

PAPER TRADE JOURNAL

THE INTERNATIONAL WEEKLY OF THE PAPER AND PULP INDUSTRY

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NEW YORK AND CHICAGO, JULY 1, 1920

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even when the domestic market slumps; if you prepare for it. It is worth talking over with

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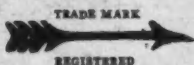
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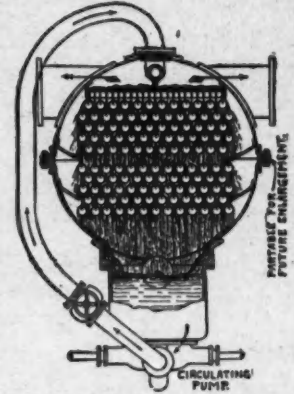
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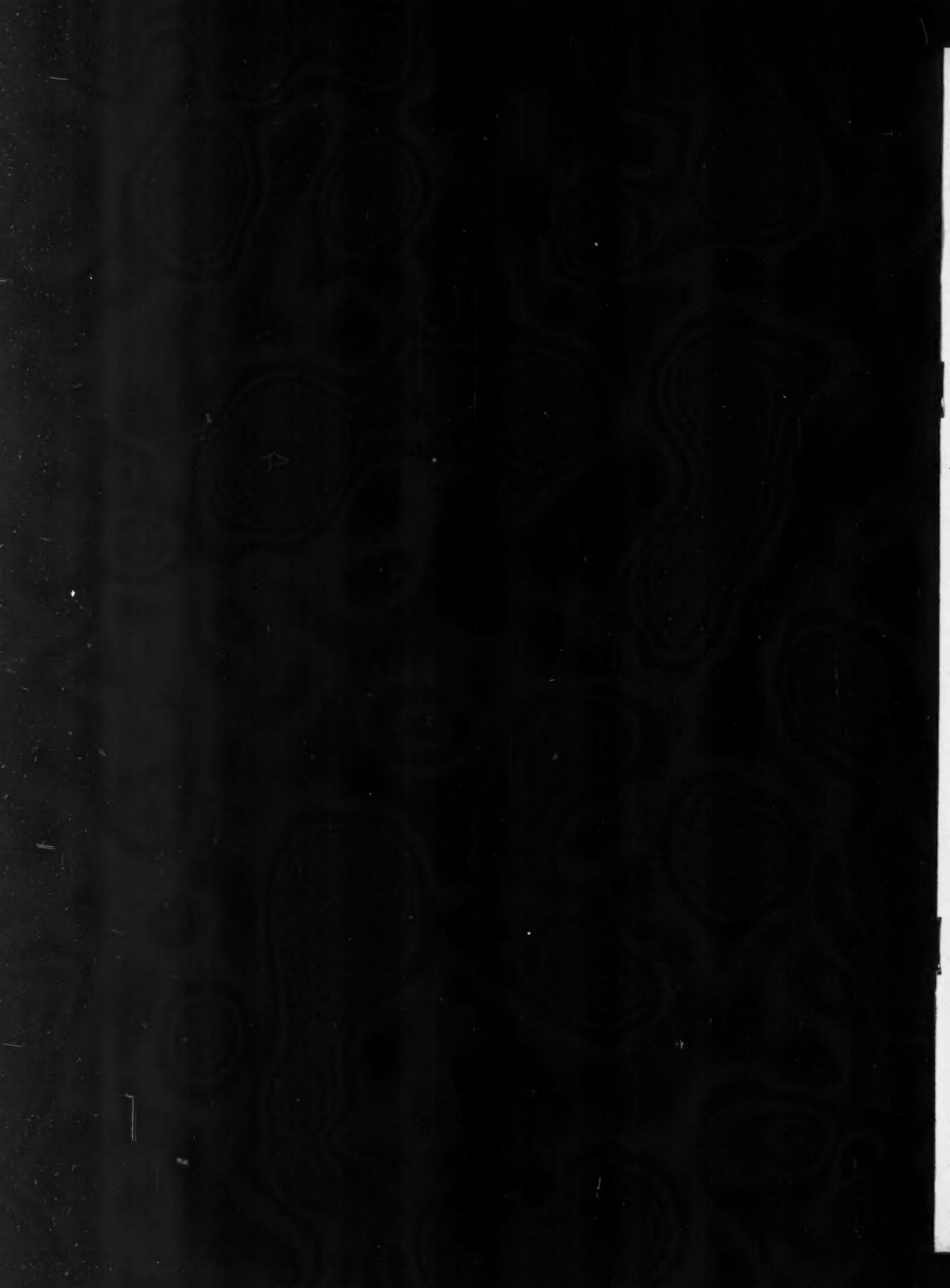


