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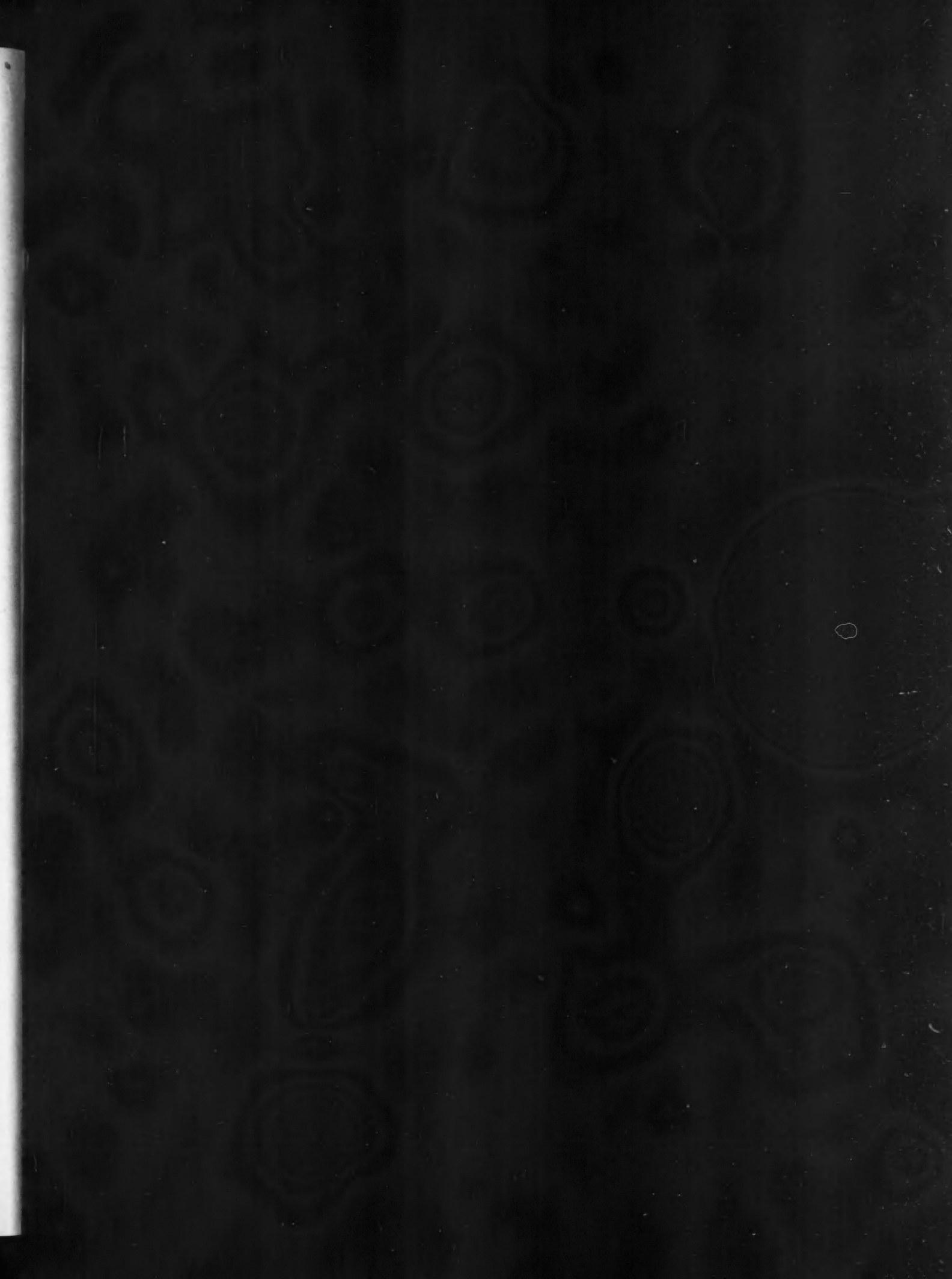
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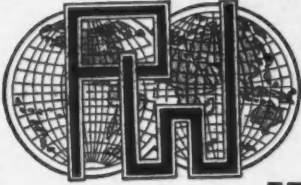
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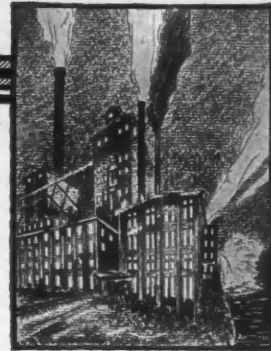
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THE INTERNATIONAL WEEKLY OF THE PAPER AND PULP INDUSTRY

FORTY-SEVENTH YEAR

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NEW APPLICATION IS FILED TO REOPEN NEWS PRINT CASE

Guthrie B. Plante, Counsel for the Publishers, Petitions the Federal Trade Commission for a Rehearing on the Question of Cost—Commission, He Contends, in Its Last Price Award Did Not Base Its Findings on the Average Fair Manufacturing Costs—Felt Section Is Disbanded—Improvements at the Forest Products Laboratory—Judge Covington Not to Act in News Print Case.

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., January 6, 1919.—With the purpose of proving that the finding of the judges of the Second Circuit Court, together with the Federal Trade Commission's own determination of the price of news print during the period of the war and for three months thereafter, fixes too high a figure, based on the cost of production, and that the publishers are entitled to relief in a lower price, Guthrie B. Plante, counsel for the American Newspaper Publishers Association, has just filed with the commission an application for a rehearing on the question of cost.

In his application Mr. Plante reviews the course that was pursued and the results of the findings, and declares that the commission and the judges who acted as arbitrators overlooked the principle established that "the maximum selling price should be based on an average of the reasonable capital investments and fair manufacturing costs to the signatory parties—other than Gould and Brompton Companies."

The argument is that, though the costs of the International and Spanish River concerns have increased because of the advance in wages of labor and freight charges, other items of cost have decreased and, in a measure at least, if not in toto, offset these increases. This, Mr. Plante contends, should be taken into consideration, just as the judges and the commission took into consideration the advances. Costs, he contends, have not grown greater in all mills, and an average should be maintained and enforced; otherwise some companies would profit unduly and publishers would be mulcted in more than they should be called upon to pay. The commission, he contends, did not base its findings on the average fair manufacturing costs, but they were made by adding to the prices fixed by the Circuit Court judges certain items of added cost that were not applicable to all eight manufacturers signatories to the agreement upon which the matter of price-fixing was taken before the commission.

Mr. Plante contends, further, that in the light of the testimony elicited at the Canadian hearings, subsequent to the latest award of the Federal Trade Commission, the average cost of news print since April 1, when the first award was made by the commission, has been established at less than \$50.25 a ton.

Judge Covington Not to Act in News Print Case

Judge J. Harry Covington, who was appointed umpire several weeks ago by the War Labor Board in the wage controversy between the news print manufacturers and their employees, has definitely decided that he will be unable to act as umpire owing to press of other business.

It is understood that the War Labor Board will probably appoint another umpire during this week to try and clear up this case, which has been dragging along for months without definite action.

Improvements at Forest Products Laboratory

Announcement has been made here by the Forest Service that the Forest Products Laboratory, at Madison, Wis., has just started its new circular sawmill, which has a capacity of 20,000 board feet

daily. The first log sawed was long leaf yellow pine and was part of a shipment secured from Louisiana for the Section of Timber Mechanics, which has charge of timber tests at the laboratory.

When fully equipped the mill will have, in addition to the main sawmill, which is driven by a 150-horsepower motor, a power rip saw, table saw, jointer, and a chipper for the use of the Section of Pulp and Paper. A spur track runs directly into the mill so that logs may be rolled directly from cars to the log deck, from which they are rolled on to the saw carriage.

It is explained that the mill will be used to saw out material which cannot be readily obtained commercially for various experimental projects, including tests of mechanical properties, preservative treatment, fire and moisture resistant treatment, and kiln drying.

Report on Rosins

The Chief of the Bureau of Chemistry in making his annual report to the Secretary of Agriculture has the following to say in connection with naval stores:

"Data on the extent of adulteration of turpentine and misgrading of rosin for the last three years have been compiled. Information on the commercial weighing of naval stores has been gathered. Observations which indicate that adhesives containing rosin in combination with various oils can be used satisfactorily in the manufacture of fibre and wall board requiring special waterproof properties have been made. Glass rosin type samples have been deposited with the Chamber of Commerce, Pensacola, Fla., and with the United States Food and Drug Inspection Station, Boston, Mass. The British Government Inspection Bureau has been assisted in purchasing rosin."

Disposition of Enemy-Owned Patents

What final disposition will be made of the valuable enemy-owned or controlled dye patents is a matter which is interesting many. These patents are estimated to be valued at between \$50,000,000 and \$250,000,000. A. Mitchel Palmer, custodian of alien enemy property, now holds them in trust.

The Federal Trade Commission has been simply flooded with applications for the use of these patents. Some of those making the applications, it is understood, have expressed the fear that these patents, when peace is finally declared, will be returned to their owners.

The thought that after having discovered German secrets and making possible the world's independence of German chemistry as far as it applies to dyes the patents may be restored to the enemy, is worrying many American manufacturers and dealers, judging from the communications which are being received by the Federal Trade Commission. Officials in the office of Mr. Palmer are not disposed to return to Germany these patents. It is said that legislation may be needed to settle this whole dyestuff matter when peace is finally signed.

In Restraint of Free Competition

A rather peculiar situation has arisen here in connection with a statement made a few days ago by officials of the Department of Justice that concerted price fixing by any industry after the Government ceased to exercise price control on January 1 will be considered as in restraint of free competition.

The statement was made by officials of the department in answer to inquiries as to what would happen to war-time price fixing when the War Industries Board ceased to function at midnight on December 31.

The statement of the Department of Justice officials is all the more interesting because there are still a number of prices effective under the rulings of the Price Fixing Committee, the last of which ends about April 1.

It is understood that a conference has been arranged between R. S. Brookings, chairman of the Price Fixing Committee of the

War Industries Board, and officials of the Department of Justice, and that some statement will be issued by the department making official such prices as still exist under the rulings of the committee. It is also expected that the President will issue some kind of a proclamation in the near future in this connection.

To Legalize Informal War Orders

The Senate Committee on Military Affairs yesterday reported favorably to the Senate the Hitchcock contract bill "to legalize informal or defective orders for war supplies and materials; to provide for the cancellation of orders and contracts; for the reimbursement of contractors and manufacturers; for the adjustment of claims on cancelled contracts or orders; to provide for the partial payment of awards, pending final determination, and for the creation of an adjustment commission." This bill is much more comprehensive than the Bent bill of the House.

Assistant Forester Hall to Return

William L. Hall, assistant forester of the United States Forest Service, who resigned some time ago to join the new forestry battalion which was being formed, and who was commissioned a major, will return to his old position in the Forest Service about the middle of this month.

Officials of the Forest Service have been informed that the first and second battalions of the forest regiments were notified to be ready to return to the United States on December 15. Up to this time officials here have not been notified that the battalions have embarked.

Felt Section Disbanded

The War Industries Board today officially announced the disbandment of the Felt Section. Sylvan I. Stroock, chief of the section, returns to his business, S. Stroock & Co., New York City, manufacturers of felt; E. N. Huyck returns to his business, F. C. Huyck & Sons, of Albany, N. Y., manufacturers of paper makers' felt, and Fletcher H. Montgomery returns to his position as president of the Knox Hat Company, of New York City.

Should Consider Child Labor Anew

"There can be no doubt that the time has come when the whole subject of child labor should be considered anew with reference to education as the most effective and profitable means of control," says Miss Julia Lathrop, Chief of the Children's Bureau, in her annual report to the Secretary of Labor. Continuing on the subject of child labor Miss Lathrop says: "The need of fuller information as to the amount of child labor, the tendency to increase or decrease in certain industries or at certain seasons, is particularly great now under the conditions created by the war. A plan is now in preparation which promises to secure material never before available. In co-operation with a committee of State officials appointed at a conference called by the War Labor Policies Board the Bureau is preparing a plan of uniform reporting of work certificates issued to children in States having certificate requirements; the Bureau will furnish the blanks and publish the returns. The value of such information does not need to be pointed out.

"The act creating the Children's Bureau and directing it to investigate and report upon all matters pertaining to the welfare of children mentions especially the employment of children. It has, therefore, been possible for the Bureau to continue with the force available under its general appropriations some brief studies of children at work and of the effect of the operation of the law upon the organization of the establishments where children were employed before the law went into effect. The studies referred to have been made in child-employing centres in three States. In two of these a number of children had been completely eliminated from the industry on account of the Federal law, and in the third the hours of children in factories had been cut from ten to eight per day. The results of the studies in these places

show that the Federal law caused but little disturbance to industry, and but little, if any, hardship to the children affected or to their families.

"It is generally agreed that a good child labor law should establish an educational minimum, a physical minimum, and an age minimum which a child must reach before he is graduated from the training period of his life into the wage-earning period. The United States child labor law fixed no educational or physical standards. The age and hour standards which it laid down were not so high as the standards which certain States require; they are practically identical with those of a large number of States and are higher than the standards in some States."

In her report Miss Lathrop reviews from the beginning the whole child labor situation and advocates another Federal law on the subject of child labor.

Scrap Paper in the Navy

The Paymaster General of the Navy in his annual report to the Secretary has the following to say about scrap paper:

"Because of the shortage of paper stock, instructions were issued to all navy yards and large stations for the salvage of scrap paper, with due regard to paper bearing military information. Information was given as to the amount of separation and classification of paper stock which could properly be conducted with the grades of paper produced by the navy. At one station the receipts to the navy for the sale of paper will be over \$10,000 per year. At some stations the waste paper is still being burned or otherwise destroyed; but this will soon be turned into revenue-producing material. The prices received for various classes of waste paper are from \$9 to \$19 per net ton. The cost of collecting and baling is very little, as the work is usually done by janitors in addition to their other duties, or by working parties or prisoners."

Chemistry Bureau Reports on Paper Containers

The Chief of the Bureau of Chemistry in making his annual report to the Secretary of Agriculture has the following to say in connection with paper and paper containers:

"Assistance has been rendered the Navy Department in securing satisfactory blue and brown print paper, and a communication on 'Blue and Brown Papers, Characteristic Tests and Specifications' has been made. Recommendations made to the General Supply Committee and other Government departments that lighter-weight blotting paper be used have been adopted. The conditions prevailing in the paper industry have helped the propaganda which for some years the bureau has been pushing to conserve paper-making materials through the use of lighter-weight papers.

"The description of a photometer for the measurement of the translucency of paper has been made public.

"At the request of the Navy Department the development of a water-resistant fibre shipping container, strong enough to substitute for the wood canned goods shipping case was attempted. Specifications for such containers were submitted to the Navy Department, and adopted in all essential particulars by the Fibre Board Manufacturers' Associations and by the Food Administration. Inasmuch as the usual paper-testing methods are not adequate for determining the utility of fibre board for shipping containers, a new impact tester has been developed for this purpose.

"The War Department has been assisted in securing a satisfactorily wrapped bale for shipments overseas, and the specifications drawn for baling paper have been adopted by the War Department.

"Because of a threatened shortage of tin plate, the possibility of using various types of fibre containers for certain foodstuffs ordinarily packed in tin was considered essential for the manufacture of tin plate, led to an investigation of the use of hydrogenated cotton seed oil as a substitute for palm oil. It has been shown that palm oil is not essential for the production of tin plate."

POWER BAN OFF AT NIAGARA BUT NO MORE MILLS START

Defiance Paper Company, However, in Addition to Mill Already Started, Is Preparing to Begin Operations at Capacity, Just as Soon as Men and Materials Can be Obtained—Niagara River Manufacturing Company it Is Reported Will Never Manufacture Pulp Again, But Will Start Making Another Product Not Connected With the Paper Making Industry—Beaver Board Agents to Meet.

[FROM OUR REGULAR CORRESPONDENT.]

NIAGARA FALLS, N. Y., January 6, 1919.—The power ban was raised last Thursday, but to date it has not effected the paper industry here. The ban, which was placed last February by the Federal government, was for the purpose of converting the power to plants making war essentials. The paper concerns effected were the International Paper Company, the Cliff Paper Company, the Defiance Paper Company and the Niagara River Manufacturing Company. Several months ago the Defiance company succeeded in getting a block of power that was released by an up-river factory that had been working on war orders. The company has been making paper since that time. Now it is expected to start at capacity just as soon as material and men can be obtained. The Cliff company will not start operations until next summer. The International company is changing its power producing methods, and the indications are that it will take several months before the wheels will be started. The Niagara River Manufacturing Company will probably never start manufacturing pulp again. It is said on good authority that the company will start in the manufacture of another product not connected in any way with paper-making. The power ban has certainly put a crimp in paper-making on this frontier.

Newsprint Should Be Selling at Four Cents

"Paper should be selling at four cents a pound," Nelson J. Bowker, general manager of the Pettebone-Cataract Paper Company told THE PAPER TRADE JOURNAL correspondent yesterday in discussing trade conditions. "The rate fixed by the Federal Trade Commission is too low." Mr. Bowker criticised the commission for permitting the newspaper publishers to prevail on them to fix the rate at such a low price that it was impossible to make a fair return on investment considering the high cost of materials and labor. He said that the rate fixed by the courts on appeal is also too low. Mr. Bowker expressed the opinion that the paper manufacturers should have had better representation on the commission.

The Pettebone-Cataract Company was only slightly effected by the power ban. The company manufactured power direct from water taken from the hydraulic canal, but the power company diverted the water from the paper company for about two months. The Pettebone-Cataract Company is again running its plant at capacity. Mr. Bowker said that nearly all the old help had returned to work and he was not experiencing much difficulty in getting competent help.

Beaver Board Selling Agents to Meet

More than forty selling agents of the Beaver Board companies will meet in Buffalo this week for the annual sales conference to be held at the Hotel Statler. The conference will be opened by an address by President W. F. MacGlashen. There will be an illustrated talk on Northern Ontario by J. B. O'Brien, who has charge of the company's timber operations in that section. Following the session Wednesday morning, the representatives will be taken to inspect the Beaver Board mill at Thorold, Ont. The capacity of this mill has been doubled during the last year

by the installation of an additional fibre fabricating unit at a cost of more than \$1,000,000. The meetings on Thursday and Friday will be held at the company's offices.

Power Need on Niagara Frontier

When Secretary of War Baker was the guest of the Buffalo Chamber of Commerce last Saturday night, President Henry D. Mills took occasion to tell him of the great need of power on the Niagara frontier. While making his annual report, President Mills said:

"A matter of vital importance in the western section of New York State is the providing of an abundance of electrical power generated at Niagara Falls." Then he told of the consolidation of the power interests here and proposed expenditure of \$5,000,000 to generate an additional, 60,000 horsepower, which is already under way and being rushed. "The Federal government," he said, "should do its part now in seeing that the companies have proper legislation from Washington, so that the full amount of water, which is available under the treaty on the American side, is used properly under the highest efficiency, so that they can proceed with the larger development (100,000 horsepower) in after-war industrial development at Buffalo and along the Niagara frontier. Buffalo suffered severely by the mistaken policy of the Federal government from 1910 to 1917. Congress has not passed any law or indicated any purpose to pass a law to settle the question of Federal license to use the full amount of water permitted by the treaty for power purposes. With so much water available at Niagara Falls, there is a lamentable failure to observe the laws of conservation when, through restrictive legislation by Congress, this community is forced to be a larger user of coal for power purposes. Our neighbor across the river is making no such mistake."

W. M. Donaldson Heads Paper Business

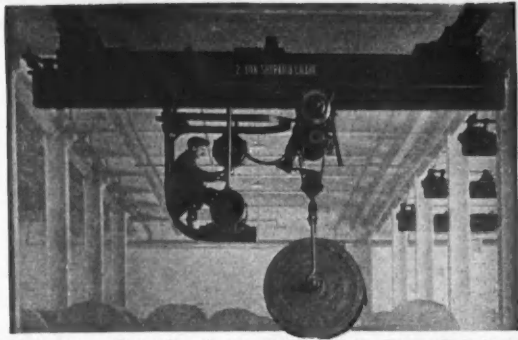
HARRISBURG, Pa., January 6, 1919.—W. M. Donaldson, banker, business man and prominent in civic activities, steps out as the head of the Donaldson Paper Company to-day and is succeeded by his son, J. Allan Donaldson, who has been identified with the business for a number of years.

In 1883, Mr. Donaldson in association with R. A. Johnston organized the Johnston Paper Company, which was first established in the old Shakespeare Hall, the site of the Telegraph building. He had previously been engaged in similar lines at Philadelphia and had dealings with Mr. Johnston in this city. Impressed with the wonderful future of Harrisburg as a railroad center and distributing point, he proposed the business partnership which followed and which continued until 1906, when Mr. Johnston retired.

Meanwhile, Mr. Donaldson had purchased the property at Second and Locust streets. This building was subsequently enlarged by the addition of a modern warehouse with all facilities for handling paper in bulk.

Under the direction of Mr. Donaldson the business was developed to its present large proportions, and when his son started at the bottom he was constantly in the mind of the father as his probable successor in the business. The change now is the culmination of the years of testing, and the young man takes the helm with the good wishes of the business community and a large circle of friends.

W. M. Donaldson, as the pioneer in the paper business here, is widely known in financial, business and Masonic circles. He has given much time to the development of the great Masonic Home at Elizabethtown, and in all civic activities has been among the leaders. He has desired for some time to relinquish some of the burdens of the business and felt that the close of the war and the opening of a new era presented an auspicious time for the change.



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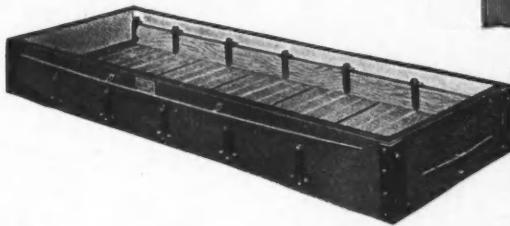
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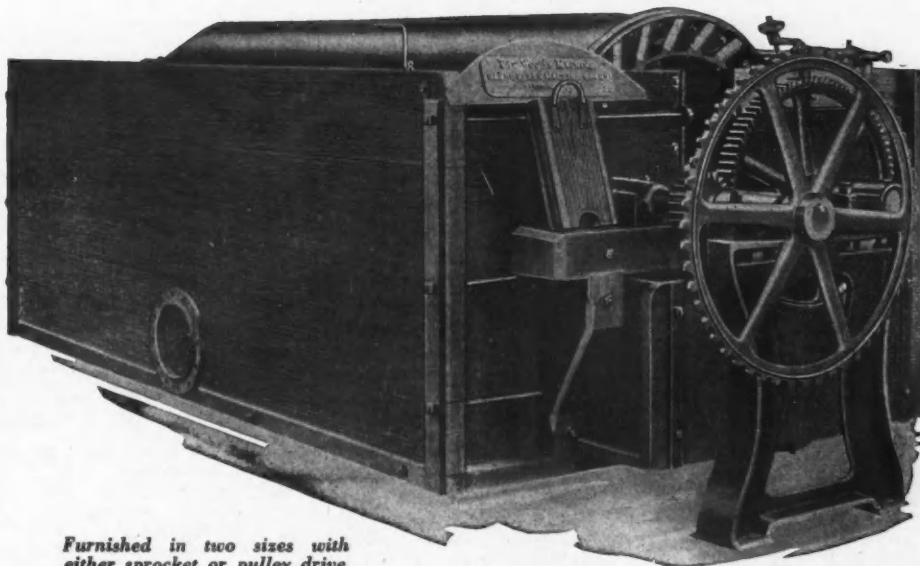
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KALAMAZOO PAPER MILLS FORM COST ASSOCIATION

Organization Is Open to All Mills in the Kalamazoo River Valley and Has Been Formed to Consider Cost Systems in All the Mills—George T. Jubb of the Kalamazoo Is the First President of the Association—M. C. J. Billingham, Architect and Mill Engineer, Who Has Just Returned from Canada, Says Paper Industry in That Country Will Boom—M. Fisher & Son Plan Improvements.

[FROM OUR REGULAR CORRESPONDENT.]

KALAMAZOO, Mich., January 6, 1919.—The Kalamazoo Valley Paper Mills Cost Association has been formed in this city with the following companies enrolled at the first meeting: Kalamazoo Paper Company, King Paper Company, Monarch Paper Company, Kalamazoo Vegetable Parchment Company, Hawthorne Paper Company, Standard Paper Company, Kalamazoo; Lee Paper Company, Vicksburg; Michigan Paper Company, Plainwell, and the Bardeen Paper Company, Wolverine Paper Company and Otsego Coated Paper Company, Otsego.

