

MEMBER OF THE A. B. C.
FORTY-EIGHTH YEAR

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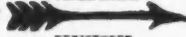
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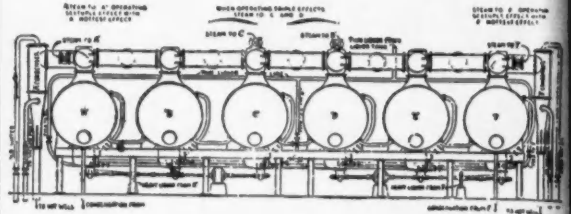
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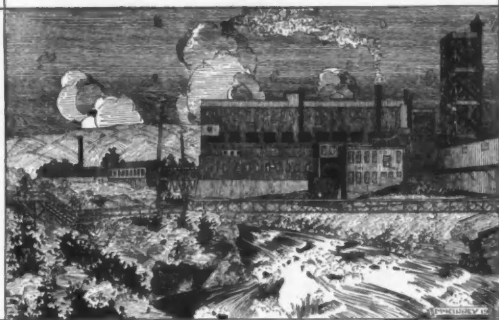
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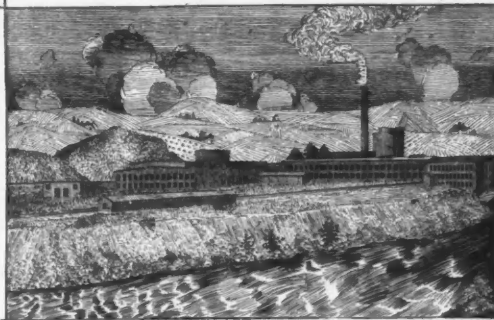
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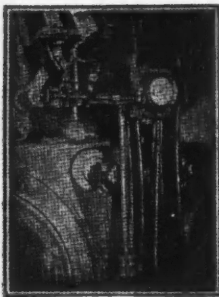
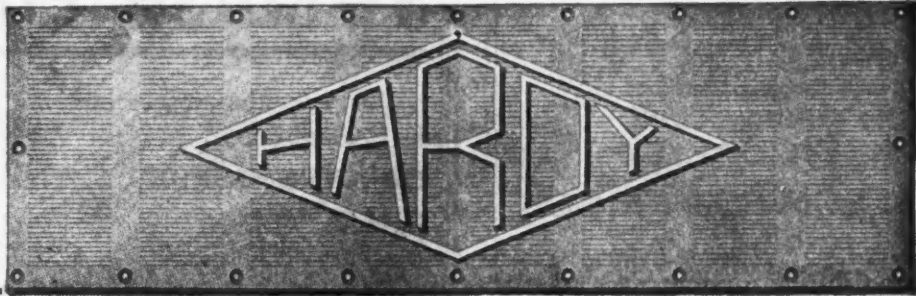
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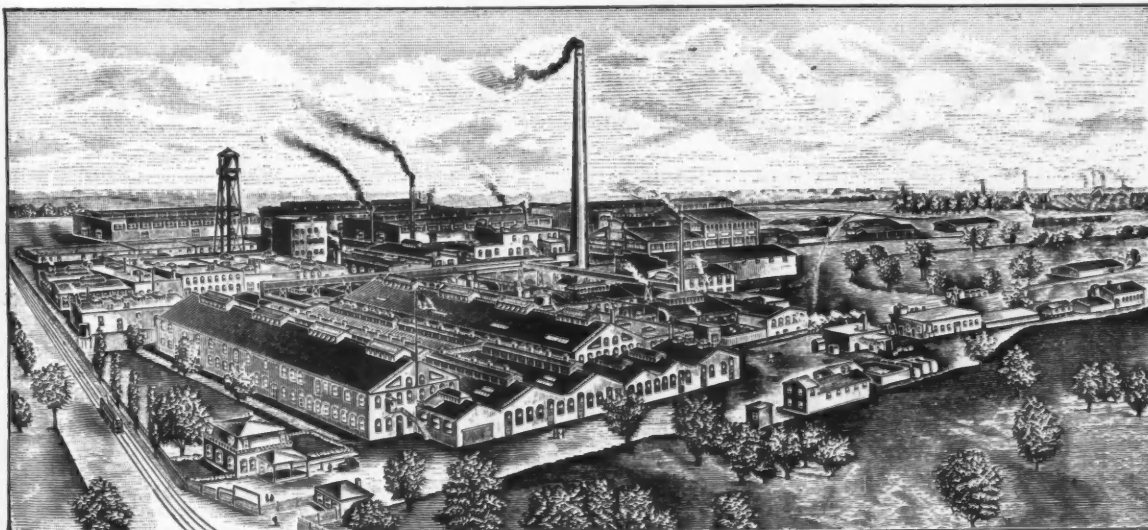
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NEW YORK AND CHICAGO

Thursday, November 13, 1919

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PAPER MILL SUPERINTENDENTS MEET IN CHICAGO

Fall Meeting at the Congress Hotel is One of the Most Interesting and Largely Attended in the History of the Organization—President Boyce Says the Association is Destined to Become One of the Most Important in the Paper Trade—Various Well Known Men in the Industry Make Helpful Addresses on Important Topics—Visit Chicago Lumber Co.

CHICAGO, ILL., November 10, 1919.—More than 100 members attended the fall meeting of the American Pulp and Paper Mill Superintendents' Association, which was held November 6 and 7 at the Congress Hotel. The program consisted of a number of most instructive addresses and papers on subjects closely connected with the manufacture of paper. In addition, general discussions developed during the two days' session which proved most valuable to all present.

Rapidly Growing Organization

"While we are a young organization," said President Fred C. Boyce, of Wausau, Wis., in an impromptu speech on the morning of the second day's meeting, "I am convinced that the American Pulp and Paper Mill Superintendents' Association is destined to become the strongest body in the paper trade. With few exceptions the owners of mills have approved of their superintendents joining the association, believing that they would receive practical hints which will make them better paper makers."

In the course of his remarks, Mr. Boyce refuted the opinion which has become marked in some sections of the country, that the new organization has anything of a union in its nature. The only resemblance to a union is that the paper mill superintendents are united in their determination to improve their knowledge of paper making. As one of the speakers humorously remarked during the course of a general discussion, when a man has been engaged in making paper for six months he thinks he knows all about the art; in a year he begins to discover that there are a few things to learn, and after about twenty years he becomes entirely convinced that he does not know anything about making paper. This remark well illustrates the spirit which was displayed during the meeting. Men who had been making paper the longest seemed most eager to learn more about the business, and in the general discussions the old-timers had more questions to ask than the younger element.

More than 80 per cent of the superintendents present at the meeting came from Wisconsin and Michigan. Several were present from Canada. The East was not well represented. However, it is believed to be only a question of a short time until the pulp and paper mill superintendents of the East will see the benefits of membership in the association.

The meeting opened on the morning of November 6, about 10 o'clock in the Florentine Room of the Congress Hotel. Phil Grau, secretary of the American Furniture Manufacturers' Association, made the opening address. By his enthusiasm and optimism, more than by what he said, Mr. Grau gave the session a fine start.

New Method of Making Sulphite

D. F. O'Connell, president of the Sulphite Committee, was not in the room when President Boyce called for his report. "Ole" Berger, who is a member of the committee, was called upon for a report. He responded with a very interesting talk on a new method which is being worked out in the manufacture of sulphite. He illustrated his points, all of them highly technical, with a chart, making everything clear to the superintendents. The new method described by Mr. Berger showed greater economy of operation over the ones now in general use, and it was the pre-

diction of paper mill superintendents present that the system described by Mr. Berger will soon be in use in all sulphite plants.

Henry Bert, chairman of the Box Board Committee, was called upon for his report. Mr. Bert, who has been in the sales end of the business for the past six months, said he believed it would be a good thing for every superintendent of a board mill to get out and talk with buyers a little for the purpose of learning what they expect in board. Mr. Bert told of the big future which box board has as a substitute container for articles now packed in boxes and barrels. He deplored the large amount of poor box board on the market.

"Box board manufacturers can turn out the best quality," he said, "which can be made into containers and still sold at a cost much lower than any wooden or veneer container. A manufacturer tries to get away with too much, by letting a board, which costs less to make, get out on the market for use as shipping packages. The packages do not hold up and the shipper decides that he must go back to boxes and barrels, even if they cost him more."

The speaker discussed the manufacture of water-proof board for use in the packing of butter, cheese and other dairy products. He said that box board, properly made, is entirely suited to the requirements of this sort of trade.

John E. Mulcahey, chairman of the Ground Wood Committee, told of experience in making ground wood pulp. He described methods of operating the grinders so as to get increased production without injuring the quality of the product.

Mr. Derby Speaks on Casein

The balance of the morning was taken up by a most interesting address by H. L. Derby, of the Kalbfleisch Corporation. Mr. Derby's subject was "Casein." He said in part:

"I know of no other commodity which may vary in quality so greatly without detection to the average user. The appearance will not enable even an expert to determine with any degree of accuracy the quality or strength of casein. It is an easy matter to ascertain the solubility of casein, but then again solubility does not necessarily indicate the strength or value of casein. The intrinsic worth of casein to the paper coater depends almost entirely upon the actual strength of the casein, and it requires elaborate tests to ascertain the strength. The user must, therefore, rely somewhat upon his source of supply to deliver casein adaptable to his use, and having as nearly a theoretical 100 per cent in quality and strength as is obtainable. "It is possible, with laboratory apparatus in some of the paper mills, to make tests determining the relative strength of casein, but all mills do not have this facility. The general plan is to ascertain the quality of casein is by its actual use on the coating machine. The requirements of the paper industry are more severe than almost any other line into which casein enters, and casein suitable for many lines of work, such as composition, paint, etc., would be wholly unsuitable for paper coating. You all know that if an insufficient quantity of casein is used in your coating solution of clay, satin white, color, etc., the coating "picks" and does not adhere to the paper. If the usual quantity is used, and this casein does not possess the ordinary strength, the same-

unsatisfactory results occur. You are familiar with the laboratory method of testing the strength or adhesiveness of your coating. As a matter of information to those uninformed, I am taking the liberty of presenting to you the adhesive or strength test for casein recommended by Arnold O. Dahlberg, of the Dairy Division, United States Department of Agriculture:

"Fifty grams of casein ground fine enough to pass through a screen with 20 meshes to the inch is weighed into a casserole whose weight is known, 100 cubic centimeters of cold distilled water is added, the two well mixed and allowed to stand for a short period, when 90 cubic centimeters more of distilled water is added in which 5 grams of borax has been dissolved. Distilled water is then added to the mixture until it weighs 250 grams, and the casserole placed in a water bath having a temperature not to exceed 149 degrees F. (65 degrees C.) and stirred until the casein is dissolved. When the casein is completely dissolved, more water must be added to take the place of that lost by evaporation, so that each 5 grams of the solution will represent one of casein. One hundred grams of china clay or kaolin, previously dried at the temperature of boiling water for one hour, is weighed into a heavy casserole, and 70 cubic centimeters of distilled water added and mixed to a smooth paste, care being taken to work up any lumps that may settle to the bottom. After weighing the casserole with its contents of clay paste, 30 grams of the casein solution representing 6 grams of casein, is added to it and thoroughly mixed with the paste. A stiff brush is helpful in getting a good mixture. A thin coating of the mixture is then applied to several small sheets of test paper by means of a thin brass scraper or camel's-hair brush, using care to spread uniformly. The casserole is again balanced and 5 additional grams of the casein solution added, the solution well mixed and another set of test sheets coated, containing the procedure of adding 5 grams of the casein solution and making a set of test sheets until sufficient casein has been added to hold the coating properly to the test paper. Best results were obtained by using the brass scraper, which requires that the paper be placed on a perfectly flat surface, such as plate glass. When using a brush the coating mixture should be painted on very quickly, first lengthwise and then crosswise. When the sets of test papers having an increase of 1 gram of casein for each succeeding set are perfectly dry, a short stick of sealing wax softened by heating at one end is applied with a fairly firm pressure to various points where the coating is uniform, and allowed to cool. The paper is then held down firmly by placing the fingers on each side of the wax and the latter pulled away with a steady pull. In case of an insufficient quantity of casein, the wax will pull only the clay mixture, but when a sufficient quantity of casein has been used, it will pull the paper fibres strongly to the edge of the wax, showing that the coating material has actually become a part of the paper. Usually a transition point is found when the center of the stick of wax will pull the paper fibres partially, while the next set, having 1 gram more of casein will pull all the fibres to the extreme edge of the wax. A good grade of casein should not require more than 8 or 9 grams to hold strongly.

"Manufacturers of high grade coated paper in which satin white is used, frequently encounter difficulty due to the coating solution coagulating. This sometimes is caused by the combination of sulphuric casein with the satin white, the base of satin white being sulphate of aluminum, which is a sulphuric acid product. Satin white may be neutral and work perfectly with natural soured casein. If the sulphuric casein is used and the acid has not been properly washed from the casein, the excess of sulphuric acid present, when the casein is in solution, combines with the satin white and coagulation results. Additional alkali is required to overcome this condition."

Have Luncheon and Visit Mills

The morning session adjourned after Mr. Derby had concluded his speech. The United States Rubber Company had invited everybody to lunch out at the plant, but on account of the large crowd, it was decided to hold the luncheon in the Florentine Room.

The afternoon was spent in a most enjoyable trip to the plant of the United States Rubber Company and to the paper board mill of the Chicago Mill and Lumber Company. At the latter place the superintendents saw how good board is made out of the famous Chicago River water.

Dinner in Florentine Room

In the evening, at 7.00 P. M., there was a dinner and entertainment in the Florentine Room. Three lady vocal artists, and one toe dancer furnished a world of entertainment for the superintendents. The girls flitted among the assemblage, tickling a bald dome here and there, or chuckling some embarrassed superintendent under the chin. A comedian of the Harry Lauder type, and almost as good as Harry, sang songs and gave amusing imitations of one thing and another. The evening was a riot.

Address on Industrial Relations

The second day's session opened about 10.00 o'clock on the following morning. George P. Hambrecht, chairman of the Wisconsin Industrial Commission, spoke on Industrial Relations. Mr. Hambrecht told the superintendents that swearing at labor conditions and the attitude of the workers will not remedy the situation. The workers must be led out of the present feeling of unrest by being made to take a greater interest in their work.

"Let us take an illustration," said Mr. Hambrecht. "Suppose you hired a man, and told him to pick up, one at a time, a pile of stones and transfer them to the other end of the yard. When he had them all transferred, you told him to take them back and place them where he found them. Repeat that operation a few times. I do not think it would be long before the man would tell you to go to the devil. He would take no interest in the job, not understanding the object of his labor, and in a little while the work would become boring beyond endurance. Yet in your paper mills men are doing work with little knowledge of what their labor means. They do not follow the paper after it leaves the mill, as it goes out to perform service to the human race. If the men could see and understand that they are making a necessity, they would take more interest. If they do not follow the paper after it leaves the mill their job becomes very much like the stone-pile job. They will work just as little as they can and will show an interest only in the pay envelope. Teach your men of the service they are performing to the race by making paper and they will help you make more paper and better paper."

W. T. Schmitt, cost expert of the American Writing Paper Company, was the next speaker on the program. His address follows:

Preservation of Mill Roofs

K. Barth, of the Barrett Company, followed with an address on the "Preservation of Mill Roofs." Mr. Barth told of the growing favor with which the use of creosote is regarded. He showed a number of lantern pictures, illustrating how woods, used in paper mill roofs without being treated, rot out after a few years. He described the growth of mycelium within wooden timbers. Merely painting of these timbers will not stop the decay. The timber is infected when it arrives at the mill. The thing to do is to kill the germ of decay by impregnating the timbers with creosote before using. This work is done in tanks, especially constructed for the purpose. The timbers are

(Continued on page 50)

CONTINENTAL PAPER BAG CO. BUYS PAPER MILL PROPERTIES

Acquires Large Plants at Marinette, Wis., and Menominee, Mich., of the Marinette and Menominee Paper Co. for a Consideration Said to be \$1,500,000—Strike at the Mills of the Nekoosa-Edwards Paper Co. is Now Entirely Broken—Consolidated Water Power and Paper Co Changes Names of Mill Divisions—Pulp Wood Shipping Season About Closed—Peerless Paper Co. Amends Charter.

[FROM OUR REGULAR CORRESPONDENT.]

APPLETON, Wis., November 11, 1919.—In one of the largest transfers involving paper mill property in Wisconsin in several years, the Continental Paper Bag Company of New York has purchased the Marinette and Menominee Paper Company's mills in Marinette, Wis., and Menominee, Mich., for a sum said to be \$1,500,000.

The purchase includes large water powers on the Menominee River, three paper mills, two sulphite mills, two ground wood mills and other real estate and timber lands. Other Wisconsin holdings of the Continental Company are the Falls Manufacturing Company and the Union Manufacturing Company of Oconto Falls, Wis.

The negotiations for the sale were carried on by Herman Elsas, president and general manager of the Continental Company, and his attorneys, Robert N. McMynn of Milwaukee, and Harry R. Goldman of Marinette. W. E. Black, attorney and trustee for various owning interests, represented the sellers. The new owner took possession of the mill November 1.

Steps are to be taken immediately to make the Marinette and Menominee mills one of the largest plants in the country. The products now are mainly wrapping papers.

The Continental Paper Bag Company is also the owner of mills at Rumford, Me.; Ashland, N. H.; Watertown and Greenwich, N. Y.; Montreal and Ottawa, Can., and Sidney, Australia. Among its products are paper bags, wrapping, tissue and toilet papers, paper towels, merchandise envelopes and egg cartons.

Many improvements have been made at the Falls Manufacturing Company plant at Oconto Falls the last few weeks. The changes consist of a new cement wood room, new boiler house, new equipment for handling logs and pulpwood, new power house, employees' rest room equipped with shower baths and other conveniences, cement building to replace wooden digester rooms, thereby doubling the capacity of the sulphate room and trebling the sulphate capacity. Other and more extensive improvements are planned for next year, it is said.

Nekoosa-Edwards Strike Entirely Broken

The strike at the Nekoosa-Edwards Paper Company's mills at Port Edwards and Nekoosa is now entirely broken. The Port Edwards plant is running at full capacity and at Nekoosa a sufficient number of men are available to man all departments completely as soon as barracks for housing imported labor are completed. The strike started nearly five months ago.

Sixteen men who are still on strike are manning the "picket lines" in the main street at Port Edwards and from their positions around small bonfires they watch their former union brothers work in positions which they formerly filled. The Port Edwards mill is now making about 50 tons of print paper daily, as much as was ever made before the strike. The mill is being worked in two shifts, each crew putting in eight hours at the regular scale of wages and working a few hours overtime for

time and a half. The men who had been on strike desire that arrangement because it gives them a chance to make up some of the money lost while they were idle.

The mill at Nekoosa is operating with 265 men, about 80 per cent of the number employed before the strike. The strike was an utter failure and resulted in a tremendous loss to both employers and workingmen. The paper company made several offers of arbitration but all were rejected by the union leaders who demanded that the principle of closed shop be recognized. The company offered to establish shop committees and made several other propositions which would have been great boons to the workers but they were all flatly rejected, although a considerable portion of the strikers were in favor of accepting what the company had to offer.

Paper Mill Divisions Change Names

Names of all the mills but one owned by the Consolidated Water Power and Paper Company of Grand Rapids, Wis., have been changed as part of the company's big program of expansion. The Oneida Paper Company mill hereafter will be known as the Stevens Point Division of the Consolidated Company. The Biron mill will be known as the Biron Division, and the Grand Rapids mill will be known as the Grand Rapids Division. Only the Interlake Pulp and Paper Company mill at Appleton will retain the name by which it is now known.