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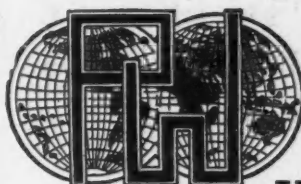
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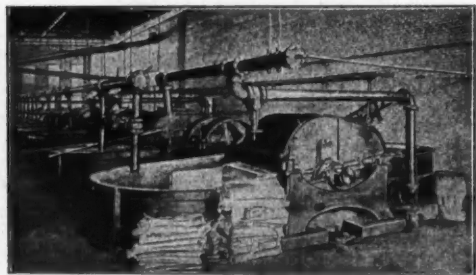
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We also furnish the best rubber covers
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The Illustration Shows a Typical Dilts Equipment in the Beater Room of One of the Largest Boxboard Mills in the United States

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Beating Engines ALSO
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Spruce and Poplar Ground
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Extra Strong, Long Pure
Sulphate Fibre

Daily Capacity 120,000 Pounds

KRAFT WRAPPING SHEATHING PAPERS

Daily Capacity 45,000 Pounds

The Dryden Pulp & Paper Co., Ltd.
Dryden, Ontario, Canada

A large advertisement for paper featuring a blimp and various paper products. The blimp is the central focus, with the text "MAURICE O'NEARA CO. NEW YORK" and "65 YEARS HEADWAY" written on its side. Several smaller blimps or balloons are scattered around, each with text: "THE I. R. RESPONSIBLE PAPER", "THE U. N. DESIRABLE PAPER CO.", "THE U. N. STABLE PAPER", and "WAR BUBBLE PAPER". In the background, a factory with smoking chimneys is visible. In the bottom right corner, there is a text box with the following content:

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EXPORT - IMPORT
Foreign Branches
London.....Paris

GOOD
BUSINESS POLICY
demands that you select your
MEDIUM OF
DISTRIBUTION
on the basis of
DEPENDABILITY
and
EXPERIENCE



Bayless Manufacturing Corporation

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PULP AND PAPER MILLS AT AUSTIN, PA.





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Cover Paper, Bags, Ice Cream Pails, Egg Boxes,
Folding Boxes, Glassine, Parchment, Grease-proof,
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Selling to Jobbers, Converters and Exporters Exclusively
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For Every Grade of Paper and Pulp

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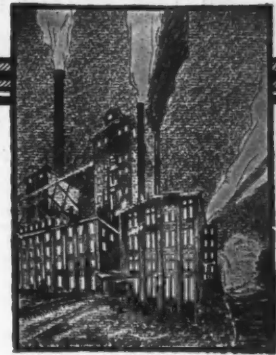
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Felt cost is low considering dryness obtained.

Ball bearings for cylinder mould and couch roll.

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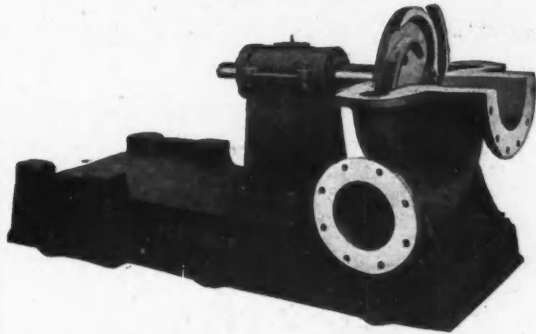
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Frederick Pumps Are Giving Excellent Service in Some of the Largest Paper Mills in the World.

