been judice, as has been remarked, is the result the Government employ who have not learned deem proper to be made.

Failures.

Geo. W. Mildeberger, stationer in this city, has been sold out by the Sheriff.

A meeting of the creditors of John R. Nagle & Co., Philadelphia, has been called, and it is reported that a disposition is shown to force the firm into bankruptcy.

The committee appointed by the creditors of Frank Leslie to investigate the condition of his affairs is still engaged upon the accounts and books, which the gentlemen have found in much confusion, and their efforts have been directed towards getting order out of chaos and system out of the lack of it. The committee hope to be able to report to the creditors early next week. with such recommendations as the members may

Newspaper Intelligence. The following is a list of new newspapers, fur-

nished from the advance sheets of the American Newspaper Reporter and Printers' Gazette :

NEW NEWSPAPERS.

DAILY. Size. Newark (N. J.) Newarker Tageblatt 20×26 WEEKLY. Mountain Home (Ark.) Quid Nu 21 × 81 San Francisco (Cal.) Commercial.. 28×41 Talbotton (Ga.) Georgia Register.... Chicago (III.) Western Shoe and Leather Re 24×43 10 × 12 Greenfield (Ill.) Green County Republican 24 × 26 Clinton (Ind.) Western Indianian 94 × 35 Colfax (Ind.) Chronicle × 40. Remington (Ind.) Times.... West Lebanon (Ind.) Indiana Statesman.... $22 \times 1 22×30 Grundy Centre (Iowa) Argus..... Ida (Iowa) Maple Valley Era..... 94 - 95 96 × 40 Manson (Iowa) Press.. 26×40 Beloit (Kansas) Record 19 × 24 Bronson (Mich.) Index..... St. Paul (Minn.) Le Canadien.... St. Paul (Minn.) Le Franco-Canadien.... 11 × 16 Friars Point (Miss.) True Mississippian..... Cranford (N. J.) Union News..... 26 × 40 20 × 26

THE PAPER TRADE JOURNAL.

Silver Creek (N. Y.) Local 24×36 22×30 24×36 Orange (Texas) Tribune ... Forest (Ont.) Adviser. 27×40 MONTHLY. RESUMPTION. Benton (III.) Baptist Banner 24 × 30 CHANGES. The Messenger, Elysian, Minn., has moved to Mor

ristown, in the same State. The Item, North Vineland, N. J., has moved to New-

The Nord Stjernan, New York, N. Y., has moved to 43 Chathain street.

The Appeal, Bryan, Texas, has merged into the Brazos Pilot. The Temperance Union and Canadian Prohibiti-

onist, Belleville, Ont., has moved to Ottawa. CONSOLIDATIONS.

The Free Press and the Courier, Paw Paw, Mich., have been consolidated under the title of the Free Press and Courier.

The Knickerbocker, Albany, N. Y., has been consol-

dated with the Press. SUSPENSIONS NOT PREVIOUSLY ANNOUNCED. The Journal, West Haven, Conn.; Meriden Herald, West Meriden, Conn.; Review, Cambridge City, Ind.; Gazette, West Lebanon, Ind.; Sunday News, Albany, N. Y.: Daily Witness, New York, N. Y.; Day Book, New York, N. Y.; Hill Co. Record, Peoria, Texas

Personal.

John Sanders, of the firm of Congreve & Sanders, dealers in chemicals, died on Tuesday last, and was buried on yesterday at Summit, N. J

In Town.

S. A. Parks, Glen Falls, N. Y.; I. H. Appleton, Holyoke, Mass.; J. De Witt Walsh, No. burg, N. Y.

SPECIAL NOTICES.

[Insertions under this heading will be charged 50 cents a line. Payment invariably in advance.]

CONLEY'S Mill and Machinery Agency. FOR THE PURCHASE, SALE, OR EX-

CHANGE of PAPER, COTTON, WOOL-EN. GRIST and OTHER MILLS: ALSO, MACHINERY, MILL

SITES and PRIVILEGES.

Estimates given for New Machinery at very much lower prices than can be obtained elsewhere.