Stevens Point Mill to Double Production

The recent purchase of a Yankee Fourdrinier machine for the Stevens Point mill will almost double its production. The new equipment will be installed and running by next fall. The improvement is in accord with the company's original plans, as sufficient space was held in reserve when the plant was built. As was stated last week, extensive improvements are being made at the Grand Rapids mill where a 60-ton paper machine is to be installed and a 40-ton sulphite mill will be erected.

Pulpwood Season About Closed

The pulpwood shipping season is about closed. About 65,000 cords of wood was rafted across Lake Superior from Canada and was shipped by rail to mills in the Fox River valley. The only pulpwood coming into the valley now is that salvaged from a raft owned by the Pulpwood Company of Appleton which went to pieces in a gale on Lake Superior. Very little of the 5,000 cords was saved.

The three hundred cars used to transport the wood from the north are now being "dismantled" at Combined Locks and are being sent to northern Wisconsin and Michigan, where they will be used in logging operations. "Dismantling," in the sense used here, means the removal of the heavy posts and planks with which the cars were equipped. The posts are the property of the Pulpwood Company and will be stored for use next year.

Pulpwood yards in the valley are filled to their capacity. More wood is stored in the yards than ever before and every available foot of space is being used.

General News of the Trade

All machinery has been installed in the new paper mill of the McGillan-Asmuth Company at Neenah and the mill will begin operations as soon as the wiring and pipe connections are completed.

Articles of incorporation for the Peerless Paper Products Company of Menasha have been amended to provide that the company's capital stock of \$15,000 shall consist of 120 shares of common stock and 30 shares of preferred stock, each of par value of \$100, instead of 150 shares of common stock of the par value of \$100. Anton W. Asmuth is president and T. E. McGillan is secretary of the company.

When You Buy SULPHITE

OR

KRAFT PULPS

Ask Us to Quote!

A. J. PAGEL & CO.

INCORPORATED

WOOD PULP AGENTS

347 MADISON AVENUE

NEW YORK

CHARGE LARGE NEWSPAPERS CONTINUE TO WASTE PAPER

Demand for Print Paper Has Expanded 34 Per Cent This Year Because of the Tremendous Increase in National Advertising—Representative Reaves Says That the Print Paper Supply is Being Used to Such an Extent That the Country Press is Facing Destruction—Summary of Production, Shipments and Stocks of Paper by Grades for First Nine Months of the Year 1919.

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., November 11, 1919.—Representative Reavis, of Nebraska, made the following remarks in the House last week in connection with the news print shortage and small daily newspapers. He said:

"Mr. Chairman, let me state that I have in my hand a telegram from the editor of one of the most influential small daily newspapers of my State, which is quite characteristic of several similar communications recently received by me, and which I would like to read. The telegram follows:

"NEBRASKA CITY, NEBR., October 31.

Hon. F. C. REAVIS,

House of Representatives, Washington, D. C.:

Small newspapers face possibility of suspension due to inability to get news-print paper. Large papers continue to waste paper with extra editions, which are unnecessary. Is it not possible to get immediate action through some governmental authority to ration print paper and prevent catastrophe coming to publishers of country papers, which are bulwark of this country? Our own supply to-day is barely sufficient for three days, and mills refuse to furnish print paper bought in good faith months ago.

J. H. SWEET.

"After receiving this, and with the desire to be in the premises, I tried to locate some department or bureau which has authority to act. My experience was the one so common to all of us, of being passed and shunted from pillar to post, only to give it up as hopeless in the end.

"The demand for print paper has increased 34 per cent this year over that of any previous year, an increase so great as to challenge inquiry on the part of those interested. The reason for the increase has been universally ascribed to the tremendous increase of what is called 'national advertising.'

"I have information of the most reliable character as to this national advertising business and the causes which have so tremendously nurtured it. We have an excess-profits tax, one of the most profitable sources of revenue in the revenue laws. It is a graduated tax that increases proportionately as the excess profit increases. An institution showing profit of a certain sum must pay, let us say, a tax of 10 per cent; if the profit is over the specified sum, the tax is 12 per cent; and so on up as the profits increase in amount. If the profits are but slightly above the 12 per cent sum, a little judicious expenditure will bring it below that sum and save the institution thousands of dollars. From such motive and inspired by such purpose comes a large amount of the vastly increased national advertising. Not a Member who listens to me but has noted the unprecedented amount of advertising the magazines and great metropolitan dailies of the East are now carrying. Nothing like it has ever been known before. I have information of unquestioned reliability, coming from a source of assured truthfulness and opportunity for knowledge, that millions of dollars are now being expended in national advertising for the purpose of reducing the excess profit tax which would otherwise go into the Treasury.

"What is the result? Just this: The Government is losing money to which it is entitled, and the print paper supply is being used to such an extent that the country press is facing destruction.

"The department should at once investigate this matter. Nothing is in the way of compelling these enterprising gentlemen who are escaping taxation from disgorging.

"I have no quarrel with a newspaper's prosperity; rather do I rejoice in it. I am in accord with the general view as to the usefulness of advertising, but I do object to the method adopted and the purpose sought to be served.

"More than this, I object to the hardship inflicted on the country press. It is the bulwark of the country and one of the great stabilizing influences of the Nation. It has no ties or alliances that ever betray it away from the general good, and never does it become the representative of special interest. It reaches homes that are strangers to the great dailies, and it exercises at all times an influence as salutary as it is widespread.

"Congress cannot meet this question in time to be of service, but I feel impelled to call the situation. I call this to the attention of the Ways and Means Committee with the hope that some of its members will take this up with the Internal Revenue Department."

Paper Production for Nine Months

The following review includes a summary of the production, shipments and stocks of paper by grades for the first nine months of 1919, together with charts showing the trend of stocks by months.

Production, shipments and stocks of paper by grades for the first nine months of 1919:

Grade	Stocks	Production	Shipments	Stocks
	(Jan. 1, 1919)	nine months	nine months	(Sept. 30, 1919)
Newsprint (Total).....	19,408	1,009,917	1,010,994	18,331
Standard News.....	15,656	910,752	912,065	14,343
Bookpaper.....	28,431	652,519	652,675	28,275
Paperboard.....	46,196	1,389,924	1,385,118	51,102
Wrapping.....	40,499	501,415	497,702	44,212
Bag.....	3,408	122,683	122,075	4,016
Fine.....	34,576	245,472	244,701	35,347
Tissue.....	5,400	110,134	108,842	6,692
Hangar.....	2,933	66,453	63,832	5,354
Felts and Building.....	7,699	194,730	194,438	7,991
Other Grades.....	11,310	141,430	135,052	17,688
Total.....	199,860	4,434,677	4,415,329	219,208

The trend of stocks shows an abnormal increase for most of the grades for the first four months of the period. This was largely due to lack of orders. Stocks of practically all grades have declined since the month of May. The most pronounced decreases occurred in news print, wrapping and paper board. These grades represent about 70 per cent of the total production of all grades manufactured and approximately 60 per cent of the total stocks.

Complaint Against Typothetae

Declaring it has reason to believe that the United Typothetae of America, an association of 2,000 members, mostly employing printers, is coercing manufacturers into payment of bonuses and attempting to annul free price competition in the printing trade by setting up "standard" prices for its membership, the Federal Trade Commission has issued a formal complaint of unfair competition against the organization and seven of its officers.

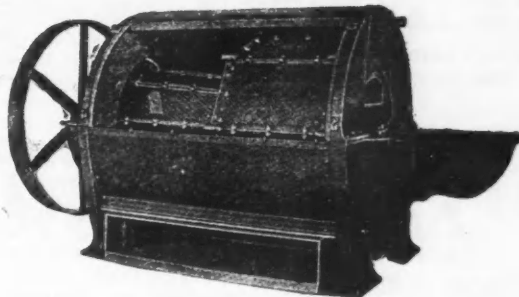
The complaint sets forth that the United Typothetae of America has inaugurated a campaign known as the "Three Year Plan," the object of which is to collect assessments from manufacturers and merchants selling paper, printing presses, type, ink and other supplies purchased by employing printers. This money, the complaint sets forth was "to be applied to alleged educational purposes, but mainly to induce employing printers to use a uniform system of cost accounting and a standard price list compiled by the United Typothetae with the view of teaching the printer how to charge adequate prices for his work so that

(Continued on page 52)

“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

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

Let us supply you

NEWPORT SILICATE OF SODA

40° BAUME 42°
1 DRUM or 100 TANKS

Prompt shipment from Carrollville, Wis.

NEWPORT CHEMICAL WORKS, INC.

PASSAIC, N. J.

BIDS AND SPECIFICATIONS FOR GOVERNMENT PAPER

Purchasing Officer of the Government Printing Office Opens Bids for Various Lots of Paper at Interesting Prices—Purchasing Officer of the Government Printing Office Receives Bids on Numerous Lots of Paper and Makes Awards for Paper on Which Bids Were Opened Recently—Purchasing Officer of the Panama Canal Receives Bids on Various Lots of Paper—Other Bids.

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., November 11, 1919.—The Purchasing Officer of the Government Printing Office has received the following paper bids:

100,000 pounds (100,000 sheets) of 26x38—No. 50 chip board; Maurice O'Meara Paper Company, at \$59.73 per ton; D. L. Ward Company, at \$62.50; Hummell & Downing, at \$61.00; Monroe Binder Board Co., at \$68.00; Rock Falls Boxboard Company, at \$64.00; George W. Millar & Co., at \$56.00; C. L. La Boiteaux Company, at \$65.00; United Boxboard Company, at \$54.75; Philip Rudolph & Sons, at \$60.30; C. F. Briggs Company, at \$59.40; Stehl Otens Company, at \$67.80; Washington Paper Stock Company, at \$57.50; Dobler & Mudge, at \$60.00; R. P. Andrews Paper Company, at \$60.00; and Mathers-Lamm Paper Company, at \$58.90.

50,000 pounds (357 reams) of 24x38—140, sulphite manila paper; Carthage Sulphite Pulp and Paper Company, at \$.0725 per pound; D. L. Ward Company, at \$.0786; Graham Paper Company, at \$.10; Old Dominion Paper Company, at \$.0933, and \$.076848; United Paperboard Company, at \$.098; Republic Bag and Paper Company, at \$.084 and \$.094; Dobler & Mudge, at \$.095; American Writing Paper Company, at \$.11; R. P. Andrews Paper Company, at \$.1175; Whitaker Paper Company, at \$.1025;

800 pounds of 19x24—80, white blotting paper; Richmond Paper Company, at \$.11 per pound; Dobler & Mudge, at \$.1075; Mathers-Lamm Paper Company, at \$.0994 and \$.105; George W. Millar & Co., at \$.125 and \$.135; Old Dominion Paper Company, at \$.113; Albemarle Paper Company, at \$.125; Republic Bag and Paper Company, at \$.1175; Whiteaker Paper Company, at \$.1025; R. P. Andrews Paper Company, at \$.12, \$.11 and \$.14; and B. F. Bond Paper Company, at \$.14 and \$.115.

24,900 pounds (700 reams) of white and yellow wove writing paper; Old Dominion Paper Company, at \$.1999 and \$.21398 per pound; George W. Millar & Co., at \$.247 and \$.257; Merriam Paper Company, at \$.18 and \$.255; R. P. Andrews Paper Company, at \$.18 and \$.247; Alling & Cory, at \$.26875 and \$.27875; D. L. Ward Co., at \$.25 and \$.19; Aetna Paper Company, at \$.1568 and \$.1668; American Writing Paper Company, at \$.158 and \$.168; Strathmore Paper Company, at \$.22 and \$.25; and Dobler & Mudge, at \$.175 and \$.185.

5,325 pounds (150 reams) of 18x22—No. 32 white wove commercial ledger paper; Southworth Company, at \$.26 per pound; Merriam Paper Company, at \$.285; George W. Millar & Co., at \$.268; D. L. Ward Co., at \$.30; Old Dominion Paper Company, at \$.3049; Alling & Cory, at \$.26875; American Writing Paper Company, at \$.24; Strathmore Paper Company, at \$.37; Worthy Paper Company, at \$.24; Whitaker Paper Company, at \$.2635; and Dobler & Mudge, at \$.2525.

20,000 pounds (200 reams) of 20½x30½—No. 60 white wove ledger paper; Carew Manufacturing Company, at \$.31 per pound; Whitaker Paper Company, at \$.3135; American Writing Paper Company, at \$.35; Dobler & Mudge, at \$.305; R. P. Andrews

Paper Company, at \$.31; Old Dominion Paper Company, at \$.32748; and George W. Millar & Co., at \$.32.

The Purchasing Officer of the Government Printing Office has received the following paper bids:

7,000 pounds of No. 13 yellow and blue writing paper in 19-inch rolls; Dobler & Mudge, at \$.13 per pound; Barton, Bauer & Koch, at \$.195; R. P. Andrews Paper Company, at \$.1924; George W. Millar & Co., at \$.135; Henry Lindemeyer and Sons, at \$.20; and Old Dominion Paper Company, at \$.167.

5,000 pounds (100 reams) of 25x38—50, white laid antique printing paper; R. P. Andrews Paper Company, at \$.145; Dobler & Mudge, at \$.095; American Writing Paper Company, at \$.1035; D. L. Ward & Co., at \$.0975; Mathers-Lamm Paper Company, at \$.105; George W. Millar & Co., at \$.095; and Philip Lindemeyer, at \$.1075.

52,300 pounds (1,100 reams) of white and dark pink wove writing paper; George W. Millar & Co., at \$.1785 and \$.1925; Merriam Paper Company, at \$.18; Barton, Bauer and Koch, at \$.1835 and \$.194; R. P. Andrews Paper Company, at \$.173; Aetna Paper Company, at \$.1668 and \$.1848; Stone & Andrew, at \$.2118; Whitaker Paper Company, at \$.15 and \$.16; Strathmore Paper Company, at \$.22; and Dobler & Mudge, at \$.175 and \$.185.

Government Printing Office to Open Bids

The Purchasing Officer of the Government Printing Office will open the following paper bids on November 14:

5,600 pounds (20 reams) of 22½x28½—280, white railroad cardboard.

3,600 pounds (200 reams) of 16x21—No. 20 white glazed fine bond paper.

Awards by Government Printing Office

The Purchasing Officer of the Government Printing Office has announced the following awards:

The American Writing Paper Company will furnish 40,000 pounds of No. 13 high machine finish white writing paper in 9-inch rolls, at \$.123 per pound, bids for which were opened on October 17. The D. S. Walton Company will furnish 11,500 pounds (100 reams) of 38x38—115, kraft wrapping paper at \$.0748 per pound, bids for which were opened on the same date.

Awards for the following bids for which were opened on October 27 have been announced: George W. Millar & Co. will furnish 2,000 pounds of 24x36—80, lining paper at \$.085 per pound and the Kerr Paper Company will furnish 67,000 pounds (35,100 sheets) of various sizes of flat binders' board at \$.04 and \$.0375 per pound. The American Writing Paper Company will furnish 40,000 pounds of No. 20 white wove writing paper in 17-inch rolls at \$.119 per pound and the same firm will also furnish 690,000 pounds of various sizes of No. 1 white machine finish printing paper at \$.0995 and \$.1025 per pound.

3,000 pounds of oiled manila tympan paper in 38-inch rolls, basis of 24x36—86, will be furnished by Dobler & Mudge, at \$.09 per pound, bids for which were opened on October 29 and the R. P. Andrews Paper Company, will furnish 12,160 pounds (80 reams) of 33x46—152, smooth tea cover paper at \$.097 per pound, bids for which were opened on October 31.

Panama Canal Bids

The Purchasing Officer of the Panama Canal has received the following bids:

40 reams (20,000 sheets) of 17x28—No. 24 white bond paper; Dobler & Mudge, at \$341.60; Merriam Paper Company, at \$305.20; George W. Millar & Co., at \$360.00 and \$225.60; Republic Bag and Paper Company, at \$332.00; Universal Trading Company, at \$278.40; and R. P. Andrews Paper Company, at \$311.08 and \$292.80.

Bids were to have been opened at the same time for 10 reams (5,000 sheets) of 24x36-inch pad board but the opening was canceled.

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INCREASING!
ARE YOURS?**

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"The brands that sell themselves"



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U. S. COURT ACTION PLEASES PAPER MAKERS IN CANADA

Circuit Court Judges for the Southern District of New York Refuse Application of American Newspaper Publishers' Association for a Revision of the Federal Trade Commission's Supplemental Finding Fixing the Price of News Print at \$3.62 from May 1, 1918—Financial Times Says Prices May Run from 4 1-2 to 5 Cents Per Pound—Abnormal Demand for News Likely to Continue.

[FROM OUR REGULAR CORRESPONDENT.]

MONTREAL, QUE., November 10, 1919.—Considerable satisfaction is felt in trade circles here at the announcement given out this week by the Canadian Pulp and Paper Association that the United States Circuit Court judges in New York have refused the application of the American Newspaper Publishers' Association for a review of the Federal Trade Commission's supplemental findings of October 18, 1918, fixing the price of news print paper at \$3.63½ per cwt. from May 1 to July 1, 1918, and at \$3.75¼ for the period subsequent to July 1 to three months after the end of the war.

"This," says the announcement issued by the Canadian Pulp and Paper Association, "ends finally the litigation between the American publishers and the several paper manufacturers, including nine of the leading Canadian companies, according to officials of the Canadian Pulp and Paper Association, and leave the manufacturers victors in the long-drawn-out contest. The proceedings were initiated in the fall of 1916, when the publishers laid a complaint before the Attorney-General of the United States, alleging illegal combination and price-extortion against the manufacturers.

"The manufacturers agreed to submit their case to arbitration by the Federal Trade Commission, with the right to appeal to the United States Circuit Court judges of New York. The price objected to by the publishers was \$60 a ton; the final award gives the manufacturers \$75.05. Actual market and manufacturing conditions have forced a much higher price, news print now selling in the open market at \$120 a ton and upwards and practically unobtainable at any price."

J. A. Bothwell, president of the Canadian Pulp and Paper Association, in commenting on the finding in the United States Court, said: "The fight has been a long and expensive one, but in the end the manufacturers have been vindicated. The outcome should have a very wholesome effect upon the industry, convincing the publishers that they were wrong in their early contentions and that the manufacturers have never asked more than was fair and reasonable. From now on, we expect to see harmonious relations between the two interests such as used to exist before professional agitators, for their own advantage, undertook to disrupt them.

View of the Financial Times

The Financial Times, which acts as the spokesman for the capitalists behind the pulp and paper industry, says: "It is considered that the news print manufacturers and the publishers will have to settle this matter between themselves. The situation is that the Canadian news print makers could probably sell double the present output of Canadian mills. The demand for news print is greater than at any time during the war period. This is due to the exceptional and unparalleled advertising conditions that prevail in the United States. This in turn arises from the fact that national advertisers are carrying out campaigns of unusual size. On this account the newspapers are making more money than ever before in their history and can

well afford to pay higher rates than heretofore for their raw material—news print.

"Practically all contracts expire at the end of December of this year and a revision of prices must occur for the year 1920. In a general way the different news print manufacturers have contracted with the publishers for the entire year. The price to be subject to revision every three months. At the present time the average price is 3.09c per pound, or \$78.00 per ton.

"A rate of 5 cents a pound, or approximately \$100 a ton, could easily be obtained and it is figured that the publishers in the United States with their present record earnings would find this price no higher than—if, indeed, as high—as their news print expenses when paper was selling at 3½ cents per pound.

"Canadian news print manufacturers are now in conference with the publishers and present indications are that prices will run from 4¼ to 5 cents a pound for the year 1920. It is probable that during the first quarter of the year a rate of 4¼ cents or about \$85.00 a ton will prevail and that gradually throughout the remaining period of the twelve months prices will be advanced to a 5-cent basis, or \$100 a ton.