The organization is open to all mills in the Kalamazoo River valley and was formed to consider cost problems and to promote cost systems in all the mills. Regular meetings will be held and from time to time well-known members of the trade will be invited to be present and address the organization. The next meeting will be on January 27.

The officers and committees named are:

President, George T. Jubb, Kalamazoo Paper Company.

Vice-president, C. V. Kean, Jr., Bardeen Paper Company.

Secretary, H. C. Bradford, King Paper Company.

Treasurer, P. L. Broesamle, Monarch Paper Company.

Program committee, C. V. Kean, Jr., H. C. Bradford, G. T. Inling.

Finance Committee, P. L. Broesamle, F. S. Faling, J. T. Bachelder.

Standard Paper Co. Makes Improvements

A very decided improvement that will be noticeable next spring and is certain to be greatly appreciated by residents in that part of the city is the Standard Paper Company's new park. This company has recently taken over a triangular piece of land, formerly an unsightly mudhole, and filled in the entire area, seeded it down and planted trees and decorative shrubs. All the work done will result in the transformation of an old eyesore into an attractive spot.

The company has just completed the erection of the second concrete chimney for its boiler house and will now remove both the iron stacks. A large section of the loading docks have also been rebuilt.

D. Graff & Sons to Build

D. Graff & Sons, dealers in paper stock, will erect a building this year that will triple the present capacity of the concern. This company is located at the intersection of East Willard street and the Chicago, Kalamazoo & Saginaw Railroad, and in 1916 erected a two-story brick building there, the initial unit of the plant. In 1917 an addition was built and the structure covered an area of 55,000 square feet of sprinkled floor space. Additional land has been purchased and the building to be erected this year will be 110,000 square feet in area. Like the initial structure it will be of the high grade, slow burning type and fully protected against fire loss.

"Our present plant is one of the best in America," said Sam Graff, member of the organization. "It is fully equipped with mechanical appliances that insure the greatest production at a

minimum of cost and labor. All paper stock brought in for sorting travels on moving carriers and does not have to be trucked from place to place. We also have heavy freight elevators for conveying the stock from one floor to the other.

"The building to be erected this year will be in every way in keeping with our present structure, modern and up to date, and when completed should give us one of the largest and most complete establishments for handling paper stock in America. We have side track facilities for 36 cars at one time, so we are well fixed in that respect."

The business of D. Graff & Sons has been developed during the past five years and now runs into the millions annually.

Canadian Paper Industry to Boom

M. C. J. Billingham, architect and mill engineer, has returned from a recent trip to Canada and reports a great boom in the paper industry at hand there. He was called there in conference with the heads of several companies located in and near Toronto. The matter of improvements and enlargements to properly care for future business requirements was discussed generally.

"There is every indication of very active building operations and expansions on the part of the Canadian paper mills," said Mr. Billingham. "While I am not at liberty at this time to give the names of those concerns that contemplate enlargements, I can say that the work will be extensive. I look for the erection of new mills and enlargement of mills now in operation. Lines of manufacture will also be added to. Canada is evidently planning to make the most of the paper industry."

M. Fisher Plans Improvements

Another Kalamazoo paper stock house that is planning enlargements in 1919 is that of M. Fisher & Son, East Kalamazoo avenue and Lake Shore & Michigan Southern tracks. They have a plot of ground 60 by 160 feet in extent, with loading track adjoining. They will erect a building that will practically cover this area and capable of caring for a rapidly expanding trade. The first unit of this structure was erected in 1917, but further operations were stopped at that time.

From Calender Boy to Lawyer

From boy helper in the calender room to practicing attorney marks the rise of Jacob F. Dalm, of the law firm of Jackson, Fitzgerald & Dalm, of Kalamazoo. This lad at the age of 16 years left Holland in 1907 and came to America. He had to work and got a place with the Bryant Paper Company. He was very ignorant, knowing no English at the time. In just six weeks he had both hands chewed off by the rolls of a calendar and was a pitiable sight to behold.

The Bryant Paper Company settled his claim, a rather heavy one, and Jake got down to serious business. No longer able to work, he started in school, taking the grades and high school in turn, then going to Kalamazoo College and the University of Michigan and finishing with a degree in law and graduating with honors. He has been examined and admitted to the bar and began regular practice January 1, 1919.

General Trade Notes.

Alexander L. Clark, secretary of the Standard Paper Company, is a victim of the Spanish influenza and seriously ill at his home in this city.

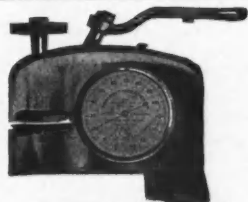
Lieut. Joe G. Turpin, of Camp Zachary Taylor, Ky., has been a holiday visitor with his friends in Kalamazoo. Joe looks as neat and trim in that well fitting khaki uniform as a fresh government bond. He expects to be mustered out in a short time and hopes to return to the vocation of paper salesman. He was with the King Paper Company of Kalamazoo when he enlisted for service and came here from the Miami Paper Company, West Carrollton, Ohio. He is popular with the trade and should be able to land a good place as soon as at liberty.

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GOOD OUTLOOK IN CANADA FOR THE PAPER INDUSTRY

F. J. Campbell, President of the Canadian Pulp and Paper Association, Is Optimistic About the Future, Notwithstanding the Presence of Two or Three Disturbing Factors—Shareholders of the Riordan Pulp and Paper Company to Meet in Montreal January 31 to Approve Issue of \$4,000,000 Bonds, Representing the Interest of the Firm in the Kipawa Fibre Company.

[FROM OUR REGULAR CORRESPONDENT.]

MONTREAL, Que., January 6, 1919.—F. J. Campbell, president of the Canadian Pulp and Paper Association, in an interview on the outlook of the pulp and paper industry for the new year, says that it is reasonably optimistic, notwithstanding the presence of two or three disturbing factors.

After recalling that during the four-year war period Canada's annual production of pulp and paper has risen in value from \$40,000,000 to close upon \$100,000,000, Mr. Campbell says that at present the demand outstrips the supply, and the probabilities are that this condition will continue for some time to come, the world's normal supply of paper products having been seriously depleted during the war.

"It remains to be seen," he remarks, "whether or not the industry will be able to keep up to its war-time strength now that peace is in sight, and competitive conditions in the world's markets are to be expected. It is unfortunate for the industry as well as for the country that government interference with the manufacture of paper in Canada during the past two years has prevented the expansion and development which would normally have followed a rising market. No new paper mills have been erected in the Dominion during this period, and only unimportant additions have been made to any already in existence. Capital could not be persuaded to embark upon a manufacturing industry whose output was subject to government control and political caprice. Had it been otherwise, the paper-making industry of Canada would today have been in a stronger position to face its post-war problems. Consumers of paper would also have had the benefit of an increased supply.

"Next to the requirement of a free hand to meet world competition, the industry demands adequate shipping facilities. Today there is a strong demand for Canadian pulp and paper from Australia, New Zealand, Japan and South America, and, for the immediate present, from Europe, but unfortunately there are few, if any, ships to carry them in.

Transportation Rates Too High

"Even where ocean tonnage is available in limited measure, the rates are so high as to be almost prohibitive. Paper exporters are being asked to pay as high as \$100 a ton on paper shipped from our ports to Australasia. This does not include the cost of transportation overland from the point of manufacture. Such rates are more than the traffic can bear. American shippers are already gaining upon us through being able to obtain tonnage, and we shall continue to be handicapped until ships are provided and freight rates are reduced to a reasonable basis.

"Neither do our transportation difficulties stop with the scarcity of ships and the high rates for ocean tonnage. Railway freight rates have been increasing very rapidly in Canada, and now constitute a serious menace to our growing trade. This has been done largely in sympathy with railway operation in the United States. It may be questioned whether Canadian industry can continue to thrive under such conditions. One of the causes of the abnormal rates is to be found in the fact that our rail-

ways have been forced to follow the lead of the United States Government Railroad Administration in the wage schedule adopted.

"Arbitrary wage scales, formulated in Washington," he says, "have been put into effect in Canada under conditions totally different from those which justified them in the United States. A wage scale which may be fair and reasonable under conditions prevailing in thickly-settled centres of population in the United States, where the cost of living is much higher than it is in Canada, may be entirely unwarranted when applied to sparsely-settled communities such as we have in Canada, where the conditions of life are much less onerous. As over four tons of freight go into a paper mill for each ton of finished product that comes out, the seriousness to the industry of the present high rates can be readily appreciated. Abnormally high and arbitrarily fixed wages in one industry naturally react upon others, and in the end a condition is created which renders it impossible for an industry to meet competitive conditions and survive.

"The high cost of building in Canada at the present time also militates against the expansion of our industries. Before we can do much in the way of increasing our manufactures, we must find a way of bringing this excessive cost nearer to the normal. It is true that we enjoy exceptional advantages in the possession of vast stores of raw materials, but raw materials unutilized bring no wealth to the country. There must be applied to them labor and conversion before they can become a marketable commodity, and the cost of such labor and conversion must not be disproportionate to their cost in similar industries elsewhere, if we are to get our share of the world's trade."

Riordan's New Development

A special meeting of the shareholders of the Riordan Pulp & Paper Company will be held in Montreal on January 31 to approve an issue of \$4,000,000 of bonds by the company, representing its interest in the Kipawa Fibre Company, which was organized to develop a new high grade pulp proposition in addition to the two mills already operated by the company. At a special meeting of the shareholders last September authority was given to issue \$3,000,000 of bonds for a similar purpose, but the approach of the Victory Loan campaign prevented any action being taken at that time. The directors feel that the present is an opportune time for the flotation of the issue. It is believed that a public invitation to subscribe to these bonds will be issued in February. Meanwhile excellent progress is being made on the construction of the buildings for the Kipawa plant, and the more important buildings have already been roofed in. The plant is expected to be in operation some time toward the end of the present year.

The Kenogami Mills to Add Machine

It is announced that a fifth paper machine is to be ordered for the Kenogami Mills of Price Bros. & Co. This will put the company in the lead as regards quantity production of news print in Canada. The company's present production with four machines is 220 tons per day, as compared with 225 tons from the four machines of the Abitibi Power & Paper Company; 220 tons from the four machines of the Spanish River Mills at the Soo, and 210 tons from the Laurentide Company's plant.

Paper Destroyed by Fire

Damage estimated by the officials of the company at \$100,000 was done by fire at the premises of the Belgo-Canadian Pulp & Paper Company, Shawinigan Falls, last Thursday night. The fire is thought to have started through a defective electric wire in the shed used for depositing paper to be shipped. There were fifteen cars loaded with pulp and paper in the shed, and these with the shed were destroyed. The flames for a time threatened the remainder of the plant, but the firemen managed to confine them to the one shed.

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Will Erect Large Shipping Room and Warehouse and Will Also Build Another Story on the Machine Factory Building—Firm Now Has Eleven Paper Bag Machines and Another Carload of Machines Is on the Way—Suit Against John Strange, the Well Known Paper Manufacturer, by Gustave Pabst, Is Dismissed—F. J. Sensenbrenner Is Pleasantly Surprised by Business Friends.

[FROM OUR REGULAR CORRESPONDENT.]

APPLETON, Wis., January 6, 1919.—The Victory Bag and Paper Company, of Marinette, Wis., has awarded a contract for the construction of a building 117 feet long and 50 feet wide to be constructed before spring. This building is an addition to the factory completed a few months ago. The new structure will be rushed to completion as rapidly as possible to relieve the congestion in the main building, and it will be used as a shipping room and warehouse.

The company has completed plans for building another story on the main factory building, and this addition is to be started early in the spring. As soon as it is completed the frame building which is now used in addition to the main structure will be converted into a factory for the manufacture of a new product.

The Victory Bag and Paper Company now has eleven paper bag machines and two bundling presses in operation. All are running at capacity. Another carload of machines is on the way, and by the middle of January, when the new machines are installed, the factory will have a capacity of nearly 2,000,000 bags daily. It is planned to increase this capacity about the middle of February by the addition of more machines.

The first carload of bags made at the factory were shipped last week, and from now regular shipments will be made. The plant closed down Monday, December 30, to January 2. Each employee was given a gold piece for Christmas. The company's plans for 1919 are extensive, and it was stated by A. Pereira, the general manager, that before the end of the year several hundred hands will be given employment and a new product is to be manufactured.

F. J. Sensenbrenner Surprised

Frank J. Sensenbrenner of the Kimberly-Clark Company was surprised on his birthday anniversary last Monday when he was the guest of honor at a banquet given by his associate members on the Neenah War Relief Organization at the Valley Inn.

The party was prepared without the knowledge of Mr. Sensenbrenner and his surprise when the doors of the banquet room were thrown open was a joy to the other guests. Mr. Sensenbrenner acknowledged the hearty greetings of his fellow workers and then proceeded to extinguish the birthday candles and cut the birthday cake in regulation manner.

Guests at the party were F. E. Ballister, E. J. Lachmann, F. E. Lampert, John S. Sensenbrenner, F. E. Sensenbrenner, D. K. Brown, George O. Bergstrom, D. W. Bergstrom, C. H. Bergstrom, Mayor C. B. Clark, A. W. Anderson, Harry K. Babcock, James W. Bergstrom, J. C. Kimberly, Ernst Mahler, Harry Price, Frank A. Leavens, Henry F. Kruger, Eli Defnet, W. Z. Stuart, F. J. Sensenbrenner and D. W. Dunham.

Suit Against Mr. Strange Dismissed

Under the terms of a stipulation entered into by the parties concerned in the litigation, Judge Burnell, of the Winnebago county circuit court signed an order directing the case of Gustave Pabst, wealthy Milwaukee brewer, against John Strange of Menasha, prominent paper manufacturer, be dismissed upon its merits and without costs to either party.

Mr. Pabst some months ago instituted a suit for \$25,000 against Mr. Strange, alleging slander. The Milwaukee man in his complaint alleged that Mr. Strange, who is an active Prohibitionist, in the course of one of his addresses at Stevens Point, stated the plaintiff was an enemy of the United States and a friend of Germany because he was using valuable foodstuffs in the manufacture of liquor. Mr. Pabst asserted his reputation was defamed by the alleged slanderous remarks and started suit.

Mr. Strange asserted in his answer that at the time of making the speech he was not acquainted with the plaintiff and that he did not intend to refer to him personally in his address, and denied he was actuated by any malice against the defendant. He also asserted in his answer that he had no evidence or information which caused him to believe Mr. Pabst was an enemy of the United States or a menace to the peace and happiness of the country.

To Construct \$2,000,000 Dam

The construction of a \$2,000,000 dam near Ladysmith, Wis., by the Ashland Power Company will begin within a few weeks.

The company, under the control of A. E. Appleyard, obtained control of the water power sites near Mellen, on the Montreal River, where it empties into Lake Superior, on the boundary line between Wisconsin and Minnesota, of the White River south of Ashland, and of the La Flambeau River near Ladysmith.

Power plants and dams have been built at all these places, excepting on the La Flambeau River, connected up and now furnish power for Ashland, Ironwood and Hurley, the munitions plants at Barksdale, Washburn and other places.

The proposed dam on the La Flambeau will be about a half mile long, and it will take two years to construct it. It will be located fourteen miles from Ladysmith. It will be connected with Ashland via Mellen, but power could easily be conveyed to Minneapolis and St. Paul and to the ports of Duluth and Superior.

Difficulty in Getting Help

The Dells Pulp and Paper Company of Eau Claire is experiencing a shortage of help, and has sent a call to the United States employment bureau for workmen. A requisition for 25 men was placed in one day. Returning soldiers are given positions in the mill as soon as they are discharged from the service.

Many applications for help have been received from logging companies and from paper companies engaged in logging operations. There is an acute shortage of woodsmen and the production of pulpwood will be greatly reduced this winter, as compared with other years, unless there is an improvement in the labor situation.

At Neenah and Menasha a special employment bureau has been established to assist in finding positions for discharged soldiers and sailors. The paper manufacturers have all agreed to take back all the men who left their service to enter the army. Similar action has been promised by the manufacturers of Appleton, but an employment bureau is being formed to assist in placing the men in positions.

Trouble in Erecting Bridge

An effort at co-operation between the city of Appleton and the Fox River Paper Company in the construction of a bridge over the paper company's power canal for a time threatened to end in disaster. The city and company agreed to share the cost of erecting two coffer dams, but in the course of construction it was found necessary to erect a third dam. The paper company contended the city should also share in this cost, which the city has refused to do. The paper company also desires to widen its canal, and in return will relieve the city from any liability which may arise because of accidents to the bridge.

(Continued on page 18)

Double Your Factor of Safety



OF all the equipment you have to buy, none perhaps is more important than your Belting.

You'll double your factor of safety on this item and you will decimate your belting troubles of the past if you'll equip your mill with

Test Special Rubber Belting

It's a product of three-quarters of a century of progress in the Mechanical Rubber Goods field, and the trade mark it bears means it meets the high standards of its makers.

Long lived, strong, uniform in construction and always runs true. Built to last in gruelling service. It will solve your Belting problems.

THERE ARE MANY OTHER VITAL FEATURES YOU SHOULD KNOW ABOUT. WRITE US FULLY ON YOUR REQUIREMENTS.

NEW YORK BELTING & PACKING CO.

MECHANICAL RUBBER GOODS

New York

Boston

Chicago

Philadelphia

Pittsburgh

St. Louis

San Francisco



CANADA SOON MAY REMOVE NEWS PRINT RESTRICTIONS

Controller Pringle Considers the Cancelling of Restricting Orders Very Likely by the Late Spring—Government May Establish Some Mild Form of Control for the Purpose of Securing a Steady Supply of Paper for the Canadian Newspapers and It Is Not Unlikely That a Maximum Price May be Fixed for This Purpose—News-print Hearing Reopened—General Trade News.

[FROM OUR REGULAR CORRESPONDENT.]

OTTAWA, Ont., January 6, 1919.—It has been intimated to the PAPER TRADE JOURNAL by R. A. Pringle, the paper controller, that the government is considering the advisability—now that the war is over—of removing the restrictions which have been in effect over the news print industry for a couple of years. Mr. Pringle considered the cancelling of restricting orders very likely by the late spring.

He added that he considered it probable the government would establish some mild form of control permanently for the purpose of securing a steady supply of news print to the Canadian newspapers, and it is not unlikely that a maximum price would be fixed for this purpose. The War Trade Board, which was the medium through which the government secured control over most of the industries having a bearing on the prosecution of the war, is being dissolved, and this will wipe out the agency through which control of the news print industry was secured by the export licenses which were made necessary. Previous to the licensing the paper controller relied upon the customs officials and it is likely should the occasion be required again to discipline any manufacturers who may refuse to supply paper to Canadian publishers that the power of the customs department will again be called on.

News Print Tribunal Meets

The news print tribunal, appointed the last court to finally determine a fair price for news print in Canada is meeting this week. The written briefs of the paper manufacturers and the newspaper publishers have been submitted and oral argument will be made before the three Supreme Court Justices who constitute the tribunal. The court will likely determine on a price before the session concludes.

Plans of the E. B. Eddy Company

No enlargements of the plant are so far under contemplation by the directors of the E. B. Eddy Company, Limited, according to a statement from George H. Millen, the president. An important matter which is under consideration is the advisability of the concern continuing to manufacture news print paper. When the government fixed its price for paper and the Eddy company found itself supplying all its output at the fixed price, the question of whether it would not be more profitable to make other paper products for which a better price could be obtained in the open market came up, and so far no decision has been made. Mr. Millen said it might be a couple of months or so before the company would decide whether it will stick to news print manufacturing or make something else.

There is more water in the Chaudiere than usual at this time of the year, and the result is that the plant is working to a higher efficiency. Mr. Millen reports production to be normal with a keen demand for the output of the tissue paper and paper bag departments.

The year which closed December 31 was a good one, the president stated.

VICTORY BAG CO. EXPANDS

(Continued from page 16.)

A special committee has been appointed by the city government to negotiate with the paper company and, if possible, to reach an agreement.

General Trade Notes

The Krueger and Lachmann Milling Company, one of the oldest concerns in Neenah, passed out of existence at the end of 1918, after fifty years of business. The Neenah Paper Company purchased the milling company's property for the purpose of enlarging its facilities.

Henry Frolich, who left the employ of the Kimberly-Clark Company to enter the navy, expects to return to Neenah soon and resume his position with the company. Mr. Frolich held a responsible position in the paper company's office.

The Wisconsin Valley Improvement Company's report for the past week shows the company's reservoirs about two-thirds filled. The condition of the reservoir is about the same as two weeks ago. None of the swamps and lakes of the lake region are frozen and plenty of water is available, the report stated.

Emil Sieg of Appleton, who was found guilty of stealing an automobile owned by W. C. Wing of the Fox River Paper Company, Appleton, was sentenced to 18 months in the state reformatory. Sieg took Mr. Wing's car from his garage and wrecked it while joy riding. The convicted man was employed at the Wing home as chauffeur and house man. Several other young men were implicated in the theft, but were released by the jury which found Sieg guilty.

The Chippewa Power Company of Eau Claire has filed articles of incorporation with the secretary of state at Madison. The capital stock is \$200,000 and the incorporators are P. D. Kline, Donald Boyd and V. S. Hillyer.

Mrs. Evangeline Farwell of Kaukauna, widow of John H. Farwell, formerly superintendent of the Thilmony Pulp & Paper Company's mill at Kaukauna, was awarded a verdict of \$8,500 against the Travelers' Insurance Company by a jury in a Green Bay court, which held that her husband's death was accidental. The insurance company contended Mr. Farwell committed suicide.

Mr. Farwell was drowned in a canal in Kaukauna last February under rather mysterious circumstances. It was alleged at the time he had committed suicide, and the insurance company refused to pay. Mrs. Farwell contended the death was accidental and started suit to recover the amount of the policy.

Lieut. Herbert W. Brightman of Green Bay, who was discharged from the army after serving 19 months, was elected secretary of the Northern Paper Mills upon his return to Green Bay. Lieut. Brightman was a salesman for the company before he entered the officers' training camp at Fort Sheridan and won a commission.

Oneida Paper Mill Prepares for Power

STEVENS POINT, Wis., January 2, 1919.—Sixteen steel gates 30 feet in width and 20 feet high are being installed between the concrete piers in the Wisconsin River at the plant of the Oneida Paper Company. The dam gates were manufactured by the Wausau Iron Works of Wausau, and three weeks will be required to install them. They will operate by electricity and may be lifted to the surface of the water when necessary. The gates will hold the level of the Wisconsin River at that point about normal.

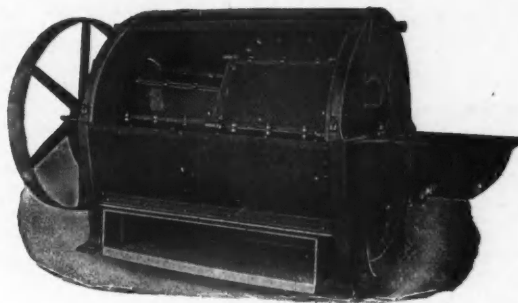
Six water wheels are also being installed at the Oneida plant. The work is being done under the supervision of Mr. Wiperta, of the Allis Chalmers Company of Milwaukee. Unusually fast progress is being made in the installation of the wheels.

A paper-drying machine is being installed. The machine is 10 feet in diameter and weighs 15 tons. The work of placing it will be completed in another week.

"IMPROVED" KNOTTER

for the first screening of sulphite, sulphate or ground wood pulp

We shall be glad to furnish data and samples of the work this machine will do in actual use.



Knotter Design No. 2

The cost of power and upkeep is extremely small and the results are very satisfactory.

WE ASK A THOROUGH INVESTIGATION

IMPROVED PAPER MACHINERY CO.

NASHUA, N. H., U. S. A.

VICKERY'S PATENTS LIMITED

ENGINEERS

of

DEVONSHIRE GROVE, OLD KENT ROAD, LONDON

ENGLAND

Well-known in the Paper Trade of Great Britain, France and Belgium, are open to undertake the manufacture, and, if desired, the marketing of light and medium Machines and Appliances for the Paper Trades.

TRADE IN PHILADELPHIA IS REPORTED VERY QUIET

In Practically All Departments of the Market Demand Has Been Practically at a Standstill—Most of the Buying During the Week Has Been Confined to the Coarse Paper Market—Demand for Paper Stock and Rags is Most Inactive That Has Been Experienced in a Long Number of Years—Vice-President Platt Reports Plans Progressing Nicely for the Annual Meeting.

[FROM OUR REGULAR CORRESPONDENT.]