Parties having any kind of Machinery or Mill Property which they desire to sell, will please send a list and description of the same to the under signed, who offers for sale a large line of Paper-Making Machinery, including the following :

One 76-in., one 73-in., one 63-in., one 42-in. and one 36-in. Fourdrinier Machine. One 36-in., one 43-in., one 48-in., one 53-in., one 54-in., two 63-in., one 68-in., and one 73-in. Cylinder Machines.

Machines. One hundred and twenty-seven Skeleton Dryers, 36 in. by 80 in., with pulleys, gears, &c., all complete and nearly new, used in drying animal-sized writing

and nearly new, used in drying animal-sized writing papers. Three Press Rolls, 12 in. by 62 in., covered with gun-metal. Three Couch Rolls, one rubber and two copper, 12 in. by 68 in. wide. One Breast Roll, 12 in. by 68 in. One stack of seven Super Calenders, 30-in. face. One stack of seven Super Calenders, 30-in. face. Four stacks of Straw Board Calenders, from 90-in. to 40-in. face. Four baniels Rag Cutters, one Rope Cutter, one Cane Cutter, two Straw Cutters, one Wood Chopping Machine.

Cane Cutter, two Straw Cutters, one ... Machine. Eight fron Dryers, 14 in. by 35 in., in good order. Price \$150, cash. Price \$150, cash.

Price \$150, cash. Twenty Steam Engines, from 10 to 300 H. P., in-cluding one 150 H. P. and one 90 H. P. Corliss En-gines, and one 80 H. P., Putnam Machine Co. make. Four Double Flue Steam Bollers and one large Locomotive Boller. One large Steam Pump. Two Rag Dusters, one Rag Thrasher, two Devil Dusters.

One large Steam Pump. Two Rag Dusters, oue Rag Thrasher, two Devil Dusters. Two 48-in., one 54-in., one 62-in. and one 84-in. Paper Cutters, one 62-in. Hatch Cutter. One Gould Patent Engine. Two Kingsland Patent Engines. One Standing Presses, with gun-metal screw, plate 34 in. by 48 in. Twelve Cutting Presses, from 37 in. to 45 in. wide. Six Making Cylinders, of different sizes. One Stow's Water-Wheel Governor. One 40-in. Leffel Water Wheel Case. One Twisting Machine. One Stoin. Leffel Water Wheel Case. One 60-in. Winder, with ninety-six Iron Spools, 2 in. by 28 in.; also, forty Wooden Spools, 7 in. by 28 in. One solving Machine. One 80-in. Winder, with ninety-six Iron Spools, 2 in. by 28 in.; also, forty Wooden Spools, 7 in. by 28 in. One solving Reels, 76-in. face; one set of six Revolving Reels, 76-in. roll and one 42-in. machine; one Winding Machine, one Size Washer, to-gether with an extensive list of Miscellaneous Ma-chinery, including fifteen Rag Engines, including five 36-in. rolls, one 38-in. roll and one 42-in. roll, four Rotary Rag Bollers, 5x16 feet. One Rotary Bollers, 5x16 feet. One large Rotary Globe Boller 14 feet in diameter, will stand 130 lbs, steam prossure, and well adapted for bolling wood or straw. Three Wood or Straw.

Third Edition --- Now Ready. LOCKWOOD'S DIRECTORY Paper Trade.

This Directory contains a full and detailed description of every Paper Mill in the United States and Canada.

1877.

This Directory is octavo in form, is printed on the finest book paper, handsomely bound in cloth, and as a work of reference is indispensable to every Papermaker, Paper and Paper Stock Dealer, Stationer, or

any one connected with the trade.

Address

LOCKWOOD'S DIRECTORY is the only STANDARD authority of the kind, and is constantly consulted by the Trade in all parts of the country.

PRICE. - - - - \$2.00.

HOWARD LOCKWOOD. Publisher. 74 DUANE STREET. N. Y.

Market Review.