"Even at these figures the Canadian news print manufacturers will be following a conservative policy, as one of the largest publishers in the United States which requires an annual shipment of approximately 50,000 tons of news print, is at present without its requirements for 1920 and has been bidding as high as 6 cents a pound to make sure of its requirements being provided for. These developments mean that all the Canadian news print manufacturing concerns are going to have a very prosperous year during 1920."

Safeguarding Canadian Requirements

John M. Imrie, secretary of the Canadian Press Association, has just issued a circular letter to the members of the association, stating that the abnormal demand for news print by the publishers is likely to continue well on into 1920. As this demand continues, it may become increasingly difficult for Canadian publishers to secure a guarantee of the supply of their requirements unless sufficient arrangements have been made in advance. As the News Print Committee understands that Canadian mills are now beginning to make contracts with American publishers for the latter's 1920 requirements, a census is being taken of the requirements of all Canadian publishers who desire the assistance of the Committee in connection with their 1920 supply, and publishers are, therefore, being asked to state the number of tons they are prepared to enter into a firm contract for 1920 for delivery in equal monthly instalments. The Committee adds that while it intends to do all it can to secure a guarantee of all Canadian publishers for 1920, it does not assume any responsibility in connection therewith.

Meanwhile practically all the Canadian mills have their output contracted for months ahead, and from inquiries coming in every day it looks as if the whole news print output of Canadians could easily be booked up for the next two years, despite the fact that an additional 500 or 600 tons will come on the market during the next few months owing to the extension of various mills.

Prospects in British Market

A. L. Dawe, secretary of the Canadian Pulp and Paper Association, in a report on the prospects in the British market, prepared as a sequel to his recent visit to Great Britain on behalf of pulp and paper manufacturers here, says that the immediate effect of the removal of all trade restrictions from September 1 last year was to place Canada in direct competition with the rest of the world and the entire burden of retaining British business secured under former favorable conditions and of making Great Britain a permanent market for their products,

(Continued on page 26)



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IMMEDIATE DELIVERIES

JORDAN

T. P. 1614-B. Noble & Woods Mammoth Jr. Jordan Engine. In excellent condition; used only six months.

SHEVLIN SCREEN

Two No. 1 Shevlin Screens. Complete.

BOILERS

T. P. 301-A. Three 175 HP. Heine W. T. Boilers. 150 lbs. pressure. (Chain grate stokers and stack 66-in. x 128-ft. can be included with these.)

T. P. 890. 267 HP. Parker W. T. Boiler. 130 lbs. pressure.

T. P. 492. 400 HP. Unton W. T. Boiler. 150 lbs. pressure.

T. P. 517-C. 400 HP. Parker W. T. Boiler. 165 lbs. pressure.

T. P. 301-G. Three 350 HP. B. & W. Boilers. 150 lbs. pressure. (Chain grate stokers and stack 78-in. x 150-ft. can be included with these.)

C. G. 41. 100 HP. Cooper H. R. T. Boiler. 110 lbs. pressure.

T. P. 1109-E. 82 HP. H. R. T. Boiler. 85 lbs. pressure.

C. G. 30. 308 HP. Heine W. T. Boiler. 180 lbs. pressure.

T. P. 1195. Two 70 HP. American H. R. T. Boilers. 90 lbs. pressure.

T. P. 1063-F. 200 HP. W. T. Boiler. 150 lbs. pressure. Murphy stoker.

C. G. 59-A. Two 212 HP. Heine H. W. T. Boilers. 160 lbs. pressure.

C. G. 65. Four 150 HP. Erie Return Tubular Boilers. 125 lbs. pressure. Coxe stokers.

C. G. 64. 300 HP. B. & W. W. T. Boiler. 200 lbs. pressure.

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Recent Incorporations

W. W. POHLMAN PAPER COMPANY, Manhattan, New York; capital, 150 shares preferred stock, \$100 each, 1,000 shares common stock, no par value, active capital, \$20,000; J. G. Purdy, A. W. Pohlman.

CORONA PAPER COMPANY, Rochester; capital, \$25,000; incorporators, C. Stanton, A. A. Bryan, A. H. Olsted, Rochester.

THE RUSHMORE PAPER MILLS, INC., Manhattan, New York; paper manufacturing business; capital, \$250,000; incorporators, J. S. Weymes, 476 Clinton Avenue, New York City; C. T. Weymes, Arlington, N. J.; T. Ferguson, Astoria, L. I.

THE WILCAR-JOFRAN COMPANY, paper and paper products of all kinds; capital, \$200,000; incorporators, Wilbur F. Meisky, Harry S. Meisky, Carl E. Meisky, all of Lancaster, Penn.

SEAMAN PAPER PRODUCTS COMPANY, INC., Wilmington, Delaware; manufacturers and dealers in paper and paper substitutes; capital, \$100,000.

NATIONAL PULP, PAPER AND CORDAGE COMPANY, to manufacture paper, pulp, wood, straw, hemp, etc., and to import and export materials, dyestuffs, paints, etc.; capital, \$500,000; incorporators, Rodney Hughes, S. S. Bagot, John W. St. Pierre, of New Orleans, La.

NORTH PAPER PULP COMPANY, INC., Manhattan, New York; stationery and supplies; capital, \$5,000; incorporators, O. N. Gillner, L. North, I. Cohen, 38 Fort Washington Avenue.

GRACE PAPER COMPANY, INC., Manhattan, New York.—Paper manufacturing business; capital, \$25,000. Incorporators: E. Petigor, 487 Broadway; F. Petigor, 514 West 152d street; B. Platzman, 427 East 170th street, New York City.

COLONIAL PAPER BOX CORPORATION, Brooklyn, New York.—Capital, \$6,000. Incorporators: M. Watnick, L. Sukoff, J. B. Jochin, 440 Pine street, Brooklyn.

FRANK M. SAYFORD COMPANY, Pennsylvania.—Paper and paper products.—Capital, \$50,000. 79 Washington street, Brooklyn.

COURT ACTION PLEASES CANADA

(Continued from page 24)

is placed upon the Canadian manufacturers. The British market, he continues, is no place for weaklings or quitters and unless a manufacturer is prepared to stick it out at all hazards, he had better not make a beginning. There are in England twelve news print mills of importance with a potential production of 450,000 tons annually. The pre-war consumption was over 600,000 tons per annum and this left 150,000 available for Scandinavia, Germany, Finland and Canada and post-war consumption and production will not be relatively different. How much of this excess demand Canada will eventually supply rests entirely with the Canadian manufacturer. Canadian news print is undeniably popular with the British publishers and, in view of the excellent arrangements that have been made by some of the Canadian news print mills, the British market should prove of prime importance in the near future. As regards writing and printing papers, it is doubtful whether any permanent market in Great Britain for printing papers or cheap writing papers is possible, with the exception of specialties and a limited quantity of high grade bond papers. The continued use of hard bond papers is a matter of educating the consumer. An aggressive campaign would no doubt result in a good market for the more expensive qualities of paper.

Sulphite Plant for Newfoundland

A sulphite mill of the capacity of 40 tons per day is to be erected at Bonavista Bay, Newfoundland, by a group of Norwegian capitalists. The engineering work is to be done by

G. D. Jenson Co., sulphite mill engineers, New York. Mr. Jenson states that the company controls about 750,000 acres of woodland on the Terra Nova and Gambo Rivers. It is estimated that it contains about 4,000,000 cords of pulp wood and saw logs, of which 90 per cent is spruce and 10 per cent balsam. There is also some pine on the property. The company also controls about 20,000 h. p. waterpower on the Terra Nova and Gambo Rivers. Shipment of the product will most likely be made by water. The plan is to increase the mill to a capacity of 100 tons daily in the not distant future.

Paper Trade Association

The following have been elected provincial officers of Division A of the Canadian Paper Trade Association: Chairman, John Martin, Winnipeg; vice-chairman, C. J. Kay, Columbia Paper Company, Vancouver; secretary-treasurer, A. C. Hunt, John Martin Paper Company, Winnipeg; chairman of Committee on Constitution, Fred Smith, Smith, Davidson & Wright, Vancouver; chairman of Committee on Price List Policy, W. R. Davis, Barber-Ellis-Davis, Calgary; chairman of Committee on Manufacturing, John Gibb, Clark Bros. and Company, Winnipeg; chairman on Committee on Traffic, Wallace Murphy, Barber-Ellis, Winnipeg; chairman of Committee on Mill Relations, George Wilson, Clark Bros. & Co., Winnipeg; chairman of Committee on Terms and Credits, D. A. Clark, Clark Bros. & Co., Winnipeg.

Novel Sideline in Forest Products

The Brown Corporation at La Tuque has some paying products as sidelines to its pulp mills, but a new company, known as the Quinte Chemical Company, Ltd., established in Deseronto, Ont., has gone one better. This company, which has a capital stock of \$40,000, will produce juniper oil from the juniper brush and berry, cedar oil from cedar wood, and hemlock oil from hemlock wood and brush. The company has a contract for the purchase of all the products that the plant can produce at current market-prices. Lieut.-Col. George Crawford, of Lindsay, Ont., is president and treasurer of the company, and George F. Palmer, of Deseronto, secretary and manager. The raw material, from which the oils are distilled, is unlimited right at the plant.

Sir George Bury Leaves for China

MONTREAL, QUE., November 10, 1919.—Sir George Bury, formerly vice-president and general manager of the Canadian Pacific Railway and now president of the Whalen Pulp and Paper Company in British Columbia, has just left Canada for China, accompanied by C. W. Harrison, sales manager of the Whalen Company.

"The enormous expansion of the pulp trade in the Orient has made it necessary for me to make this trip, as several large deals are pending, and British Columbia needs the business," said Sir George, who explained that already the Oriental trade in pulp has expanded to such an extent that the company's plant capacity has been increased from 56,000 tons per year to 75,000 tons.

About one-half the pulp exported from the Whalen plants at the present time is sulphite, both bleached and unbleached, and a similar proportion will be possible under improved conditions following the establishment of a car ferry between the Port Alice plant and Prince Rupert.

Sir George Bury believes that trade and commerce is best promoted by the heads of companies first visiting the new market personally and establishing the connections so that future dealings will be of a more friendly nature. For this reason, Sir George expects to spend several months in the Orient and may not return until the end of January or early in February.

SHE GETS IT ALL

The housewife can get all the food out of a Riteshape. Other dishes waste their contents.

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CHICAGO - ILL.

New York Trade Jottings

F. L. Crocker has been appointed as New York representative of the Nyando Pulp and Paper Company, a Delaware corporation. His offices are at 5 Nassau Street.

* * *

Jas. T. Mix, manager of sales of the Northwest Paper Company, Cloquet, Minn., is in New York on business. He is stopping at the Belmont Hotel and will be in New York all week.

* * *

J. W. Dwyer, of the Great Northern Paper Company, 30 East 42nd Street, left last Wednesday for a business trip throughout the Eastern States. He will be gone about ten days or two weeks, and expects to return about Thanksgiving.

* * *

R. S. Kellogg, secretary of the News Print Service Bureau, was one of those who attended the Forestry Conference at Syracuse last Tuesday. He returned to New York to attend the forestry discussion at the American Paper and Pulp Association on Friday, November 14.

* * *

Maurice Scooler, formerly president of the Ever Ready Roll Label Company, has severed his connections with that concern, and has sold his interests to his associate, Sidney Hollander. Mr. Scooler will continue to represent the concern as agent, with the Acme Agency, 2623 Grand Central Terminal Building.

* * *

Charles C. Walsey, vice-president and sales manager of the Climax Stationery Company, has bought the paper mill at Cornwall-on-the-Hudson, which was formerly owned by the Cornwall Paper Company. For the time being the mill will be devoted entirely to the manufacture of news print. It contains one 80-inch Fourdrinier machine, and has a daily output of 15 tons. Later the mill will manufacture sulphite bonds. Mr. Walsey later the mill will manufacture sulphite bonds. Mr. Walsey is at present considering the purchase of two other mills, which he expects to devote to the manufacture of news print.

Invites Co-operation of Paper Industry

The Treasury Department, Internal Revenue Bureau, has not yet audited the income tax returns of pulp and paper mills, but has acted simply as a receiver of taxes and has still to develop particular rules for the application of the law in making such audit.

In order that no injustice be done to either the industry or to the Government, the Treasury Department feels that in an industry like the manufacture of pulp and paper, with its own peculiar problems and experience as to construction costs, depreciation rates, rapid obsolescences, and possible inadequacy, the industry should be called upon to co-operate with the Department in formulating a questionnaire out of which might come such a record of fact as would enable them, in consultation with representatives of the industry, to formulate rulings and methods of procedure that would result in no injustice being done to the tax payer by reason of lack of correct information on the part of the Government as to this specific industry.

The Bureau has made official request for the co-operation of the industry in the letter printed below. The entire subject will be given prominent place in the discussions at the Business Conference of the American Paper and Pulp Association at the

Waldorf-Astoria, Friday, November 14. It is hoped and expected that the entire industry without regard to membership in the American Paper and Pulp Association will attend this conference. While a representative committee will be appointed to confer with the Bureau in Washington, probably beginning November 18, all pulp and paper mill interests are invited and urged to send representatives there to assist in working out an equitable plan.

It is hoped to begin the Washington Conference on November 18, but the date has not been definitely determined. Further information regarding the date and place of the meeting may be obtained from the office of the American Paper and Pulp Association, 18 East 41st Street, New York City.

TREASURY DEPARTMENT
WASHINGTON

Office of
Commissioner of Internal Revenue November 7, 1919.

MR. GEORGE W. SISSON, JR.,
President, American Paper and Pulp Ass'n.,
18 East 41st Street,
New York, N. Y.

DEAR SIR: I am writing you about the plan recently discussed between yourself and Valuation Engineer Henry E. Surface in regard to building our pulp and paper questionnaire which is a necessary auxiliary to our Form T, "General Forest Industries Questionnaire," recently distributed. I do so recognizing that yours is practically the only single organization of the pulp and paper industry in its entirety through which this office can get immediate contact and keep in touch with the whole group of taxpayers in question. I understand that you are willing to act for the entire industry in the matter in question regardless of association membership and that you adequately represent all classes of interests in the entire industry.

The pulp and paper questionnaire will be sent to all taxpayers in the industry regardless of timber ownership, but those owning timber will also fill out Form T with which such questionnaire is dovetailed, yet be of a nature to stand by itself. A tentative draft of this questionnaire is ready for review by such representative men of your industry as you feel should apply constructive criticism to it. Mr. Surface and other representatives of this Bureau will be glad to meet your designated representatives in conference here in Washington beginning November 18 along with any other taxpayer or representatives of the industry who would have an interest in building the questionnaire. It is expected to develop questionnaire material that will fulfill the needs of this Bureau and at the same time afford the most benefit and least inconvenience to the taxpayers in question.

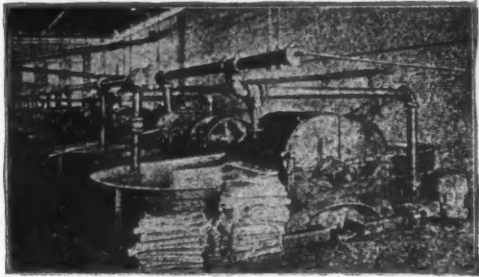
I also note that, soon after the conference in question, your Association or designated representatives of the industry may be in a position to work up reliable physical property depreciation data that would serve as a yardstick for the discretionary use both of this Bureau and of the individual taxpayer. We would be, indeed, glad to have and use the data in question and to collaborate in the study.

The Bureau appreciates the spirit of helpful co-operation the Association representatives have shown in the preceding discussions of these plans, and it is glad to accept the continued assistance outlined. From experience I feel that the questionnaire method will afford your industry's taxpayers the highest measure of equality and finality in the tax assessments with the minimum of inconvenience.

Very truly yours,

J. L. DARNELL,
Head,

Natural Resource Subdivision.



The Illustration Shows a Typical Dilts Equipment in the Beater Room of One of the Largest Boxboard Mills in the United States

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**Man Capacity or
Warehouse Capacity**

Use the empty space between the top of the pile and the ceiling—the space that's inaccessible to the bang of juggling, tugging, heaving "box-bale-or-barrel-boosters". GET A REVOLVATOR and get to the top—with half the labor in half the time. Store to warehouse capacity, limited, only, by ceiling height; not by man capacity. Use your storage quarters, not the men, "for all they're worth."

Higher piles with lower labor costs—that's the REVOLVATOR. One man can throw on a load, swing the REVOLVATOR'S revolving base toward the pile, raise the load by turning the crank and the fellow on top can slide it off quickly.

Bulletin—43 tells more about this "Steel Giant" and how you can use it and effect a big saving.

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MUNISING PAPER COMPANY

MUNISING MICHIGAN

MANUFACTURERS OF



**COLOR QUALITY AND UNIFORMITY
HAVE MADE FOR IT
AN ENVIABLE REPUTATION**

MATTERS IN THE PAPER CITY OF INTEREST TO PAPER TRADE

Japanese Tissue Mills Now Has Clear Title to Property on Which Winter Street Plant of Company is Situated—Willimansett, Just Across the River from Holyoke, Gives Every Indication of Becoming Another Paper Making Center—George A. Galliver, President of the American Writing Paper Co., is Elected Vice-President of the American Industries of Massachusetts.

[FROM OUR REGULAR CORRESPONDENT.]

HOLYOKE, MASS., November 10, 1919.—The Japanese Tissue Mills has now clear title to the property on which the Winter Street mill of the company is situated. Papers were filed in the Registry of Deeds last Thursday, showing the transfer of the property from the Holyoke Water Power Company to the Tissue Mills. The revenue stamps denote the price paid to have been \$53,000. The property covers 25,000 square feet, and heretofore has been leased from the water power company.

Willimansett Becoming Paper Center

With manufacturing sites in Holyoke decidedly limited and difficult to obtain under any circumstances, Willimansett, the little village just across the river from Holyoke, only a few minutes' distance from Holyoke's paper-making center, has every indication of soon becoming another paper-making center. The Paper Makers' Chemical Company, manufacturer of rosin, sizing and other chemicals used by paper manufacturers, is now located in its new plant in Willimansett, near the Boston and Maine Railroad tracks. The moving of the plant from Holyoke into its newly constructed quarters in Willimansett was brought about owing to the inability of the company to make any progress in Holyoke in increasing its factory space, with the result that Willimansett was selected for a new building. The choice of this company to locate in Willimansett was certainly for the best, and the new location ought to prove very beneficial to this concern. Its location is far superior to its former quarters in Holyoke, having a direct railroad frontage. The housing question in Willimansett can also be easily solved.

Another concern that will probably commence building operations in Willimansett soon is the B. F. Perkins & Son Company, which has a large building on Crescent Street here.

Geo. A. Galliver Honored

George A. Galliver, president of the American Writing Paper Company, was signally honored by the Associated Industries of Massachusetts last week. At the meeting and election of officers held at its annual convention in Boston, Mr. Galliver was elected vice-president and a member of the Executive Board. There is scarcely an industrial organization of any consequence in this State that is not a member of the Associated Industries. Holyoke is a 100 per cent city in membership.

Coal Strike is Causing Concern

The national coal strike is making itself felt locally. Many carloads of coal designated for local mills has been confiscated by the Railroad Administration. Two carloads consigned to the American Writing Paper Company were last week commandeered. The American Writing Paper Company is the largest consumer of coal in the city, having been previously placed on the list of preferred industries and it is possible that this company may again receive preference should the situation

become acute. At this writing the company is well supplied, most of its coal having been stored during the summer months. It has enough coal on hand to last about two and one-half months. The Crocker-McElwain Company has about two months' supply on hand and the Whiting Paper Company between two and three months. The Chemical Paper Manufacturing Company is also well taken care of. Only a few of the smaller mills are short of coal, and Manager P. J. Dowd of the Holyoke Traffic Bureau has promised to take the matter up with the Boston authorities in an endeavor to keep all supplied. The majority of the mills have the largest part of the winter coal supply delivered in the summer when conditions in the coal business are best.