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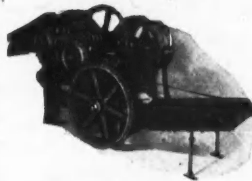
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MEMBER OF THE A. B. C.

PAPER TRADE JOURNAL

THE INTERNATIONAL WEEKLY OF THE PAPER AND PULP INDUSTRY

FORTY-NINTH YEAR

PUBLISHED EVERY THURSDAY BY THE

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Thursday, July 1, 1920

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CANADIAN TECHNICAL SECTION MEETS

Annual Summer Convention of the Association Is Held at the Mills of the Spanish River Pulp and Paper Mills, Limited, and Is an Unusual Success—Espanola Paper Mills Also Are Visited as Well as Other Interesting Points on Pleasant Excursion—Thomas J. Keenan, Secretary, Represents Technical Association of Pulp and Paper Industry

[FROM OUR REGULAR CORRESPONDENT.]

MONTREAL, Que., June 30, 1920.—The annual summer convention of the Technical Section of the Canadian Pulp and Paper Association was held June 21-25 and was an unusual success. The party, numbering about 45, started from Montreal on a special train, leaving Montreal at 8.45 Monday morning.

They were met at Sudbury, Ontario, Tuesday noon, by a committee of the Spanish River Pulp and Paper Mills, Limited, at whose plant the convention took place. At 5.45 o'clock that afternoon the men arrived at Sault Ste. Marie, where they supped in groups at the various hotels in town. From 7 to 9 P. M. the men, in several automobiles, took a trip to points of interest in and about the Sault, including the boat club, schools, Canadian Locks, etc., which they thoroughly enjoyed. From 9.30 to 12.30 o'clock at the Assembly Hall in the general office building of the Spanish River Pulp and Paper Mills, Ltd., motion pictures were exhibited. Four reels showing the most extensive pictures of wood operations, from the felling of the trees in the forest to the final finished product—news print—kept the men interested for three hours, although the varied processes of paper making are well known to the visitors.

Business Meeting Wednesday

Wednesday morning, June 23, at 10 o'clock, a business meeting was held at the Assembly Hall. After the chairman, L. H. Shipman, called the meeting to order, he gave an informal address, welcoming the men at the convention.

Then Howard S. Taylor, chief engineer of the Management Engineering and Development Company, of Dayton, Ohio, presented a paper on "Gypsum Roofs for Paper Mill Machine Rooms." A specimen block of gypsum plaster, consisting approximately of 82 per cent calcium sulphate and 12 per cent wood fibre, was passed around among the members.

Dr. Ralph H. McKee, of Columbia University, then read his paper on "Waste Sulphite Liquor Utilization." Dr. McKee presented, in conjunction with his treatise, figures which proved of much interest to his audience.

Reports of Committees

Following these papers, reports of the various committees were made, as follows: Education, chairman, T. Linsey Crossley; Testing Moisture in Pulp, chairman, E. B. Slack; Abstracts and Publications, chairman, J. N. Stephenson; Mechanical Standards, chairman, J. Stadler; Chemical Standards, chairman, A. G. Durgin.

In connection with the report of the committee on "Moisture Testing in Pulp," on motion of R. B. Wolf, of New York, a joint committee was appointed to consist of three members from the Canadian Technical Section and three members from the United States Technical Association, to report on a uniform method of determining the moisture content of pulp.

The last part of the meeting was taken up with new business. The meeting was adjourned about 12.30 o'clock.

Visit to Paper Mill

After the business session all adjourned to the mill lunch room for a light repast, but on the way over the group were photographed under the welcome arch on the grounds.

Following luncheon, a trip through the paper mill and

through the plant of the Algoma Steel Corporation occupied the attention of the visitors. While the men are familiar with paper mills, the steel plant and the manner in which it is operated were not so well known to them, and it was with the usual awe and wonder of the visitors that they looked upon the various mills of the steel plant through which they were escorted.