OFFICE OF THE PAPER TRADE JOURNAL, FRIDAY EVENING, September 28, 1877. THE MONEY MARKET.-Money was less active and easier to-day and the more common rate on call outside of bank was five per cent. on all classes of collateral. Discount continues dull and mercantile paper is scaled for 60 days from 6 per cent. to 7 per cent. and for 4 months from 6 per cent. to 8 per cent. Banks and trust companies are doing nothing below 5 per cent. Short indorsed bills receivable are sold at 6 per cent. to 61% per cent.

In Government bonds there is a free inquiry and sales have occurred at former rates

Gold is easier but very dull at 1031/8 to 103, and is devoid of interest. The quotations for the week are:

Highest, 10334 10334 10334 10334 10338 10338 10338 Opening. .103 1-16 at. Closing Lo 1081/8 1081/8 1081/8 108 108 108/6 Sept. 22. 103 103 103

The posted rates for bankers' sterling remain unchanged at \$4.83 for 60-day and \$4.861% for sight, and the market is weak. The rates to-day are: Sterling, 60 days, \$4.81% to \$4.82%; ster-ling, sight, \$4.85% to \$4.86; cable transfers, \$4.87 to \$4.88; commercial sterling, prime long, \$4.81 to \$4.81½; commercial sterling, good long, \$4.80 to \$4.81; Paris, bankers', 60 days, 5.20 to 5.18%; do. sight, 5.17% to 5.16%; Antwerp, bankers', 60 days, 5.20 to 5.18%; do. sight, 5.17% to 5.16%; Swiss, bankers', 60 days, 5.18% to 5.17%; do., sight, 5.161/4 to 5.15; Reichmarks (4), bankers', 60 days, 941/ to 94%; do., sight, 951/ to 951/; Guilders, bankers', 60 days, 40 to 401/8; do., sight, 401/ to 401/2.

THE PAPER TRADE.-There is a trifle more novement and purchases are steady and regular day after day, with no spasmodic increase, but a fair and moderate business. The sympathetic activity from branches of trade which are feeling the impulse of a strong revival affects the paper trade regu'arly and in a healthful way. Fine Papers continue to be called for in somewhat larger lots than last week to meet the increasing demands of retailers' temporary wants only, as the latter are still indisposed to purchase ahead, and exhibit a trepidation which in the light of further calls is somewhat surprising to the large dealers, who are urging future contracts and increased purchases. Out-of-town buyers exhibit more confidence, and still furnish the bulk o trade. The search for Book Papers is more active and the near approach of holiday times stimulates the publishers, who are more in the market. A slight improvement is also noticeable in News, which moves along with more activity, while prices remain about the same. Straw Boards are selling in a steady, regular way, and the call is fair, although not up to the point of brisk trade or great activity. market for Straw Wrappings during the past fortnight has been characterized by more than the usual demand, at firm prices. The Columbia County mills and other State manufactories of these goods have entirely stopped on account of the scarcity of water, and the supply has been entirely from the West, where the mills have had the good fortune to have a better motive power, the rains having been sufficiently abundant to keep them going pretty steadily. Thus there has been a fair, but not an extra, supply in the market, which has kept prices firm. The bulk of the trade, however, has been in the good export demand, which has regulated the demand and supply to paying figures and in proper relations. If the delayed equinoctial storms shall yet prevail abundantly the price will undoubtedly fall, as the idle mills have large stocks of Straw on hand, which only need a rise in the streams to be converted into paper and be speedily put upon the market in large quantities. Bind-ers' Boards are brisker. Sales have been quite numerous. Binders are purchasing more freely and are affected by the approach of the holidays. Prices rule firm at previously mentioned figures. JUTE BUTTS .- There has only been one arrival during the past week, viz., the Perthshire, No. 74 Duane Street, N. Y. at this port with 2,000 bales. Orders from man- Coal Trade Journal says: "The business in

ufacturers have ruled rather light, and sales have | Lehigh is not reported so active as last we embraced about 1,200 bales. The quoted prices askel at the close are from 3 3-16c. to 3 5-16c., cash and time

FOREIGN RAGS AND PAPER STOCK .-The market may still be called steady so far as a limited business and moderate sales well sustained can justify the designation. The increased movement in Linen Rags continues and purchasers are buying in small lots at rates which have remained unchanged since last week's report. There are still small importations of Baggings, which are in good call and sold-to fill orders and to meet new sales-about as fast as they come into market. Prices stil remain the same, but a weakness in the price of Jute Buttcauses an unsteadiness in the rates, which indicate a possible fall in the course of a week if Butts shall continue to be depressed. The arrivals of the week foot up 1,605 bales Rags; 250 bales Old Papers, and 625 bales Manillas.