White & Wyckoff Heads Meet

The Service Club of the White & Wyckoff Manufacturing Company, composed of heads of the various departments, held a gathering and banquet at the Hotel Nonotuck last week Wednesday evening. Thirty members of the club, including company officials, were present.

WATERTOWN, N. Y., November 10, 1919.—Approximately \$250,000 will be expended next year by the power owners of the Black River watershed for the first step toward complete regulation of the flow of the water in the river. Every power owner along the river and its tributaries is enthusiastic to enter into the deal, and each will be assessed pro rata upon the feet of power head he owns to meet the expense.

About 25 power owners assembled recently at the Black River Valley Club in a conference before the members of the Black River District River Regulating Board. J. Victor Baron, president of the board, presided. E. S. Cullings, engineer of the Conservation Commission, was present with maps and data as to water storage reservoir facilities and possibilities and the cost involved. The entire proposition was thoroughly discussed in an informal manner.

The plan decided upon calls for the raising of the Stillwater reservoir dam by seven feet. This will expand the reservoir by seven square miles and increase the capacity from 900,000,000 cubic feet to one-eighth billion cubic feet. It is planned to execute this work next year.

The first step now will be the employment of a competent engineer to check up the number of feet of power head each power owner from Dexter to Stillwater owns. When this is done the Board will compute the pro rata share each owner is to pay of the cost of the development and prepare contracts for the signature of each power owner.

As soon as the contracts are executed the board will proceed with the test case to determine the constitutionality of the law under which it is appointed and operating. The power owners at the meeting evinced enthusiasm for the early completion of the first step in river regulation which is sure to mean so much to them in increased operating possibilities.

Delos M. Cosgrove, of the law firm of Cobb & Cosgrove, was appointed attorney for the Black River Regulating District Board, and John Byron Taylor, a member of the board, was named treasurer. This action was taken at a meeting of the board held this forenoon in the office of President J. Victor Baron, at which the three commissioners were present.

After the case is decided by the Court of Appeals, Attorney Cosgrove will handle the legal phases of the development which will probably be started early in the spring.

Premier Products Amends Charter

LOUISVILLE, KY., November 10, 1919.—The Premier Paper Products Company, has filed an amendment to its articles of incorporation decreasing its capital from \$75,000 to \$25,000.



EXPERIENCE

It took over eight months for us to properly introduce a line of M. G. Sulphites.

But the planning, the effort, the force and the patience have all brought their reward.

Now we have the experience. And we want to know you.

Fred C. Strype
 320 Broadway-New York City
 Domestic & Export
**WRAPPING
 PAPER**

"Service in Specialties"

Our Slogan

Our plant at Waterford is ideally equipped for speedy and effective service in colored specialties for all purposes. Try us.

At Cohoes, our new mill is now concentrating upon the manufacture of WATCO Bond in white and colors, which has been received with such marked favor by paper buyers the country over.

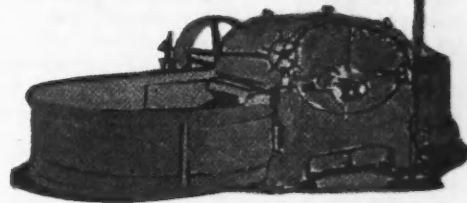
Let us quote on specialties of all descriptions

FRANK GILBERT PAPER CO.

Waterford, N. Y.

Cohoes, N. Y.

Representatives, **WILLIAM E. EBBETS & SON**
 521 Fifth Avenue, New York



**T. F. HART PAPER
 COMPANY, Inc.**

Dunkirk, Indiana

MANUFACTURERS OF

**ALBANY
 REFINED STRAWBOARD**

for

TUBES AND CAPS

SINGLE and DOUBLE LINED

PLAIN and COLORED

**VAT LINED, MILL AND SHEET LINED
 SPECIALTIES, ETC.**

Domestic and
 Export

Mill:
 Albany, Indiana



*Slow to be influenced
 by heat*

On his little journey through the mill, Bert picked up a hunk of the stuff we use to wax our paper and of course we told him it came from India, because we wanted a wax that was slow to be influenced by heat—that would keep molasses, kisses and lollypops and fine candies in elegant shape even when the sun boils hot.

The de lux book Cy has finished for us is full of pointed things, observed by R. H. the second who wrote most of it for us. Right gladly we will mail you a copy—if you speak up in a letter.

KALAMAZOO VEGETABLE PARCHMENT CO.

KALAMAZOO, MICHIGAN

"The World's Model Paper Mill"

Makers of Bond and Waxed Papers and Vegetable Parchment

DEMAND IN PHILADELPHIA FOR ALL PAPER VERY ACTIVE

News and Book Paper is Specially Scarce—Mill Men Express fear that Threatened Coal Shortage may Handicap Productions—Paper Trade Association sends out New Trade Customs—Purpose of the New Rules is to Stop the Sale of Small lots of Paper Direct to the Consumers, by the Paper Houses—D. L. Ward Company to Represent S. D. Warren Company in Baltimore.

[FROM OUR REGULAR CORRESPONDENT.]

PHILADELPHIA, November 10, 1919.—In the sense ordinarily employed, there is really no paper market in this city. It's simply a case of rush and crush. When the mills consent as a favor to take orders it is without price at the time—the price is to be determined at the time of making delivery. The only definite thing is that if special sizes or other than the ordinary weights are desired, the price will be a half cent per pound in excess of whatever happens to be the market price at that future date when the goods may be expected to be ready. News is almost as scarce as book and is about as uncertain as to deliveries. The mill men moreover are emphasizing their fear that the threatened bituminous shortage may make long deferred at best and, perhaps, impossible of filling at all orders now being placed for goods and that large increases over the last prices must be expected. A number of the mill men are reported to be much interested in the possibilities of crude oil for fuel purposes.

Writings in Active Demand

Writings are in active demand and short supply; wrappings are in pretty much the same positions. For writings and for specialties like onion skins, jobbers are beginning to look even across the seas. At least one of the big jobbing houses is arranging to send a representative to Europe on a quest for supplies which it despairs of securing in the American market. Importations are welcomed at this time, particularly rag stock for roofings. Old papers are selling well for all grades, but prices are without substantial change from last week. Printers are not as busy as one would expect, due very largely to a transfer of demand because of high prices to engraving. Employing printers, who in off season carried their hands over to keep organizations intact, are now laying them off because there is so much shifting about at this time that it is impossible to keep the organization intact any way.

To avoid possible legal entanglements, no sales compact has been made by the paper houses and the stationers on the matter long under consideration—sales by paper houses to consumers who are the regular customers of the stationers. An abuse, it will be recalled, developed a series of conferences; the spirit of co-operation was evidenced by paper houses and stationers with the result that the Paper Trade Association has just sent out this memorandum on trade customs which has been welcomed by the stationers and which it is believed will solve existing difficulties.

Trade Customs

Resolved, That the Paper Trade Association recognizes the claim of the Stationers' Association that any retail orders now being filled by the paper houses should be sold through the stationers, and in view of the assurance of the Stationers' Association of the increased business which has not been enjoyed in the past by the Paper Trade Association, the following rules and regulations will be observed until further notice:

That consumers (buyers not purchasing paper to sell again) be not sold paper in less than case lots.

That such watermarked or other papers as are desired by consumers, may be sold to them through their stationers subject to the following:

Salesmen accepting orders from customers will ascertain the nature of their business. If stationers, the usual conditions of the paper house will be observed.

If not stationers (unless they are printers or own their own printing plant, and buy case lots), they will be advised that as the paper house is a wholesale establishment only, and that paper is now sold at retail, a case lot may be sold to them; or if less than a case is desired, the paper will be delivered to them through any stationer whom they may designate. A multigraph plant will not be considered by the paper houses as a private printing plant.

The customer will be urged to permit the wholesale house to so deliver the goods, and will be discouraged as far as possible from buying direct from the paper house, but in case he still insists on so doing, the salesmen will calculate the usual charge and for amounts \$5 and under will add 100 per cent and charge accordingly; \$5 and over will add 60 per cent and charge accordingly.

N. B.—The purpose of these rules is to stop the sale of small lots of paper direct to the consumer by the paper houses.

To Represent S. D. Warren Company

Announcements are being sent out by the D. L. Ward Company that it has been appointed distributors, for Baltimore and vicinity, of the S. D. Warren Company's products. Therefore a sales office has been opened at 409 North Holliday street, Baltimore, under the management of Breckenridge C. Rust, assisted by T. Macken Meiere. A complete stock of standard Warren printing papers is to be carried. Mr. Rust is the former salesmanager of the Philadelphia office of the Warren organization, while Mr. Meiere was in charge of the Warren department of the Smith-Dixon Company branch of the Whittaker Paper Company. The Ward Company has taken over a large warehouse at Front and Federal streets, four stories high with basement and containing 8,000 square feet of space. Hereafter the home building at 28 South Sixth street will be used exclusively for executive offices and sales department. Shipping facilities will be increased by the change especially since the new warehouse has two railroad sidings for the accommodation of sixteen cars at one time. O. M. Steinmetz, in charge of the importing department, leaves for Europe December 10 for the purchase of a complete line of boxmakers' papers, onion skins and other specialties.

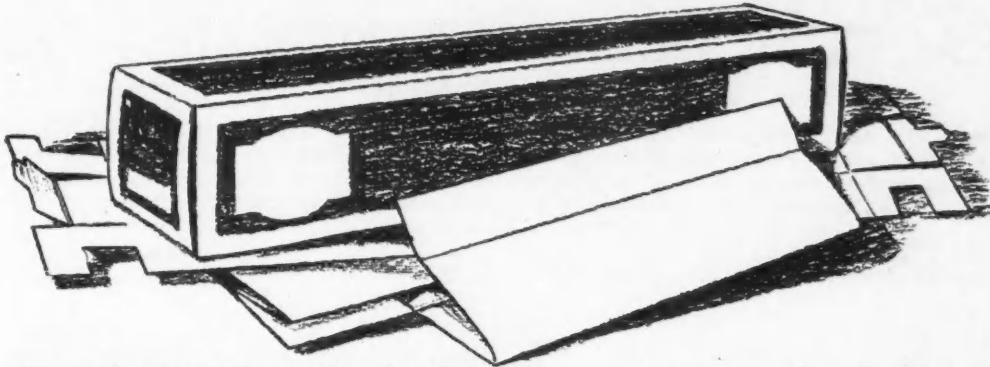
Place New Roll Sheet Cutter on Market

The Charles Beck Company, Sixth and Chestnut streets, is placing on the market its own invention of an automatic roll sheet cutter used in connection with the Stokes and Smith machines. The device takes the curl out of the paper as it runs from the roll and cuts it into sheets of flat papers of accurate size. When the roll is placed in position, the curl remover acts and then after being cut, the sheets are carried by endless belts into the automatic jogger and there jogged and counted into piles. Gears similar to those on autos permit the change of size almost instantly. The firm is also placing on the market a new Japanese parchment paper called the American Japan and made by the Strathmore paper Company.

Miller Plant Nearing Completion

There is nearing completion now the new box making plant and paper warehouse of William P. Miller and to which

(Continued on page 34)



BOXBOARD *and the* BIRD ^{INWARD} ^{FLOW} ROTARY SCREEN

The first Bird Screen was developed in connection with one of largest boxboard mills in the country, a mill that had used previously all the older types of screens.

Before a single screen was offered for sale the original screens had proved under the severest tests from every angle, that they would operate for longer periods, without attention, that they screened better, maintained capacity, costs less for operation and upkeep than any screen previously used.

Other boxboard mills, now using Bird Screens, are experiencing the same satisfactory service.

Send for Catalog I-A

BIRD MACHINE COMPANY
EAST WALPOLE **MASS**

T. H. SAVERY, JR., Western Representative, 1630 Republic Bldg., Chicago, Ill.

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.

Trouble With Lined Paper Board

Question No. 2464: There is at present being used in our lithograph department a white lined paper board which is causing us considerable trouble. There seems to be a tendency of the sheet to absorb a stipple work of color on the blank spaces which should show nothing but the clear board.

We know this is not the fault of the ink nor the plate, but purely a case of an inferior grade of stock. We would, therefore, like to hear what there is about the sheet, in your judgment, which is causing us this trouble and if possible how to remedy it.

Answer No. 2464: After carefully examining the samples submitted, we failed to find any defects in the paper, and would say that the paper is a fairly good grade of board. Of course, the samples submitted were too small to make any exhaustive tests with. Would advise that you look close into your conditions of printing again.

Preventing Grease on Jackets

Question No. 2465: Is there a method of using water white in washing jackets to prevent grease and grit from coming through on the jackets?

Answer No. 2465: We have never heard of any such method. It is generally the case to wash jackets with soda ash or soap solution to remove from the jacket such materials as are found in the white water, mostly clay, and which is very detrimental to good couching.

DEMAND IN PHILADELPHIA

(Continued from page 32)

during the past six months he has given personal attention that his ambition of making it the most modern in construction and the most sanitary and attractive may be realized. The building is located at 448-452 York avenue immediately adjoining a plant which Mr. Miller constructed a few years ago. The two are to be made continuous so that the complete establishment will run from 448 York avenue to 452 and will have three frontages, on York avenue and on two small intersecting streets which define the boundaries north and south. Each of the five floors of the combined buildings will have an area of 12,000 square feet. Special attention has been given to ventilation, sanitary plumbing, the flood lighting system and other details making for the effectiveness and the comfort of the hands. There are now being installed the Knowlton and Beach, the Stokes and Smith and the Jagenber Machine Company productions—all automatic and all safeguarded. The Miller business is very extensive—one item of stock being more than \$80,000 worth of chip board which occupies a portion of the first floor.

General News of the Trade

Col. Charles L. Carter, of the MacAndrews & Forbes Company, is on a month's hunting trip in Virginia—the

result of eleven months' preparation with gun and dogs, etc. Ontario, Virginia, is his nearest known headquarters.

Edward Hemingway, of Hemingway & Co., is in Maine on a little recreation trip.

Members of the local trade who attended the International Trade Conference in Atlantic City recently included Frank O'Neil of the Paper Manufacturers' Company, of Philadelphia; Harvey E. Platt, national president, and George W. Ward, president of the D. L. Ward Company.

Philip Fischer, of the Fischer Paper Company, 69 North Second street, job lot dealers, leaves on December 10 for France, England and Germany to place orders direct.

The court has awarded \$155,000 to Mrs. Mary Link Rosenthal on her claim as the common law wife of Isaac Rosenthal, a rag stock dealer, called "the millionaire junk dealer" who died recently.

Application is to be made November 24 for a charter for the Rains Printing Company with William G. Jackson, Emanuel Birnbaum and Walter L. Rodman as incorporators.

The "paper pickery" operated as a municipal institution by the city of Camden just across the Delaware and from which it realized \$4,000 a year has been closed probably indefinitely because of "labor shortage." Drunks in the olden days were sent here to work; prohibition came and the drunks went—hence the close down.

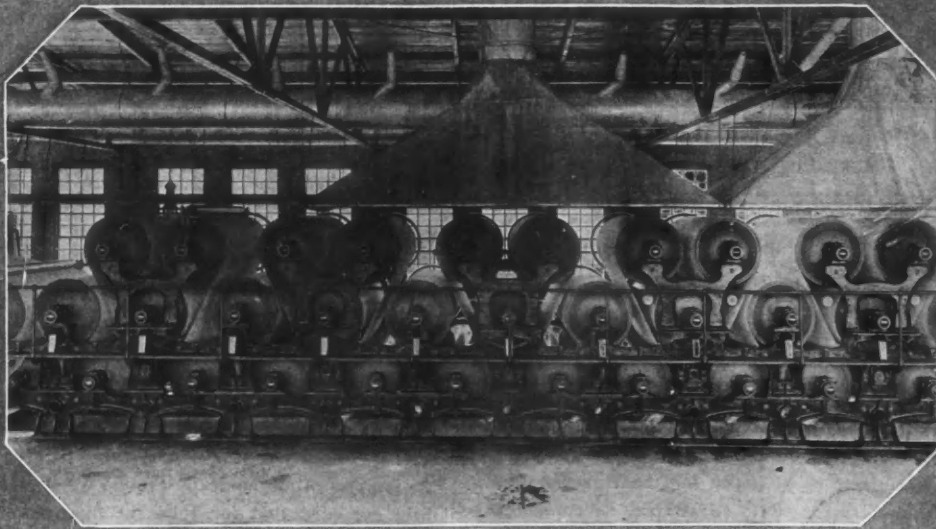
Miss Laura Stockton, 221 Ryers avenue, Fox Chase, a cardboard sorter in the employ of the A. M. Collins Manufacturing Company has been honored by appointment as delegate to the International Congress of Working Women.

The meeting originally called for mid-October of the Philadelphia Paper Stock Dealers Association was postponed until mid-December. At the meeting there will be appointed the committee to arrange for the annual dinner to be held in January, time and place not yet having been selected.

\$5,000,000 Pulp and Paper Mill for Port Arthur

MONTREAL, QUE., November 10, 1919.—Announcement was made to-day of the completion of arrangements for the establishment at the north city limits of Port Arthur of a pulp and paper industry with an investment of five million dollars. The company is to be known as the Great Lakes Pulp and Paper Company. The president is Lewis L. Alsted, of Appleton, Wis. Associated with him are George Seaman, of Chicago, one of the biggest pulp and paper men in the United States, and James Whalen, of Port Arthur, who established the Port Arthur Shipbuilding Company and the big pulp industries of the Whalen Companies in British Columbia. The plant will cover 100 acres.

The ground wood mill is to have a capacity of 30,000 tons per year, the sulphite mill 75,000 tons, and the Lewis Print Mill 35,000 tons. The engineer in charge of construction will be Hardy Ferguson, of New York.



☞ Better cutting edges for every paper mill need. They go a long way toward that wanted increase in production.

☞ And DOWD makes these better cutting edges and makes each one especially for the particular work it is to do.

☞ It's this DOWD experience—plus scientific methods of manufacture that makes Paper Mills specify DOWD products for the most important work.

Roll bars and bed plates of every description. Barker, Chipper, Paper, Rag Knives, etc., etc., have been made for Paper Mills by DOWD of Beloit for more than seventy years.

R. J. Dowd Knife Works
Makers of better cutting knives since 1847
Beloit, Wis.

Agents for Canada, Pulp & Paper Mill Accessories, Ltd., Shaughnessy Bldg.,
 Montreal, Canada.

Editorial

Vol. LXIX. New York, November 13, 1919. No. 20
FORTY-EIGHTH YEAR

Exports Increase

Exports and imports of paper for August, according to figures just furnished by the Department of Commerce at Washington, have, as in recent months, continued to increase. The figures show some interesting comparisons.

The exports of paper and manufactures of paper for the month amounted to \$6,300,399, as compared with \$4,788,085 for July and \$4,384,862 for August a year ago. The exports of paper and manufactures of paper for the eight months ending with August amounted to \$65,033,626, as compared with \$33,420,058 for the same period in 1918 and \$26,838,248 in 1917.

The exports of news print for August also showed a considerable increase for August as compared with July, the figures for the former month amounting to \$883,478, as compared with only \$595,460 for the latter. The figures for August a year ago amounted to \$716,208. The exports of news print for the eight months' period ending with August amounted to \$7,985,964, as compared with \$5,708,057 in 1918 and \$3,208,655 in 1917.