PHILADELPHIA, Pa., January 6, 1919.—With the dawn of the New Year trading in the paper market has been at a standstill in most departments. Sales during the week were confined to small quantities. The majority of dealers are now engaged in stock taking, preparatory to the new year's business drive. Although there is a decided falling off in orders at the present time, there are numerous inquiries now being made for prices on all grades of paper. Because of the inquiries, the dealers foresee an early opening in active buying. In all industries the taking of inventories is in progress and as soon as stock taking is over it is believed that resumption of buying far in excess of what was evidenced at this time last year will take place, for many business houses which curtailed in their demands because of Government restrictions, will resume business on a peace time basis and with doubled output, to catch up with delayed orders that have been accumulating in the meantime.

Most of the week's buying has been confined to the coarse paper market. Fine papers have been inactive. The lack of demands in fine papers is attributed to the fact that printers, publishers and stationery requirements are being held up pending the adjustment of prices which are expected to fall off as soon as business gets back to normal. Dealers on the other hand are confident that there will be no marked decrease in prices for many months to come, because stocks on hand have been purchased at prices that prevailed before the war, and the mills are still paying big salaries for labor and are handicapped by other high costs of production which cannot be adjusted to normal before six months at least.

Mills Not Buying Paper Stock

Mills are not buying up stock, and this leaves an unusually dull market for the paper stock and rag dealers. In speaking of the condition of the rag market, Michael O'Neil, of the firm of Patrick O'Neil & Co., 408-410 South 6th street, reports the dulllest market in the last twenty years. Mr. O'Neil, whose long established connections with the rag market makes him an authoritative source of information, says "there is almost nothing doing in the rag business at the present time, due principally to cessation of hostilities and the readjustment, as well as to the fact that all labor is confined to the war industries because of higher wages, and there are no hands left to pick the rags." In reviewing the 1918 rag industry, Mr. O'Neil reports a fair business until the signing of the armistice, when a marked slump followed. He does not look forward to activity for rag stock before February 15.

Plans for Meeting of National Paper Trade

Plans for the annual meeting of the National Paper Trade Association, which is to be held in New York, February 3 to 5, at the Waldorf-Astoria Hotel, are being completed, according to reports made by Harvey E. Platt, vice-president of the National Paper Trade Association and secretary and treasurer of the J. L. N. Smythe Company, who is leaving Philadelphia today to go to Chicago in the interest of the annual convention. Mr.

Platt reports that the tentative program, which was arranged at the meeting of the National Association held in Boston on December 10, is now about completed, and he expects to have the schedule of speakers and the topics which are to be discussed determined within a few days. Many of the members of the Philadelphia paper trade contemplate attending the convention. The delegates who will represent this city at the meeting are: Harvey E. Platt and Simon Walter, representing the Coarse Paper Division of the Pennsylvania Paper Trade Association, and Morgan Thomas, of the Garrett-Buchanan Company, who will represent the Fine Paper Division.

New Headquarters of Safepack Mills

The new local headquarters of the Safepack Mills are centered in the recently remodeled building, formerly occupied by E. Latimer, Jr., at 231 Chestnut street. Occupying five floors in the new quarters, the Safepack Paper Company has thoroughly renovated the building by the addition of modern offices, installation of electric lighting system, the partitioning of the floors into various departments for its products, and other improvements. On February 1 the firm will give up its offices in the Drexel building. The transaction of local business will be confined exclusively to the new home. The Philadelphia branch will carry a complete stock of waterproof papers for the trade. This is the distributing point for Maryland, New Jersey, District of Columbia and eastern Pennsylvania, and is under the management of A. D. Lamson, assisted by J. K. Davis. Manager Lamson was called to Boston during the week to attend a conference of the employes of the Safepack Mills, held in that city at its headquarters, 727 Atlantic avenue, preparatory to the 1919 business developments of the mills.

A Snappy House Organ

The current issue of that snappy house organ published by D. L. Ward Company, and known as *The Triangle*—significant of the firm's trade mark—and whose purpose is "the promoting of neighborly interchange of ideas between the D. L. Ward Company and its friends and customers" is appropriately entitled "Victory Number." Its back page salutation is "Words are inadequate to express our feelings on the great joy, satisfaction and congratulatory attitude toward our American soldiers and sailors and to our worthy Allies, excepting to say perhaps, 'Ain't it grand and glorious!'" The contents deal with the development of direct mail advertising, an advocacy of more balanced tonal effect and better typographical arrangement in displays; information of estimates and a word or two on the D. L. Ward products, with this cheerful prophecy over the signature of George W. Ward, head of the House of Ward: "With the closing of the war the printing trade and its allied interests especially in Philadelphia should look forward to the year 1919 as being a most prosperous year. The printers' greatest problems will be to anticipate the wants of their customers, so that all this business does not come at once. New progressive selling methods, creative departments, will do a great deal permanently to keep in Philadelphia thousands of dollars' worth of work for Philadelphia concerns that heretofore has been printed in other cities.

E. I. Dupont de Nemours Export Company Formed

The E. I. Dupont de Nemours Export Company, of Wilmington, Delaware, incorporated to take over the Dupont Company's foreign business, has been organized. Officers have been elected and tentative plans announced for the further expansion of the foreign trade. The officers are: President, F. W. Pickard, vice-president of the Dupont company, in charge of the sales department; vice-president and director of sales, Walter S. Gavan, for many years directing head of the exporting business; treasurer, F. D. Brown; secretary, Alexis L. Dupont.

Directors of the new export corporation are: Messrs. Pickard,

(Continued on page 32)

ABERTHAW IS READY

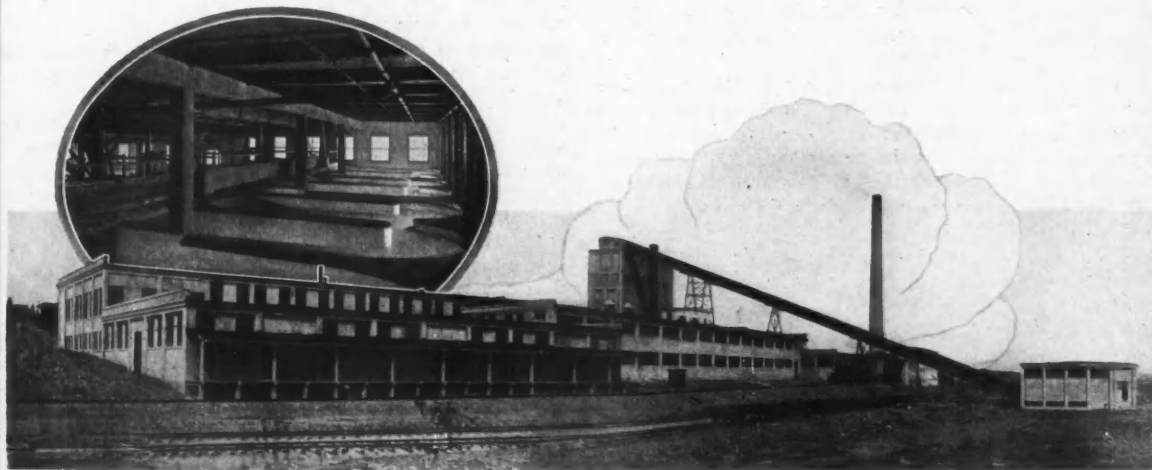
WHATEVER your requirements for paper mill construction, whether the work is to begin now or later,—we are ready. An experience covering some of the largest paper and pulp mill projects, a large permanent organization built up during twenty-five years of active practice, an equipment to meet any requirement—all these are at your service. They make possible the completion of your work with expedition and economy and to your absolute satisfaction.



How we organize and manage construction work is clearly explained in our book, "Aberthaw Construction Service." You should read it before entering upon your new work.

ABERTHAW CONSTRUCTION COMPANY
BOSTON MASSACHUSETTS

6-74



DEMAND LESS SATISFACTORY AT HOLYOKE'S PAPER MILLS

Two Weeks' Closing Saturday Evening Was an Extremely Quiet Period—Consumers Are Apparently Holding Up Their Seasonable Orders in Anticipation of a Drop in Paper Prices, in View of the Feeling Brought on by the Cessation of Hostilities—Local Paper Manufacturers, However, Assert That There Will Be No Drop in the Price of Paper Soon—Clifford Judd Honored.

[FROM OUR REGULAR CORRESPONDENT.]

HOLYOKE, Mass., January 6, 1919.—Business continues to slump at the local paper mills. The quietest period ever encountered by the paper manufacturers here are the two weeks which were brought to a close Saturday night. Although this period of the year, owing to the holidays, is generally slow, the dull period set in so far in advance of the year-end holidays this year that the situation is considerably more aggravated now than in years past.

With the opening of the new year manufacturers are apparently at a loss to know which way to turn for enlightenment. Many of the local manufacturers attribute the continued drop to the jobbers and consumers. The latter are evidently holding up their seasonable orders in anticipation of a drop in the prices of paper owing to a feeling brought on through the cessation of hostilities.

No Drop in Prices Expected

This impression is prevalent in many quarters, but from all appearances there will be no drop for some time to come, according to predictions made by local papermaking authorities. With the converts of paper, jobbers and consumers holding back to the very last minute for their stocks, it would not be at all surprising to see them rushing pell mell into the market later on when it becomes clear that there will be no drop in prices to buy at such a rate that the manufacturers in turn would have to keep their plants in operation over time to keep pace with the orders. That just such a situation will develop is inevitable unless orders are placed soon.

While the manufacturers are holding out much hope for a big export trade to help build up a solid business, yet the export situation is yet far from developed, the biggest drawback at present being the impossibility to get enough "bottoms," the Government having requisitioned mostly everything for the return of the American Expeditionary Forces and war materials and supplies now abroad.

In the meantime, the hundreds of local paper mill workers are also up against it. The enforced idleness is causing much dissatisfaction, and it is understood that many are deserting the ranks of paper mills workers to engage in occupations that offer steadier employment.

Paper Men in Chamber of Commerce

At the meeting of the Board of Directors of the Holyoke Chamber of Commerce last week, the following paper mill men were elected as directors for a term of three years. S. S. Rogers of the Chemical Paper Manufacturing Company, George A. Galliver, president of the American Writing Paper Company, and Frank B. Towne of the National Blank Book Company; John Adie, president of the Taylor-Logan Company, paper makers, was elected for a one-year term to succeed the late James Gibson Taylor. The vacancy caused by the removal from Holyoke of Arthur C. Hastings, formerly president of the American Writing Paper Company, was also filled.

The Holyoke Chamber of Commerce is comprised of one-tenth

merchants and nine-tenths manufacturers. The paper manufacturers have the majority and the present year will be a manufacturers' year. Edward N. White of the White & Wyckoff Manufacturing Company today declined to accept the fourth election to the vice-presidency of the chamber, and now has also refused twice in succession to take the presidency of the organization.

From present indications a strong attempt will be made to have some prominent paper manufacturer accept the presidency.

Associated Industries to Meet

The Associated Industries of Massachusetts will hold a special Connecticut Valley meeting and luncheon at the Hotel Kimball in Springfield, tomorrow night. Many problems of vast importance to paper and other manufacturers will be discussed, and there will also be addresses by well known speakers. Many paper manufacturers from this city and Springfield will attend the session. The committee in charge of the meeting contains the following paper mill men: Joshua L. Brooks of the Brooks Bank Note Company of Springfield; Clifton A. Crocker, president of the Crocker-McElain Company and the Chemical Paper Manufacturing Company; A. W. Esleek of the Esleek Manufacturing Company of Turners Falls; George A. Galliver, president of the American Writing Paper Company of this city, and Horace A. Moses, president of the Strathmore Paper Company of Mittineague.

Clifford Judd Honored

Clifford Judd of the Judd Paper Company, one of Holyoke's largest jobbing houses, was last week appointed a member of the Holyoke playground commission. Mr. Judd has been very active in the past patriotic campaigns.

Eau Claire Paper Company to Start

[FROM OUR REGULAR CORRESPONDENT.]

EAU CLAIRE, Wis., January 8, 1919.—The Eau Claire Paper Manufacturing Company which, so far as is known, is the only plant of its kind in the United States, is soon to begin operations. A batch of the product, a filter paper, was turned out a few days ago for use as samples. Work at the mill was begun several months ago, but actual production was held up because of difficulty in obtaining machinery.

"We are still handicapped by the lack of a few machines but operations will start within a very few weeks," said William Brubacher, head of the concern. "At present we find the greatest difficulty in getting our materials. We have the most trouble in obtaining pure linen.

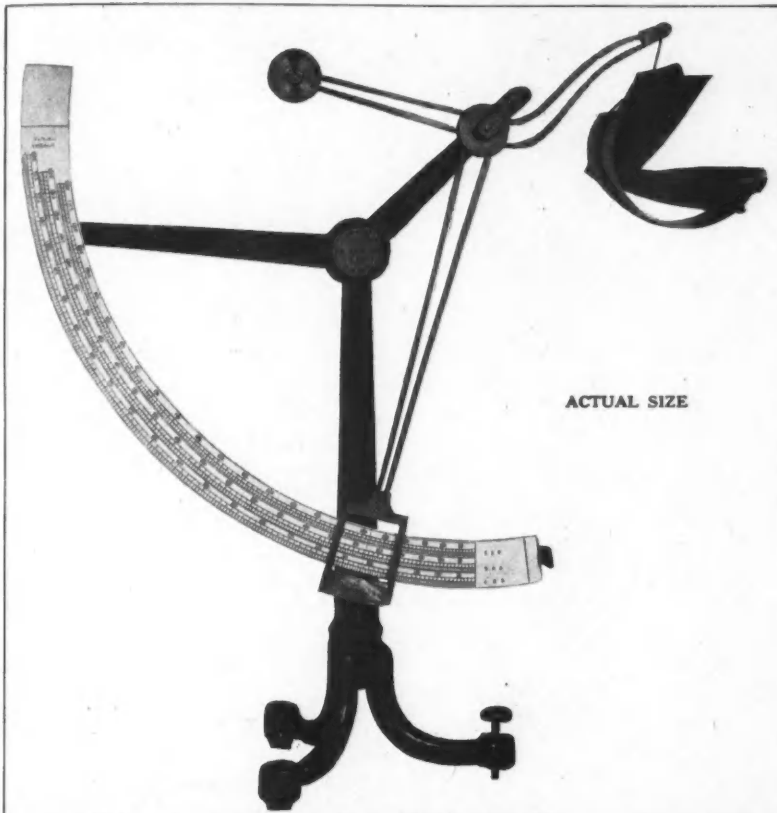
"As soon as we have solved transportation problems and can locate supplies of raw material actual production will be in full swing."

The plant is located in the old Otter Creek mills, about two and one-half miles from Eau Claire. Alterations have been made at the mills and much new machinery has been installed.

The product of the plant, a filter paper which is used in chemistry, is to be made according to a formula worked out by Mr. Brubacher.

According to Mr. Brubacher, the plant will have an output of two tons daily by spring. Twelve men and six girls will be employed at the start.

Mr. Brubacher was formerly chemist for the Dells Pulp & Paper Company, and some months ago was taken into custody by secret service operatives who started an investigation. It has since been learned that the suspicions of the Department of Justice were aroused by Mr. Brubacher's experiments in chemistry and the investigation was for the purpose of learning if his talents were being used against the United States. He was released without a public explanation.



Paper Scales

Automatically registering weight of 480 sheets, 500 sheets or 516 sheet count.

PRICE \$35.00

Securely packed, F. O. B. our factory. Made in Chicago U. S. A.

E. J. CADY & CO.

19 East Lake St. Chicago Ill.

LAPIDOLITH

TRADE MARK

Will Dustproof and Wearproof Your Concrete Floors

Every paper mill should protect its concrete floors against the disintegrating action of trucking and chemicals by using Lapidolith.

Lapidolith is flushed on like water and without interrupting work it will harden

and dustproof your floors as it has done in scores of paper mills and in thousands of factories.

Unskilled labor can apply Lapidolith or we will have the work done under our supervision.

Used for Years

Lapidolith has been used for years and is guaranteed. We list a few paper factories whose floors have been hardened by Lapidolith:

American Writing Paper Co., Holyoke, Mass.
Smith Thompson Company, Hoosick Falls, N. Y.
A. P. W. Paper Company, Albany, N. Y.
York Haven Paper Company, York Haven, Pa.

Frank L. Miller Paper Company, Dowington, Pa.
Kalamazoo Label Company, Kalamazoo, Mich.
Advance Bag Company, Middleton, Ohio.
Whiting Paper Company, Holyoke, Mass.

Write for free sample, literature and testimonials to Department 30.

L. SONNEBORN SONS, Inc. : 264 Pearl St., New York

Also Manufacturers of Cemcoat, the Washable Wall Coating.

CHICAGO DEMAND FOR PAPER LIGHT, BUT PRICES ARE FIRM

Mills in Many Cases Said to Be Turning to Export Business to Help Them Out of the Rather Unsatisfactory Domestic Situation—Difficulties However in the Way of This Trade and it May Be Months Before it Opens in a Satisfactory Manner for the Paper Mills—Statistics Show That Trade in Paper During 1918 Equalled That of 1917—Because of the Higher Prices the Quantity of Paper Was Less.

[FROM OUR REGULAR CORRESPONDENT.]

CHICAGO, January 6, 1919.—The paper market continued firm during the past week, and transactions were made between mills and dealers without a return to the concessions which were a feature of the closing days of the old year. However, the volume of business was light, and it is not improbable that had the pressure been heavier prices would have weakened to some extent. That there is an undertone of weakness in the market can not be questioned. Much depends on the demand for paper which exists in this market in the early days of the new year. If the jobbers find a constant and heavy demand they will be less particular about meeting the price views of the mills, but if they are not besieged with orders and inquiries it is only natural to suppose that they will not be anxious to accept the figures which mills put on their product without some questioning and bickering about prices. The mills are said to be turning, in many cases, to export business as a means of helping themselves out of the rather unsatisfactory domestic price situation. The trade in general is willing that the mills should be able to unload their surplus in foreign markets, as this will help to sustain domestic prices, to the satisfaction of everybody. However, there are difficulties in the way of foreign trade, according to mill men, and it will be some months before the channels for distribution in foreign markets are open to an extent which is satisfactory to the paper mills.

1918 a Good Year in Paper

In spite of the conservation campaign and the restrictions of war, the wholesale trade in paper during 1918 in Chicago was equal to that of 1917, generally regarded as a much more favorable year than the one just closed. The figures for both years, according to the municipal bureau of statistics, are \$81,433,800. Of course, it must be taken into consideration that higher prices are responsible for some of the good showing of 1918. The total quantity of paper distributed was perhaps a little less than during the previous years. If paper men could have sold all the paper for which they had orders during the year the figures for 1918 would have been far ahead of those for 1917.

Wants Paper Men's Support for Dent Bill

John M. Glenn, secretary of the Illinois Manufacturers' Association, wants the support of paper men and all others in his efforts to secure the passage of the Dent bill, now before Congress.

"This bill," said Mr. Glenn, "has for its purpose the validation of informal contracts and procurement orders, oral and telegraphic orders. If it does not pass it will force the holders of such orders from the government to go into the Court of Claims. Lawyers practicing before the Court of Claims are responsible for most of the opposition to the measure. They want the Dent bill defeated so that there will be lengthy litigation, at the expense of manufacturers who have government contracts."

Manufacturers of paper, stationery and other supplies used by the government in the conduct of the war, have been invited to attend a big meeting which is to be held at Cleveland, Ohio,

on January 3. The meeting will be held at the Hotel Cleveland, and the purpose will be to bring pressure for the passage of the Dent bill or some similar measure to protect the manufacturers who have government work, and who still have their money coming to them.

General News of the Trade

The Flett Paper Stock Company, which recently suffered a disastrous fire at its west side warehouse, will take temporary headquarters elsewhere and will rebuild in the near future with a fireproof structure. This is the second time within a year and a half that the company has suffered from fire.

Robert Butterworth, of the Chicago office of the Champion Coated Paper Company, will leave on a western trip in the near future.

W. N. Gillett, of the Chicago Paper Company, has returned to the city after spending a few weeks on the Pacific Coast.

A number of paper men will take the special war tax course which is offered by the School of Commerce of Northwestern University. The school will open for this course on January 14.

The Import Paper Company, 355 South Market street, dealers in embossed paper and paper specialties, has become a member of the Chicago Association of Commerce. The association is now making a big drive among the paper dealers, in an effort to increase the membership. It is hoped to reach a total of 6,000 firms within the next three months.

The will of Lucius G. Fisher, of Wheeler, Fisher & Co., paper bag manufacturers, was filed last week. The will disposes of an estate of \$100,000, the bulk of which goes to three sisters of the deceased. Mr. Fisher died December 11.

The annual banquet of the Chicago Stationers' Association will be held in the Gold Room of the Congress Hotel on the evening of Saturday, January 18.

Members of the paper and allied industries have been asked to make a permanent exhibit at the Chicago Permanent Exposition building, which is the large building at the corner of State and Van Buren streets, which was formerly occupied by Siegel-Cooper & Co., a department store now out of business. Joseph Leiter, owner of the building, has placed himself at the head of the enterprise. All articles manufactured in this city will be displayed there, according to the arrangement which is being worked out by the company. Paper specialty houses have expressed some interest.

M. D. McAlpine, of Bradner, Smith & Co., has returned from a short out-of-town business trip.

Ben Newhouse, Minneapolis manager of the Seaman Paper Company, was a visitor at the Chicago main office this week.

A. M. Curryer, of the Pratt Paper Company, Des Moines, Iowa, was a recent visitor to the city.

The extreme cold weather of the past week has cut down the influenza and pneumonia by one-half, much to the satisfaction of employers in the paper trade. Before the holidays paper firms of the city were much hindered because of sickness from these causes among their employes.

F. L. McClellan, of the McClellan Paper Company, the well-known jobber of Minneapolis, was a Chicago visitor last week.

Ed French, of the French Paper Company, Niles, Mich., was in the city on business early this week.

A. M. Forsythe, of the Forsythe Paper Company, 208 South La Salle street, is at his office again after a slight attack of neuritis.

Erie Paper Co Incorporates

ERIE, Pa., January 6, 1919.—A charter has been granted to the Erie Paper Company to engage in the wholesale and retail paper business. The capital stock is \$75,000, all of which is subscribed and paid in. E. W. Patten, N. N. Patten, Jennie Evans, Harriet Evans and George W. Evans are given as the stockholders and first directors.

K-V-P Bond has "punch"

Dear Sir:

YOURS

SAVE
WITH VEGETABLE
PARCHMENT AND
WAXED
PAPER

"PUNCH" is just good "Yankee" language for **REAL GUTS**. And that is what this new K V P Bond possesses—"punch."

It looks good enough now to win the patronage of extremely conservative houses—and it will retain these identical good looks and uniformity because the pearly whiteness is a matter of scientific computation and mixing, and there is no element to change it—no broke is used—all **NEW** stock enters into it. Have you seen and compared it?

KALAMAZOO VEGETABLE PARCHMENT CO.
Kalamazoo, Michigan
"Makers of Vegetable Parchment, Waxed Paper, and the world's finest UTILITY" Bond."

Commercial Service

Through our Commercial Service Department, in connection with our Buenos Aires Branch and numerous correspondents throughout the World, we are prepared to supply to merchants and manufacturers reliable information regarding trade conditions in foreign countries; and to aid them in obtaining satisfactory foreign representatives.

You are invited to make use of our facilities.

The First National Bank of Boston

Capital, Surplus, and Profits, \$27,000,000
Resources Over \$250,000,000

Branch at Buenos Aires, Argentina

NATIONAL PAPER PRODUCTS STARTS PLANT AT STOCKTON

About 150 Employees Were Engaged at the Start and 100 More Will Be Employed in the Shipping Department After the Box Board Department Gets Fully Started—The Plant Has Cost Approximately One Million Dollars to Construct and Equip—Stephen Hopkins Optimistic About Export Trade—Northwest Paper Association Formed—Will Aim to Improve Conditions.

[FROM OUR REGULAR CORRESPONDENT.]

SAN FRANCISCO, January 2, 1919.—The new plant of the National Paper Products Company, in Stockton, California, which started up early in December, is now in commercial operation. About 150 employees were put on at the start. One hundred more will be employed in the manufacture of shipping cases after the box board department gets under full headway. The plant has cost approximately one million dollars to date to construct and equip. The output, when in full operation, will be 80 tons of board per day. Some fine samples of patent coated board have been received from the new mill at the San Francisco office, and also samples of test fiber liners for cartons, to fill foreign orders. Large quantities of waste paper will be utilized as raw materials and the paper pulp required is being brought in from British Columbia at present.

John Creason, the new superintendent of the plant, was operated upon for appendicitis a few days ago. He is progressing favorably at a hospital in Stockton.