DOMESTIC RAGS .- The activity noticed in our last issue has been fairly maintained during the past week in some qualities, while in others about the same business was transacted at slightly advanced prices. The call for Foreign Rags is still limited, and Domestics rule correspond-ingly firmer and in better demand. Good Packings are in very fair demand and move regularly at advanced rates. Poor Packings are in great abundance in the market and are offered at all sorts of prices, and this has in a measure a bad effect upon the market and reduces the call for better qualities, which are still in good de-mand, but would otherwise be ruling much higher. There is a trifle more call for White Rags and manufacturers are now purchasing more largely of City than of Country stock Sales include 150 bales Good City Seconds at 65 bales Common City Seconds at 2%c. and 20 tons No. 2 City Whites at 3%c.

OLD PAPERS .- The same movement contin ues in Old Papers noticed in our last issue. They are disposed of with freedom, while prices are unchanged but are firm at last week's quota tions. The sales include 20 tons Heavy Book stock at 4%c., and 40 tons do. at 4%c.; 20 tons Light Book stock at 2%c., and 5 tons Manilla Clippings at 4c.

BAGGINGS.-The call for Baggings continues good, and the earnest request for finer qualities increases the hopeful feeling. Prices have advanced broad and although the depression in Jute Butts tends to abate values they are held very firm at last week's quotations. Among the sales are 300 tons in lots No. 1 Gunny Bagging at 3c.; 100 tons in separate lots No. 2 Gunny Baggings at 21/3c., and 40 tons in two lots No. 1 Burlaps at 3½c. The mills are now run-ning on full time and the supply of Rope is more sought for, while there has been a slight advance in price. The steady increase and continued firmness in Rope have brought purchasers and sellers together, and there is more agree-ment than noticed in our last issue. Sales have occurred of lots of 50 tons and 70 tons at \$1/2c. and 3%c. respectively. Hemp stock is in about the same demand, and is sought for with a fair degree of earnestness. A small stock in the market stimulates buyers, and makes prices firm.

WOOD PULP .- The action of the manufac turers of this article who met in convention last week at Boston in fixing the price at 31/2c., has caused hardly any transactions this week. Most persons anticipated the action of the convention, and thus unusual activity prevailed in the mar-ket for three weeks previous to the meeting. Large stocks have consequently been secured, and there is only little doing now, and the same state of affairs is predicted for the next fort-night, until an urgent demand shall be stimulated by the exhausted supply. Sales are re corded this week of only 30 tons at 31/c., the new standard price.

STRAW .- The market is steady, and prices remain unchanged. We quote 55c. to 60c. for Long Rye; 45c. for Short Rye, and 45c. to 50c. for Oat.

ROSINS-Are quiet, but there is no change in prices. The following are the quotations: Good Strained at \$1.80; Common do. at \$1.70; E. at \$1.90; F. at \$2.00; G. at \$2.121/2; H. at \$2.25; I. at \$2.30 to \$2.35; K. at \$2.50 to \$2.871/2; M. at \$3 to \$3.871/2; N. at \$3.75 to \$3.871/2; W. at \$4.25 to \$5.