The exports of wrapping paper for August showed a generous increase over July, the figures for the former month amounting to \$479,253, as compared with \$205,879 for the latter. The figures for August a year ago amounted to \$346,925. The foreign sales of wrapping paper for the eight months ending with August amounted to \$4,911,347, as compared with \$3,067,231 for the same period in 1918 and \$2,250,598 in 1917.

The exports of writing paper and envelopes also showed a big increase for August as compared with July. The figures for the former month amounted to \$672,435, as against only \$472,286 for the latter. The figures for August a year ago amounted to \$597,825. The exports of writing paper and envelopes for the eight months ending with August amounted to \$11,007,687, as compared with only \$3,656,379 for the same period in 1918 and \$1,946,331 in 1917.

The foreign sales of paper board and strawboard for August amounted to \$398,241, as against \$286,542 for July. The figures for the month of August of the preceding year amounted to \$275,757. The exports of paper board and strawboard for the eight months ending with August amounted to \$3,534,655, as compared with \$1,693,380 for the same period in 1918 and \$1,315,355 in 1917.

The exports of toilet and tissue paper more than doubled in August, as compared with July. The figures for the former month amounted to \$173,556, as against only \$86,914 for the latter. The figures for August a year ago amounted to \$130,294. The exports of toilet and tissue paper for the eight

months ending with August amounted to \$1,349,874, as compared with \$735,406 for the same period in 1918.

The imports of paper and manufactures of paper for August showed a slight decline over the preceding month, amounting to only \$4,009,874 for August, as compared with \$4,395,968 for July. The imports of this commodity a year ago for August amounted to \$3,387,731. The imports of paper and manufactures of paper for the eight months ending with August amounted to \$33,584,509, as compared with \$28,008,754 for the same period in 1918 and \$27,160,483 in 1917.

The imports of printing paper valued at not above five cents per pound for August amounted to \$3,354,431, as against \$3,692,250 for July and \$2,742,397 for August of the preceding year. The imports of this commodity for the eight months ending with August amounting to \$27,875,447, as compared with \$22,744,863 for the same period in 1918 and \$19,443,628 in 1917.

The imports of mechanically ground wood pulp for August slightly exceeded that for July, the figures for the former month being \$480,178, as compared with \$414,680 for the latter. The imports of this commodity for August amounted to \$500,598. The imports of wood pulp for the eight months ending with August amounted to \$2,665,465, as compared with \$2,972,176 for the same period in 1918 and \$5,655,832 in 1917.

The imports of chemical pulp for August amounted to \$2,006,758, as compared with \$1,881,699 for July and as compared with \$2,193,110 for the same period a year ago.

The imports of chemical pulp for the eight months' period ending with August amounted to \$12,551,492, as compared with \$15,168,773 for the same period in 1918 and as compared with \$22,855,924 in 1917.

Paper Men Win Again

The long-drawn-out dispute over the Federal price of contracted news print came to an end last week. And the publishers didn't win the dispute, either. The first district Circuit Court denied the publishers a rehearing on the case, and stated in three very brief statements that the publishers had no case.

Last May, when the Federal Trade Commission investigated the cost price of news print, and tabulated the records from the accounts of the International Paper Company and the Spanish River Pulp and Paper Mills, Ltd., they recommended that the price should be 3.75 for all news print sold on contract until three months after the termination of the war. The war has not yet been officially terminated. The Federal Circuit Court approved the reports of the Trade Commission, and definitely fixed the price of news print as they had recommended, and based their decision on the reports of the two mills mentioned.

Then, in August, the publishers demanded a rehearing, on the grounds that the decision was based on too little evidence, in other words, that to decide the selling price of all the mills from the figures of just two was not just.

And so, on October 6, last, the publishers were allowed to present their claims for a rehearing of the case, and the introduction of additional evidence. The publishers, who stated that 3.50 was sufficient to allow the paper manufacturers a fair profit, stated that they had additional evidence. The court decided:

"First.—The publishers have not stated reasonable grounds for the failure to adduce the additional evidence which they now ask to take before us, and that application is, therefore, denied.

"Second.—The publishers have acquiesced in the record of the International Paper Company, and the Spanish River Pulp and Paper Mills, Ltd., alone.

"Third.—The findings of the arbitrators are approved."

New Prices for News Print

Already plans for the coming year have been made by the manufacturers of news print, and several of the manufacturers have let contracts at various prices.

The International Paper Company has announced that it will let contracts on two distinct systems. They are:

First. Publishers can contract at the prices set by the Federal Trade Commission (3.75 cents) for the period in 1920 during which the Government price applies, and at the end of that period can make a new contract, if possible, at the then current price of news print.

Second. Contracts will be taken at the set price of \$4.50 per 100 pounds, for the first three months of 1920, and the price thereafter is to be settled by a conference between the manufacturer and the publisher. In this case, the contract is for a certain definite amount for the entire year.

The Great Northern Paper Company has made several contracts on a 4-cent basis for the entire year. It offers the same opportunity to the publisher to gamble on the length of time that the government price recommendations will be in effect but has taken most of its contracts at \$4.00 the hundred pounds.

On the other hand, there have been rumors, and in some cases actual contracts of prices as high as \$7.50 the hundred pounds, while several concerns have contracted for three-month periods beginning January 1 for news at \$6.50@7.00.

The general trend, however, seems to be a conservative, just price for news print next year, and although as yet the Canadian mills have not announced their prices to American concerns, it is understood in manufacturing circles here that the prices will be around \$4.50@5.00 the hundred pounds for new rolls.

Buys Patent Vulcanite Roofing Company

NIAGARA FALLS, N. Y., November 10, 1919.—Announcement was made yesterday by William F. McGlashen, president of the Beaver Board Companies, of Buffalo, of the purchase of the Patent Vulcanite Roofing Company, a \$6,000,000 roofing paper concern of Chicago.

This is the latest step in an extensive after-war expansion program which the Beaver Board Company is planning to carry out. Mr. McGlashen recently returned from a business trip to Europe, where he established offices in Holland and Belgium, in connection with branch offices in England. William T. Buckley, export manager of the company, has returned from a trip through New Zealand and Australia, where it is expected to extend the trade and before many years it is intended to have beaver board used throughout the world.

Mr. McGlashen is optimistic of trade in Europe and looks for early return of prosperous times. He says Belgium will get back to normal more quickly than France.

The new acquisition has six factories and 43 warehouses throughout the United States. Much of the business of the company will be transferred to Buffalo.

Kalamazoo Well Supplied with Coal

KALAMAZOO, MICH., November 10, 1919.—The calling of the nation-wide strike of soft coal miners found the Kalamazoo paper mills pretty well prepared for the consequent shortage of fuel. There is very little danger of a serious shut-down here unless the strike runs much longer than anticipated. The Standard Paper Company, Kalamazoo Paper Company, King Paper Company and Monarch Paper Company report reserve stocks on hand sufficient to run these plants from 30 to 60 days. The Rex Paper Company, the Hawthorne Paper Company and the Kalamazoo Vegetable Parchment Company have fair stocks on hand.

The Bryant Paper Company, using 400 tons of coal a day and the largest consumers in the valley, will likely get through without serious difficulty, though quite dependent on prompt deliveries of slack coal now in transit.

The Western Board and Paper Company, smallest mill in the city, is changing its boiler house over to the stoker system of fuel feed and is practically out of all kinds of coal and will likely be forced to suspend for a short period, or until slack coal is available.

Resigns from Remington Power and Paper Company

WATERTOWN, N. Y., November 10, 1919.—John A. Remington, assistant secretary of the Remington Paper and Power Company, has resigned his position and will at once leave the local concern to devote his entire time to the management of the Norwood & St. Lawrence Railroad Company, of which he is vice-president and secretary. He expects to take charge of the business of the railroad at the Norfolk office at once and will move his family to Norwood.

The Norwood & St. Lawrence railroad was built in 1901 by the late C. H. Remington for transportation service between the Norwood railroad junction and his mills at Norfolk and Raymondsville. It was later extended through to Waddington and is now carrying materials to the mills from water transportation on the St. Lawrence river. Considerable agricultural shipments pass over the road and a passenger service has been installed.

Asks Print Paper Ban

WASHINGTON, D. C., November 8, 1919.—Exportation of print paper would be prohibited under a bill introduced to-day by Representative Christopherson, Republican, South Dakota.

Penalty for violation of the law would be \$10,000 or ten years' imprisonment.

EDWIN BUTTERWORTH & CO.

MANCHESTER, ENGLAND

Packers of all kinds of

PAPER STOCK, COTTON WASTE AND GUNNY BAGGING, BUFFALO SIZING, Etc

83 Sole Agents HAFSLUND

BLEACHED SULPHITE PULP — BEAR BRAND

Boston Office, 136 Federal St.

New York Office, 132 Nassau St.

CHARLES H. WOOD, Sr. U. S. Mgr.

LEWIS JENNINGS, Manager

"WATERBURY"

Felts-Jackets

ORISKANY, N. Y.

OUR TIGHT FITTING, DIAMOND "W" JACKETS WILL NOT LICK UP AT ANY SPEED

1869 { MADE ONLY AND } 1918
GUARANTEED BY

H. WATERBURY AND SONS COMPANY, ORISKANY, N. Y.

PAPER AND PAPER STOCK IMPORTS AND EXPORTS OF THE UNITED STATES

For the Month Ending August 31, 1919, and for the Eight Months Ending August 31, 1919, as Compared with Corresponding Months of Three Previous Years.

PAPER AND MANUFACTURES OF.	IMPORTS—PAPER.															
	August—1918—				August—1919—				Eight Months Ended August 31—1918—				August 31—1919—			
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		
Books, music, maps, engravings, etchings, photographs and other printed matter. Free	.....	\$181,186	.....	\$200,717	.....	\$2,320,968	.....	\$1,305,178	.....	\$1,963,164	.....	\$2,320,968	.....	\$1,963,164
Decalomania paper, not printed. Free	.....	90,687	.....	91,066	.....	962,312	.....	603,835	.....	687,126	.....	962,312	.....	687,126
Lithographic labels and prints (except post cards). DUT.	.....	9,545	.....	16,439	.....	105,314	.....	85,285	.....	88,642	.....	105,314	.....	88,642
Paper hangings. DUT.	17,822	56,509	10,667	14,990	.....	223,003	.....	165,154	.....	114,290	.....	223,003	.....	114,290
Photographic. lbs. DUT.	7,581	5,468	.....	5,468	.....	231,829	.....	128,426	.....	45,313	.....	231,829	.....	45,313
.....	8,781	8,832	28,880	12,129	.....	484,475	.....	138,000	.....	107,366	.....	484,475	.....	107,366
PRINTING PAPER FOR BOOKS AND NEWS-PAPERS—																
Valued at not above 5 cents per pound. lbs. Free	93,725,613	2,742,397	94,261,236	3,354,431	716,337,214	19,443,628	790,385,220	22,744,863	\$15,133,151	27,875,447	.....	22,744,863	\$15,133,151	27,875,447	
All other. lbs. DUT.	17	10	9,887	5,688	305,460	51,490	132,058	15,837	97,805	37,691	.....	15,837	97,805	37,691	
Post cards, souvenir. DUT.	.....	2,986	.....	1,324	.....	40,311	.....	16,520	.....	17,000	.....	40,311	.....	17,000
Pulp board, in rolls, not laminated. DUT.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Surface-coated. lbs. DUT.	5,303,685	112,730	7,748,127	195,061	.....	.....	10,496,025	231,064	55,576,602	1,391,932	.....	10,496,025	231,064	55,576,602
Wrapping. lbs. DUT.	52,437	10,025	2,882	2,046	.....	425,612	68,195	117,466	34,045	28,309	.....	425,612	68,195	117,466
All other. lbs. DUT.	1,171,776	87,184	220,693	18,520	4,856,637	345,772	5,605,726	358,940	783,728	244,392	.....	4,856,637	345,772	5,605,726	
.....	.....	78,059	.....	91,995	.....	2,883,186	.....	2,181,607	.....	983,295	.....	2,883,186	.....	983,295
Total paper and manufactures of...	.....	\$3,387,731	.....	\$4,009,874	.....	\$27,160,483	.....	\$28,008,754	.....	33,584,500	.....	\$27,160,483	.....	33,584,500

CRUDE PAPER STOCK.										
Paper stock other than woolen. lbs. Free	166,492	\$11,866	13,812,217	\$380,629	31,061,435	\$857,093	3,142,580	\$98,716	30,259,631	\$937,680
All other kinds of paper stock. lbs. Free	7,791,378	234,218	13,494,223	420,592	.....	3,374,417	.....	1,852,821	57,548,466	1,798,933
Total.....	.....	\$246,084	.....	.....	.....	4,231,510	.....	1,951,937	.....	.....

WOOD PULP.										
Mechanical y ground. tons. Free	18,972	\$500,598	20,639	\$480,179	175,759	\$5,655,832	100,474	\$2,972,176	100,697	\$2,665,465
Imported from—										
Canada.....	18,972	\$500,598	20,639	\$480,179	158,067	\$5,075,260	99,290	\$2,947,440	99,648	\$2,643,643
Other countries.....	.....	.....	.....	.....	17,692	580,572	1,184	24,736	1,049	21,822
Chemical—										
Unbleached—										
Sulphate..... tons. Free	8,190	\$565,915	9,231	\$633,139	64,929	\$7,155,560	69,024	\$4,796,984	65,113	\$4,465,960
Sulphite..... tons. Free	20,923	1,627,195	17,412	1,373,619	173,370	15,700,364	142,916	10,371,789	95,460	8,085,592
Total..... tons	29,113	\$2,193,110	26,643	\$2,006,758	238,299	\$22,855,924	211,940	\$15,168,773	160,573	\$12,551,492
Imported from—										
Norway.....	.....	.....	200	30,106	7,421	\$704,533	.....	.....	2,060	\$207,131
Sweden.....	.....	.....	2,183	201,280	109,873	10,224,332	600	46,620	12,764	\$1,269,813
Canada.....	29,113	2,193,110	24,260	1,775,372	120,581	11,899,907	211,154	15,105,916	143,745	10,854,893
Other countries.....	.....	.....	.....	.....	424	27,152	186	16,237	1,984	219,655
Bleached—										
Sulphate..... tons. Free	418	\$26,795	355	\$25,915	198	\$29,106	1,238	\$78,427	2,865	\$214,261
Sulphite..... tons. Free	1,489	137,854	3,393	394,748	31,457	3,835,861	9,647	872,119	14,756	1,724,166
Total..... tons	1,907	\$164,649	3,748	\$420,703	31,655	\$3,864,967	10,885	\$950,546	17,621	\$1,938,429
Imported from—										
Norway.....	.....	.....	575	\$82,132	12,673	\$1,676,727	600	\$87,636	1,000	\$172,818
Sweden.....	.....	.....	200	20,368	11,072	1,247,861	.....	.....	1,088	147,284
Canada.....	1,907	164,649	2,973	318,203	7,910	940,379	10,285	862,910	14,555	1,518,323
Other countries.....	.....	.....	.....	.....	.....	.....	.....	.....	978	100,004

CHEMICALS AND OTHER PAPER MAKERS' SUPPLIES.										
Colors or dyes, n.e.s. lbs. DUT.	161,409	204,645	85,726	\$168,494	.....	\$1,825,434	.....	\$1,517,836	1,123,050	\$1,786,419
Imported from—										
Germany.....	.....	.....	.....	.....	.....	\$4,497	.....	.....	18,518	\$15,644
Switzerland.....	127,616	\$175,497	74,558	\$142,486	.....	1,411,145	.....	\$1,108,470	819,045	1,415,848
United Kingdom.....	27,963	20,969	5,707	10,763	.....	337,382	.....	306,964	259,274	318,948
Other countries.....	5,811	8,479	5,461	15,245	.....	72,410	.....	102,970	26,213	38,979
Indigo, natural and synthetic—										
Natural..... lbs. DUT.	43,617	\$68,445	2,837	\$3,721	1,404,905	\$2,742,512	1,376,302	\$1,678,575	152,386	160,506
Synthetic..... lbs. DUT.	381	497	8,115	17,355	1,093,890	682,707	535,312	310,697	329,735	1292,353
Alizarin and alizarin dyes. lbs. DUT.	.....	.....	2,214	4,637	.....	28,765	16,141	67,063	12,423	16,751
Lactarene or casein. lbs. Free	193,803	18,559	2,178,865	236,027	10,019,546	1,530,460	5,923,436	805,047	8,916,448	1,020,942
Lime, chloride of. lbs. DUT.	.....	.....	.....	.....	.....	4,000	140	78	176,978	5,855
Magnesite, not purified. lbs. Free	2,473	131,953	875	27,553	.....	1,685	108,991	12,913	642,116	5,099
Potash, hydrate of. lbs. Free	.....	.....	930	353	.....	52,997	23,149	.....	481,290	182,558
Sulphur or brimstone. tons. Free	.....	.....	.....	10	.....	775	14,035	54	1,665	74
China clay or kaolin. tons. DUT.	8,544	62,776	14,198	191,170	156,309	952,936	111,222	832,065	107,654	1,244,234

(Continued on page 40)

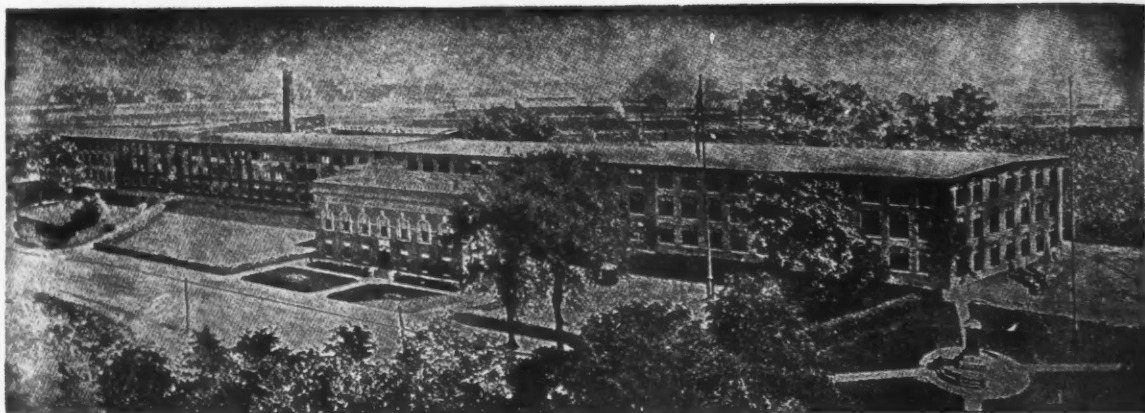
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Manufacturers of Kenwood Felts and Jackets for all kinds of Paper and Pulp
Seamless Felts both for high speed machines and fine papers

PAPER AND PAPER STOCK IMPORTS AND EXPORTS OF THE UNITED STATES

(Continued from page 38)

PAPER AND MANUFACTURERS OF	PULP WOOD									
	August				Eight Months Ended August 31					
	1918		1919		1917		1918		1919	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Rough..... cords. free	57,960	\$565,329	49,864	\$475,680	133,685	\$927,260	186,210	\$1,656,567	175,900	\$1,658,002
Peeled..... cords. free	118,884	1,171,638	33,418	337,910	456,667	3,303,818	741,837	7,157,112	563,120	5,486,142
Rosined..... cords. free	15,941	190,957	14,183	194,045	89,717	874,531	62,358	710,864	65,005	852,404
Total pulp wood..... cords.	192,785	\$1,927,924	97,465	\$1,007,644	680,069	\$5,105,609	990,405	\$9,524,543	804,034	\$7,997,148