Optimistic About Export Trade

Stephen Hopkins, of the Kaas-Hopkins Company, of this city, is optimistic as to future export trade. Export business is going ahead after a temporary slump. This firm had no cancellations. Some firm orders that were under consideration were not finished, however. Inquiries from the Orient and Australia are picking up, after the lull caused by the news of the armistice on November 11. The export freight situation has been improving, with more ocean tonnage in sight. It is reported that four steamers that had been taken by the Government will be returned to the Pacific Steamship Company. Mr. Hopkins has returned from a trip to Los Angeles, where business was quiet, on account of the influenza epidemic. But the paper dealers expect a good Southern California business in the spring, when there will be a heavy tourist travel.

Northwest Paper Trade Association Formed

M. R. Higgins, president of the National Paper Products Company, with headquarters in San Francisco, has returned from an extensive tour of the Northwest. Mr. Higgins, who is also president of the Pacific States Paper Trade Association, paid a visit to Spokane, Wash., and presided over a meeting, which was attended by a number of the paper jobbers of Portland, Seattle and other cities. He was accompanied by Secretary B. M. Coffman. The Northwest Paper Trade Association was formed at Spokane. Each city has a local association, which is a member of the Pacific Coast Paper Trade Association. So, practically, all paper dealers on the Coast are now connected with the big organization covering the territory west of the Rocky Mountains. It does not fix prices, but aims to improve conditions.

General Trade Notes

Harry R. Williar, the leading paper export broker in San Francisco, went to New York City, to spend the holidays, accompanied by Mrs. Williar. They will remain in the East for a month.

Edward Tracy, manager of the First Street branch of the Zellerbach Paper Company, is quite ill with influenza. The office force in the main store at Jackson and Battery streets has been short-

handed on account of influenza cases, although the disease is in a mild form now.

C. J. Bastedo, resident manager of the Crescent Boxboard Co., Port Angeles, Wash., who arrived here last week on a visit, is sick at the Palace Hotel.

Central Ohio Paper Co. Meets

COLUMBUS, Ohio, January 6, 1919.—One hundred and seventy-five employees, officers and their wives attended the annual dinner of the Central Ohio Paper Company in the dining room of the Fifth Street building, Saturday night, December 28, closing the salesmen's and managers' two days' meeting under the direction of H. C. Hanna, sales manager.

Lieut. Col. Albert M. Miller, Zone Supply Storage Officer and Director of Shipping in Baltimore, was present and gave an outline of his interesting work there. He hopes to return and take up his work as vice-president and manager of the company in February.

It was a very happy occasion, all enjoying the feature of having the ladies present. There was a note of optimism running through the meeting, all feeling very happy over the closing of the war and the promise of the return at an early date of the boys who have been in the service to their accustomed places. Five are already back and were very enthusiastically received.

To Go to Australia and Far East

The First National Bank of Boston is sending two of its senior officers to Australia and the Far East to establish further foreign banking connections.

C. F. Weed, vice-president of the bank, and D. A. de Menocal, vice-president of the First National Corporation, will leave Boston about the 20th of this month, sailing from San Francisco directly to Australia.

After a few weeks in Australia, to be spent principally in Sidney and Melbourne, they will go to China and then return by the way of Japan.

Boston merchants are showing a keen interest in this trip. Mr. Weed and Mr. Menocal have already had many matters for inquiry submitted to them. They had planned to be absent about four months, but if these inquiries multiply, as they bid fair to do, the trip may take longer.

Dixie Paper Cone Co. to Open Soon

RALEIGH, N. C., January 6, 1919.—Final arrangements are being made for the opening of the Dixie Paper Cone Company in Raleigh, and shipments from the Raleigh factory of that company will be made, it is expected, the first of January.

A piece of property has been purchased on the corner of Blount and Peace streets and work there will start right away. There will be 20 or 30 men employed from the beginning.

The article manufactured by the company is a cone around which the cotton spun in mills is wound, and it is expected that the factory located here, in the close proximity to mills, will justify considerable enlarging and later the moving of factories now located in other cities here.

Need Pulp Mill to Use Worthless Timber

MISSOULA, Mont., January 1, 1919.—The establishment of a pulp and paper mill near Kalispell is declared feasible and advisable by District Forester Rutledge at the forest service headquarters in this city, following the filing of a report by Forest Supervisor McLaughlin of the Blackfoot forest.

It only remains, according to Mr. Rutledge, to complete minor inquiry before an attempt will be made to obtain the location of such a plant probably near Kalispell. The service desires it as a means of steady sale for timber now virtually worthless.



ACID PROOF WOOD PIPE

Enduring as granite itself, immensely strong and, last but not least, with a carrying capacity 14% greater than cast iron, 20% more than steel pipe—WYCKOFF WOOD PIPE offers the most practical piping system for paper mills.

Let us tell you what other successful mills are doing with WYCKOFF.

A. WYCKOFF & SON CO.
ELMIRA, N. Y. U. S. A.



The Nash Hydro-Turbine Vacuum Pump and Its Advantages

Only three principal parts. Only one moving part, the rotor. Shaft is mounted on high grade annular ball bearings outside of casing. No valves, pistons, rods, crank shafts, loose vanes or gears. Compression is balanced, eliminating side thrust on the rotor. Note that rotor runs in casing with large clearance.

High Efficiency. Absolute Reliability. Air delivered entirely free from pulsation, and therefore can be measured with a Venturi meter. Air is washed as well as compressed and can contain no oil or other impurities. Can be constructed of Acid-Resisting Metal. Upkeep cost is practically nothing. Expert attendant not required.

For Particulars Address

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Chicago, Ill.

ARE YOU INTERESTED?

We are planning with manufacturers to develop for their products, new business in the Export Field.

Our lines are not entirely complete. Are you interested? If so—write us.

FRED C. STRYPE
320 BROADWAY NEW YORK N.Y.
DOMESTIC & EXPORT WRAPPING PAPER

GRATON & KNIGHT

Standardized Series
LEATHER BELTING

Tanned by us for better use



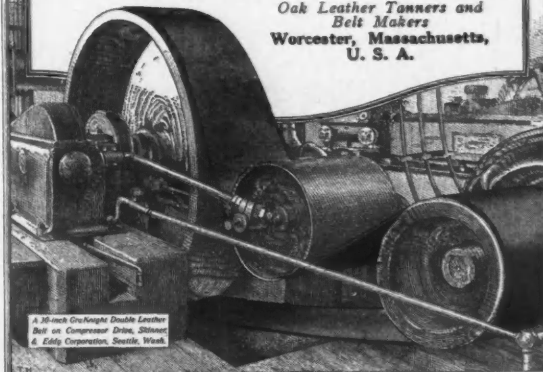
When the Belt Works Right

One ounce of performance is worth a ton of speculation as to horse-power delivery. The best answer in belt performance is when the belt works right—with the utmost of uninterrupted driving energy; with economy written into every fuel bill.

Write for a copy of our booklet, "Standardized Leather Belting," explaining scientifically the application of standardization to belting.

THE GRATON & KNIGHT MFG. CO.

Oak Leather Tanners and Belt Makers
Worcester, Massachusetts,
U. S. A.



A 36-inch Graton-Knight Double Leather Belt on Compressor Drive, Silhouet & Edly Corporation, Seattle, Wash.

New York Trade Jottings

R. S. Kellogg, secretary of the News Print Service Bureau, left for Ottawa Tuesday night to attend the news print hearing in that city on Wednesday.

Alfred Bleyer of Alfred Bleyer & Co., paper dealers of 229 West street, left early this week for the South, where he will stay for one or two weeks.

Lewerth & Culbertson, paper dealers of 72 Duane street, have added a few selected private brands to the already complete stock of papers which they carry.

The ninth annual banquet, vaudeville and dance of the National Paper Trade Association will be held at the Waldorf-Astoria, on Wednesday evening, February 5, at 7 o'clock.

A. G. Bruinier, formerly vice-president of the Dicks David Company, dyestuff dealers of 299 Broadway, severed his connection with that firm on December 31. Mr. Bruinier has not yet announced his plans for the future.

Paul E. Vernon, chairman of the paper trade committee for the Red Cross Christmas Roll Call, reports that enrollments were received to the amount of \$1,618. As many members of concerns subscribed through their home towns this is a very creditable showing.

A petition in bankruptcy has been filed against the Textile Paper Company of 13 Park Row, by Phillip Galewitz, a creditor, for \$3,226. The company's liabilities are \$50,000 and assets \$25,000. The company was incorporated March 1, 1915, with capital stock of \$40,000.

Among the visitors to the New York trade last week were F. H. Milham of the Bryant Paper Company, Kalamazoo, Mich.; J. J. Warren of the Harmon Paper Company, Brownville, N. Y., and H. R. Williar, of the paper company of that name in San Francisco, Cal.

At a recent meeting of the board of directors of the White-Burbank Paper Company, of 23 Beekman street, C. W. Knode was elected vice-president of the firm. Mr. Knode, who is well known in the trade, was formerly connected with the firm of W. H. and M. Nixon of Philadelphia.

Bertram T. Blake and Randall H. Decker, who for some time past have been connected with the Dill & Collins Company, paper dealers of Lafayette street, have formed a partnership and have rented offices in the Astor Trust building, where they will engage in the paper business. The new firm will be known as Blake and Decker, Incorporated.

The George W. Fink Paper Company, Inc., has moved from 64 University place to newer and larger quarters at 115-117 Spring street. At their new plant this company has machinery for cutting 20 tons of paper a day. They specialize in selling print and wrapping papers to the jobbing trade exclusively. George W. Fink, the president of the concern, was formerly with the New York Waste Paper Company.

Henry A. Wise, attorney for the news print manufacturers who are parties to the agreement before the Federal Trade

Commission, is trying to arrange a meeting of his clients, to discuss what communication shall be sent to the Department of Justice relative to the reopening of the news print case. This meeting was originally set for Monday, but it has been indefinitely postponed, as all the manufacturers were not able to attend on that day.

The financial editor of the New York Times in the issue of Wednesday morning printed the following regarding the Barrett Company which has several roofing mills throughout the country: Barrett Company stocks attracted attention yesterday with an advance to a new high at 112. The stock has not sold at that figure since 1917, when the high quotation was 136. The record high was 175 $\frac{7}{8}$ in 1916, when 14 per cent. dividends were paid. This was one of the stocks which traders were inclined to consider as a war stock when the war was on. Now that peace is here sentiment has apparently swung about and because of the company's output of building materials it is now being looked upon as a peace concern.

Saul Gottesman, secretary of M. Gottesman & Co., Inc., 18 East 41st street, New York, wood pulp merchants, has just returned from military duty, having received his honorable discharge from the United States army. He expects immediately to resume his duties. At a reception tendered to him upon his return, Mr. Gottesman stated, among other things: "My experience in the army impresses me with the great work that can be accomplished by unity of strength and organization for a purpose. If the pulp and paper trade were as strongly organized as it is possible for them to be, working in close harmony and with a united purpose, the good that would be obtained by the paper industry would be of the greatest benefit to them."

St. Louis Trade Notes

[FROM OUR REGULAR CORRESPONDENT.]

ST. LOUIS, Mo., January 4, 1919.—Jobbers of coarse papers are enjoying a good business, there being no slackening of the demand from retailers since the holidays. However, jobbers are doing very little buying, being inclined to reduce present stocks considerably before making further purchases. Inventory taking, too, is a deterrent factor in buying. But because of their good business, it is expected that they soon will be in the market.

The demand for bags is lagging a bit at present, but the prospects are for much better business in the immediate future. Manufacturers insist that there will be no decline in prices, as mill conditions will not warrant any downward scale.

Some of the salesmen of H. J. Cole & Co. of Kansas City and St. Louis met here last week with Mr. Cole and C. T. Elliott of the Advance Bag Company of Littleton, Ohio. Plans for 1919 were discussed. Meetings were held at Hotel Statler.

D. L. Snyder, a lieutenant in the aviation corps, passed through St. Louis on his way from a Southern camp to Cleveland, Ohio, to pass a furlough with his mother. He expects shortly to resume his position as traveling representative for H. J. Cole & Co.

Among the concerns listed as 100 per cent Red Cross firms, every employe being enrolled in the Christmas membership campaign, were: M. A. Brown Paper Box Company, Brooks Paper Company, Chapman Paper Company, Knollman Paper Company, Mississippi Valley Paper Company and the St. Louis Paper Company.

In order to boost St. Louis trade with foreign countries, a plan is now under way for the organization of a \$5,000,000 discount banking corporation. It is the plan to persuade manufacturers and merchants to subscribe one-half the capital stock and bankers the other half.

1872

1919

We are prepared to deliver promptly in any desired quantities the following:

AURAMINE
BASIC GREEN
CHRYSOIDINE R
CHRYSOIDINE Y
METHYL VIOLET
ORANGE
BASIC NEWS BLUE
BISMARCK BROWN
PULP COLORS
VEGETABLE TALLOW
SODA ASH
CAUSTIC SODA
CASEIN
BLEACHING POWDER

A. KLIPSTEIN & COMPANY

644 Greenwich St. New York City

We are the largest Dealers

in

BLEACHED, EASY BLEACHING

and

UNBLEACHED SULPHITES

also

Spruce and Poplar Groundwood

Samples and quotations upon request.

CRAIG, BECKER CO., Inc.

P. O. Box 30
 Grand Central Station

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**Increase
 Your
 Boiler
 Efficiency**

PLIBRICO is a plastic substance that makes a solid one-piece fire box lining without joints.

It will increase the efficiency of your boiler 15%. It will make your furnaces gas and air tight and greatly reduce the cost of upkeep.

Will outwear any firebrick made.

Write for further information.

**Jointless Fire
 Brick Co.**

1879 Kingsbury St.
 CHICAGO, ILL.

Canadian Agents,
 Beveridge Paper
 Co., Ltd.,
 Montreal.



Manufacturers of Colors

For the Paper Trade

WE HAVE TO OFFER

**METHYL VIOLET
 POWDER AND CRYSTALS
 HIGHEST CONCENTRATION**

**BISMARCK BROWN Y AND R
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SPECIAL CONTRACTS FOR 1919

SEND FOR SAMPLES AND PRICES

ZOBEL COLOR WORKS, Inc.
 38 Water St. New York City

Factories: Brooklyn, N. Y.
 Branch Offices: Chicago, San Francisco,
 Boston, Shanghai, Calcutta

Obituary

Hugh Linton

[FROM OUR REGULAR CORRESPONDENT.]

PAWTUCKET, R. I., January 6, 1919.—Hugh Linton, president and treasurer of the Pawtucket Glazed Paper Company, passed away December 29 at his residence, 175 North Bend street, his death indirectly resulting from a shock received two years ago.

Mr. Linton was born in Scotland 73 years ago, and came to this city when 8 years old. He first secured employment at the old Ray Potter paper mill in Bayley street. Later he entered the employ of the H. H. Thomas Cardboard Company, remaining there for several years. Mr. Linton later became a partner of his brother, James Linton, but afterward dissolved the partnership to begin the present Pawtucket Glazed Paper Company in 1883. In 1913 he retired from taking an active part in the firm's management, leaving his three sons in charge.

Fine horses were a hobby of Mr. Linton's and in his time he owned some of the finest ones in New England. His horses were among the leading favorites at racing meets in this section of the country. Mr. Linton composed a march some years ago named the "Columbia March," which he dedicated to the New York Yacht Club and all yachtsmen of America. He had begun another composition, but had left it unfinished at the time of his death.

L. LaVerne Horton

ROCHESTER, N. Y., January 6, 1919.—L. LaVerne Horton, who died recently in the General Hospital, was up to the time of his death engaged in developing the Nyunda Pulp and Paper Corporation, in which a number of Rochester business men are financially interested. As secretary, he obtained the backing of several New York investors. Seven million feet of timber in the region of Thunder Bay were purchased, and at the present time a large mill to utilize the lumber to be cut on this tract is being built.

Mr. Horton has been engaged in this venture for about a year. Some time ago he was in business on South avenue, selling motor boats and a line of sporting goods.

Frank W. Felch

Frank W. Felch, who died November 26 at his home in the Hotel Chelsea, and whose death was briefly noted in THE PAPER TRADE JOURNAL was born at Afton, N. J., 61 years ago, and is survived by a widow and an adopted son.

Mr. Felch started in the paper business 35 years ago in the building running from 51 Leonard street to 127 Duane street. At the time of his death he was located at 1123 Broadway as mill representative, handling the products of the Gould Paper Company, the Harmon Paper Company and others.

Mr. Felch was one of the original stockholders of the Uncas Paper Company, Norwich, Conn., and he was also one of the founders of the L. L. Frost Paper Company, afterwards the Norwood Paper Company.

Mr. Felch was long and favorably known in the trade, and his untimely death will be very much regretted.

Mrs. Margaret Wharfield

[FROM OUR REGULAR CORRESPONDENT.]

HOLYOKE, Mass., January 6, 1916.—Mrs. Margaret Wharfield, wife of Clifford Wharfield, assistant treasurer of the American Writing Paper Company, died last week Monday afternoon after a short illness with pneumonia, which developed from influenza. Mr. Wharfield has also been ill. Mrs. Wharfield is well known in local circles, having an especially wide acquaintance among the families of men interested in the local paper-making industry. Mr. Wharfield also is very prominent, not alone in this city but elsewhere.

The deceased was born in Northampton and took active interest in several local charitable institutions. Besides her husband, she is survived by one brother, John Smith of New Jersey.

Paper for the Government

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., January 6, 1919.—The Purchasing Officer of the Panama Canal has announced the following paper awards, bids for which were opened on December 26:

The Universal Trading Company has been awarded the contract for furnishing 200 boxes of 8 x 14" purple carbon paper and 1,000 boxes of 8 x 10½" of the same at \$603. The same firm will also furnish 80 reams (40,000 sheets) of 17 x 22", No. 28 white ledger paper at \$542.40.

100 reams (50,000 sheets) of 17 x 28", No. 20 white bond paper will be furnished by the Republic Bag & Paper Company, at \$456.

Panama Canal to Open Bids

Bids will be opened by the Purchasing Officer of the Panama Canal on January 13 for 100 reams (50,000 sheets) of 22½ x 28½", 100 lbs. manila tag paper. Bids will also be opened on the same date for 10 reams (5,000 sheets) of 20 x 28", No. 24 green safety paper and 10 reams (5,000 sheets) of light green laid paper.

Paper for Bureau of Supplies

The Linton & Scott Company has been awarded the contract by the Bureau of Supplies and Accounts for furnishing various navy yards with (part) of 1,040,000 rolls of toilet paper at \$128,725. Bids for this paper were opened on December 27.

Bids are to be opened on January 10 by the bureau for 5,000 reams of 8 x 13" absorbent mimeograph paper for delivery at the Brooklyn Navy Yard.

Post Office Department Makes Awards

The United States Envelope Company has been awarded the contract by the Purchasing Officer of the Post Office Department for furnishing 10,000,000 3¼ x 6¾ open side white gummed envelopes at \$2.00 per 1,000. Bids for these envelopes were opened on December 23.

Buy Interest in Rosenthal Paper Company

[FROM OUR REGULAR CORRESPONDENT.]

ST. LOUIS, Mo., January 6, 1919.—The half interest owned by Mrs. Dena Seligstein and Harry B. Seligstein in the Rosenthal Paper Company, 618 North Second street, has been purchased by four employes of the company. These employes, who have been elected officers, are Nathan Rosenthal, first vice-president, employed eight years; George Dalsheimer, employed 25 years, and Adolph Buell, employed 15 years, vice-presidents, and Wallace Rindskopf, employed 19 years, secretary and treasurer.

Louis Rosenthal, president, retains his interest, and will continue actively as the head of the business.

The company was incorporated in 1895, steadily growing, and about six years ago moved to its present location, where it occupies 65,000 square feet of warehouse space.

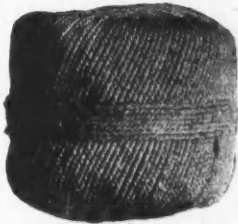
The company specializes in wrapping supplies only, and also operates a box factory under the name of the Acme Folding Box Company.

There will be no change in the policy or lines of the company. "We had a very satisfactory business last year," said Louis Rosenthal, "and we are looking forward to a substantial increase in 1919."

Opens Buffalo Office

The American Writing Paper Company has opened an office at 416-418 Prudential Building, Buffalo, N. Y. John L. Forsythe, widely experienced in the paper line, is the salesman in charge of the office.

“AMERICAN” TWINES



Paper Makers' Twine

Tube Rope

Wall Paper Twine

Hay Rope

Fine and Coarse Polished Twines

Manila Rope

Transmission Rope



For Prices Write Department M

American Manufacturing Company

Largest Makers of Commercial Twines and Rope in the World

Mills and Sales Office:

NOBLE AND WEST STREETS, BROOKLYN, NEW YORK CITY

The Sandy Hill Iron & Brass Works

Hudson Falls, N. Y.



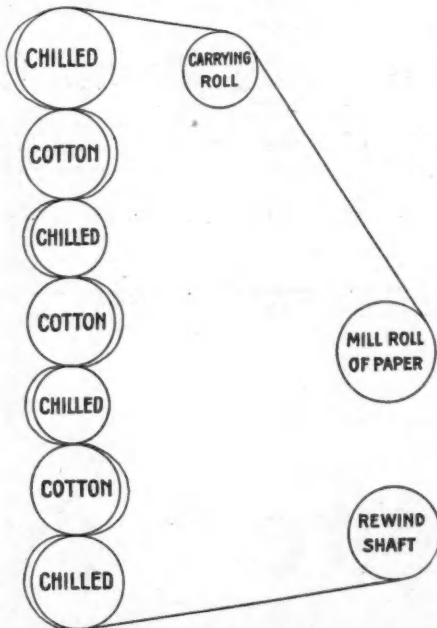
Manufacturers of **Paper and Pulp
Mill Machinery**

PRACTICAL QUESTIONS AND ANSWERS FOR MILL MEN

A Department for the Solution of the Troubles, Large and Small, That Are Encountered by the Workers in the Mills in the Course of Their Duties in Making Paper and Pulp—All Mill Men Are Invited to Send in Both Questions and Answers—A Free Exchange of Ideas Is Desired—By Active Co-operation This Department Can Be Made a General Clearing House for Information in Regard to Practical Paper Making.

Calender Trouble

Question No. 2450.—I read with interest the reply to this difficulty, and while it may overcome the trouble it complicates the leading of paper into first nip; also, I always found that a spreading board makes a coated paper a little fuzzy on the side rubbing on spreader. I would be pleased to hear from the inquirer and exchange ideas on calendar troubles.



This method will eliminate your trouble and will not interfere with your present layout, except to lower the carrying roll so that the paper surfaces as shown in this sketch. Also, try a little more brake on mill roll of paper.

PHILADELPHIA TRADE QUIET

(Continued from page 20.)

Gavan, Brown, F. C. Peters, C. L. Petze, J. A. Burckel and J. E. Hatt.

Mr. Gavan, who will be the active head of the exporting company, will establish headquarters in New York. The company will also maintain offices in San Francisco. Its charter rights are broad enough to include any activity which a concern doing business in foreign countries may care to undertake. The parent company already has foreign offices in Mexico City, London and Rio de Janeiro. In addition to these branch offices, it has important connections and agencies in virtually every South and Central American country as well as in Europe,

Africa and Asia. Among the exports are the Fabrikoid paper-leather product and paper makers' chemicals, including dyes.

Remodeling of the building of the Harris Kardon Paper Company, 114 South Second street, is now in full swing. The upper floors of the building are being enlarged to accommodate the increased stock which the firm carries in paper bags, silk fiber papers and other lines of coarse papers. Jacob Kardon, who is now in the service at Waco, Texas, expects shortly to be released. Before returning to his duties as office manager for his father's concern in this city, he will make a tour of Texas and the Southern States in the interest of the firm and the extension of its business to that territory.

General Trade Notes

During the absence of J. L. N. Smythe, head of the J. L. N. Smythe Paper Company, who is on the high seas, bound for Australia, to extend the business interests of the company in the big island, the local management of the firm will be under the direct supervision of General Manager C. H. Morian, who will look after the business affairs which were formerly supervised by the head of the firm.

O. P. Hazard, formerly selling agent for the Clayville Mills, who recently joined the forces of the Smythe Company, started south this week on his initial trip to the wholesale trade of that territory with the products of the Clayville Paper Company, and the Adams Paper Company. The Smythe company recently acquired exclusive territorial sales for the Adams company and Clayville Mills paper.

More than 200 employes of the Hinde and Dauche Paper Mills, of Gloucester, N. J., shared in the prosperity which the mills enjoyed during the past year, through the distribution of bonuses. The checks were allotted according to the number of days and the length of service of employment, and averaged from \$25 to \$250. They were distributed in last week's pay envelopes.

A. F. Benschel, representing the International Paper Company of New York, called on the trade here during the week and booked large orders for the Spring trade.