CHEMICALS .- The market remains in about the same state of moderate activity, nothing to boast of, but just removed beyond the condition of matters designated as "dull." Prices generally remain the same, except in Bleaching Powders, which have fallen off a trifie. Purchasers have lots in small and moderate-sized quantities. Carbonated Soda Ash is somewhat weaker, al The though prices have not fairly given way. Sal Soda is firm. Oxalic Acid and China Clay remain about the same. Ten tons of the latter sold for \$13 per ton. Sales include 250 casks Bleaching Powders at 1.521/2c. currency; 50 tons Caustic Soda Ash, 56 per cent., at 1.90c. gold; 50 drums 60 per cent. Caustic Soda at 4.30c. gold; 50 tons Sal Soda 1.30c, gold; 200 barrels Lump Alum at 21/c. currency; 100 barrels Ground Alum at 2%c. currency; 100 barrels Potash Alum at 2%c. currency; 50 barrels Concentrated Alum at 25%c. currency; 100 barrels Natrona Porous Alum at 31/2c. currency; 25 tons Aluminous Cake at 21/2c. currency; 20 casks Yellow Prussiate at 241/2c. currency; 10 casks Bichromate at 121/2c. currency. COAL.-Although Anthracite is being marketed in large quantities, trade has fallen off since our last issue. Dealers buy only to meet immediate wants, and the market is weaker than at any time since the suspension begun. The offset to its continuance exists in the fact that only two months remain in which to put in the winter's supply. There is no change to note in the price of Cumberland. The market is quiet, and tonnage is somewhat off as compared with the previous week. The Wyoming district is not shipping anything yet. Saward's

sales are not as large and prices are weak In fact, it is very difficult to find a quotat that represents the market. One party with good quality insists upon a high range of prid while the next, with an equally good coal, que the prices at much lower figures: this state affairs may be credited to the general activ that prevails throughout the region, and la shipments. We quote, f. o. b. at shipp points: Lump, \$3.75; Broken, \$3.50 to \$3. Egg, \$3.55 to \$3.65; Stove, \$3.60 to \$3.75; Che nut, \$3.30 to \$3.50; Pea, \$2.25.

NEW YORK MARKET

PRICES CURRENT. Paper Market.

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ee Wo or boiling wood or straw. Three Wood or Straw Dizesters. One set of Artesian Well Tools. No. 8 Sturtevant Blower, with 200 feet of Galvanized Iron Pipe. One No. 8 Armstrong Heater.

PAPER MILLS.

Twenty Paper Mills in Massachusetts, New York, Connecticut, Pennsylvania, Ohio, Michigan, Kentucky, Virginia, Georgia and Illinois, containing the following size machines: One mill with two 72-in. one with one 78-in., one with one 84-in. one with one 72-in. and one with one 84-in. Fourdrinier Machine; one with one 72-in. and one 82-in., one with one 72-in. one with one 73-in. and one 83-in., two with one 54-in. Cylinder Machines.

The undersigned is also agent for the following

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The Risdon Improved Turbine Water Wheel, which produces more power for the water used than any other water wheel in the world. Catalogue and price-list sent on application.

The Bagley & Sewall Rotary Force Pump, adapted especially to Paper Mills (see advertisement in another column).

The Lahousse Process for Reducing and Bleaching Straw Pulp,

Now in successful operation in over sixty mills in Europe. It will give a larger yield and produce a better pulp for the chemicals used than any process in existence.