EXPORTS—PAPER.										
Books, music, maps, engravings, etchings, photographs and other printed matter.....		\$56,774		\$130,333		\$703,242		\$597,945		\$1,031,099
Boxes and cartons.....		936,331		1,511,517		6,737,293		7,071,512		11,339,464
Cash register and adding machine paper.....		110,114		92,772		459,168		618,013		885,251
Paper board and strawboard.....		31,422		80,949		382,297		304,218		609,916
Paper hangings.....		6,551		8,117		10,609		75,859		109,879
Playing cards.....		275,757		398,231		1,315,355		1,693,380		3,534,655
Printing paper—News print..... lbs.	17,041,463	\$716,208	19,299,070	\$83,478	\$4,604,327	\$3,208,855	139,357,340	\$5,708,057	177,492,837	\$7,985,964
Exported to—										
France.....	4,586,742	\$190,881	102,165	\$4,406			30,679,315	1,242,609	36,934,595	\$1,559,426
United Kingdom.....	289,846	21,649	952,768	41,610	1,468,529	\$44,257	3,071,221	177,327	3,139,422	144,470
Canada.....	567	9,017	45,821	322	492,118	24,179	324,186	20,850	469,535	26,037
Mexico.....	241,637	9,017	45,821	2,993	9,808,352	445,035	4,112,131	130,329	2,824,652	139,316
Cuba.....	1,081,439	49,479	2,232,418	100,164	10,105,641	364,596	12,511,304	454,280	12,654,801	578,992
Argentina.....	3,116,267	126,379	7,561,946	306,044	23,082,546	758,904	26,325,134	907,223	43,083,597	1,749,530
Chile.....	619,406	27,213	1,017,947	44,738	5,030,495	158,694	7,408,777	316,425	4,568,264	196,715
Other South America.....	1,766,733	75,948	3,971,672	182,731	20,778,346	886,066	21,584,297	891,771	39,334,850	1,780,919
Australia.....	2,328,257	84,357	2,153,323	10,324	3,718,724	141,002	13,010,679	496,498	10,771,258	485,168
Other countries.....	3,010,578	140,238	3,197,567	181,476	10,039,676	385,922	20,330,296	900,745	23,711,933	1,335,331
All other..... lbs.	6,814,618	\$586,130	9,833,379	\$1,023,636	62,900,923	\$5,508,209	60,317,689	\$5,109,971	127,617,705	\$13,381,015
Exported to—										
United Kingdom.....			156,229	\$22,041	3,357,592	\$237,344	731,944	\$70,632	1,159,049	\$176,158
Canada.....	558,637	\$41,394	453,702	60,789	5,781,082	545,868	4,365,629	384,039	3,789,335	452,330
Mexico.....	9,623	1,121	252,808	27,869	3,002,756	268,338	915,544	75,052	3,783,089	350,315
Cuba.....	848,462	84,826	1,054,622	127,561	6,797,083	579,584	7,303,468	699,315	6,355,946	714,321
Argentina.....	753,804	67,875	3,309,924	302,495	6,447,703	621,398	6,279,902	528,187	23,814,491	2,447,309
Brazil.....	1,201,064	103,559	1,129,860	115,633	9,577,586	866,531	6,336,031	538,596	12,174,459	1,278,372
Chile.....	414,782	37,541	251,656	29,369	5,172,663	481,077	2,935,202	232,539	4,231,112	528,264
Other South America.....	411,298	43,090	422,387	46,075	6,730,795	584,335	2,237,015	214,885	4,788,543	554,112
British India.....			199,999	20,215			3,897,234	321,225	3,823,744	348,315
Japan.....	850,493	70,767	325,909	22,591	2,189,027	197,526	8,296,491	683,065	19,160,479	2,151,712
Australia.....	892,212	64,485	1,162,808	114,555	6,191,006	430,430	9,032,704	672,679	21,585,406	2,037,843
Other countries.....	874,243	71,472	1,113,475	134,443	7,653,630	695,778	7,966,525	689,757	22,952,052	2,321,773
Tissue and toilet paper.....		\$130,294		\$173,556		\$86,340		\$735,406		\$1,349,874
Towels and napkins.....		7,486		15,474		11,828		57,000		118,668
Wax paper.....		19,009		16,798		18,937		139,955		482,583
Wrapping paper..... lbs.	4,137,505	346,925	5,834,317	479,253	30,256,912	2,250,598	39,979,437	3,067,231	53,421,152	4,911,347
Writing paper and envelopes.....		597,825		672,435		1,946,331		3,656,379		11,007,687
All other paper.....		446,847		593,529		3,407,638		3,656,072		6,420,202
Total paper and Manufactures of.....		\$4,384,862		\$6,300,399		\$26,838,248		\$33,420,058		\$635,03,626

WOOD PULP AND PAPER STOCK										
Paper stock, rags and other..... lbs.	3,290,392	\$62,119	4,554,962	\$145,879	19,764,342	\$499,681	23,128,333	\$442,223	28,650,050	\$759,015
Wood pulp..... tons.	1,883	144,282	3,255	281,932	18,014	1,649,223	14,967	1,345,293	22,642	1,921,499

MISCELLANEOUS ITEMS										
Rosin..... bbls.	72,492	\$738,661	206,738	\$3,723,504	1,026,000	\$6,882,194	507,720	\$4,181,038	764,187	\$11,535,941
Exported to—										
Italy.....					36,554	\$217,802	26	\$184	18,450	\$268,677
Netherlands.....			7,288	\$130,238			618	5,739	21,531	340,498
Norway.....	\$618	\$5,739	1,205	21,190	3,015	21,622		6,531	6,531	100,555
Sweden.....			1,205	21,190	1,964	13,451			13,425	214,202
United Kingdom.....	24,154	233,988	109,038	2,133,304	431,070	2,880,889	87,590	747,753	371,846	5,905,314
Canada.....	16,345	151,310	7,063	132,310	121,100	789,100	101,187	770,826	34,580	498,890
Cuba.....	1,778	21,036	2,001	36,851	22,426	136,713	17,545	129,274	15,118	217,398
Argentina.....	8,190	90,611	23,775	380,064	128,537	871,710	49,061	425,134	80,963	1,252,040
Brazil.....	6,899	74,990	25,152	401,306	91,276	617,975	71,242	578,571	96,576	1,273,034
Uruguay.....	2,798	30,290	3,925	64,157	19,344	134,410	19,177	168,537	18,808	279,047
Dutch East Indies.....	849	5,800	3,041	44,063	35,080	235,691	13,387	112,934	11,592	191,286
Japan.....	4,778	50,861	17,307	266,897	45,824	311,265	61,771	523,352	22,535	338,358
Australia.....			112	967	40,182	281,312	37,313	303,000	7,687	80,218
Other countries.....	6,083	74,036	6,831	112,157	49,628	320,224	48,573	410,644	44,545	647,424
Dyes and dyestuffs.....						7,152,089				
Sulphur or brimstone..... tons.	7,913	197,193	14,040	360,406	98,837	2,135,253	89,164	2,548,368	87,927	2,919,090
Sulphuric..... lbs.	4,391,992	76,095	2,867,911	60,922	47,737,601	723,364	53,239,380	873,821	11,338,114	273,512
Paper and pulp mill machinery.....		137,659		389,918		1,282,691		1,117,452		2,885,061



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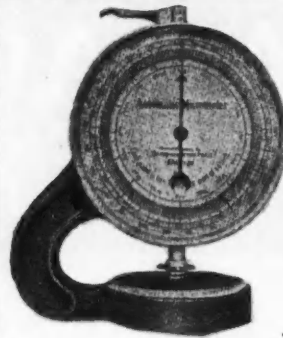
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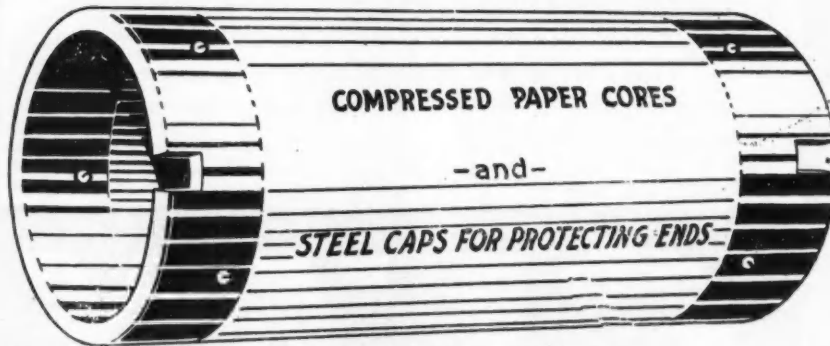
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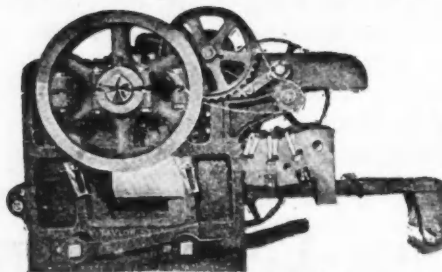
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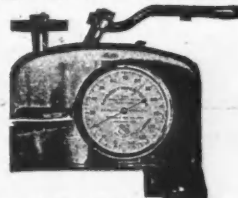
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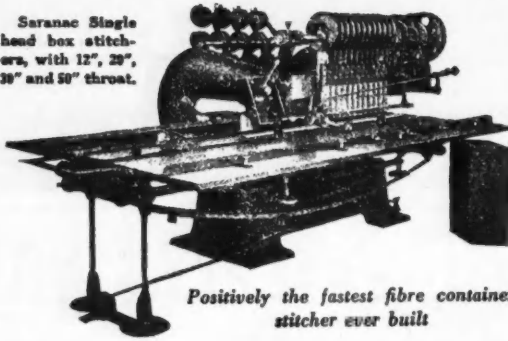
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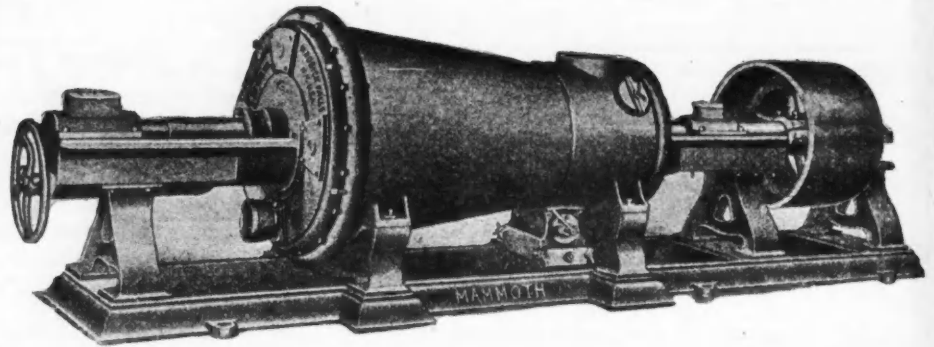
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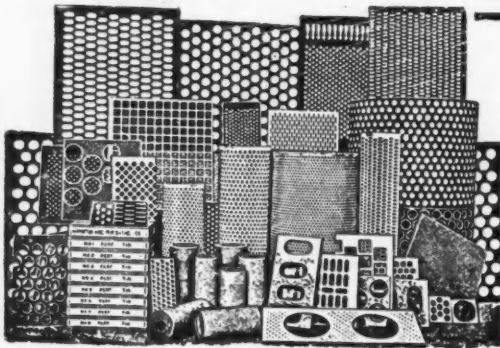
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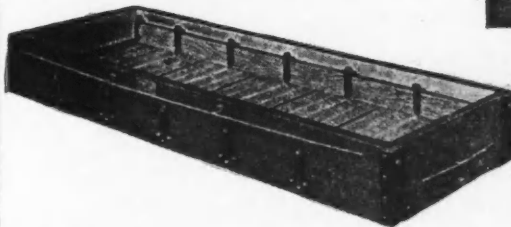
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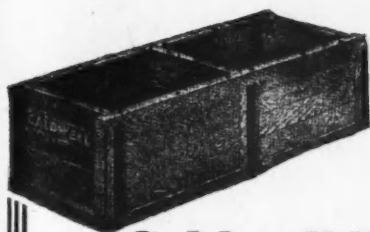
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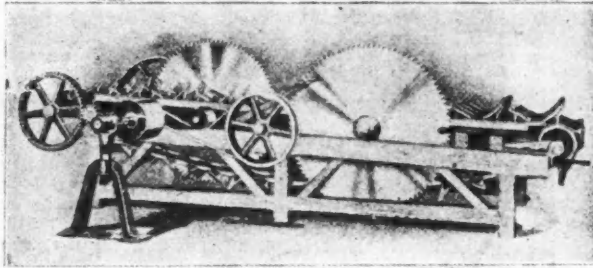
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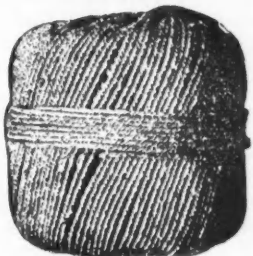
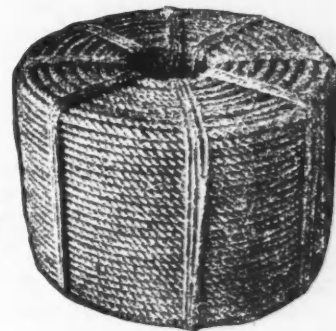
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New York Market Review

OFFICE OF THE PAPER TRADE JOURNAL,
WEDNESDAY, NOVEMBER 17, 1919

There was considerable activity in the pulp and paper business in New York this week. Dealers report that they are selling in a slightly firmer market than last week, and that the mind of the buyer seems to have been considerably relieved by the present outlook in labor and strike conditions.

News print is still on the upward path, and apparently has not reached the high-water mark yet. News advanced another rung in its price ladder, and is now selling at 7.15@7.50, for spot rolls. In fact, there have been some three-month contracts let at 7.00@7.25, while rumors of still higher prices are current. As many small plants are being converted into news print mills in hopes of reaping their share of the profits now available in that line, the situation may, it is hoped, be somewhat relieved.

Dealers in book paper are still considerably inconvenienced by the printers' strike in New York, as the consumption of book paper has been considerably cut down, and that business which formerly went to New York dealers is now going to out-of-town jobbers, due to the fact that a good many New York publications are now being printed elsewhere. However, a general strengthening in the market, and a probable increase in the price of most grades of book paper is anticipated as soon as the local strike is settled, and the former strong demand returns.

The writing and bond paper markets have maintained a strong steadiness throughout the past month. Prices have been practically stationary, and the demand active. There is very little paper of any kind for export just now, partly due to the difficulties of transportation and high freight rates, and largely due to the excessive domestic demand, which absorbs any paper, no matter in what amounts, or what grade, as soon as it is placed on the market. The unfortunate part of it is, that there is apparently very little paper or paper supplies stored, and the market feels the effect of the dropping of one manufacturer out of the market without this buffer of a reserve supply.

Boards and tissues have maintained a steady market, and have shown little tendencies to change for some time. Prices of all grades of coarse papers and tissues are fairly strong.

Mechanical Pulp

Manufacturers of news print as well as dealers are still having considerable difficulty in obtaining ground wood. Prices for some spot deliveries were ridiculous, while the grade of pulp was usually of a second or third class. Some pulp which has been stored for two or three years has been sold recently at \$35@40, while fresh ground wood, which is almost out of the market, is selling at \$45@50.

Chemical Pulp

Trade in chemical pulp this week is reported as even more active than last, while the prices are maintaining their strong tendencies. News sulphite is in strong demand, while Kraft, both foreign and domestic, promise further advances shortly.

Rags

The rag market has kept its balance for some time, and has gradually improved until now it is almost as active as usual. Prices, however, are the same as last week, but increases are expected shortly. Local dealers have been receiving for some time delayed importations of foreign rags, thus keeping the market steady as the demand increased.

Old Ropes and Bagging

The old rope and bagging market, along with the rag market, has been strengthening slightly recently, although there have been no market changes in prices. Trade is reported normally active, and demand good. The increased cost of handling all paper stock has had a marked effect on the paper stock and rag market, causing, in many instances, price increases which manufacturers blamed to the dealer.

Paper Stock

The printers' strike in New York is expected to have a slight effect on the shavings and flat stock supplies, as many of the publications are not being published. Other grades of stock, however, are about the same and promise no immediate change.

Twine

Paper makers' twines are still in active demand. The supply seems to be somewhat restricted, as there is a shortage in twine manufacturers' supplies. Prices, however, have remained stationary, at a fairly high level.

SUPERINTENDENTS MEET IN CHICAGO

(Continued from page 17)

given a hot bath, under pressure, in some cases, and are then given a cold bath. Mr. Barth flashed many pictures on the screen which seemed to prove his contention that creosote is the ideal preservative for timbers used in constructing the mill roof.

He got off his subject a little, however, and began to talk on the superiority of creosote block floors over concrete and cement floors. Here he got into deep water, for it soon became evident that the concrete floor, especially in the beater room, is not without its firm supporters among the superintendents. On the other hand, certain mill superintendents came out, or rather up, in favor of the creosote block floor. The discussion became general. The supporters of the creosote block floor declared that it was comfortable and satisfactory to the workers, whereas a concrete floor is uncomfortable to stand upon many hours at a time.

Address by Dr. Otto Kress

The program of the afternoon session called for a combined meeting of printing and paper mill superintendents, a paper by H. P. Carruth on the "Relation of Ink and Paper in Halftone Printing," a talk by Edward T. A. Coughlin on the "Manufacture of Coated Papers," and an address by Dr. Otto Kress, of the United States Forestry Laboratory at Madison, Wis., on the "Testing of Papers." Dr. Kress told his hearers of the work which is being done by the Forestry Laboratory, but explained that on account of the smallness of funds appropriated by Congress only the rudest beginnings into research work could be made. He advised printers, a number of whom were present, to humidify their plants, in order that the air in the press room and the room where paper is stored, may be the same. The expense of this is small, he said, and excellent results can be obtained.

Interesting Address by Robert Fay

At the banquet which was held in the evening, Robert Fay, of the Chicago Paper Company, was the chief speaker. He delivered a most interesting address on "Selling Your Own People the Big Ideals of Your Business." Many employers, according to Mr. Fay, sell their customers, but overlook the fact that to obtain the greatest results they must first sell their own employees. He recommended the profit-sharing plan, and said that in the profit-sharing plan lies the solution of all labor troubles. A group of workmen are not going to strike against themselves, nor do they care about the overtures of unions and red agitators if they are profit sharers in the business.

Market Quotations

Paper Company Securities

New York Stock Exchange closing quotations, November 12, 1919.

STOCKS.

Table listing Paper Company Securities with columns for Bid and Asked prices. Includes American Writing Paper Company, International Paper Company, etc.

BONDS.

Table listing Bonds with columns for Bid and Asked prices. Includes International Paper Co., Convertible S. F. 5s, 1935, etc.

Paper

Large table listing various Paper products such as Bonds, Ledgers, Writing, Superfine, Tub Sized, Engine Sized, News, Rolls, Sheets, Book cases, Coated and Enamel, Tissues, Whites, Kraft, Roofing Stock, Foreign Rags, and Bagging. Includes columns for quantity and price.

Mechanical Pulp

Table listing Mechanical Pulp products like No. 1 f. o. b. Mill, No. 2 f. o. b. Mill, etc.

Chemical Pulp

Table listing Chemical Pulp products like Sulphite (Foreign), Sulphite (Domestic), Kraft (Foreign), Kraft (Domestic), etc.

Domestic Rags

Table listing Domestic Rags products like Shit Cuttings, New White, Old White, etc.

Table listing Finished Jute, Jute Wrapping, Tube Rope, Unfinished India, Paper Makers' Twine, Box-Twine, Jute Rope, Amer. Hemp, Sisal Hav, Sisal Lath Yarn, and Manila Rope.

Old Waste Papers

Table listing Old Waste Papers products like Shavings, Hard White, Soft White, Flat Stock, Over Mag, Solid Flat Book, Crumpled, etc.