Around 5 o'clock the party boarded the steamer "Premier" for a trip through the locks and a short sail up the St. Mary's river. They closely viewed the roaring rapids, the great International Bridge, and obtained good views of the steel plant and paper company. The boat returned via the United States locks, and landed at the government dock, whence the party were conveyed to the Country Club for the banquet.

Banquet at Sault Ste. Marie

At 8 o'clock the all-important banquet, at the Sault Ste. Marie Country Club, took place, where the party enjoyed immensely a delicious nine-course dinner excellently served. Col. C. H. L. Jones, who was toastmaster, opened the banquet with a formal address of welcome on the part of the paper company. Mr. L. H. Shipman, chairman of the section, and Mr. George Carruthers, president of the Interlake Tissue Mills, replied. Mayor Farquhar then officially welcomed the men on behalf of the city of Sault Ste. Marie. He was followed by Judge Fred Stone, who gave a most interesting historical account of the settling of Sault Ste. Marie. Mr. Thomas J. Keenan, the last speaker, addressed the gathering, in a very able manner, on behalf of the American Technical Association of the Pulp and Paper Industry, of which he is the secretary.

Trip to Espanola

Directly after the banquet, automobiles conveyed the party to the train, on which they slept and which took them to Espanola.

On Thursday morning, June 24, after breakfasting, a trip through the Espanola mill was taken. At 11.30 A. M. the group, on a special train, left Espanola for Copper Cliff via the Algoma Eastern Railway.

Following luncheon at the Copper Cliff Club, the visitors inspected the International Nickel Company's smelting plant, where the widely known "monel" metal is smelted.

Then, at 4.30 o'clock, a special train for Sudbury was boarded, where they arrived at 5.30 o'clock. From Sudbury special sleepers attached to the C. P. R. were taken by the technical men for Montreal, on which dinner was served to them en route.

Novel Badge

The badge worn by the members and visitors was of a decidedly novel construction. It consisted of a thin circular slice of black spruce, about three inches in diameter, to which were affixed, by a red silk ribbon, a disc of ground wood pulp, a slightly smaller circular cutting of news print paper and a still smaller disc of sulphite pulp. On top of all four discs was a print bearing the words "Technical Association C. P. & P. A." and an oval picture of the Spanish River Pulp and Paper Mills at Sault Ste. Marie.

Handsome Souvenir Brochure

A handsome brochure entitled "The Soo," gotten out by

the Spanish River Pulp and Paper Mills, Limited, was given to every member of the party "as a reminder of the visit." This appropriate souvenir contained an historical survey of the settlement of Sault Ste. Marie and a brief story on the Spanish River Pulp and Paper Mills, Limited, follows. Throughout the booklet there is a profusion of beautiful photographs illustrating the industrial plants in the neighborhood, with a frontispiece of G. H. Mead, president of the entertaining concern, and a page devoted to the pictures of the executive of the Technical Section of the Canadian Pulp and Paper Association.

Those in Attendance

Following is a list of those present at the Summer Convention:

- V. Delvaux, F. Hollenry, F. Barnes, G. Moorborgen, of the Belgo-Canadian Pulp and Paper Company.
- C. D. Waters, D. L. McLeod, F. A. Garrett, F. L. Darrell, D. Boyer, N. D. Paine, Dr. J. S. Bates, of Price Bros. & Co.
- L. E. Kendall, T. E. Kess, R. W. Stearns, N. W. Davis, R. W. Hovey, Abitibi Pulp and Paper Company.
- C. A. Moyle and E. Slack, Riordon Pulp and Paper Company.
- C. Barlow, Donacona Paper Company.
- O. F. Bryant and Mr. Van de Carr, Laurentide Company.
- A. O. Bowness, E. B. Eddy Company, Inc.
- George Carruthers, Interlake Tissue Company.
- A. P. Costigane, Ontario Pulp and Paper Makers.
- F. C. Clark, American Writing Paper Company.
- E. G. Cameron, Forest Products Laboratory.
- Dr. Ralph H. McKee, Columbia University.
- A. A. Holmes, C. B. Badger & Son, Boston, Mass.
- J. N. Stephenson, editor Pulp and Paper Magazine of Canada.
- A. L. Dawe, secretary, Canadian Pulp and Paper Association.
- T. J. Keenan, secretary, American Technical Association of the Pulp and Paper Industry.
- D. Crabtree, Howard Smith Paper Mills, Limited.
- R. B. Wolf, R. B. Wolf of New York.
- B. Johnson, Hammermill Paper Company.
- Ross Campbell and Mr. Miller, American Writing Paper Company, Holyoke, Mass.
- J. Haugerod, Kipawa Fibre Company, Mattawa.
- Howard S. Taylor and Wm. Seper, Management, Engineering & Development Company.
- P. S. Church, the G. H. Mead Company.