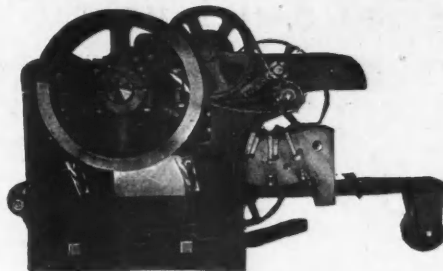
A. H. Nevius, of the Miami Paper Company, Carrollton, Ohio, visited the local dealers with a line of fine papers last week.

The Nicholson Printing Company, Pittsburgh, has filed its charter at Harrisburg, with a capitalization of \$50,000. S. H. Nicholson is president. Another concern to be chartered is the Erie Paper Company, Erie, Pa. Its capital is \$75,000, and its president George W. Evans.

Herbert Buck has joined the sales force of the S. S. Garrett Company and will cover the city and adjacent territory with the firm's special line of Hollingsworth and Whitney wrapping papers, for which the Garrett company has sales in New York and Pennsylvania; also a line of the Odell Manufacturing Company's specialties of fiber, krafts and manilas for druggists' use.

Don't Use Your Beaters For Rag Cutters

Put in a
Giant
and cut your stock
thoroughly and evenly



Capacity 2 Tons per
hour
Weight 8500 lbs.
For Roofing and Felt
Stock

No. 11 TRIPLEX



Canadian Manufacturers Under Patents: WATERJUS ENGINE WORKS CO., Brantford, Ont., Can.
J. MARX & CO., London, E. C., sole agents for the United Kingdom

A trial advertisement in the Paper Trade Journal
will convince you of its merits. Let us send you rates.

NOW READY

A new and thoroughly revised edition of

Lockwood's Directory of the Paper, Stationery and Allied Trades

1919—44th Annual Edition—1919

RECOGNIZED AS THE STANDARD PUBLICATION
GIVING COMPLETE AND AUTHENTIC INFORMA-
TION OF THE PAPER TRADE AND ALLIED LINES.

Price \$5.00 Express Prepaid

Lockwood Trade Journal Company, Inc.
10 East 39th Street, New York

Editorial

Vol. LXVIII. New York, Thursday, January 9, 1919 No. 2
FORTY-SEVENTH YEAR

A Great American Dead

The paper trade, together with the rest of the nation, mourns the unexpected death at his home at Oyster Bay, Monday morning of this week, of Colonel Theodore Roosevelt. He was a great American in every sense of the word. Possessed of unusual initiative and energy he endeared himself to the country by his strenuous devotion to the public interests.

His private life, as President Wilson has stated, "Was characterized by a simplicity, a virtue, and an affection worthy of all admiration and emulation by the people of America."

The world is better because he had lived in it. America can ill afford to lose a citizen of his type in unusual times like these.

Organizing for Cost Work

The paper manufacturers of Kalamazoo and vicinity took a step in the right direction when they organized a cost association last week. It is to be hoped that the influence of this action will make itself manifest soon, by the formation in various other important paper-making centers of similar associations. It is true that the American Paper and Pulp Association recently organized a cost section, which is beginning to do most commendable work, but naturally it cannot hope to do as intimate work as can a local association organized along the lines of that at Kalamazoo.

The importance of the work that may be undertaken by the cost associations can hardly be overestimated. So far as some mills in the paper industry are concerned, far too little attention has been paid to this matter of cost in the past, and it is to be feared that this fact explains why some of them have not prospered as greatly as they might have.

With the change in conditions brought about by the reconstruction period, on which we are just now entering, the matter of costs will assume great additional importance, and the paper manufacturer will be careless and foolish indeed who does not consider this fact.

But the situation is hopeful, as may be gathered from the concluding remarks of Mr. B. E. Hutchinson, treasurer of the American Writing Paper Company, at the recent meeting at Buffalo of the cost section of the American Paper and Pulp Association, who said: "The cost idea fortunately has made such progress in the paper industry that what yesterday was a handful is today a legion, and for effectiveness needs now only organization. Important as are the problems which occupied our time last night and this morning, this outranks them, and upon our effectiveness in this larger field rests, to a larger extent than any of you perhaps appreciate, the future position of the paper industry in the business of this country."

Paper centers elsewhere cannot begin too soon to follow the example set by Kalamazoo.

Fewest Failures in Thirty-Six Years

There were only 9,378 failures reported to *Bradstreet's Journal* for the calendar year 1918, a decrease of 28 per cent. from 1917 and of 50 per cent. from 1915, and, in fact, the smallest yearly total recorded since 1882. Liabilities were only \$138,756,041, a decrease of 17 per cent. from 1917, and less than half those of 1915. A slight decrease was shown in the number in business, and the proportion of failures to those in business was only about one-half of 1 per cent., the smallest business death rate there is record of.

Indicative of the industrial and trade prosperity of the last year *Dun's Review* calls attention to the fact that the total number of failures in this country during 1918 was only 9,982, representing a total liability of \$163,019,979. This compares with 13,855 failures in 1917, involving a total amount of \$182,441,371. In 1916 the business reverses were 16,933, and liabilities, \$196,212,256. Compared with the high point of insolvencies, 22,156 in 1915, the figures of 1918 show a decrease of about 55 per cent.

The decline of failures in the last year was progressive, there being a steady falling off from the first quarter to the close. The total for 1918 represents the smallest number in any year since 1899.

Speaking of the readjustment period *Bradstreet's* says: "We believe that a big potential demand for goods exists, at a price, and it is known that there is and will be a tremendous demand for food products from Europe, while materials for clothing and for shelter and implements of agriculture will probably be badly needed. The United States having suffered the least of all the belligerents should be in a position to supply these demands, as we have a good share of the food and the raw materials which the world needs, and our prestige has certainly not suffered at the hands of the two million men who have represented us in Europe. We also have—what we hitherto lacked—a big merchant marine capable of serving our importers and exporters, and our loans to Allies and neutrals have given us a financial footing in the markets of the world of which our bankers probably will not be slow to take advantage. If it is necessary to finance our customers throughout the world to enable us to sell goods, we can do it, because we financed Europe when the possibility of returns was not nearly so good as now. We also have a larger capacity for output and certainly greater adaptability for catering to foreign demands, whether of peace or war. In fact, we have reached in a few short years a position that it took Great Britain, the business nation par excellence, generations to achieve. Fears of unemployment of the masses should be considered with the known fact in view that immigration, which should have given us 5,000,000 persons in the past four years, has been almost at a standstill. Furthermore, we are not sure that our whole army is coming home much before a year from now. War taxes are a source of apprehension, but these, too, should be looked at in the light of the fact that taxation in this country has not assumed the all-pervading character imparted to it in Europe by centuries of custom and precedent. Unless most signs fail, the possibilities of future State control, interference or regulation are not so great as seemed certain when we were in the full stress of war.

"Lower prices may come, not all of them at once, by the way, and may delay but should not radically interfere with the processes of proper readjustment. While war inflation may have been responsible for some of the present high prices, the latter in the last analysis merely spell scarcity, which it should be our work to remove, and in removing make business friends who will stick and customers who will come again. No headlong break in domestic prices seems probable with the purchasing power of our people so high; supply and demand conditions what they are; stocks of goods outside of government hands not burdensome; those in government control large perhaps, but promising to be liquidated conservatively; credit conditions, as reflected in failures, sound; the farms of the country such mines of wealth, and the outside world's needs so great. It really seems certain that the people and the country that have done so much in the past four years will not falter now that peace has come and 'business as usual' is again to be the watchword."

Harmon Machine Corporation Chartered

WATERTOWN, N. Y., January 6, 1919.—The Harmon Machine Corporation has just been chartered by the Secretary of State at Albany, and has taken over the property of the Harmon Machine Company in Factory street. The new concern is capitalized at \$50,000, consisting of shares of \$100 each. The officers for the first year are: A. Henry Lefebvre, president; George W. Tripp, treasurer; Curtis D. Foltz, secretary. These three men are also the directorate.

The transaction means the injection of new blood and energy into the business which will ultimately expand into much broader proportions. While Mr. Lefebvre remains at the head of the new corporation, it was said today that he has sold practically all his stock to Mr. Tripp and Mr. Foltz, and that at the end of the year Mr. Lefebvre will return to his Lefebvre system of refining pulp, leaving the new owners alone as the active heads of the business.

The real estate, water power and buildings now utilized by the corporation were purchased by Knowlton Brothers, Inc., last May, but the machine company has a lease for two years. It is now the plan of the new owners to purchase a site and build a modern plant in this city at the expiration of the present lease.

A. H. Lefebvre came into possession of the entire stock of the Harmon Machine Company last May, when he traded his pulp plant at Felts Mills to George C. Sherman, president of Taggart's Paper Company for the local property. The Lefebvre system for use in Mr. Sherman's mills only went with the trade. Mr. Lefebvre said today that he plans to return to his system and exploit it in the paper manufacturing industry.

George W. Tripp, treasurer of the new corporation, said today that the manufacture of the Harmon screen, used in every paper mill in the country, and manufactured by this concern since 1908, will be the main product of the plant. Mr. Tripp has been connected with the business in this city since 1904, being the treasurer and active manager for years until the deal which placed Mr. Lefebvre in possession of the business. Mr. Foltz is a man of experience in the business, and has been connected with the local shops for the past four years. These two young men have an option on all the stock of the company, and will ultimately acquire the entire issue.

The Harmon screen is now sold in Japan, China, France, Norway, Sweden, Finland, Russia and all the Scandinavian countries, in addition to the domestic demand. At present there are at hand sufficient orders to keep the plant operating at full

capacity for more than a year, with orders being booked every day. It is certain that the concern under the new management is destined to expand beyond the present quarters and make imperative more factory space, which is to be provided under present plans. It bids fair to become one of Watertown's big industries in the future.

Central States Association Meet

COLUMBUS, Ohio, January 6, 1919.—The Central States Paper Trade Association met recently at the Columbus Athletic Club. The meeting was well attended and the members were served a luncheon by O. A. Miller of the Central Ohio Paper Company. A report of the collection department was made, showing that accounts were being collected in a very satisfactory manner. The department is run without charge to the members. The Printers' and Publishers' Paper Company, of Detroit, Mich., was elected to membership, including in the association approximately every eligible dealer in the territory. The next meeting will be held in Detroit, probably in January, the definite date to be fixed by the executive committee.

There will be a meeting of the Middle States Wrapping Paper Association at Indianapolis on January 21, and a full attendance is expected.

Sequestration of Paper in Austria

The following information has reached Government agencies here relative to the sequestration of paper and cardboard in Austria:

"The Austrian Government has issued a decree to the effect that all paper and cardboard now on hand in the paper and cardboard factories of the country have been sequestered by the Government and can only be disposed of with the consent and under a license from the 'Association of Paper Manufacturers.' Under this decree, all importations of paper and cardboard, except for personal use, are subject to this sequestration and can only be disposed of with the consent of the authorized body mentioned."

T. D. Earle to Manage Michigan Paper Co.

PLAINWELL, Mich., January 6, 1919.—E. B. Mendsen, who for the past seven years has been sales manager of the Michigan Paper Company, will be succeeded by T. D. Earle, who will pursue the same policy that has always been in force with this company—of working in the closest possible co-operation with customers.

Early in the year Mr. Earle will call on the customers of the company and will appreciate any courtesies extended to him.

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Recent Incorporations

ERIE PAPER COMPANY, Erie, Pa. Capital, \$75,000. Incorporators, G. W. Evans, Jennie Evans, Harriet Evans, E. W. Patten, N. H. Patten, Erie, Pa.

AMERICAN FIBRO COMPANY, Terre Haute, Indiana. To manufacture, buy and sell paper-mache and any and all products therefrom. Capital, \$20,000. Directors: Joseph Kunkler, Paul Kunkler and Lawrence Schmitt.

NUERA PAPER COMPANY, Inc., Manhattan, New York. To manufacture paper wood pulp, etc.; capital, \$500,000. Incorporators: A. B. Smith, 150 Gates avenue, Brooklyn; H. H. Bowman, 40 Morningside avenue, New York City; L. De Have.

PARAMOUNT PUBLISHING COMPANY, Inc., Manhattan, New York. Publishing and printing. Capital, \$75,000. Incorporators: J. W. Post, Garden City; O. T. Roberts, 309 West 93d street; F. Keeberg, 412 West 148th street, New York City.

Rainbow Mills Sold

The Rainbow Paper Mills, at Rainbow, Conn., have been sold to the Farmington River Power Company, which will eventually dismantle the mills and develop the water power, which is one of the finest in the State of Connecticut. This will practically wind



THOMAS P. VERNON

up the paper manufacturing industry at Rainbow, which has been conducted by the Vernons for a period of over 50 years.

Their mill No. 1, at Rainbow, has been in operation for a period of 75 years. This mill has been noted for the manufacture of very light weight tissues for railroad use. The mill was purchased from Vernon Bros. & Co. some 30 years ago by the late Richard R. Vernon.

Their No. 2 mill, which was the old Congress Mill, formerly operated by the Springfield Paper Company of Rainbow, was purchased by Richard R. Vernon in 1899.

Both of the above mills were operated up to five years ago by Richard R. Vernon, and with him were associated his brothers, Benjamin, Samuel and Thomas P. Vernon. These three brothers in 1913 purchased from their brother, Richard, the properties and have continued to operate them successfully up to the date of the transfer of the properties to the Farmington River Power Company of New Britain, Conn.

Samuel Vernon of the firm passed away in 1915, his interest in

the Rainbow Paper Mills being retained by his widow, Mrs. Fannie C. Vernon.

The transaction at Rainbow which marks the close of the mills will mean the retirement of Benjamin Vernon, who has been the superintendent of the mills for a period of 35 years.

Thomas P. Vernon, who has been in charge of the New York office, located at 239 Broadway, was formerly connected with Vernon Bros. & Co., leaving them in 1899 to associate himself with Richard R. Vernon. He is well known to the paper trade throughout the United States and will in all probability continue in the paper trade, which has known him all his business life.

More Help Available in Ohio

[FROM OUR REGULAR CORRESPONDENT.]

DAYTON, Ohio, January 6, 1919.—The local employment office conducted by the Federal State-City Bureau, like others in the State, report the employment of thousands of men. According to these reports there are only a few more men than jobs. Whether the situation has changed since the report was filed a week ago, cannot be stated, owing to the holiday pause. Many paper mills and machinery plants have operated with curtailed forces since last Tuesday, and will continue to be hampered until after the first of the year. More than 15,000 persons were placed in factory and mill positions in Ohio during the week on which the employment report is based.

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IMPROVED WATER-MARKED OR SAFETY PAPER

William D. Harper of New York City has invented an improvement for water-marked or safety paper, which the inventor interestingly described as follows:
To all whom it may concern:

My invention relates to improvements in water-marked or safety paper, and consists in applying coloring material to the pulpy paper web, during the manufacturing process and while such web is in a moist condition, but not until a considerable amount of the water has been extracted therefrom, such coloring material being applied without compressing the web or disturbing its fibers, and being of a nature which insures penetration of the web structure uniformly and evenly, that is, without running or spreading in said structure, so that the integrity of the color design is maintained beneath the surface upon which such design is impressed, as well as on such surface, whereby a paper is produced that has therein a distinct color design or a color body having depth as well as superficial area.

The color design penetrates and permeates the interior fibers of the paper, and extends entirely through so as to show on both sides of the paper.

In a Fourdrinier paper-making machine, which is the type of machine best adapted for carrying out my method and producing the new paper, the coloring material is applied to the web at some point between the couch-rolls and the calenders and preferably ahead of the first drier, in order that said web shall have passed one or more sets of press-rolls and thereby had removed therefrom the required amount of surplus water, before receiving said coloring material.

The object of my invention is to produce, in an economical and practical manner, paper of uniform thickness throughout, with which is incorporated or in which is present a clearly and plainly defined water-mark or design that extends entirely through the paper, so that imitation of the paper is rendered practically impossible, and alteration of either surface of the paper can be easily detected.

By the method which I employ I am able to produce a safety paper that is especially useful for checks, coupons, certificates, and the like, wherein the safety element is a necessary feature in order to prevent successful alteration or imitation.

Other objects and advantages will appear in the course of the following description.

Ordinary water-marks are merely uncolored or plain depressions made in the paper pulp, while on the Fourdrinier wire, by the dandy-roll which bears the particular design to be pressed into the pulp, or by another roll located near the dandy-roll and bearing such design. The pulp is very plastic at this time and the fibers are displaced and the paper is made thinner wherever the water-marking members come into contact with said pulp.

The above water-marking process has been supplemented by applying coloring material to the dandy-roll and by that to the paper pulp, or through the medium of an additional roll or roller, but always in advance of the first press-rolls, so that the pulp is acted on while in such a soft condition that the displacement of the fiber and the thinning of the web, wherever the design appears, is insured. The color, in this case, spreads or "runs" to a very great extent, and satisfactory results can not well be obtained.

Another Water-Marking Method

Another water-marking method is to carry the paper pulp between steel rollers, upon one of which is engraved the device, mark, or design that subsequently appears in the finished paper. Here, again displacement of the fibers occurs, the paper is made

thinner wherever the design appears, and there is no distinction of color.

Rubber type have also been employed for water-marking purposes, and have been applied to the paper web after it has passed one or more sets of press-rolls, but while still moist and plastic, so that the type marks or impressions are pressed into the paper as in the other cases, and there is no color mark.

Surface marks in color have been applied to paper pulp by means of a water-mark-printing roller, the coloring material being sucked into the pulp as the latter is carried over a suction-box, but this can not be done without fiber displacement which makes the finished paper uneven, and the design or mark must necessarily be more or less irregular.

Still another method of producing color markings is to dis-

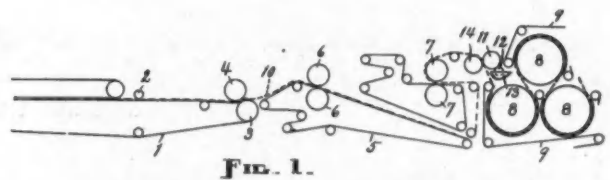


FIG. 1.

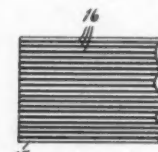


FIG. 2.



FIG. 3.

place the fibers of the pulp with a drag, and discharge, through cocks located adjacent to the furrowed portions of the pulp, coloring matter into said furrowed portions.

Again, finished or calendered paper has been marked in color by the ordinary printing process. The markings thus imposed or impressed on the paper are, of course, superficial, since they do not penetrate the texture, and can be removed without much difficulty.

There are obvious objections to all of the methods briefly set forth above, and to the papers produced by such methods, and it had been my aim to avoid such objections. This I have done and am now able to furnish a color marked paper which is uniform both in thickness and design, with the latter extending into the texture or body of the paper, as hereinbefore stated.

Drawing Described

In the accompanying drawings, in which similar numerals designate similar parts throughout the several views—

Figure 1 is a diagrammatic side elevation of parts of a Fourdrinier paper-making machine, which I may employ in producing my paper, and with which the color-applying roller is associated; Fig. 2, a plan of a fragment of paper marked with one of the numerous, not to say innumerable, designs that may be used, and Fig. 3, an enlarged cross-section through said fragment of paper.

In carrying out my method, it is necessary that the paper web be moist enough to draw into itself the coloring matter, yet not so wet that the coloring material will not spread unevenly, either on the surface to which such material is directly applied, or within the texture beneath such surface, and the web must be of the right consistency, so far as moisture is con-

(Continued on page 40)

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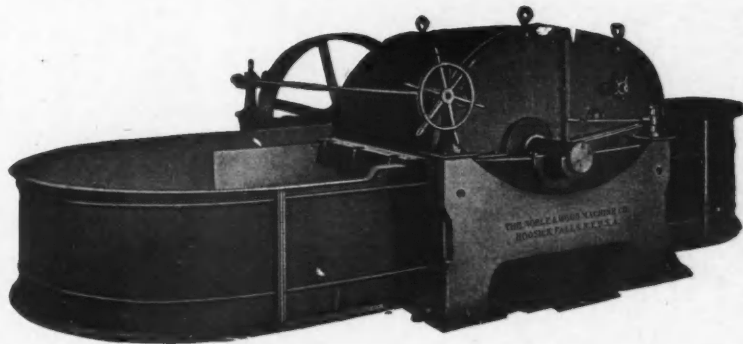
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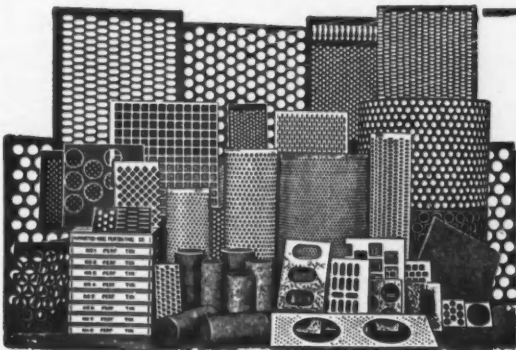
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IMPROVED WATER-MARKED OR SAFETY PAPERS

(Continued from page 38.)

cerned, to receive the impression of the design and the coloring material, from the medium that imposes said material on the web, without displacement or detachment on the part of the web fibers. It is on this account that the coloring material is applied to the web after it leaves the Fourdrinier wire, and usually not until said web approaches the driers.

Applying the Coloring Matter

Not only must the coloring matter be applied to the paper web while the latter is in the condition with regard to moisture described above, but such matter must be of such a nature that it will not spread or run on or in such web. To this end and as at present advised, the basic colors or coloring materials, most suitable for use in my method to produce the new paper, consist of acid anilins. These are saturated with water until reduced to about the consistency of cream, and are then applied to copper or other metal plates, to stereotypes or half-tones, or to metal, wood or rubber type, from which the transfer to the paper web is made. I do not, however, restrict myself to the use of the above-mentioned basic colors or materials, provided there be other colors or materials which are not acted on by the moisture in the web in such a manner as to break up the outline of the coloring matter as defined by the medium by which said matter is applied to said web.

The parts of the paper-making machine, with which my invention is more particularly concerned, are represented in Fig. 1 of the drawings, wherein the wire is indicated at 1, the dandy-roll at 2, the couch-rolls at 3 and 4, the felt at 5, the first pair of press-rolls at 6, a second pair of press-rolls at 7, and a set of driers at 8 with the drier felts at 9. The paper web is represented by the broken line 10. In addition to the aforesaid paper-making machine parts and members, an impression roller is represented at 11, a color-applying roller at 12, and a color pan at 13. The impression roller 11 is here shown in operative relation to a web-supporting roller 14 which is located between the second press rolls 7 and the driers 8, but the position of said impression roller might be changed and said roller arranged in operative relation to some other supporting or guide roller. The pan 13 contains the coloring material, and the roller 12 transfers such material from said pan to the roller 11 or to the design on said last-mentioned roller, in the usual manner. The web 10, on its way from the couch-rolls to the driers, passes over the roller 14 and between it and the roller 11, and it is at this time that said roller 11 impresses the color design on said web and the design is taken up or drawn in, as it were, by the web. The penetrative nature, quality, or capacity may depend upon the amount of moisture in the web, the consistency of the coloring matter, and the quantity of the latter which is deposited on the web, any or all of these factors entering into the case, although the most important is probably the first. Very much of the success of my method depends upon the degree of dampness of the paper web. If the web be not sufficiently damp or moist, the color is liable not to penetrate far enough to show clearly and sharply on the side opposite to the one to which it is applied.

What the Method Consists of

It will now be seen that my method, in detail, consists in applying to a damp or moist sheet or web of paper material, without compressing said material or otherwise disturbing or disarranging the fibers thereof, a sharp, even, and clearly defined design in coloring material, which coloring material is adapted to penetrate or be drawn in to said paper material, to the end that said design is reproduced on both sides of the finished paper

and within the structure or body of the same with exactitude or as the exact counterpart of the original design. The product of this method is a paper of uniform thickness and bearing within and without a colored design in regular or even outline.

In Fig. 2 a fragment of paper 15 is shown, which has incorporated therewith a series of wide parallel lines 16, such lines being of a color, tint, or shade that contrasts with the body of the paper or the other portions of the paper.

The section in Fig. 3 is greatly enlarged, or, more properly speaking, exaggerated, in order to show how the color penetrates the paper without spreading or running, so that the design is presented within as well as without with practically absolute accuracy, the same design, that is, the wide parallel lines, being retained in this view that is shown in the preceding view. The lines 16 of color extend entirely through the paper 15 from side to side.

How the Terms Are Employed

The term color with its derivatives, as employed herein, is used to designate and denote any color, whether a true color or not, tint, or shade which is capable of contrasting with the complexion or hue of the pulp material into which the color or coloring material is introduced.

The term design, as herein employed, is to be understood as meaning any letter, figure, or other character, line, outline, configuration, or any combination of the same, in short, anything of a designating character that is suitable for the purpose. It is evident that the number of available designs is very large.