Address EDWARD CONLEY,

Colors, per 100 h	BOSTON MARKET.
Manilla Rope, tarred	
Hemp Rope 4320 5	Market without much change. Paper and S
Gunny Bagging, No. 1 216@ 316	quiet. Chemicals fairly active. Sal scarce on
Gunny Bagging, No. 2 21/2 8	Rosins firm but quiet.
Kentucky Bagging 5 514	
Burlap Bagging 2940 814	Paper Stock.
Tar Shakings	Mill Assorted Whites 576@
	Cotton Canvas
	Cotton Canvas, No. 2
Shavings and Old Paper.	White Shirt Cuttings 8 @ -
White Collar Cuttings, all paper 51/20 6	Country White Rags 5%@
White Collar Cuttings, muslin lined . 4126. 5	Country Mixed Rags
White Envelore Cuttings 51600. 6	City Whites, No. 2 44a@
Hard White Shavings, No. 1 5180 514	Seconds, Country 416@ -
Soft White Shavings, No. 1 5 518	Colors 216m
White Shavings, No. 2 41/4@ 41/1	Manilla Rope
Mixed Shavings, part white	Binders' or Tar Board Cuttings 1 @ -
Ledger and Writing	Common Papers
Book Stock	Oakum Junk
Book Stock, No. 1, light 2346 3	Hemp Rope
Book Stock, No. 2, light 2 @	Gunny Bagging, No. 2
Prints 134@ 134	Kentucky Bagging 4120
Pure Manillas	Hard Woolens, old
Bogus Manillas and Hardwares 14@	Soft Woolens, old 10 @
Commons	Hard Woolens, new 8460
Binder's Board Cuttings 146 1%	Soft Woolens, new 10 G -
Straw Board Cuttings 80 00 1	Jute Butts
English Rags, &c.	White Collar Cuttings 5 @
	White Envelope Cuttings
New Cuttings, cotton 734@ 8 Essex Fines 634@ 7	Hard White Shavings, No. 1
London Fines, cotton	Soft White Shavings, No. 1
Outshots, cotton 5 @	Mixed Shavings (% white) 8 @ -
Seconds	Imperfections
Seconds Extra	Light Prints 24a
Thirds	Manilla Envelope Cuttings, new 4 @
New Print Tabs	Manilla Papers, old 2 @
Checks and Blues 346 346	Hardware and Manillas 1 0.
Light Prints	Straw Board Cuttings 1 @ -
Light Fustians	Leghorn Rags.
Black Calicoes	
First Canvas Linen	P P, No. 1 Linens
Second Canvas Linen 414@ 414	5% 55, No. 2 Linens
Black Bagging 48260. 482	P. No. 1 Cottons
Gunny Bagging, No. 1	S No. 2 Cottons
Gunny Bagging, No. 2 21/6 2%	T, No. 3 Cottons