CHICAGO

[FROM OUR REGULAR CORRESPONDENT.]

Paper

Table listing Paper products in Chicago like Straw o. Bard, Filled Pulp Board, Old Papers, Shavings, No. 1 Hard, No. 1 Soft, etc.

BOSTON

[FROM OUR REGULAR CORRESPONDENT.]

Paper

Table listing Paper products in Boston like Bonds, Ledgers, Writing, Superfine, Books, Book, M. F., Book, Coated, Label, News, Sheets, News, Rolls, Manila, No. 1 Manila, No. 1 Fibre, No. 1 Jute, Kraft Wrappings, Common Bogus, etc.

(Continued on page 54)

LARGE NEWSPAPERS CONTINUE TO WASTE PAPER

(Continued from page 20)

the alleged 'evils of ignorant and ruinous competition' might be eliminated, as stated in bulletins published by the organization."

Coercive methods, the complaint charges, have been used to obtain subscriptions to the "Three Year Plan" fund, "in that the organization published and circulated monthly bulletins containing names and addresses of subscribers, in order that the employing printers could discriminate in the purchase of supplies in favor of those who had subscribed and against those who had not." Publication of this list, the complaint alleges, "has intimidated manufacturers and dealers in printers' supplies and has caused them to contribute to the fund against their will, in order to avoid being discriminated against."

The "Standard Cost System" and "Standard Price List" which the organization urges employing printers to adopt, the complaint states, "are largely devices calculated to establish a uniform scale of prices throughout the printing industry and are not merely a system of cost finding."

The organization and its seven officers named, Benjamin P. Moulton, Arthur E. Southworth, Charles L. Kinsley, George H. Gardner, E. H. James, Fred W. Gage and Joseph A. Borden, were directed to file answer with the Commission at Washington, December 15.

Report of Bureau of Standards

In the monthly report of the Bureau of Standards, the Director has the following to say in connection with paper:

"A study has been made of a tearing test machine submitted to the Paper Section. It appears to indicate that the readings obtained are affected by the length and breadth of the sample of paper by the rate at which pressure is applied, by the length of the fibers, and also by the condition of the end of the same, that is, whether it is clamped or left loose. A further study proposed to show the effect of fabric assistance of the paper and to show the relation of tests made on this machine to those conducted

on similar or other testing machines, will be undertaken.

"A large number of samples of paper have been stored at the Bureau of Standards, and tests are being made by the Paper Section to determine the deterioration of this paper. Samples tested in March, 1909, have been obtained and the tests made now will be compared with those conducted 10 years ago. Preliminary results on the rosin content of 20 samples shows an increase of 20 per cent in the amount of alcohol extract. This great increase may be due to the change of method in extracting rosin. Preliminary tests on the bursting strength of 40 samples of paper show a decrease of approximately 27 per cent in strength, which, however, may be due in part to errors in the former method of testing. This investigation will be continued and it is hoped to show the relative deterioration of paper made of various fibres and containing different fillers and sizing materials.

Urges Printers to Conserve Paper

Senator Smoot, chairman of the Congressional Joint Committee on Printing, has just sent the following interesting communication to the Public Printer, urging the latter to conserve paper:

"On account of the present labor situation and the increasing difficulty to obtain a sufficient quantity of paper for essential Government printing, you are hereby authorized and directed, until further notice, to execute only such printing and binding as may be absolutely necessary and shall so be certified by the head of the department or independent establishment of the Government ordering the same.

"You are further directed to carefully examine all manuscripts submitted for printing and to immediately call the attention of the committee to any apparent duplication or waste in the public printing and binding before executing any part of the same. This direction is intended to prevent any neglect or delay in printing which is absolutely necessary at this time, as provided for in Section 11 of Public Act No. 314, 65th Congress."

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Each Barrel is made with 12 uniform interchangeable fibre staves, making a package that can be shipped, knocked-down and used for repeated transportation.



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Pure, anhydrous, in improved and convenient packages.

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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

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WANT AND FOR SALE ADVERTISEMENTS

HELP WANTED

THE NEW YORK State College of Forestry, at Syracuse, in developing its course in Paper and Pulp Manufacture, wishes to secure the services of two men; one a graduate chemist who has specialized in paper chemistry, the other a practical paper and pulp man, who is thoroughly familiar with the mechanical and chemical processes for pulp manufacture, paper mill machinery and paper mill management. Both men should be interested in teaching and should be able to arouse interest and enthusiasm in their students and to develop the work on their own initiative. Candidates are requested to give a full statement of their training and experience and should furnish full references. The College will gladly answer inquiries. N-27

MIDDLE STATES MILL has opening for Backtenders. Good chance of advancement for reliable men. Three-tour system. Furnish references when making application. This position is on straight Fourdrinier Machines. Address, Box 1708, care Paper Trade Journal. N-20

WANTED—One Head Beaterman. Two-tour mill. Water Finish Fibre. Must know colors. Address, Box 1695, care Paper Trade Journal. N-13

WANTED—Two Backtenders. Two-tour mill. Machines running on Water Finish Fibres. Address, Box 1696, care Paper Trade Journal. N-13

WANTED—Cylinder and Fourdrinier Tenders in Mill making rope and jute specialties. Eight-hour shift; steady work; good pay. Time and a half for overtime. Married men preferred. Address, Box 1711, care Paper Trade Journal. N-13

WANTED—By Philadelphia Paper Mill, an experienced beater engineer on rope and jute stock. Also a good backtender for a Cylinder Machine, two tours. State full particulars, experience, age, etc. Address, Box 1712, care Paper Trade Journal. N-20

A YOUNG, AGGRESSIVE and responsible sales agency seeks permanent mill connections, particularly with manufacturers of Kraft and Book. Address, Box 1482, care Paper Trade Journal. N-13

WANTED—First-class envelope Die Cutter to have charge of our cutting department. Two presses. Applications by letter held in strict confidence. Address, The Envelope Corporation, 560 Mission street, San Francisco, Cal. N-20

WANTED—Practical Superintendent for one-machine Binders Board Mill. Must be good at repairing and upkeep. Good pay to a man who will show results. If you are interested, come see the mill and talk with us. Wascu Mills Co., Glastonbury, Conn. N-27

WANTED—Machine tender for 64" Fourdrinier making Kraft. 62½ cents per hour. Wire applications. Yellow Pine Paper Mill Co., Orange, Texas. N-13

WANTED—Assistant Superintendent. Must have filled that position in mill making good grade of book paper. Good location. Give experience, references, etc. Address, Box 1689, care Paper Trade Journal. N-13

WANTED—Superintendent for mill making good grade of book paper. Must be thoroughly familiar with Super Calendering. Good opening for the right man. State age, experience and salary desired. Give references. Address, Box 1690, care Paper Trade Journal. N-13

WANTED—Experienced Mill Manager, one familiar with Fourdrinier and Cylinder specialties, also with ability to handle general sales. Address, Box 1577, care Paper Trade Journal. N-13

SUPERINTENDENT—With twenty years' experience on News and Hanging, open for position. Capable and efficient. Best of references. Prefer Mill with ground wood attached. Address, Box 1564, care Paper Trade Journal. N-27

HELP WANTED

WANTED—Cylinder Machine Tenders for machine making tissue specialties. None but A-No. 1 men need apply; good wages paid. Mill located in good town near large city. References are required. Address, Box 1725, care Paper Trade Journal. N-20

ANTED—Two experienced back tenders for paper mill making tissues; good wages paid. None but A-No. 1 men need apply. References are required. Address, Box 1726, care Paper Trade Journal. N-20

WANTED—An A-1 Millwright with Paper Mill experience. State experience and salary wanted. Address, Box 1727, care Paper Trade Journal. N-27

WANTED—One Mason familiar with paper mill work, lining digesters, boiler settings, formulas, etc., state experience, salary wanted. Address, Box 1728, care Paper Trade Journal. N-27

WANTED—First-class super-calendar man for Glazine and Book papers. State experience. Address, Box 1729, care Paper Trade Journal. N-20

WOOD PULP—Salesman thoroughly acquainted with imported and domestic pulps. Only men of high class and proven ability need apply. Address, in confidence, Box 1730, care Paper Trade Journal. N-13

LARGE IMPORTING HOUSE desires the services of Pulp Man. One familiar with importing and capable of selling to Domestic Mills. Please state experience and salary expected. Address application to Box 1731, care Paper Trade Journal. N-13

WANTED—Stock-keeper. Man familiar with mill supplies. Correspond. Box 56, Gordon, Ga. D-4

WANTED—Super-calendar men, either experienced or beginners. Good wages. Steady work. Excellent conditions. Apply, Dill & Collins Company, Richmond and Toga streets, Philadelphia. N-13

MACHINE TENDER AND BACK TENDER wanted for 72-inch slow running Book machine. Mill located in 45th Ward of Philadelphia. All first-class city advantages. R. T. Moorhouse Paper Co., Bridge and Thompson streets, Bridesburg, Philadelphia, Pa. N-13

WANTED—Engineer-Machinist, all around repair man experienced in paper mill operation and repairs. Mill located in 45th Ward of Philadelphia. All first-class city advantages. R. T. Moorhouse Paper Co., Bridge and Thompson streets, Bridesburg, Philadelphia, Pa. N-13

DRAFTSMAN WANTED at once for position in Canada; a thoroughly experienced man, familiar with the design of Fourdrinier and Cylinder machines. Must be A-No. 1, capable of acting as squad boss and producing results. Also first-class man for development work on Paper Machine design, must have had previous good experience. Apply in writing, giving full details, experience and salary expected, to Mechanical Engineer, Dominion Bridge Company, Limited, Montreal, Canada. N-20

POSITION OPEN for Rag Room Superintendent. Must have experience and be familiar with the sorting of rags used in the manufacture of high grade bond and ledger papers. Address, Box 1738, care Paper Trade Journal. N-13

SITUATIONS WANTED

WANTED—Position as Superintendent. Twenty years' experience. Understand all Acid Systems and latest methods of cooking, and have thorough knowledge of bleaching. I know my business and am qualified to build, equip or reorganize any existing plant. A personal interview will enable me to submit further details. Best of references. Married. Address, Box 1697, care Paper Trade Journal. N-13

SITUATIONS WANTED

WANTED—A position as Manager. Is your coating plant yielding the results that you have a right to expect from it? Are you producing costs down to their absolute minimum with a maximum of production? If not, why not cut down, save waste and eliminate unnecessary labor? My twenty-four years' experience in the manufacturing of all grades of coated paper, coupled with a sound business training, have equipped me to put my finger on the weak spots, stop the leaks and build up your coating plant to this maximum efficiency. I know my business thoroughly and am qualified to build, equip and develop any new coating plant or reorganize any existing plant and put it on a paying basis. As manager of your Coating Department, I will be a distinct asset to your organization. I am at present employed, but have the best of reasons for desiring to make a change. A personal interview will enable me to submit further details. Address, Box 1625, care Paper Trade Journal. N-20

PAPERMAKER wants situation as Manager, Superintendent or Assistant Superintendent; over 25 years' experience in good English Mills, as Beaterman, Beater Foreman, Machine Man, Machine Foreman, Color Specialist and Manager. Used to all grades of colored and whites. Fourdrinier and M. G. papers. Wood, Grass, or material, also Tissue specialties down to 5 pounds D. C. Good mechanical knowledge, through the mill man. Address, Box 1714, care Paper Trade Journal. N-20

SUPERINTENDENT desires to make a change. Up-to-date on Cylinder, Fourdrinier and Yankee paper machines. Experience on dry and water finish. Kraft and Tissues for waxing. Address, Box 1688, care Paper Trade Journal. N-13

CONSTRUCTION SUPERINTENDENT—Young man with ten years' experience both new and remodeling work. Proficient in laying out and erecting frame, brick and concrete construction, specializing in reinforced concrete. Familiar with paper mill equipment and erection. Experience gained with leading architects and builders. Will cheerfully refer interested parties to past and present employers. At liberty January first. Interviews solicited. Address, Box 1716, care Paper Trade Journal. N-13

SULPHATE OR SODA MILL SUPERINTENDENT—Chemical Engineer at present engaged with large pulp and paper company, desires to improve position. Twelve years' chemical, constructional and operating experience in British and Canadian Pulp and Paper Mills. \$2,500 to commence. High recommendations. Address, Box 1718, care Paper Trade Journal. N-20

SUPERINTENDENT, now employed, desires to make change. Well up-to-date on all grades of boards and specialties. Can furnish best of references. Address, Box 1724, care Paper Trade Journal. N-13

CHEMICAL ENGINEERING STUDENT graduating February, 1920, wishes to enter pulp and paper industry. Western United States or Canada preferred. Position with promising future, not mere routine work, desired. Address, Box 1719, care Paper Trade Journal. N-13

SALESMAN, age 30, married, seeks connection preferably with mill or reputable jobbing house in selling or executive capacity. Will go anywhere. Nine years' mill experience covering all grades paper, paper board, specialties. Well posted qualities, grades, values and have wide acquaintance among trade, best of credentials. Address, Box 1732, care Paper Trade Journal. D-11

WOOD PULP SALESMAN, age 29, seeking another connection. Eight years' sales and executive experience. Entirely conversant with all grades of Foreign and Domestic pulps. Thoroughly familiar with requirements of and well acquainted with paper mills throughout entire United States. Have excellent following. Will travel. Capable assuming entire charge of Pulp Department and producing results. Unquestionable references. Address, Box 1734, care Paper Trade Journal. D-11

SITUATIONS WANTED

YOUNG MARRIED MAN with 12 years' experience on Cylinder machine making chip, manilla and all kinds of test board and asbestos roofing and felt roofing. Can furnish best of references. Address, Box 1733, care Paper Trade Journal. N-27

SUPERINTENDENT or Machine Tender or Millwright Boss wants position. Nine years' experience, Paper Mill work. Will take road job selling paper. Just returned from Air Service, United States Army. If you need a man rush answer. Address, Box 1737, care Paper Trade Journal. N-13

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FOR SALE—One Ryther Pulp Shredder, in first-class condition; used about six months. Address, Box 516, Niagara Falls, N. Y. tf

FOR SALE—Two absolutely new 17" x 22" Ohio Cultivator Baling presses equipped with friction clutches. Piermont Paper Company, Piermont, N. Y. tf

MILL FOR SALE—Excellent location 72-inch Two-Cylinder Machine. Capacity 10 to 12 tons. Real opportunity for interested parties. Reply, Box 1736, care Paper Trade Journal. N-13

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One (1) 76-inch Downingtown duplex cutter with duplex slitting attachment.

Two (2) No. 2 Claflin Engines.

THE SHARTLE BROS. MACHINE CO.,
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FOR SALE

BOARD MACHINE—Six cylinder 36" x 80", 5 baby presses, three presses, 61 dryers, two stacks calenders, duplex cutter and Marshall drive.

PAPER MACHINE—1 72" Fourdrinier, two presses, 15 dryers, 36" x 60", Marshall drive.

BOARD MACHINE—Five cylinders, 30" x 72", three presses, 23 dryers, 36" x 66", calenders, cutter and Marshall drive.

PULP DRYING MACHINE—Two molds, 30" x 77", three presses, 37 dryers, 48" x 68", Marshall drive.

MACHINE CALENDERS—1 84" nine roll, 1 82" nine roll, 1 72" nine roll, 1 68" five roll, 1 48" five roll, 1 37" five roll.

SUPER CALENDERS—1 62" Norwood, 1 60" Norwood cotton rolls, 1 53" Holyoke, 1 45" Norwood, 1 43" Holyoke.

SLITTERS AND WINDERS—1 127" Kidder, 1 108" Kidder, 1 102" Langston, 1 60" Kidder, 1 38" Kidder.

PAPER SHEET CUTTERS—1 112" Finlay, 1 108" Horne, 1 104" B & C, 1 84" Beloit duplex, 1 62" Horne, 1 53" Finlay, 1 48" Finlay, 1 42" Finlay.

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

BEATERS—2 52" x 52" Hornes, 1 53" x 52" Emerson, 1 48" x 48" Horne, 1 48" x 48" Downingtown, 1 48" x 66" Umperston, 1 No. 1 Claflin.

JORDANS—1 Jones Wagg Majestic with base, 1 Emerson "Special," 1 Noble & Wood with base, 1 Emerson with base, 2 Smith & Winchesters without base.

PUMPS—1 Deane triplex power water pump 10" x 10", 2 Deane triplex stuff pumps, 8" x 8", 2 Pusey & Jones double stuff pumps 6" x 10", 1 10" Worthington centrifugal, 3 4" centrifugals, 3 3" centrifugals.

SCREENS—2 ten plate packers.

WET MACHINE—2 84" Sandy Hill Iron & Brass, 1 72" Bagley & Sewall hydraulic.

BOARD CALENDER—1 Horne two rolls, 48" x 48".

FRANK H. DAVIS

175 Richdale Ave., Cambridge, Mass.

FOR SALE

FOR SALE—One Hudson-Sharp Toilet Paper Machine, 72-inch. Inside measurement of mandrell, 1 1/2 inches. New machine, never used, in original case as received from factory. Also Hudson-Sharp Roll Tightener. Immediate delivery. Address, Box 1739, care Paper Trade Journal. tf

FOR SALE—Super Calender, five-roll stack, 45" face. Two Daniel's Rag Cutters, No. 2. Address Mars Paper Corp., Westfield, Mass. O-23

FOR SALE—Two sulphite beaters 12 x 40 feet, and one Vesuvius 1800-pound sulphur burner, all new. Address, Peshtigo Pulp and Paper Co., Green Bay, Wisconsin. N-8

FOR SALE—Binders and Leather Board Mill with water power site, in New England. Forty acres of land and buildings for employees. Mill running at present. Address, Box 1705, care Paper Trade Journal. O-30

MISCELLANEOUS

TOILET ROLL MACHINE WANTED—State full particulars. Address, Box 1735, care Paper Trade Journal. N-13

WAXED PAPER—The only proper paper to wrap up food or sweetmeats in, or articles of polished metal, etc., totally without smell or taste-proof against water or grease—no chloride, acid or rust—can be supplied in any quantity or thickness, in rolls or sheets or in rolls specially adapted to mechanical wrap pers. Emil Schwander and Company, Chemnitz-Furth, Saxony, Manufactory of water proof paper and materials. Founded 1869. N-12

ANTED—Any information as to the whereabouts of John Spellman, machine tender. Will be greatly appreciated. Last heard of in Ontario, Canada.

WANTED—Two second-hand baling presses, suitable to bale about 300 or 400 pounds to the bale. Send full information to the Paper Trade Journal, care Box 1722. N-13

CYLINDER MOLDS, tanks and head boxes, plain dandy rolls, Brass wire cloth. Fine seams for tissue paper a specialty. We put them on tight. Address Clark Mfg. Co., 79 Merrick avenue, Holyoke, Mass.

WANTED

2 Bag Machine Tenders.
2 Bag Pressmen.
2 Bag Balers.
Good Pay—
Rapid Advancement.

THE CONSOLIDATED PAPER BAG CO.,

Boynton Yard, Somerville, Mass.

N-13

WANTED

Partner or investor in successfully operated plant located in New England with offices in New York. Fifty to one hundred thousand dollars required for extensions and enlargement of business. Product has an established reputation for quality.

Address, Box 1723, care Paper Trade Journal. N-20

MISCELLANEOUS

YOUR OPPORTUNITY

Wanted **TWO FIRST CLASS SALESMEN. MUST BE ABLE TO SELL PAPER BAGS and TOILET PAPER.** One with Headquarters at Chicago and one to travel Eastern Territory. Salary commensurate with your **ABILITY.** H. Norwood Ewing Co., Woolworth Building, New York City.