I reserve the right to use other than rotary means with which to apply the coloring material to the surface of the paper web.

I expressly disclaim any method or step whereby the fibers of the paper material are displaced or the paper thinned in places, and any process of printing on finished paper, or the use of coloring material or matter that runs or spreads when applied to a paper web having a reasonable amount of moisture therein.

What Is Claimed

What I do claim as my invention, and desire to secure by Letters Patent, is—

As an improved article of manufacture, paper, of uniform thickness throughout, having a contrasting design delineated thereon and extending throughout from one side to the other, said design beneath the surface and on the side of the paper opposite to that to which said design is applied having clearly defined edges like the edges of said design on said surface where applied, substantially as described.

Berkshire Hills Paper Co. Resumes

NORTH ADAMS, Mass., January 6, 1919.—The Berkshire Hills Paper Company has resumed operation in full, after a partial shutdown of two weeks while new machinery was being installed. Several of the company's products were based on war conditions, and it was found necessary to eliminate them and begin producing new lines after the closing of hostilities. Some of the machinery was overhauled and some new machinery was put in to start the new work. The Berkshire Hills company has a large number of orders which it has been unable to fill and upon which it will be necessary to work for several months. The concern is more than ordinarily prosperous and the employees have shared in the prosperity of the company. The shut-down of two weeks was welcomed by the majority of the workmen. All the government contracts of the company were completed before the war ended.

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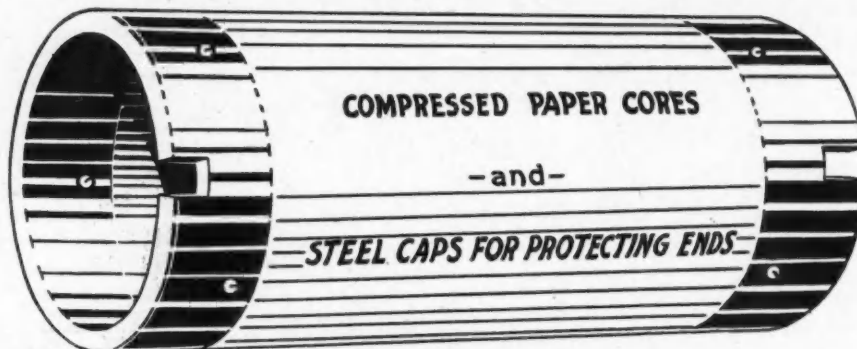
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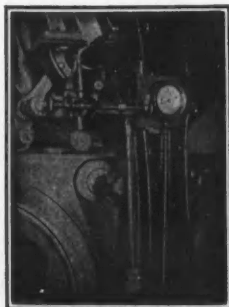
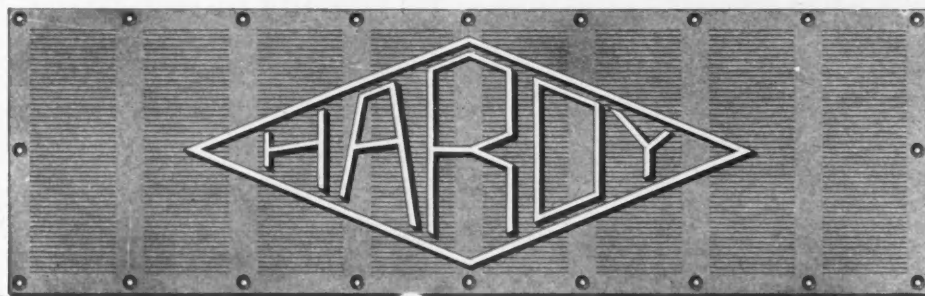
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W. F. PICKLES, Buckland, Conn.

EUROPEAN PROCESSES FOR PAPER-TEXTILES

There are certain features common to the paper-making and the textile industries, writes Trade Commissioner H. G. Brock, of London, Eng., in the second of a series of articles on this subject. Thus a web of paper and a textile yarn may be made from the same raw material, and, moreover, have a common characteristic, namely, that of being an agglomerate of discontinuous fibrous elements produced in continuous length.

The strength of cohesion of the two fabrics depends, in the first place, upon the surface adhesion of the fibrous units, but in the case of the textile yarn this is a less important factor than the twist communicated by the spinning process. The main point of contrast between the two is the length of the fiber used.

The problem then arises of converting the continuous length of paper into a textile yarn, with the associated question of the actual utility of the product. The elements of the problem are these:

- (1) The subdivision of the web of paper into strips of suitable dimensions.
- (2) The twisting and rolling of these strips continuously into cylindrical form.
- (3) Subjecting the cylindrical length of paper "felt" to a twisting operation so as to increase its tensile strength to a maximum.

Process of Emil Claviez et Cie

It may be noted that paper-yarn manufacture, though new in Europe, is based upon an old world practice, for the Japanese have for centuries used paper as a basis for string and twine, twisting paper strips of convenient width into cylindrical form and also piecing successive lengths to produce a virtually continuous fabric. This, however, was a manual operation performed upon the finished paper, and the product is only crudely suggestive of the pulp yarns which have been evolved through various stages of perfection by the work of European inventors bringing to bear upon the problem the resources of modern mechanical appliances. The three most important Continental systems for making paper textiles are described below:

Emil Claviez et Cie. have two systems of producing paper yarn: first, the system of taking the rolls of paper and pasting thereon cotton, jute or hemp waste. The roll is then cut into small strips and spun. The amount of waste used is about 10 per cent. of the weight of the paper. This waste does not add any strength to the final yarn, but it gives it the appearance of a fibrous yarn.

The second system is that of taking a roll of paper in a humidified state, and then cutting it into narrow strips and spinning. This system is useless unless the paper is spun immediately upon leaving the humidifying room. If it is allowed to get dry, it will not spin properly but will give an uneven and rough yarn. The speed at which these machines are run and the waste in spinning and working up the yarn have militated against the success of the system in ordinary times.

The Kellner-Turk System

The Kellner-Turk system is the consolidated result of the inventive work of the late Karl Kellner, of Hallein, a well-known pioneer of the wood-pulp industry, and of G. Turk, of Bad Gastein. The main patents are those of 1891 (D. R. P. 73101) and 1892 (D. R. P. 79272) and the claims are similar, the former indicating the formation of a pulp sliver by taking moist paper strips as delivered from a cylinder paper machine and subjecting them while still on the cylinder wire to a rubbing and rolling treatment by which they are rounded and consolidated; the latter patent indicating the same general plan of manufacture, but the rolling of the strips taking place after they have left the machine

wire. The production of the paper or pulp strips is effected by special construction of the wire cloth of the paper-making cylinder, which is an alternation of impervious brass strips with the ordinary 60-70 inch mesh wire cloth; the pulp is deposited on the latter only. These patents were acquired in 1900 by the Patentspinnerei in Altdamm, Stettin, in whose hands the process was further developed in the direction of the Turk patent.

The main feature of the process is the conversion of flat strips to a cylindrical form, under which there is incidental consolidation of the fibrous aggregate. This effect is produced by passing the strips through a special apparatus, the principle of which may be traced to an invention of O. Schimmel & Co., Chemnitz, described in the German patent No. 76126. The invention was, in its inception, applied to the "lap" or dry carded short fibre as delivered from a textile carding machine. The "lap," delivered at the full breadth of the card, is received between rollers that divide it by a peripheral cutting arrangement into narrow strips which pass forward to the rolling apparatus. This rolling apparatus consists of an upper and an under endless band of leather in close contact, disposed for motion in the horizontal plane, each around a pair of rollers moving in geared connection. The rotation of these rollers carries forward the now divided strips, but an alternating movement, with direction at right angles, is communicated to the leather band by eccentrics, and this movement is in turn communicated to the strips as they travel forward, under which they are continually rubbed and rolled into cylindrical form. They are then suitably laid down into receivers, to be transported to the spinning or twisting frames.

Limitations of the System

On the Kellner-Turk system as applied to the wet pulp strips a similar apparatus and process succeed the press rolls of the paper machine. The endless bands of the rubbing and cording rollers are in this case made of india rubber. The third operation—that of spinning or twisting—is carried out on the still moist thread. There are various devices employed in the textile industry for conferring the high degree of twist which characterizes the textile yarns in their final forms; the same principles and forms of machines are pressed into the service of the paper-pulp spinner. The twisting is mostly carried out on the "Ringzwirnmaschinen" (ring-spindle machine), i. e., frames carrying 60 to 70 spindles on the side. In making weft yarns the delivery of the spun yarns is varied so that it may be wound directly into cops or on to tubes placed over the spindles.

There are two limitations to the efficiency of the system; one is in the mode of making the pulp strips on a cylinder machine. The second limitation of efficiency—that is, in output, and therefore economic production—is in the speed of the machine and process of rounding and consolidating the strips. Taking 12 to 15 meters (meter = 3.28 feet) per minute as the speed of running, a machine of 80 spindles will produce in length from $12 \times 80 \times 60 \times 24 = 1,382,400$ meters to $15 \times 80 \times 60 \times 24 = 1,728,000$ meters a day. These lengths represent 460 to 576 kilos (kilo = 2.2046 pounds) of a No. 3 yarn or 115 kilos of a No. 12 yarn. In actual working, allowance has to be made for unavoidable breaks and stoppages, and the output is taken at 30 per cent. less than these figures. It may be noted that a beating engine (Hollander) of 160 to 200 kilo capacity (dry pulp) dealing with four charges in the 24 hours would feed two of such special machines.

In connection with the development of the Kellner-Turk process a number of patents have been taken out by Leinveber, which have been acquired by the Altdamm company. These inventions have reference to details which are found to be essential factors

(Continued on page 48)

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**TANKS
AND
TOWERS**

New York Market Review

OFFICE OF THE PAPER TRADE JOURNAL,
WEDNESDAY, JANUARY 8, 1919.

The first business week of the new year brought no material change in the condition of the New York market. Business continues slack, and the trade is marking time, pending the time when business will readjust itself to a peace basis. At present it does not look as if this readjustment would be a long time in coming. The Government is lending every aid possible to get business back on a normal basis, and already nearly all war restrictions have been removed. As soon as the export field is completely re-opened there will be a larger demand for paper than has ever been felt before, and all merchants are preparing to do a greater volume of business in 1919 than they have ever done in the past.

The market for news print continues firm. The demand continues fairly active, and prices have been maintained for all grades of news. So far the publishers attempt to re-open the news print case, has had no effect on the market, but should the publishers succeed in this attempt the market will probably be seriously affected.

The market for fine papers has held steady throughout the week. There is not much call for stock by retailers, but as jobbers are having some difficulty in obtaining paper from mills the market has held firm. All prices for fine papers have remained unchanged this week.

No improvement in the demand for coarse papers has been reported this week. While prices have remained generally firm, the market is not very strong, as the demand has fallen off at least 15 per cent in the past six weeks. Common bogus is the only grade of coarse paper that has shown a quotable effect of these conditions. Quotations on this grade are considerably lower this week than they were last.

Aside from the Government demand for roll tissue there is not a strong factor in the tissue market. The demand is poor, and there is more tissue in the market than is called for. Prices have been firm, in spite of this, however, and there have been no changes made in quotations.

Labor conditions have lent a rather firm tone to the board market this week. While the demand is not of great proportions at present, labor conditions have held prices firm, and there have been no changes made in quotations.

Ground Wood

The probability of a shortage of wood in the near future, together with the fact that grinding operations are being held up by the severe cold weather, has lent much strength to the mechanical pulp market. The market is very strong in spite of the fact the number of buyers of ground wood is not large. In addition to the two conditions mentioned above the market is also strong, as it is reported that consumers have not large stocks on hand. Grinders are of the opinion that because of this there will soon be a larger call for ground wood, and with stocks on hand at the grinding mills as small as they are at present, any increase in demand will send prices up to much higher levels than they are now. This week ground wood was sold at an average price of \$30 in the East and \$32 was the figure obtained in the West.

Chemical Pulp

The uncertainty at present as to the future trend of paper prices has naturally affected the pulp market. Sales have been limited by this uncertainty, since the ending of the war, and while there is no doubt in the minds of most pulp men that pulp prices must soon come down it is thought that prices will come down gradually, and no radical changes will be made. Paper mills have not yet resumed operations on the same scale as they have been operating in the past, and until they do the demand for pulp will not be large. Foreign pulps are not expected to come down in price

until next spring when navigation in the Baltic is re-opened. Such foreign pulps as are on the docks were contracted for at high war prices, and consequently they can not be sold at low figures.

All pulp prices have remained firm this week, but the market is in a very uncertain condition.

Rags

The inactivity which has manifested itself in the rag market for the past few weeks, continues as far as new rags are concerned. Old rags have fared slightly better, however, and blues and roofing rags have been moving in greater volume this past week than they have heretofore. The market is still dull, nevertheless, as the writing mills are only buying hand to mouth quantities of rags. Quotations for the most part have dropped on the various grades of new rags, while prices for all grades of thirds and blues, and roofing rags have been maintained. The biggest price drop of the week was made by new white shirt cuttings No. 1, which are now being quoted at 12@12½c.

Bagging

The demand for bagging has improved slightly this week, but the market is still very weak. Gunny No. 1 and No. 1 scrap bagging are now being more actively sought than they have been in the past, but the demand for other grades of bagging is no better than it has been. Prices have been maintained, however, in spite of this, and dealers now believe that any further change in quotations will be upward rather than down, as the market shows a firm undertone.

Paper Stock

Prices for all old waste papers continue on the decline, and this week has brought lower prices for nearly all grades of paper stock. There is no call for waste papers by board mills, at present, and there has been no active demand for paper stock felt from any other source. Only the present high cost of packing and grading waste paper has kept prices as high as they are now. Packers are optimistic, however, and they expect to do a larger business than ever as soon as board and paper mills resume operations on a normal scale. The biggest price drop of the week was made by No. 2 old manilas, which are now being quoted at 90@1.00c.

Twine

There has been no change in the conditions of the twine market. The difficulty in obtaining the raw materials from which twine is made has kept prices firm, in spite of a poor demand, and no improvement is looked for until after the harvesting of the new jute crop.

To Start Sensitized Paper Plant

FORT WAYNE, Ind., January 2, 1919.—The newest industry to be announced securing a location here is for the manufacturing of sensitized paper, a product which will be of great value, especially to plants like the General Electric Company. The plant is being brought here by Charles F. Spaulding, recognized by the government as an expert in the making of sensitized paper, the one product that has saved the United States Government thousands of dollars during the war. Mr. Spaulding has brought his paper coating equipment to this city, the same that has been in operation by the government at Attleboro, Mass. The product of the plan is colored paper, red or blue upon the surface of which is applied a white emulsion. The emulsion is subject to the stroke of a typewriter or the record of a stylus. In the former instance it operates as second sheet and file copy would, and in the latter for the recording of graphite instruments such as pyrometers, lime locks, truck recorders and numerous hydraulic and pressure instruments.

The old plant of the Virginia and Carolina Chemical Company, owned by William Griffin, has been taken over by Mr. Spaulding, who intends to start the manufacture of the paper in this city as soon as the necessary arrangements can be completed.

IMPORTANT

The paper quotations presented herewith are more or less nominal, as most of the mills have withdrawn quotations, due to unusual conditions.

Market Quotations

NEW YORK Trade Securities

Bids and asked quotation of securities listed on the Stock Exchange companies engaged in the manufacture of paper as reported on January 8, 1919, are as follows:

Table with columns: Company Name, Bid, Asked. Includes American Writing Paper Company, International Paper Company, etc.

Paper

Table of paper prices including Bond, Ledgers, Writing, Superfine, Engine Sized, News-f. o. b. Mill, etc.

Mechanical Pulp

Table for Mechanical Pulp: (F. O. B. Pulp Mills.) No. 1, f. o. b. Mill. 29.00 @ 34.00

Chemical Pulp

Table of chemical pulp prices including Sulphite (Foreign), Sulphate, Kraft (Foreign), etc.

Domestic Rags

Table of domestic rag prices including Shirt Cuttings, Cottons, Whites, etc.

Foreign Rags

Table of foreign rag prices including New White Cuttings, Unbleached Cottons, etc.

Bagging

Table of bagging prices including Gunny No. 1, Bright Bagging, etc.

Twines

Table of twine prices including India, Dark, Light, B. C., Italian, etc.

Old Waste Papers (f. o. b. New York)

Table of old waste paper prices including Shavings, Flat Stock, News, etc.

CHICAGO

[FROM OUR REGULAR CORRESPONDENT.]

Paper

Table of Chicago paper prices including Mill Price to Jobbers, Rag Bond, Sulphite Bond, etc.

Old Papers

Table of old paper prices including No. 1 Hard White, No. 2 Soft White, etc.

PHILADELPHIA

[FROM OUR REGULAR CORRESPONDENT.]

Paper

Table of Philadelphia paper prices including Bonds, Ledgers, Writings, etc.

Old Papers

Table of Philadelphia old paper prices including No. 1 Hard White, No. 2 Hard White, etc.

Rags

Table of Philadelphia rag prices including Old White, Blues, Thirds and Blues, etc.

(Continued on page 50)

Imports and Exports of Paper and Paper Stock

NEW YORK, BOSTON, PHILADELPHIA AND OTHER PORTS

NEW YORK IMPORTS

WEEK ENDING JANUARY 7, 1919.

SUMMARY.

Cigarette papers	519 cs.
Miscellaneous paper	321 cs.
Tissue Paper	29 cs.
Filter paper	88 cs.
Hangings	7 cs.
Wall paper	7 cs.

CIGARETTE PAPER.

Ladenburg, Thalman & Co., Mar Negro, Barcelona, 10 cs.
Frame, Leacraft & Co., Mar Negro, Barcelona, 11 cs.
Porto Rican American Tobacco Co., Mar Negro, Barcelona, 80 cs.
American Tobacco Co., Espagne, Bordeaux, 98 cs.
R. J. Reynolds, Espagne, Bordeaux, 320 cs.

PAPER.

J. F. Patton & Co., Adolph, Halifax, 306 bls.
B. F. Drakenfeld, Carmania, Liverpool, 6 cs.
Palm Bros., Carmania, Liverpool, 9 cs.

TISSUE PAPER.

Rose & Frank, Carmania, Liverpool, 26 cs.
R. Hoe & Co., Manhattan, London, 3 cs.

FILTER PAPER.

G. W. Sheldon & Co., Espagne, Bordeaux, 54 cs.
Reene Angel, Manhattan, London, 30 cs.
P. H. Petry & Co., Lydic, Gothenburg, 4 cs.

WALL PAPER.

G. E. Gregg, Tennyson, London, 12 bls.

PAPERHANGINGS.

W. H. S. Lloyd & Co., Manhattan, London, 7 pgs.

CHINA CLAY.

Perkins, Goodwine & Co., Kasama, Fowey, 505 tons.
Hammill & Gillespie, Kasama, Fowey, 305 tons.
Morey & Co., Inc., Kasama, Fowey, 211 tons.
Baring Bros. & Co., Ltd., Kasama, Fowey, 1,064 tons.
John Richardson, Kasama, Fowey, 157 tons.
Paper Makers Chemical Co., Kasama, Fowey, 594 tons.

PAPER STOCK, ETC.

R. F. Downing & Co., Mar Negro, Barcelona, 59 bls. old rope.
Smith Paper Co., Mar Negro, Barcelona, 108 bls. rags.
E. Butterworth, Carmania, Liverpool, 240 cls. old rope.
International Purchasing Co., Carmania, Liverpool, 55 cls. old rope.
Castle Gottheil & Overton, Carmania, Liverpool, 246 bls. bagging.

WOODPULP.

American Woodpulp Corp., United States, Copenhagen, 1,080 bls.
E. Butterworth, United States, Copenhagen, 375 bls.
American Woodpulp Corp., Lydic, Gothenburg, 3,000 bls.

SULPHITE.

American Woodpulp Corp., Lydic, Gothenburg, 1,250 bls.
Scandinavian American Trading Co., Lydic, Gothenburg, 2,500 bls.

PAPER TEXTILES IN EUROPE

(Continued from page 44.)

of economic production, such as the subdivision of the web of pulp into small strips (D. R. P. 140011) and the mode of distributing these to the further operations (140666). A further patent (140012) has reference to the rounding of the strips to a sliver by causing them to pass through a funnel, the tube of which is of spiral or other special construction, this treatment immediately preceding the spinning or twisting.

The Kron "Silvalin Yarn" Process

Wood-pulp spinning is a hybrid process, a cross adaptation of well-known paper-making and textile methods to the production of particular types of fabric, and involving in a special sense the question of cost of production. It may be noted in illustration of this point that while papers and staple textiles are produced and sold under a very wide range of costs and prices, the new industry in the hybrid products depends mainly upon cost of production. The system which consolidated the inventions of Messrs. Kron claims important progress in this essential element of success. In the first place, the production of the original pulp strips is intensified by employing the ordinary single cylinder American machine at its full width, the web being subdivided into narrow strips by an arrangement for driving jets of water upon the web at such distances that the web is divided into 100 to 500 strips per meter. The separation of the strips is, however, not thus completed; they are wound up on a roll of the full width, and are afterwards separated into disks. The process is based upon the following patents:

(1) Main patent (K. 23200 vii/76c). A process for spinning or twisting the cellulose (pulp) directly from pulp rolls.

(a) Addition—Patent I (K. 23887 vii/76c) for winding up the wet web at a breadth of the machine to be afterwards divided in pulp disks of suitable narrow width.

(b) Addition—Patent II (K. 23926 vii/76c) improvement in the manufacture of pulp rolls in a moist but coherent state.

(2) Main patent (K. 25168 vii/76c). Process and apparatus for rounding up moist strips of paper pulp, etc.

(3) Main patent (K. 25043). Process and apparatus for subdividing a web of pulp (as on the web end of pape. machine) into strips.

(4) Main patent (K. 26001). Apparatus for direct delivery of moist pulp strips.

(5) Main patent (K. 25036). Spinning machine for preparation of detachable cops.

Details of Kron System

The succession of operations in the Kron system is as follows:

1. The formation of the web on the machine wire and its subdivision into strips by the impact of jets of water.

2. The pulp strips are subjected to the action of press rolls for the gradual removal of water and progressive solidification of the fibrous aggregate. It is then further dried on a steam-heated cylinder, and wound up in what is termed a magazine roll, which holds a series of disks in close contact. These are detached as required for the further operation of twisting.

3. The winding off and twisting involves the passage through the machine, from which the strips are delivered continuously to the spindles. These have a speed of 3,000 to 8,000 revolutions per minute with the sliver traveling at 8 to 16 meters per minute according to the size of the yarn and the degree of twist required.

So-called pulp yarns have only half the breaking strength of jute, and lose nearly all their strength in a moist condition, and the waste is considerable.

Special Twisting Machines—British Production Costs

Special twisting machines have been invented and patented by the company's managing director for the manufacture of paper twines of all descriptions. It has been the custom so far to make twine by spinning narrow paper strips, then putting them on the chesing frame on large cheeses, and after that twisting several strips together on the twisting frame, which in the ordinary way meant three operations. On the British machines it is possible to take, instead of a number of small threads, a wide strip of paper corresponding to the number of threads and twisting same in one operation, waterproofing it and moistening it at the same time.

Owing to the speed at which the machines are run and to the elimination of waste, it is now possible, under the British system, to manufacture paper textiles of all descriptions at the same cost as cloth or twine manufactured from jute, hemp and cotton, and in some cases the cost is considerably less.

American Paper Co. Organizes

HARTFORD, Conn., December 30, 1918.—The American Paper Company of this city has organized with a capital of \$4,000. The subscribers to the stock are Morris H. Karp, twenty shares; Joseph Cohen, nineteen, and Benjamin Dubofsky, one. All are of Hartford.

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Miscellaneous Markets

Office of THE PAPER TRADE JOURNAL,
WEDNESDAY, JANUARY 8, 1919.

ALUM.—A strong export demand for alum has been felt this week and the market shows a stronger tendency than it did a week ago. The domestic demand is still weak, however, and prices have not changed. Quotations remain: Lump ammonia, 5.25@5.50c., and powdered alum 6.75@7.50c. Lump potash 11@12c. per pound; chrome potash 20@21c. per pound, and chrome ammonia 17@19c. per pound.

BLANC FIXE.—There has been no improvement in the blanc fixe demand this week. Manufacturers report that consumers are buying only small quantities, and the number of sales being made is not large. The price remains, however, \$55@60 per ton in pulp form.

BLEACHING POWDER.—The demand for bleach continues light for domestic consumption, with the export demand a trifle better. An improvement in the demand is looked for in the near future, however, and an advance in prices is also expected. At present bleaching powder is selling for 2.50c. packed for domestic use, and 3.50c. is being asked for bleaching powder packed in export drums.