To Build Big Box Factory at New Orleans

NEW ORLEANS, La., June 28, 1920.—Erection of a big factory for the manufacture on a large scale of corrugated paper boxes for both export and domestic use, will begin in New Orleans within the next few weeks. The Union Paper Products Company, a newly-organized concern, will build the plant.

A whole block of city property will be required for a site. A deal has just been closed for the block at Colapissa, Bernadotte, Oleander and Lowerline streets, and the erection of the building is scheduled to begin as soon as the material, already ordered, arrives.

The Union Paper Products Company is capitalized at \$300,000,000, and is headed by Sam Ohnstein, owner of the Smile Company, Inc., and secretary and treasurer of the Crescent City Cork Works. Other officers and members of the board of directors are: J. Levy, vice-president; Sidney L. Rosenbaum, secretary and treasurer; Jacob E. Hirschberg, superintendent; John Meyer, George W. Davidson, Harry Goodman, Joseph Chalona.

According to Mr. Ohnstein the greatest obstacle to the erection of the factory has been the difficulty in procuring the necessary machinery. Not until the last few days has it been possible to say that the machinery and some of the other material necessary will be delivered here to begin operations within a reasonable period.

Canadian Pulp for Spain

[FROM OUR REGULAR CORRESPONDENT.]

MONTREAL, Que., June 28, 1920.—The sailing of the SS. *Maple Court*, of the Canadian Government Mercantile Marine, from Quebec this week opens up a new market for Canadian pulps.

Some months ago the Spanish paper mills banded together as an organization to arrange for the selling of their products and also to increase their purchasing power. The association sent August Ramoneda to Canada to make a report on the qualities of Canadian pulps and the quantities available and to advise them as to the possibilities of securing their supplies from Canadian producers.

Mr. Ramoneda was so impressed by the possibilities in Canada that he immediately advised his principals to buy as much as possible. On account, however, of the scarcity of pulp only one-tenth has been secured of what is really required. The steamship *Maple Court* was chartered from the Canadian Government, and the first shipment is now on the way. The Spanish mills, which number 25, make all kinds of paper and consume about 65,000 tons of various kinds of pulp per annum.

Mr. Ramoneda is shortly returning to Spain, where it is his intention to extend his connection to other lines of Canadian produce, sending in return such products of Spain as oils, nuts and fruits.

Riverside Pulp Co. Reported Sold

[FROM OUR REGULAR CORRESPONDENT.]

SKOWHEGAN, Me., July 1, 1920.—According to the *Skowhegan Independent Reporter*, the property and water power owned by the Riverside Pulp Company of Skowhegan has been sold to the Central Maine Power Company, a verbal agreement having been made to that effect. The deal may terminate simply in a lease of the property and power with an option, however, to purchase at the end of a certain period. If this sale or lease is put into effect the Central Maine Power Company will then control all of the power along the Kennebec river to Skowhegan except that of the Savage concern lately sold to the Maine Pulp and Paper Company.

The Riverside Company, which is owned by John R. McClellan, Blin W. Page and Charles E. Young, is still making pulp, but this industry will probably be done away with. The horsepower is reckoned at between 700 and 800. It is probable that the manufacture of pulp will be continued at the plant of the Kennebec Pulp Company this side of the north channel bridge which was formerly owned by the Skowhegan Pulp Company. The Central Maine Power officials were in conference with the Riverside company here Saturday relative to the transaction.