734 6 534

310	THE PAL	PER TRADE J	OURNAL.
Alexandria Rags.	CINCINNATI MARKET.	62-INCH DRYERS.	ROB'T WETHERILL & Co., Chester, Pa.
Blues	Paper Stock. Cents. Cents.	For Sale Low.	
Smyrna Rags.	City, No. 1 Whites 514 Soft Woolens, mixed Mill Assorted Whites 5 City	Three 62-inch Dryers, 48-inch diameter, with reels, winder, &c., complete and in good order. Also, 12-	
Whites	White Cotton Canvas, Common Wool Rags.90	horse power Fortable Engine and Boiler-Wood &	
Reds	Linen Canvas	Mann. All in good order, and now running at the milf of the Connecticut Paper Pulp Company, Hart-	
Canvas, No. 1	Country Whites, No.1, 514 White Collar Cuttings 6	ford, Conn.	Builders.
Tarred 2 @ Rope 2 @	Country Whites, No.3, 31/2 Ungs	FOD OALE	
Constantinople Rags.	Country Mixed Cotton tings, new	FOR SALE.	MACHINERY.
Whites 234 @	Rags 21/2 Sized Papers 3/2	The Paper Mill,	MARTINERIA MACHINERI.
Mixed 1 @	Shoe Cuttings, new 5 News Papers		
New Papers. Superfine Book	Hemp Rope 414 Straw Board Cuttings 90	AT MANSFIELD, OHIO. Three acres of ground: buildings wood; mill proper,	Boiler Makers.
Fine Rook 12 @ 15	Gunny Bagging	36 × 168 ft.; boiler house, 30 × 8°, engine room, 18 × 38; one 72-in, and one 48-in, cylinder machine, with 6 3 6	
Ordinary Rag News	Hard Woolens, new .11 Soft Woolens (Mill) 9 City Gunnies, No. 2 214	in. dryers each; calenders, cutters, reels, and power cutter; 5 rag engines, rolls 36 × 36; straw and rag	SHAFTING AND CEARING.
Straw News 91/200 101/200 Manilla, Cream, No. 1 12 13 Ordinary Wrapping Manilla 8 6 9	CHICAGO MARKET.	boilers, pumps, &c. (a complete mill); one Corliss engine, cylinder 18×42, in use seven months; 3	
Manilla, No. 2	Rags and Paper Stock.	boilers, 30 ft. long, 48 in. diameter, 5 flues, each two and three years old; never-failing spring of clear water (over supply); all machinery in No. 1 condi-	M. S. BULKLEY. J. G. DITMAN & CO., J. G. DITMAN.
Straw Wrapping	Cents. Cents.	tion; will sell on easy terms, and for one-third what	WHOLESALE PAPER AND RAG WARFHOUSE
Hardware, No. 2	City Whites, No.1 5 @51/2 Mixed Shavings. 31/2@33/4 Seconds & Blues 4 @41/4 White Shavings	it would cost to put the machinery there; am not a practical paper-maker; straw plenty, and one of the past binning points, in the States, coal, about, Call	30, 32 and 34 South Sixth Street, Philadelphia, corner of Jayne Street.
Hardware, glazed	Print Rags No. 1 24603 Manila Rope 33400376 Gunny Bagging. 24203 mixed	best shipping points in the State; coal cheap. Call on or address E. HADE, Mansfield, Ohio.	
Binders' Boards, P ton	Hard Woolens. 2 (03 Frint Papers * (0.474		
Leather Board, counter 11 @ 15 Leather Board, No. 2 8 @ 9	Soft Woolens, clear	GROUND WOOD PULP.	
Leather Board, No. 3 5 @ 7 Boston Chemicals.	Wrapping Wins \$46 % New Clips (free from sat)		
	from sat)12 (gis Seamed Cloth 5/200	Ground Wood Pulp in quantities, 2 cents per pound, dry weight. Ground Wood Board for box makers	
Aluminous Cake, gold	FOREIGN MARKETS.	furnished and calendered, 21/2 cents per pound, all	
	London Market Report.	thicknesses. For sale by J. & W. Reid, 98 and 100 St.	
Alum, American Potash		Paul street, Quebec, Canada.	
Anti-Chlorine 394 494 Bi-Chromate Potash, Scotch, cur'y 1294@ 1334 Bi-Chromate Potash, American, cur'y 1296@ 13	LONDON, Sept. 15, 1877. Trade during the week, although not brisk, was	THOMAS D. STETSON,	
Blanching Powders gold	more animated, it being felt here that paper manu	Solicitor of Patents,	
Blackley Blue, gold	facturers have worked down their entire stock and are now compelled to come into our market and buy	AND MECHANICAL EXPERT IN PATENT CASES,	
Clay English # ton gold	at best possible terms. From America also a few orders were received.	No. 23 Murray St., New York, Respectfully offers professional assistance in	J. D. DIEMAN DE DIEMAN
Clay, American, # ton 15.00 @ 17.00	RAGS,-Fine White Linens moved freely and mid-	Caveating. Searching on Novelty.	
Copperas, American, P b	dle classed Strong Linens were in good request. Fine Cottons unchanged, while lower graded Cottons were	Determining if clear of previous patents.	
Prussian Blue, ♥ b	more or leas neglected.	Securing Designs, Trade Marks and Copyrights.	