BRIMSTONE.—The brimstone market continues steady. Producers are able to fill all orders promptly and no difficulty will be experienced in obtaining all the brimstone desired. The price continues \$25@30 per ton at the mine.

CASEIN.—There has been a slight improvement in the demand for casein this week. Most of the casein that is being imported from Argentina is disposed of on contract previous to its arriving on the dock, but domestic production is of sufficient proportions to supply any remaining demand. The price continues 18@22c.

CAUSTIC SODA.—The caustic soda market continues easy. There is not a very strong demand for caustic at present, and dealers are not expecting the demand to improve until later in the month. Prices now being quoted on spot stocks are 4.15@4.25.

CHINA CLAY.—The clay market is still strong because of the fact stocks are scarce. Production lately has not been quite up to normal and as a consequence the market has been strong in spite of a poor demand. Prices continue, however: Crude domestic \$8@10, and washed at the mine \$11@13. Foreign clays range in price from \$12@20, according to the grade.

ROSIN.—Conditions in the rosin market have not changed this week. Prices have remained firm, but the demand is still poor. Quotations on papermakers' grades of rosin are as follows: E, 14.65@14.80; F, 14.65@14.85; G, 14.70@14.80.

SATIN WHITE.—The demand for satin white has been slightly better this week. Dealers report that there has been a fair movement of stocks at steady prices, and the market has been firm. The price continues 2.25@2.50c.

STARCH.—For carload lots, freight prepaid to New York City, the following quotations are made per 100 pounds: Globe starch, in bags, \$4.12; in bbls., \$4.34. Buffalo corn starch, in bags, \$4.30; in bbls., \$4.52. Eagle finishing starch, in bags, \$5.07. Crystal T. B. starch, No. 90, fluidity (hand packed), in bags, \$5.74; in bbls., \$6.60. Crystal T. B. starch, No. 90, fluidity (machine packed), in bags, \$5.69; in bbls., \$6.46.

SODA ASH.—The demand for soda ash has not improved to any appreciable degree this week, and the market is still very weak. Prices are low and no improvement is expected for two or three weeks yet. Present quotations are: 2.20@2.50c. for soda ash in bags, and 2.60@2.80c. in bbls.

SULPHATE OF ALUMINA.—The sulphate of alumina market has been a trifle stronger this week because of an increase in the export demand. The domestic demand has not changed, but a

scarcity of stocks has also lent strength to the market. Prices continue: 2.25@3c. for the commercial grade, 3.50@4c. for the iron free.

TALC.—The talc market continues steady. Producers are contracting for their output at fairly high prices and the market has a firm tone. Quotations on talc now range from \$15@20 per ton, according to the grade.

Canada Paper Company's Purchase

Two hundred square miles of timber limits on the St. Ann's River have been purchased by the Canada Paper Company, Limited, of Windsor Mills, from William Power and Hiram Calvin. The limits are absolutely virgin forest, and are sufficient to ensure a perpetual supply for the company under modern methods of forestry.

Market Quotations

(Continued from page 47)

BOSTON

[FROM OUR REGULAR CORRESPONDENT.]

Paper		These prices are F. O. B. Mill.	
Bonds .....	.14 @ —	Chip Board (ton)..	60.00 @ 65.00
Ledgers .....	.18 @ —	Straw Board (ton)..	56.00 @ 60.00
Writings—		News Board (ton)..	77.50 @ 80.00
Superfine .....	.18 @ —	Wood Pulp Board..	77.50 @ 87.50
Fine .....	.15 @ —		
Books, S. & S. C. ..	.11½ @ —	Old Papers	
Book, M. F. ....	.11 @ —	Shavings—	
Book, Coated .....	.12 @ —	No. 1 Hard White	5 @ 5¼
Label .....	.13 @ —	No. 1 Soft White	4¼ @ 5
News, Sheets .....	.06 @ —	No. 1 Mixed....	2.00 @ 2.25
News, Rolls .....	.05 @ —	Ledger & Writings	2.25 @ 2.50
Manilas—		Solid Books	1.50 @ 1.75
No. 1 Manila....	.06½ @ .07	Blanks	1.90 @ —
No. 1 Fibre.....	.06 @ .06½	No. 2 Books, light.	1.50 @ —
No. 1 Jute.....	.12 @ .12½	Extra No. 1 Manila	2.25 @ —
Sulphite, No. 1..	.09 @ .09½	No. 1 Manilas....	1.50 @ 1.75
Kraft Wrappings..	.09½ @ .10	Folded News (over-	
Common Bogus ..	.03¼ @ .03¼	issues)	1.10 @ 1.30
		Old Newspapers..	.85 @ 1.00
		Mixed Paper ....	.60 @ .75
		Gunny Bagging ...	3.25 @ —
		Manila Rope	7 @ 7¼

TORONTO

[FROM OUR REGULAR CORRESPONDENT.]

Paper		Sulphite, easy bleach-	
(Mill Prices to Jobbers)		ing	
Bond—			95.00@105.00
Sulphite	13¼ @ —	Sulphite, news grade	78.00@ 85.00
Light tinted	14¼ @ —	Sulphite, bleached..	135.00@175.00
Dark tinted	16 @ —	Sulphate	105.00@110.00
Ledgers	18 @ .30		
Writing	13 @ —	Old Waste Papers	
News, f. o. b. Mills—		(In carload lots, f. o. b. Toronto)	
Rolls (carloads)..	\$3.45 @ —	Shavings—	
Rolls (l. c. l.)...	3.32¼ @ —	White Env. Cut..	5.00 @ —
Sheets (carload)..	3.80 @ —	Soft White Book	
Sheets (l. c. l.)...	3.92¼ @ —	Shavings	4.20 @ —
Book—		White Bl'k News	1.30 @ —
No. 1 M. F. (car-		Book and Ledger—	
loads)	10.00 @ —	Flat Magazine and	
No. 2 M. F. (car-		Book Stock (old)	1.70 @ —
loads)	9.00 @ —	Light and Crum-	
No. 3 M. F. (car-		pled Book Stock	1.40 @ —
loads)	8.25 @ —	Ledgers and Writ-	
No. 1 S. C. (car-		ings	2.80 @ —
loads)	10.25 @ —	Solid Ledgers....	3.25 @ —
No. 2 S. C. (car-		Manilas—	
loads)	9.25 @ —	New Manila Cut..	2.20 @ —
No. 1 Coated and		Printed Manilas..	1.50 @ —
litho.	12.25 @ —	Kraft	4.00 @ —
No. 2 Coated and		News and Scrap—	
litho.	11.25 @ —	Strictly Overissue	1.25 @ —
No. 3 Coated and		Folded News....	1.00 @ —
litho.	10.50 @ —	No. 1 Mixed Pa-	
Coated and litho.,		pers	80 @ —
colored	12.50 @ 14.50	Domestic Rags—	
Wrapping—		Price to mills, f. o. b. Toronto.	
Grey	5.25 @ —		
No. 3 Manila....	5.60 @ —	Per lb.	
No. 1 Manila....	7.35 @ —	No. 1 White shirt cuttings	.14
Fibre	7.35 @ —	No. 2 White shirt cuttings	.09
Kraft, M. F. or		Fancy shirt cuttings.....	.09½
M. G.	9¼ @ —	No. 1 Old whites.....	.05½
		Thirds and blues.....	.04
		Per cwt.	
		Black stockings	3.00
		Roofing stock No. 1.....	2.50
		Roofing stock No. 2.....	3.00
		Gunny bagging	4.40
		Manila rope68
		Pulp	
		(f. o. b. Mill.)	
		Ground Wood	\$29.00 @ 30.00

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NIAGARA FALLS, NEW YORK

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HIGH TEST

Packed in Steel Drums, air tight, insuring full strength at point of consumption

LIQUID CHLORINE

Pure, anhydrous, in improved and convenient packages.

Soda Ash

48 per cent. and 58 per cent.

Caustic Soda

60 per cent., 70 per cent., 72 per cent., 74 per cent., 76 per cent.; also 78 per cent. Our 78 per cent. Caustic Soda is an article of greater purity than has ever before been produced in a commercial way, analyzing 99.70 Hydrate of Soda

Bicarbonate of Soda

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Arnold Hoffman & Company, Inc.

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PROVIDENCE: 55 Canal Street NEW YORK: 61 Broadway BOSTON: 88 Broad Street
PHILADELPHIA: Delaware Ave. and Green St. CHARLOTTE, N. C.

Want and For Sale Advertisements

HELP WANTED

WANTED—An experienced envelope salesman familiar with the jobbing trade in Philadelphia. Position offers steady advancement to right man. Address Box 894, care Paper Trade Journal.

WANTED—Beatermen wanted in Box Board mill. Steady work. State experience and salary expected. Address 895, care Paper Trade Journal.

SALESMAN WANTED—Long established concern, Manufacturers and Importers of Paper Stock Specialties, desires Salesman to cover the Middle West. To a live energetic, resourceful man, a splendid opportunity is offered. Replies treated in strictest confidence. Address Box 896, care Paper Trade Journal.

WANTED for New York factory, man competent to adjust and run self-opening paper bag machines, Stillwell type. Also flat and square machines. Steady position and possible chance for advancement. Address Box 905, care Paper Trade Journal.

FIRST CLASS ENGINEER wanted with experience in coloring. Eight hour system; steady work; mill located in central states. Address Box 867, care Paper Trade Journal.

WANTED—Two good cylinder machine tenders, also two good back tenders on small machine making bread wrapps. Middle aged men preferred, must be sober and give reference. Mill located in middle west. Good town and good position for right man. Address Box 868, care Paper Trade Journal.

AN EASTERN paper mill having strong values in pound papers and papereries wants first class salesmen, on commission, acquainted with stationery buyers of department stores. Territories open centering at Chicago, St. Louis, Kansas City, Minneapolis, Pittsburg and Philadelphia. State experience and present connections. Address Box 869, care Paper Trade Journal.

WE HAVE a good proposition for a live Toilet-Paper and Paper Towel salesman for New England. Address Box 870, care Paper Trade Journal.

WANTED—Two first class machine tenders, \$5.00 per day, and one night boss. Steady work in good location. Address Box 871, care Paper Trade Journal.

WANTED—Machine tender and back tender for 68" Fourdrinier Machine running two tours on Bogus stock. Address Southern Fibre Company, Portsmouth, Va.

SPECIAL OPPORTUNITY—Growing factory wants practical man with energy, and ideas, and ability, who can furnish designs for machinery for general use in paper mills. An arrangement will be made for remuneration to increase as sales do. Address Box 885, care Paper Trade Journal.

WANTED—Toilet and Wrapping Paper Salesman for New York state on Commission, State experience, etc., in first letter. Address Box 888, care Paper Trade Journal.

WANTED—A paper mill Salesman with experience in medium grade writing papers to sell the jobbing trade in Middle West and Western market. All applications received will be treated with strict confidence. Splendid opportunity for the right man. Address Box 853, care Paper Trade Journal.

FOR SALE

A pair of Hamilton, Corliss engines—size 16 x 36, arranged to drive on to one crank shaft; and One Thousand other items for the Paper maker.

Address

The Shurtle Brothers Machine Company
Middletown, Ohio

HELP WANTED

WANTED—Chief electrician as maintenance man for paper and sulphite manufacturing plant. Must be experienced in A. C. Apparatus. References required. Address Box 855, care Paper Trade Journal.

WANTED—Machine tenders for cylinder machine making roofing felts. Eight-hour shifts. Address Box 856, care Paper Trade Journal.

WANTED—A good reliable Steam Engineer, to take full charge of our steam plant in a one Machine Boxboard Mill. Must be reliable and steady. State references and experience. Address Box 833, care Paper Trade Journal.

WANTED—Machine and calender men for coating mill. Apply The Franklin Coated Paper Co., Franklin, Ohio.

WANTED—Cylinder Machine Tender. Small wrapping Mill. Two tours. Steady work. Address Box 850, care Paper Trade Journal.

DRAFTSMAN on paper mill work. Maintenance, repairs, changes, etc. State full particulars, salary expected and when available. Permanent position. Bayless Manufacturing Corporation, Austin, Penna.

WANTED—Quick. One good all-round paper mill Machinist. Address C, care of Paper Trade Journal.

WANTED—Quick. One good all-round paper mill Millwright. Address "D," care of Paper Trade Journal.

WANTED—"Mill-wrights for general paper mill repairs. Good pay. Steady work." Address Box 717, care Paper Trade Journal.

WANTED—Foreman for wet machine Binder Board Mill. Must have thorough knowledge of the manufacture. State wage and date can enter on duties. Address Box 765, care Paper Trade Journal.

WE require First Class man for tying up paper in Finishing Department. Steady position for reliable man. Box 721, care of Paper Trade Journal.

WANTED—Sulphite Cooker. Two tour mill. Apply at once. Address: "A," care Paper Trade Journal.

SITUATIONS WANTED

POSITION WANTED—First class cylinder machine tender experienced on all grades boards, tags, container and combination. Steady and sober. First class references. Address Box 898, Paper Trade Journal.

GROUND Wood Superintendent (machinist by trade) desires position. Experienced in every detail of construction and installing machinery, operating and maintaining; familiar with cost system; capable of handling men; able to take full responsibility to secure results. Temperate and reliable; can give the best of references. Address Box 899, care Paper Trade Journal.

SUPERINTENDENT Wants Change: Twenty years practical experience, cylinder and fourdrinier grades, Great Britain, Canada and United States. Technical training, chemistry and papermaking, member Technical Association Pulp and Paper Industry. Well up on power plant efficiency, good on colors, can handle help and get results. Would accept assistant's position in large plant. Address Box 900, care Paper Trade Journal.

YOUNG man now traveling salesman for one of America's largest paper houses, handling all grades of fine and coarse papers as well as twines and ropes, desires position with exporter in any foreign territory. An especially qualified to handle printers items as am practical printer. Address Box 906, care Paper Trade Journal.

SUPERINTENDENT wishing to make a change would like to hear from firm wishing a superintendent, assistant or night boss. Well up on all grades of board. Best reference. Address Box 910, care Paper Trade Journal.

GOOD Machine-tender desires steady position making container or combination board, married and reliable. Can come at once. Address Box 907, care Paper Trade Journal.

(Continued on page 53.)

FOR SALE

PAPER MACHINES—One 74" four cylinders, 3 Presses, 15 Dryers, 1 stack of Calenders, Reel, Slitter, Winder, Marshall Drive.

DRYERS—14 36" x 84", 15 36" x 68", 3 48" x 100", 4 48" x 111".

PAPER SHEET CUTTERS—1 112" Finlay, 1 62" Horne, 2 63" Hamblet, 1 49" Finlay, 1 53" Finlay, 1 44" Hamblet, 2 44" Finlay, 2 42" Finlay.

REAM CUTTERS—1 50" Dayton Seybold, 1 48" Acme, 1 46" Sheridan, 1 36" Sheridan, 1 48" Sheridan.

SLITTERS—1 137" Kidder, 1 108" Kidder, 1 62" Kidder, 1 62" Meisel, 1 48" Black & Clawson, 1 96" Pusey & Jones slitter and single drum Winder.

WET MACHINES—One 48" Wet Machine for board, one 72" Sandy Hill, one 72" Bagley & Sewall.

SUPER CALENDERS—2 63", 1 60", 1 54", 4 45" Norwood.

FLATERS—1 Norwood 40".

MACHINE CALENDERS—1 72" eleven rolls, 1 68" five rolls, 1 60" three rolls, 1 37" seven rolls, 1 48" six rolls.

PRESSES—3 Hydraulic Presses, 2 Holyoke Screw Presses.

JORDANS—1 Jones Wagg Majestic, 2 Horne, 1 Emerson.

BEATERS—6 Jones, rolls 61" dia. x 48", never used; 4 Noble & Wood, rolls 72" dia. x 44"; 2 Horne, rolls 48" dia. x 44"; 1 Horne, 60" dia. x 48".

PUMPS—1 Deane Water Power Pump, 10" x 10" triplex, 2 Deane triplex stock pumps, 8" x 8".

SHREDDER—1 Leather Shredder, 1 Jeffrey 30" x 30" Chip Crusher.

SCREENS—1 12 plate Harmon open side, 2 10 plate New Success, 1 12 plate New Success, 1 8 plate New Success, 1 Sandusky Centrifugal Screen. Lot of Screen Plates.

ENGINES—1 Flatkill Corliss 18" x 42", 1 8" x 12" Hall, 1 Cooper Corliss Cross Compound, 14" x 20" x 36", 1 Cooper Corliss Cross Compound, 1 Putnam, 12" x 30", 1 Corliss, 10" x 24".

CYLINDER MOLDS—1 36" x 110", 5 30" x 74", 3 30" x 80", 2 30" x 72", 1 30" x 63".

1 Union Machine Co. Kollergang.
12 Three Pocket Grinders.

1 96" x 14 1/2" Millspang Suction Roll.
2 Stevens Digesters.
1 Rotary Boiler, 7' x 21' 6".
2 42" Waldron Coaters.

FRANK H. DAVIS

175 Richdale Ave., Cambridge B, Mass.

FOR SALE

BEATERS—40x36" with iron tub, 17" long, two 65x54, one 42x42, one 48x48, 4 Claflins. New Umphersons.

CALENDERS—Five roll 48", 9 roll 63", 7 and 9 roll 72", 3 roll 80", 9 roll 80", 9 roll 84", 7 roll 86". Four roll friction.

COATER—One 43" double Waldron coater.

CUTTER—100" Finlay, 72" Dillon, 68" Black & Clawson, 84" Moore & White, 48" Holyoke, One T & S rag cutter. Several ream cutters.

CYLINDER MOLDS—Two molds 30" dia., 78" face.

DRIVES—One Moore & White No. 9 A.

DRYERS—26 new shells 36" dia., 124" face; 3 new shells 36" x 76"; also three 36 x 36 with frames, etc.; four 28 x 60" all ready to set up. Lot of odd dryers.

DUSTERS—One 6 bowl Holyoke revolving, also two railroad dusters.

JORDANS—Emerson & Horne type Jordans.

MACHINES—One 72", 2 cylinder machine.

PUMPS—One triplex self-contained suction pump, one 1,000 gal. Worthington, tank pump 10 x 16 x 16 x 18 Knowles, fifteen fan pumps. New stock pumps, single and duplex.

ROTARIES—About ten horizontal rotaries; three Globe rotaries.

SCREEN—One Wandel screen. Also a lot of other machines which have not yet been listed. Write us for anything you want.

Lot of new split pulleys, sprocket chains, cone pulleys. Some new wooden pulleys with friction clutches.

Mills Machine Company
LAWRENCE, MASS.

(Continued from page 52.)

SITUATIONS WANTED

MASTER MECHANIC—With wide experience on construction and maintenance of paper and pulp mills desires position. Best of references furnished. Correspondence solicited. Address Box 908, care Paper Trade Journal.

EXPERIENCED Toilet Bag & Twine salesman desires to connect with house for trade in South or West or for local territory. Can furnish best of reference. Address Box 911, care Paper Trade Journal.

CYLINDER Machine Tender wishes to make a change, well up on all grades of boards, container chip news, tag, bristols, and wrapping papers. Married, sober and steady, best references. Address Box 876, care Paper Trade Journal.

CHEMIST with mill experience accustomed to handling men in office and mill, age 34, married, conversant with the mottored system with kraft or sulphite mill. Will be open for position about Jan. 15. Address Box 877, care Paper Trade Journal.

WANTED POSITION—As Supt. of Small Paper mill running on tissue, light weight kraft, Bogus Bristols, wrapping Manillas, also understand washing and bleaching of old paper Stock, also Hard stock; twenty-five years' experience. I am temperate and can furnish best of reference. Address T. E. M., 122 India Street, Brooklyn, N. Y.

WANTED—Position as mill manager or assistant mill manager by man of several years experience in wrapping, news and board grades. Capable mechanical engineer. Best references. Just mustered out of service. Address Box 858, care Paper Trade Journal.

BOXBOARD SUPERINTENDENT—Manager, exceptionally high grade man having long experience in the production of superior grade of box boards, would make a change, having a thorough technical training including power plant efficiency, can produce results that will satisfy. Eight years with present company. Address Box 859, care Paper Trade Journal.

WRAPPING PAPER SALESMAN with large experience wishes to represent Paper Mills direct to Southern Jobbers and Factories Brokerage Plan, or will pay cash in advance for all sales. Can handle any grade. Address Box 861, care Paper Trade Journal.

EXPERIENCED PAPER BAG SALESMAN wishes to represent manufacturer of Self-Opening Paper Bags, in Virginia, North and South Carolina. Commission Plan only. Box 862, care Paper Trade Journal.

EXPERIENCED SUPERINTENDENT would like to make change. Would accept position as assistant superintendent in large mill. Experienced on both fourdrinier and cylinder machines. Address Box 863, care Paper Trade Journal.

YOUNG MARRIED MAN with several years' experience as stevedore, labor man and superintendent of pulp wood operation, desires to make change. Would like to get connected with a company in this country, Canada or Japan. Will give results. Address Box 864, care Paper Trade Journal.

WANTED—A superintendent that is a practical paper maker with 16 years' experience on all the better grades of combination board suite box manila tags highest container wishes to make a change, can furnish the very best of references. Address Box 821, care Paper Trade Journal.

BEATERMAN wants position, allround experience. Hard and Soft Stocks, Ledgers, Onion Skin, Book, Tissue, Off-plate or Marshall. Address Paper-maker, 92 Prospect St., Williamsett, Holyoke, Mass.

FOR SALE

FOR SALE—New two-shaft corrugated Slitting and Scoring Machine, feed and delivery table, will cut to seven feet in width. Diameter of shafts 4 1/2", slitters 7 1/2", scorers 7". Five Hundred Dollars. Potdevin Machine Company, 1221 38th Street, Brooklyn, N. Y.

FOR SALE—One machine mill, annual business \$300,000, capital \$75,000, making light weight specialties; offers for sale \$25,000—7% preferred stock with bonus of \$12,500 common stock. Would prefer party who could take over sale agency on commission basis. Reply Box 883, care Paper Trade Journal.

FOR SALE

FOR SALE—1 Second Hand, 100 H. P. Reeves Drive, Speed Change, with 42" Cone, Disks, Shaft, Belt, Bearings, and Stand complete. The Barret Company, Latrobe, Pa.

FOR SALE—One 38" Seybold 20th Century Treadle Cutter. Perfect condition, never been used. Truscon Laboratories, Caniff Ave., & Grand Trunk R. R., Detroit, Michigan.

FOR SALE—Boilers, five horizontal, 150 H. P., complete with fronts, clean-out doors and all trimmings. Immediate delivery. Hartford Inspection 125 lbs. Valley Paper Company, Holyoke, Mass.

FOR SALE—Two 56" John Waldron cylinder paper coating machines, complete with brushes festooning machine and winding. Machines have been very little used. We have discontinued the business requiring the use of these machines. Endura Mfg. Co., Philadelphia, Penna.

FOR SALE—The following calender rolls in good condition: 4 rolls, 9" x 88" (1 cored for steam), 1 roll 18" x 88". Address Burmus Paper Co., West Dudley, Mass.

FOR SALE

Two 8' x 24' Rotaries, One 7' x 20' rotary, also two extra large bleaching engines. Immediate delivery. The Shartle Brothers Machine Co., Middletown, Ohio.

PAPER MACHINERY FOR SALE

- 6 White Oscillating Screens, with new oscillating device.
 - 8 Plates 10 x 24", cut .0014.
 - 2 Auxiliary White Screens.
 - 4 Plates 10 x 24", cut .0018.
 - 1 New York Safety Steam Engine, Upright, 125 H. P. Cylinder 16 3/4" Bore, 18" Stroke. Flywheel 98" Diam., 18" Face.
 - 3 Holyoke Machine Co. Platers 36" Rolls.
 - 1 Fan (Blower) made by B. F. Sturtevant Co. of Boston, Mass. Diam., 72" x 40" wide; 37/16" Bearings 12" long; casing outside dimensions, 42" x 8' 6" x 7' 2".
- All in good condition. Prices low. Address Parsons Paper Company, Holyoke, Mass.

WANTED

FIBRE BOX EXPERT—LIFE TIME OPPORTUNITY BY LARGE FINANCIALLY STRONG BOX BOARD CONCERN in the Middle West. Must be qualified by previous experience to plan, equip and operate at maximum efficiency, high class large factory for producing ultimately 200 tons Fibre Shipping Containers daily.

The right man whose size in experience, ambition and ability measures up to this proposition, will find himself happily placed. State age, salary and experience. Address Box 891, care Paper Trade Journal.

PICKQUICK

This is IT



The Best

5c ROLL in the U. S.

Write us for samples and prices. Salesman Wanted.

THE H. NORWOOD EWING CO.