NEW GRADES—We have satisfactorily represented two mills in Boston for four years and have the best of facilities, storage, location and personnel, augmented by late returns from France, to handle the account of another mill. If you have a grade you want thoroughly introduced in Boston, write us. Our service is less expensive and more productive of results than having a traveling man visit this territory. Write NEMA, care Paper Trade Journal.

WANTED—Used Paper Baler. State make, size and capacity. Address, Box 1721, care Paper Trade Journal. N-6

FOR SALE

BEATERS—One 61" x 48", five Jones, one Downingtown, two Horne, one 60" x 60", several 72" x 44", two Claflin Refining Engines.

BED PLATES—Circled to diameter of roll. **CALENDERS**—One 7 roll stack 72" face, two 9 roll stacks 72" face, one 9 roll 63" face, one 9 roll 84" face.

COATERS—Two 58" Valdron coaters. **CUTTERS**—Two 45" Finlay cutters newly rebuilt with brand new Hamblet expansion pulley drive, 36" Sanborn cutter, 38" guillotine cutter.

CYLINDER MOULDS—One 30" x 54", one 30" x 64", both rebuilt, ready for quick shipment. One new 30" x 92".

DRIVES—One Reeves No. 4, Class E, one Reeves No. 9, Class E, one Moore & White No. 10.

DRYERS—4 36" x 54", 8 36" x 62", 7 48" x 108", 2 36" x 66", 1 36" x 76", 1 24" x 120", also twenty brand new shells 48" x 96", and ten new shells 48" x 102".

EVENERS—Two Mellor eveners. **JORDANS**—1 Mammoth Jr., several Emerson and Horne type Jordans.

MACHINES—One 2 cylinder machine for 56" trim, 23" dryers. One 72" Harper four-drinier.

PULLEYS—One 37" dia. 34" face, double arm, modern pulley. One set cone pulleys, 40" x 31" x 78" face. One set cone pulleys, 40" x 31" x 78" face. Also large stock of iron pulleys, including some cone pulleys for Marshall drives. New wood pulleys with friction clutches.

PUMPS—One dry suction pump, single vacuum, 12 x 22 x 18 Knowles, one 1,000 gallon Blake tank pump, several 7" and 8" Lawrence Machine Company, Class A, high duty pumps; fan pumps, new stock pumps, single and double.

PRESS ROLLS—Large number of different sizes on hand. Some suitable for rubber covering.

ROTARIES—One 14' Globe, one 84" x 28" horizontal in good condition, ready for immediate shipment.

REELS—Two Bagley & Sewall, one two bowl upright, one ten bowl revolving, bowls 48" face. Also several new reels now under construction. State the width you require.

RAG CUTTERS—One Daniels No. 2, 12 1/2" knife; one Rice, Barton & Fales with 12" knife, newly overhauled and ready for quick shipment.

SCREENS—Two 6 plate Success, newly overhauled, 6 Ruth centrifugal, 6 Voth centrifugal.

WET MACHINES—One 74", one 72" and one 84".

WINDERS—One 72" single drum, one Manning 74". Our stock is constantly changing. Advise us of your wants.

MILLS MACHINE COMPANY,

LAWRENCE, MASS.

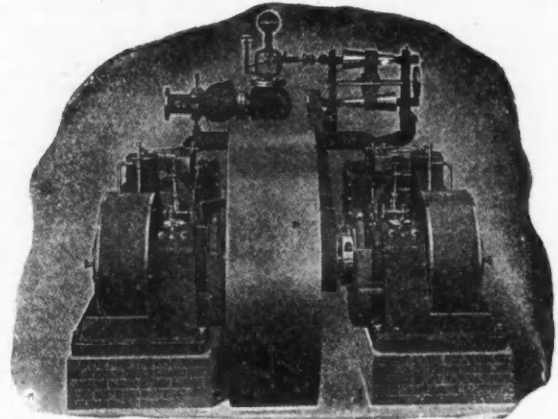
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Before Buying Pulleys and Belting Ascertain HOW "MORSE" DRIVES will SAVE, CONSERVE POWER AND INCREASE PRODUCTION.

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

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

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

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

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

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.

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for 1920

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

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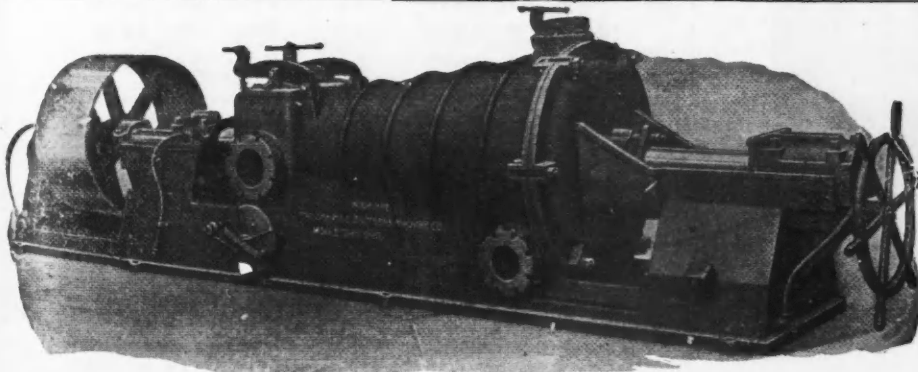
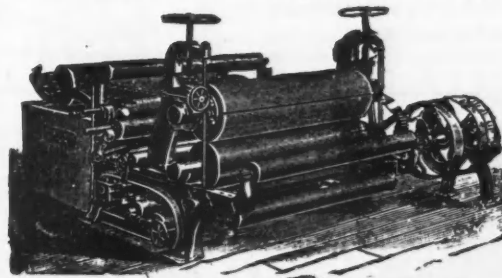
Reels

Dryers with Improved Packing Boxes

Wet Machines

Gun Metal and Rubber Rolls

Rolls Reground



The
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Bleached Sulphite Pulp

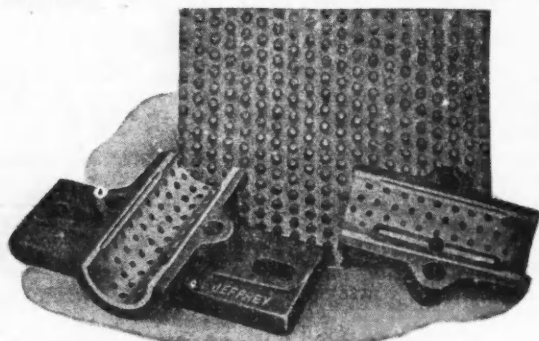
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RANDALL GRAPHITE SHEET LUBRICATOR



ENABLES you to utilize all the advantages, and economies of graphite and is incorporated in babbitt bearings as they are poured, without changing the construction in any way—preventing hot bearings—eliminating shutdowns, loss of production, cost of frequent rebabbiting, running bearings three to four times longer than plain babbitt.

This lubricator is being used in the bearings of Jordans, Calenders, Dryers, Beaters, Rag Cutters, Pumps and Transmission.

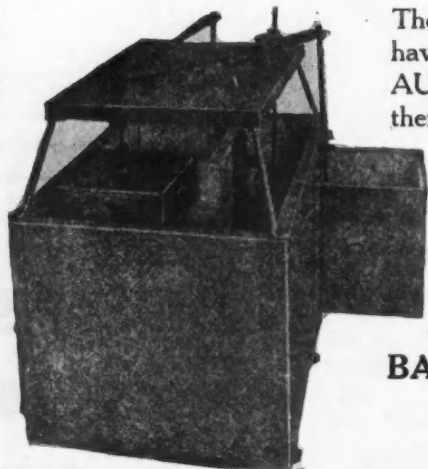
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WE specialize in durable Fourdrinier
Wires and Cylinder Wires in any
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in plain woven, double warp, triple chain,
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Save two-thirds the cost and three-quarters
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Producers of the Highest Grade
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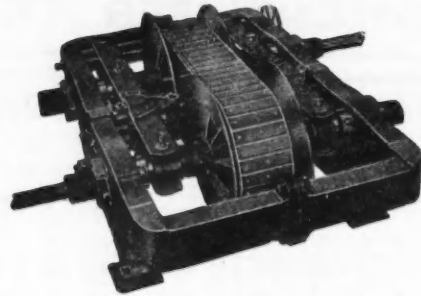
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The absence of Speed Control on your Paper Machinery means leakage in profits.

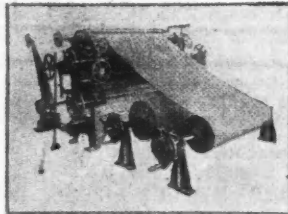
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STOPS THIS LEAKAGE

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Machines for cutting and rewinding rolls of paper. We build all width machines to handle any weight or thickness paper and any size rolls.

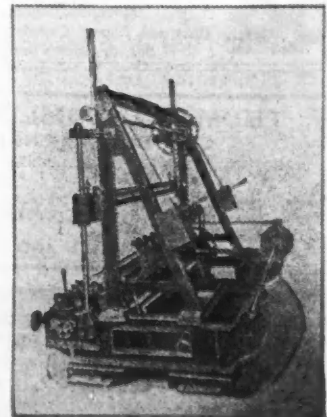
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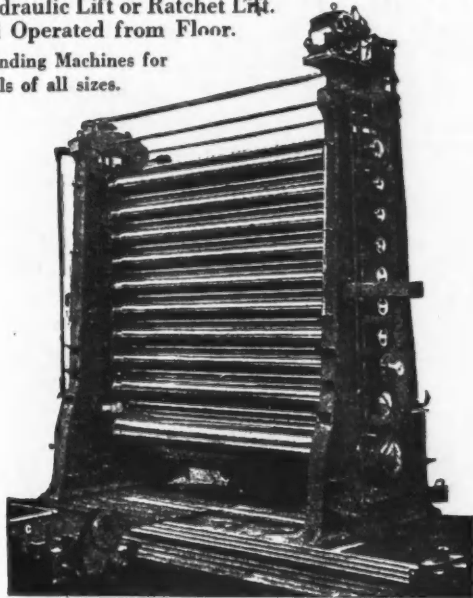
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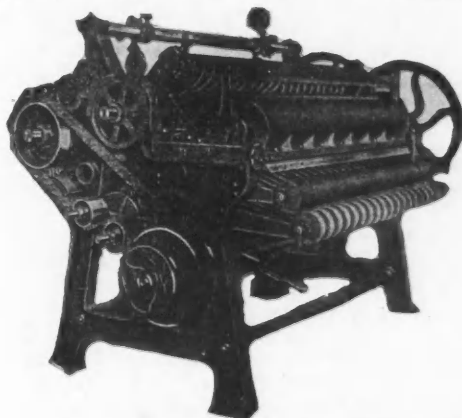
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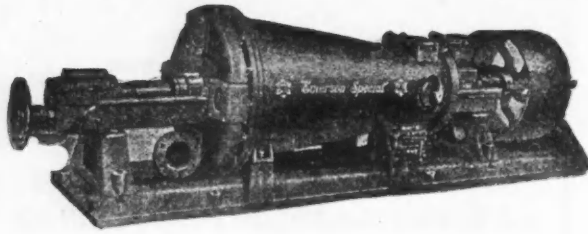
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They seldom wear out and are never thrown out.
PERFECT CIRCULATION NO "PADDLING."

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Acid Proof Wood Pipe

Paper mills throughout the country have found that the merciless test of time and use have proven the superiority of WYCKOFF ACID PROOF WOOD PIPE.

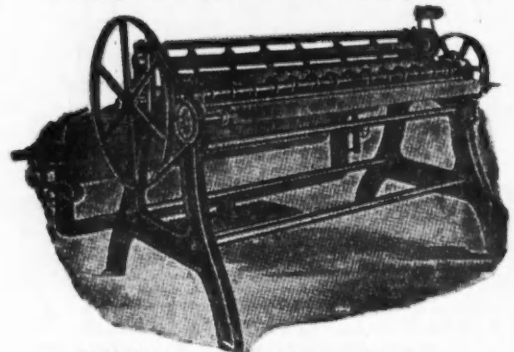
With its enduring asphalt insulation, its steel bands that bind the wood into one impervious whole—small wonder that WYCKOFF Pipe has become a "buy-word" in the paper and pulp field.

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The "Dietz" Toilet Paper Machines

For making Toilet Paper Rolls with or without perforations



Self-Adjusting—Easy to Operate
WE ALSO MANUFACTURE

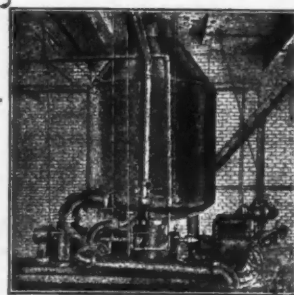
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CAPACITY—12 TO 15 TONS IN 24 HOURS

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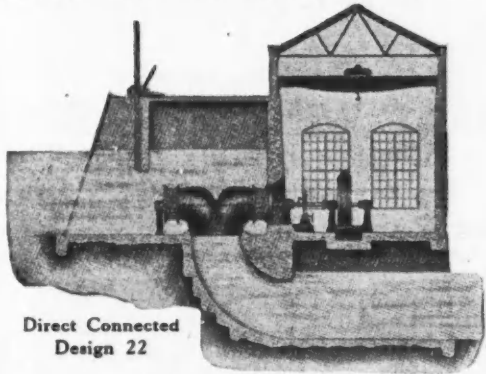
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Direct Connected, Driving Generators, Pulp Grinders, Milling Machines, Pumps, Etc.

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Direct Connected
Design 22

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*Largest Manufacturers
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CHILLED ROLLS



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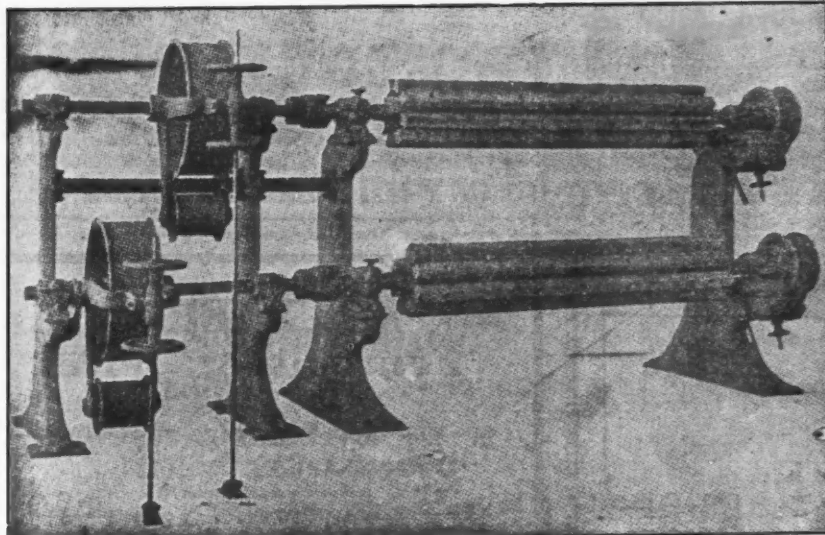
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THE BLACK-CLAWSON CO. HAMILTON OHIO, U. S. A.

Builders of Paper and Pulp Mill Machinery



Sheet and Roll Pasting Machines

We issue a Catalogue which contains real information. Write for it.

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our high speed Straight Fourdrinier, Harper Fourdrinier and Cylinder Machines are unsurpassed.

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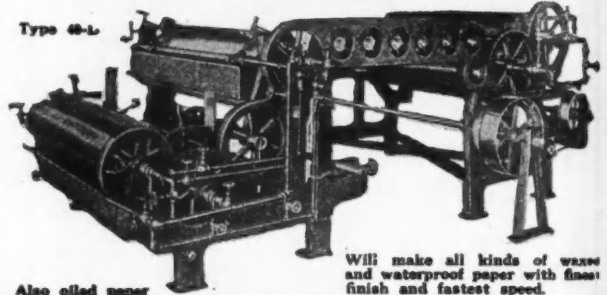
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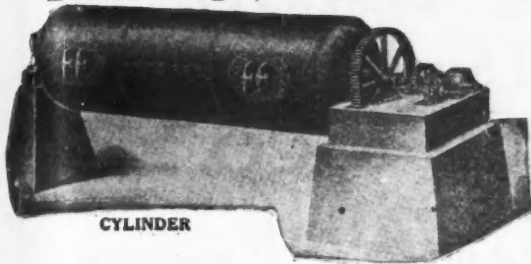
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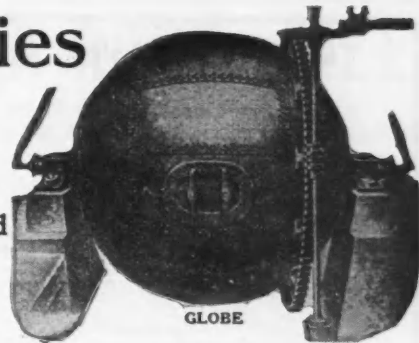
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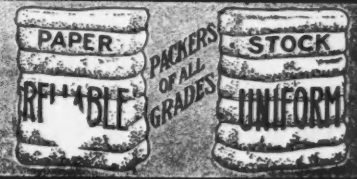
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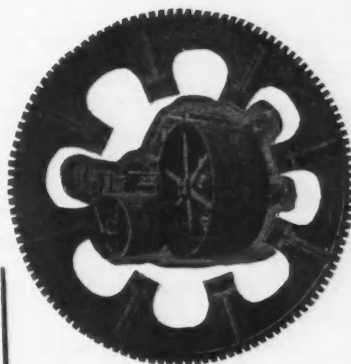


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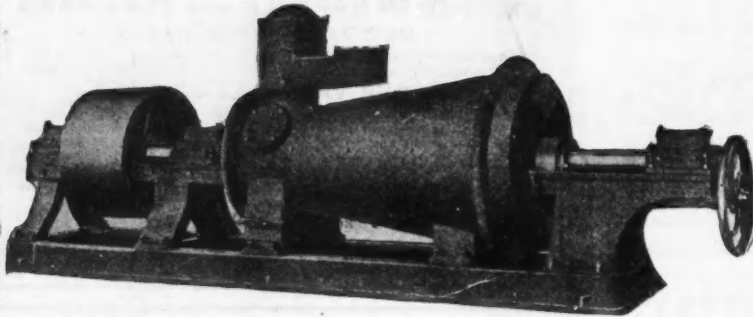
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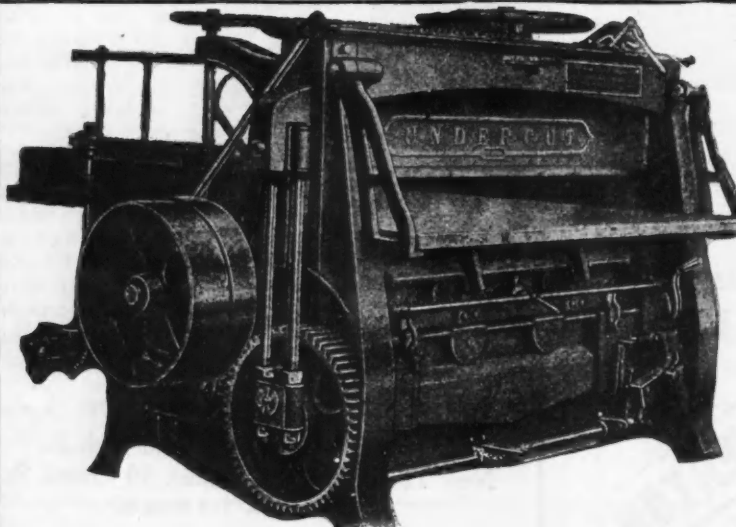
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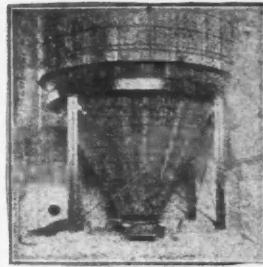
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