Rosin, common strained, P bbl 2 (1 21/4 Rosin, No. 2	WASTEPAPERS.—The American orders referred to above were almost entirely for these; a few good	Contesting Interferences. Securing Protection in Foreign Countries. Making Conveyances.	Contraction of the second
Rosin, No. 1	parcels changed hands, so that holders are again	Reissuing. Opinions on Infringements.	LARGEST STOCK AND GREATEST ASSORTMENT IN THE COUNTRY
Rogin, pale 334 Rosin, extra pale 4.00 4.50 Sal Soda, N. U., # D. gold 1.356 1.45 Sal Soda, American, currency 1366 1.45	stiffer with prices.	Defending against Attacks. Proceeding against Infringers.	J. G. DITMAN & CO.
Boda Ash, gold	The French Market.	Advising at all stages. Mr. STETSON asks increased business on the follow-	
Boluble Blue 00 90 Sugar Lead, White 19 90 91	PARIS. Sept. 10, 1877.	Adaptation.	VNIVES FOD DADED MILLS
Sugar Lead, Brown	PAPER AND PAPER STOCKThe sale of papers continues slow, although in view of a change manu-	Mechanical Training. Experience.	KNIVES FOR PAPER MILLS
Ultramarine, W ID, gold 20 1 au	facturers continue regular provision. A reduction in	Central Location. Modern Facilities. Moderate Prices.	
Venetian Red, 2 5	price of ten per cent. has taken place in some kinds of paper, but this is mostly due to the lessened cost	Personal Attention	Paper Cutting Machinery.
Yellow Ochre 1/4@ 1/6	by the use of wood, &c.	An Assistant in Washington. Frequent visits there.	
THE ADDED THE ADDED	WOOLEN RAGS.—Business is very calm, except in some privileged kinds, and no immediate prospect of	Best Foreign Agents. Mr. Stetson represented Messrs, Fairbanks in ex-	PAPER MILL FLY BARS AND BED PLATES.
PHILADELPHIA MARKET.	improvement.	tending the Railroad Track Scale patent, Sir William	RAG CUTTER AND TRIMMING KNIVES.
Paper Stock.	A duranti com ante	Thompson in patenting the Atlantic Telegraph In- strument, and Mr. Corliss in patenting the Centen- nial Exhibition Engine.	
White Rags 51/20 53/2 Mill Assorted White Rags 6 6/4 White Shirt Cuttings. No. 1 7/20 8	Advertisements.		All Work Fully Warranted in Every Respect.
White Shirt Cuttings, No. 2 6 @ 6%	TITANTED-TO PURCHASE FOR CASH, FLAX	Wm. Zinsser & Co.,	Send for Cuts of our
Eotton Canvas, No. 1. B/4@ 6 Cotton Canvas, No. 2. 4 6 4/4 Linen Canvas, No. 1. 5 6 5/4 Blues and Thirds 3/4@ 3/4 3/4@ 3/4	WANTED-TO PURCHASE FOR CASH, FLAX waste, flax tow. raw flax, hemp and jute waste. Address ALBERT J. NELSON, Linlithgo, N. Y.	107 William St. N. T	IMPROVED ANGLE BED PLATE,
Blues and Thirds 81460 334	Linlithgo, N. Y.	197 William St., N. Y.,	THE BEST BEATING PLATE IN USE.
Blues and Thirds 3/46 3/4 Cutors 2/46	WANTED-BY A YOUNG MAN WHO HAS some knowledge of the paper stock business, a	SEALING-WAX	
Kentucky Bagging 43k@ 5	position as salesman with some well established house; present salary not so much an object as a chance to improve. Address PAPER STOCK,	OF ALL GRADES.	TAYLOR & CORSER,
Manila Rope	chance to improve. Address PAPER STOCK, Box 5,514, N. Y.	Wrapping Sealing-Wax at Low Prices of all	
Hard Woolens 1466 34 Hard White Shavings, No. 1 5360 54 <td>WANTED-A SITUATION AS FOURDRINIER machine tender. Will furnish reference if de-</td> <td>grades and colors a specialty.</td> <td>Riegelsville, Warren Co., N. J.</td>	WANTED-A SITUATION AS FOURDRINIER machine tender. Will furnish reference if de-	grades and colors a specialty.	Riegelsville, Warren Co., N. J.
Mixed Shavings, No. 1	sired. Address, H. L. F., Box 232, Watertown, N. Y.	WATERPROOF	F. S. TAYLOR, G. A. CORSER,
Mixed Shavings, No. 2 Mixed Shavings, No. 2			OF LATE FIRM TAYLOR, STILES & Co., Musconetcong, N.J. A. HANKEY & CO., Rochdale, Mass.
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Ordinary Prints 19400 2	customed to using all classes of stock and fibres;	PRULING DURING	LOBDELL CAP WHEEL COMPANY
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ing rolls intended to be part of a complete paper machine. These rolls are of cast-iron, chilled at the surface in casting, and thereby made hard, like tempered steel. They are separately ground according to a highly im proved plan, and are so true that, when placed together, they hear upon each other through-

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