MISCELLANEOUS

A GENTLEMAN with large acquaintance in the paper trade would like to arrange to sell a part or whole of the output of one or more good mills. Address Box 903, care Paper Trade Journal.

SELLING Organization desires to represent on commission basis, manufacturers of Kraft, Tissue or any other good line for the jobbing trade and large consumers, in the city of New York and its immediate suburban towns. Address Box 904, care Paper Trade Journal.

WANTED—Multiple effect Vacuum Evaporator wanted. Must be in first class condition and suitable for Soda Liquors. Capacity approximately 400,000 gallons per twenty-four (24) hours. Give name of manufacturer, send specifications and blueprints if possible, state condition, price and delivery. Address Box 901, care Paper Trade Journal.

WANTED—One Claflin Beater, new or second hand, in quoting give full description and shipping point. Address Box 902, care Paper Trade Journal.

SELLING Organization in San Francisco desires to represent on commission paper and paper products manufacturers. Wide experience and acquaintance among lithograph, printing and allied trades. Are in touch with large consumers of paper specialties. Address Box 909, care Paper Trade Journal.

A PAPER mill site on a railroad or a running Paper Mill so situated with ample Water Power. One or more Machines. Address Box 880, care Paper Trade Journal.

WANTED by New York Exporter, specializing on paper products, agencies on the following lines: Bond Papers, Coated & Book Papers, Toilet Papers, Napkins, School Supplies. Please use your card for replies. Address Box 882, care Paper Trade Journal.

Former army officer, engaged in manufacture of paper before the war, made acquaintance among jobbers, exporters and large consumers, desires mill connections, white paper on commission basis preferably. Can offer N. Y. office facilities. Will consider single mill connection salary basis. Address Box 893, care Paper Trade Journal.

For Sale
Noble & Wood
Beater Engines

Rolls: 72 ins. diameter
Face: 44 inches

FOR FURTHER INFORMATION ADDRESS:

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Salvage and Reclamation Division

Wilmington, Delaware

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CONSULTING ENGINEER

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Electric Plants neering

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MASS.

Manufacturers of

Index Bristols, White Bristol Blanks, Etc.



Arthur D. Little, Inc.

Chemists and Engineers

CAMBRIDGE : MASS.



The most frequent troubles that we meet with in paper mills are due to lack of standardizing processes. Things are not done just the right way to get just the right product. The thing desired is obtained—and then again it is not—and nobody knows why. Then is the proper time to write to us and find out what it will cost to get us to study the matter. That information is free.

Directory

Cards under this heading will be charged for at the rate of \$30 per annum for each card of three lines or less, payable in advance. Each additional line \$10.

Architects and Engineers.

CAREY, JAMES L., Paper Mill Architect and Engineer, 208 North Laramie Ave., Chicago, Ill.

CHAPMAN, C. A., Inc., Paper Mill Architects and Engineers, 28 Jackson Boulevard E., Chicago, Ill.

FERGUSON, HARDY S., M. Am. Soc. C. E., Consulting Engineer, 200 Fifth Ave., New York.

HARDY, GEO. F., M. Am. Soc. M. E., Consulting Engineer, 309 Broadway, New York.

KNOW, S. M., Mill Architect, Engineer, Paper and Pulp Mills. Steam and Water Power plants. 55 Kilby street, Boston, Mass.

JOSEPH H. WALLACE & CO., Industrial Engineers, Temple Court Building, New York. Manufacturing Plants and Power Developments. Reports of Industrial Properties, Appraisals, etc.

Bale Ties.

WILSON, H. P. & H. F., Manufacturers of Steel Wire Bale Ties, for baling all compressible material. 544 West 22nd Street, New York City.

Boards.

MILLER PAPER CO., FRANK P., high grade specialties. Boards. East Downingtown, Pa.

Metal Skylights and Ventilators.

WE manufacture metal skylights and ventilators for paper and pulp mills. **E. VAN NOORDEN CO.**, 944-52 Mass Ave., Boston, Mass.

Rags, Paper Stock, etc.

BERLOWITZ, PAUL, 132 Nassau Street, New York. Importer of Rags, Bagging, New Cuttings.

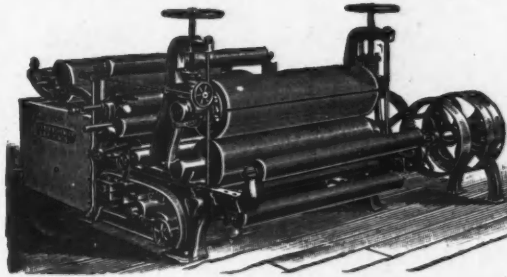
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Manufacturers of **PAPER MILL MACHINERY**

LEE, MASS.

Revolving Paper Cutters Rag Cutters Cylinder Paper Machines Washing and Beating Engines



Chilled Iron and Paper Calenders
Fan and Stuff Pumps
Engine Roll Bars and Bed Plates
Cylinder Molds
Marshall Drives
Slitters and Rewinders
Reels
Dryers with Improved Packing Boxes
Wet Machines
Gun Metal and Rubber Rolls
Rolls Reground

FLYNN, MICHAEL, 54 Columbia Street, Brooklyn, N. Y.

OLDSTEIN, R., & SON, Baltimore, Md. Cotton Rags and Paper Stock.

GRUNDY & SONS, LTD., JAMES, Chorley, England, supply new and old rags of highest quality for paper makers. Enquiries solicited.

HILLS, GEO. F. 108-112 Cliff Street, New York.

JACOB & CO., Alexander, Wapping, London, England. Supply all classes Waste Papers and Shavings, Paper Making, Rags, etc. Correspondence solicited. Paris Office, 3 Cite d'Hauteville.

LIVERPOOL MARINE STORE CO., Liverpool, England. L. M. S. Wood Tag, Manila, Rope and Star Brands (Registered).

MCGUIRE, MICHAEL, 100 and 102 Tenth Avenue, New York.

ROSENBAUM, INC., L., 316 Lafayette St., New York City. Packers exclusively of new cuttings.

SIMMONS, JOHN, SONS, Paper and Paper Stock. 28 and 30 South Marshall Street, Philadelphia, Pa.

Special Machinery.

DIETZ MACHINE WORKS, experienced builders of special machinery with well equipped modern shop, can quote low prices in machine building. Send drawings, 126-128 West Fontaine Street, Philadelphia, Pa.

SWIFT, GEORGE W., JR., Designer and Manufacturer of Special Machinery for Manufacturing and Printing Paper Goods. Bordentown, N. J.

Straw Pulp.

SCANDINAVIAN-AMERICAN TRADING CO., Produce Exchange, New York. All other kinds of Pulp.

BUY MORE THRIFT STAMPS



REPLACE MEN

in your storeroom for piling cases, barrels, bales, etc., by using a Revolvator.

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REVOLVATOR CO. 357 Garfield Avenue Jersey City, N. J. Sales Agent for N. Y. Revolving Portable Elevator Co.

Penn Paper and Stock Company

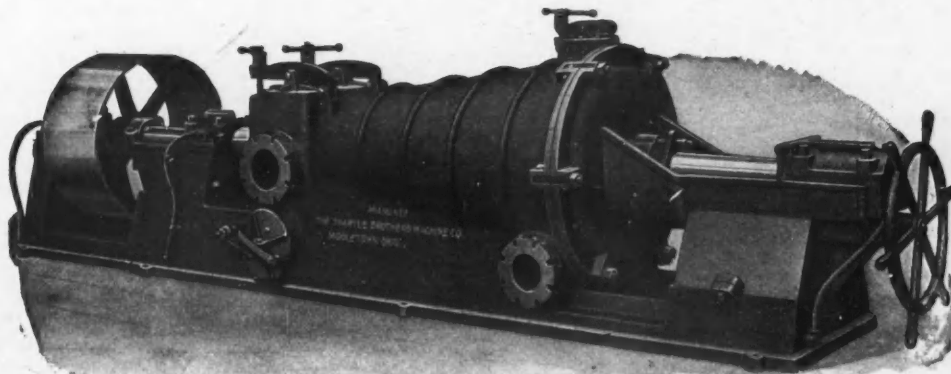
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SPOT CASH paid for jobs in bond paper, white or colors, any grade that will cut down to 11 x 17, any weight. Send samples, with lowest spot cash prices. No lot too small, and none too large.

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Mills, Etc.**CALENDERS**FURNISHED COMPLETE
FITTED WITH PATENT **ELECTRIC MOTOR LIFT**

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The Heller & Merz Co.

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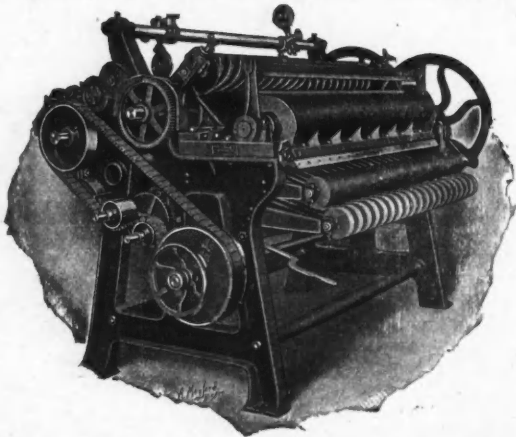
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Paper Cutters

Single, Duplex and Diagonal



Cutter Knives : Patent Top Slitters

HAMBLET MACHINE CO.

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PAUL C. ZÜHLKE

320 BROADWAY

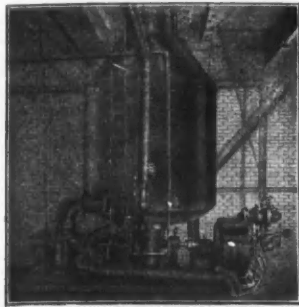
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FELTS***For Any Grade of Paper or Pulp***ARE GUARANTEED***To Give Entire Satisfaction*

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This shows latest model—driven by a steam turbine—the exhaust being used to heat water for next charge.

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It de-fibers and liberates ink and color in one operation. It separates ink and color from fibers, instead of rubbing, grinding or kneading them in—thus shortening the time required for washing, and insuring a brighter pulp.

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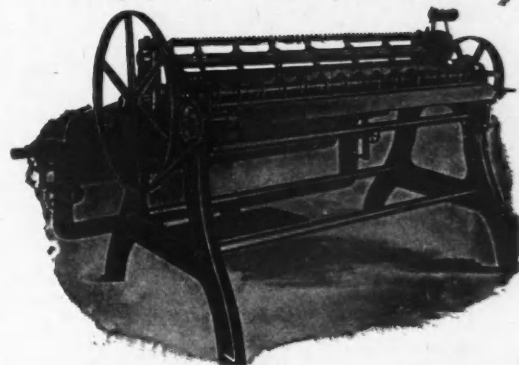
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For making Toilet Paper Rolls with or without perforations



Self-Adjusting—Easy to Operate
WE ALSO MANUFACTURE

AUTOMATIC TUBE MACHINES

FOR MAKING TUBES FOR TOILET PAPER ROLLS
CAPABLE OF PRODUCING 3,600 WIRE STITCHED
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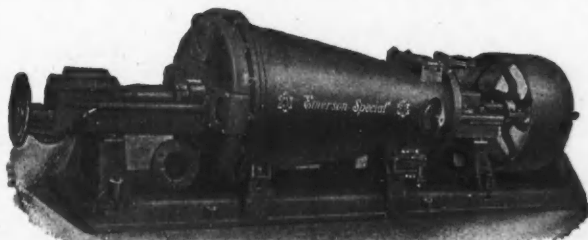
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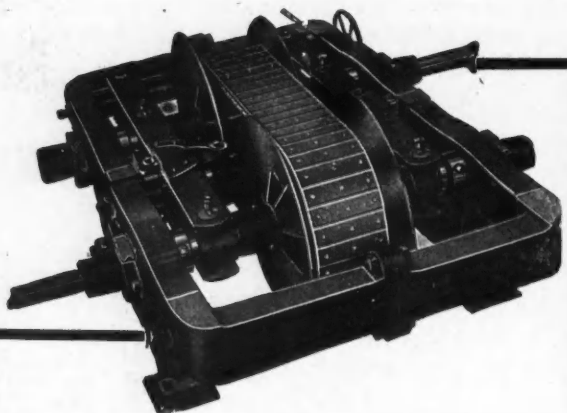
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Two (2) Voith Papermachine Screens, size No. IV, each for a capacity of from 20 to 30 tons per 24 hours.

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Three (3) Spare Cylinders for size No. IV papermachine screens.

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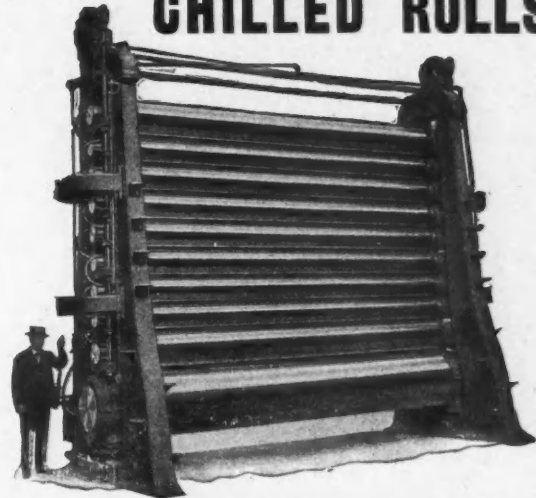
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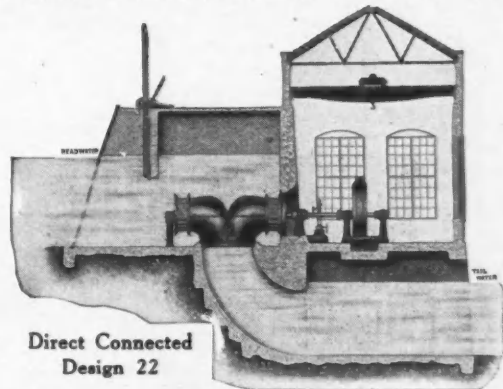
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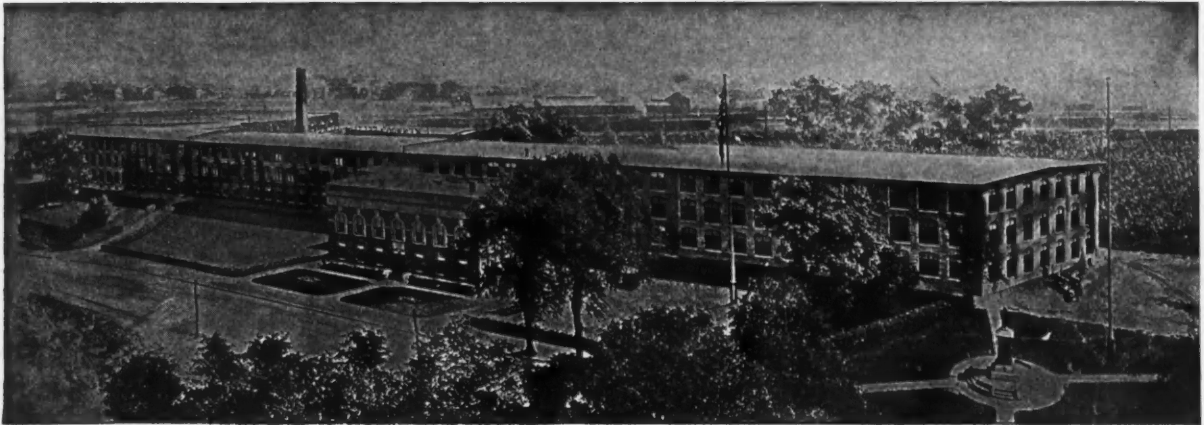
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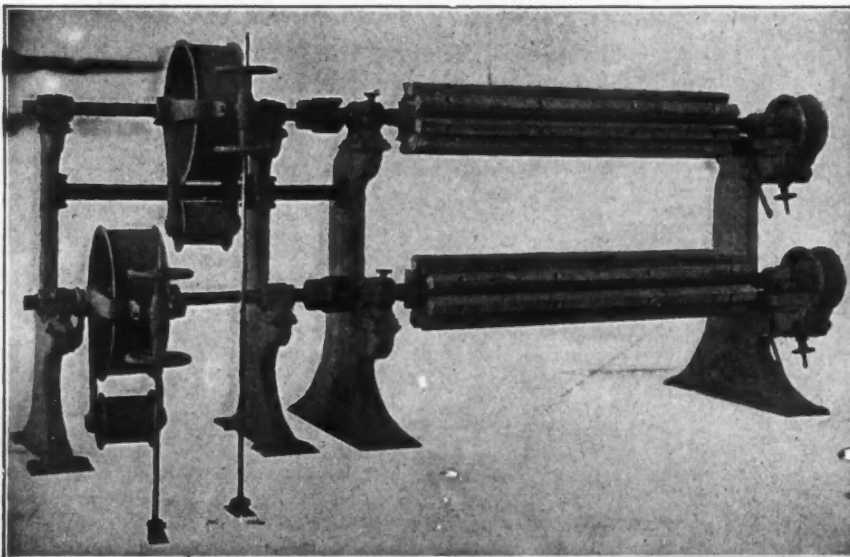


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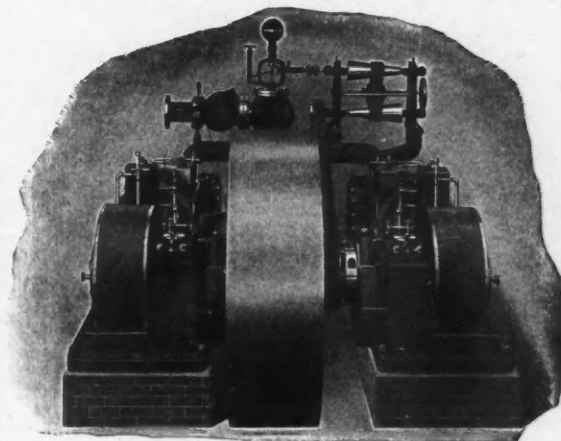
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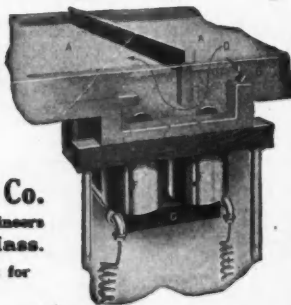
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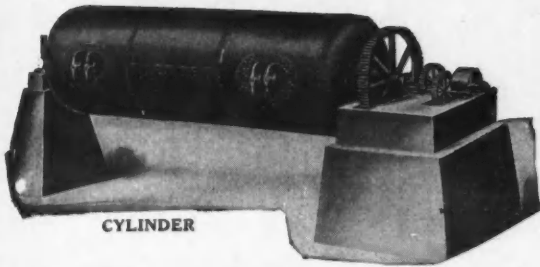
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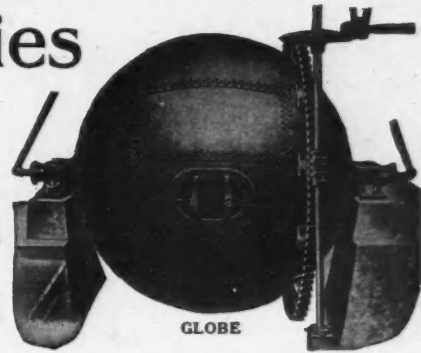
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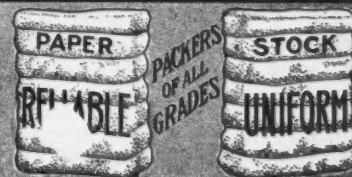
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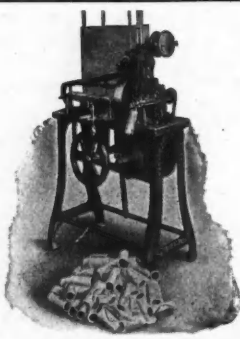
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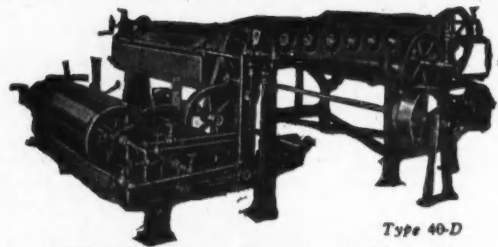
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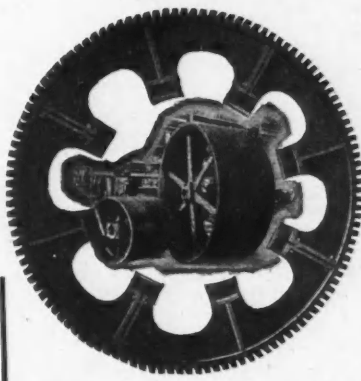
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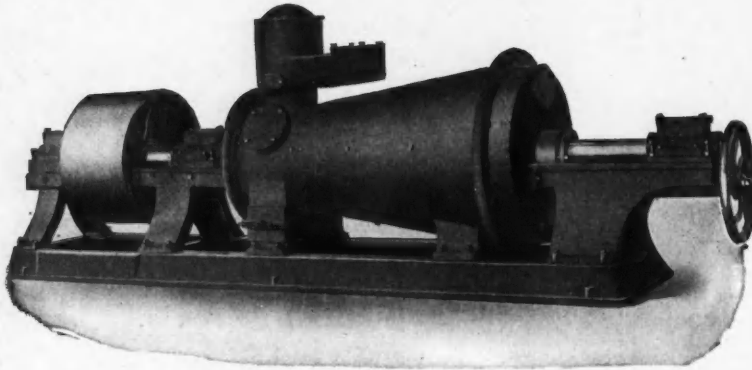


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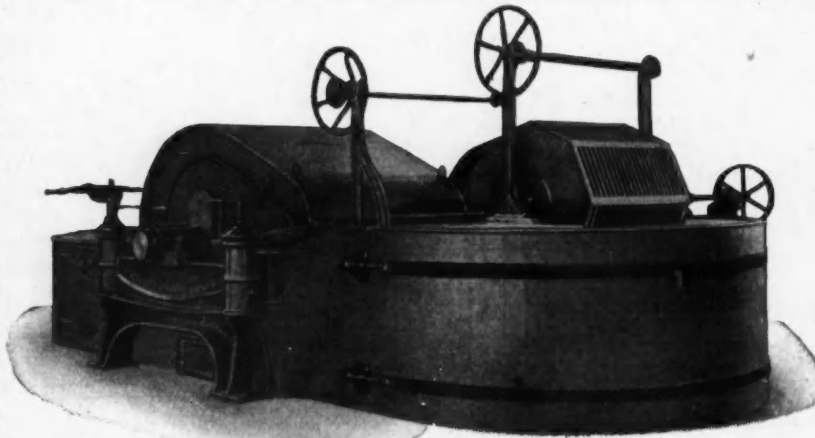
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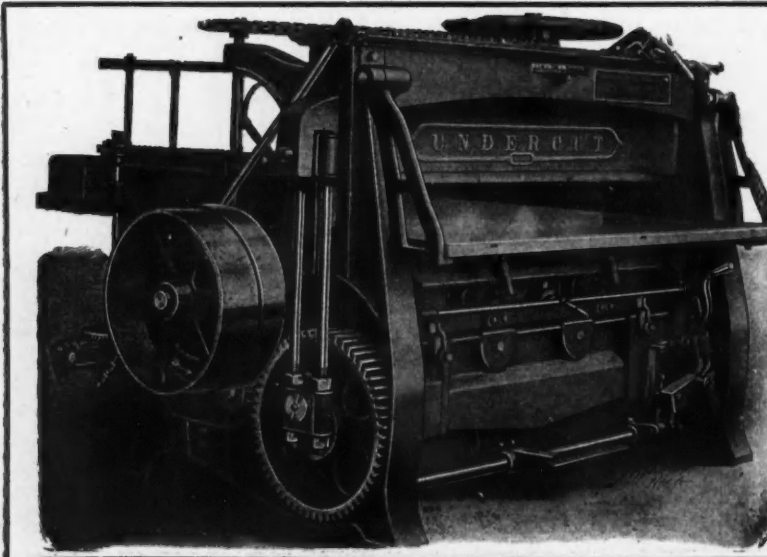
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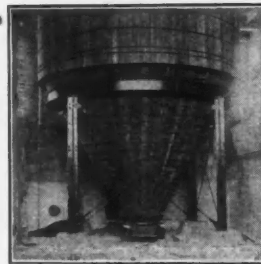
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**WOOD TANKS
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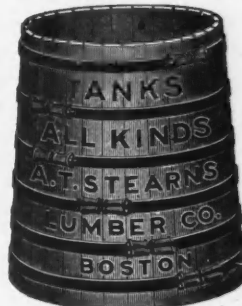
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OUR AIR DRIED CYPRESS IS REMARK-
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Brass, Copper and
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Best Quality of
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