Big Belgian Company Incorporated

[FROM OUR REGULAR CORRESPONDENT.]

MONTREAL, Que., June 30, 1920.—The list of corporations gazetted this week include the Belgo Paper Company, Limited, with office in Montreal, and capital stock of \$20,000,000. No information has been given out with regard to the personnel of this company, but it is believed that the Belgo-Canadian Pulp and Paper Company, of Three Rivers, is behind it. This company is financed by Belgian capital, and has its offices in Brussels. It is understood that a new Canadian company is being formed to take over the Belgian interests, but that there will be little change in personnel. The taxation now in force in Europe is forcing many companies operating here under European franchises to transfer to Canada.

Navy Department Awards

G. Elias & Bro. have been awarded the contract by the Bureau of Supplies and Accounts, Navy Department, for furnishing 60,000 square feet of wall board at \$2,700. Bids for this item were opened on June 15.

PRODUCTION OF WOOD PULP DURING THE MONTH OF MAY

Total Stocks of All Grades of Pulp in the Mills on May 31 Amounted to 183,876 Tons—Ground Wood Mill Stocks Equaled Slightly Less Than 34 Days' Average Output—News Grade Sulphite Mill Stocks Equaled Slightly Less Than Seven Days' Output—Bleached Sulphite Mill Stocks Equaled Slightly Less Than Three Days' Average Output—Stocks of Other Classes of Pulp.

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., June 30, 1920.—In connection with the Federal Trade Commission's current statistics of the paper industry a summary of the monthly reports from manufacturers of wood pulp and other kinds of pulp used in paper making is submitted herewith for the month of May, 1920. The table shows the kind of pulp, the stocks, production, pulp used and shipments for the month. The pulp shipped during each month represents only pulp shipped to a concern different from the one producing it. Loss of production is shown by giving the idle machine time reported by each company for each kind of pulp.

Pulp Production

The following is a tabulation of the production, pulp used by the company producing it, shipments to outside concerns, and stocks of finished pulp, in tons of 2,000 pounds on an air-dry basis, for May, 1920, compared with May, 1919, for the operating mills. The average production is based upon the reports covering the years, 1917, 1918, 1919 and the average stocks are based upon the stocks carried for the 18 months' period ended May 31, 1920:

	Number of Mills.	On Hand First of Month.	Production Month.	Used During Month.	Shipped During Month.	On Hand End of Month.
Ground Wood Pulp:						
May, 1920	168	126,693	172,341	132,665	13,396	152,973
May, 1919	162	175,026	144,146	118,129	8,692	192,351
Average			114,025			143,889
Sulphite, News Grade:						
May, 1920	64	18,248	71,422	63,507	10,610	15,553
May, 1919	62	28,346	52,740	47,491	7,162	26,433
Average			60,075			21,510
Sulphite, Bleached:						
May, 1920	32	4,754	50,010	26,652	23,816	4,296
May, 1919	31	16,320	39,994	21,538	18,324	16,452
Average			40,650			9,928
Sulphite, Easy Bleaching:						
May, 1920	7	574	6,896	3,615	2,997	858
May, 1919	8	2,930	6,421	3,518	2,914	2,919
Average			6,300			1,800
Sulphite, Mitscherlich:						
May, 1920	7	1,786	5,338	4,086	1,233	1,805
May, 1919	7	2,450	6,363	3,886	2,649	2,278
Average			6,325			1,730
Sulphate Pulp:						
May, 1920	21	4,368	18,799	11,262	7,769	4,136
May, 1919	22	7,091	12,848	8,943	2,509	8,487
Average			11,875			6,248
Soda Pulp:						
May, 1920	27	3,898	38,243	20,124	17,871	4,146
May, 1919	28	9,620	30,539	17,826	13,300	9,033
Average			30,400			6,054
Other than Wood Pulp:						
May, 1920	5	194	766	756	95	109
May, 1919	7	65	1,016	941	42	98
Average			950			175
Total for All Grades:						
May, 1920		160,515	363,815	262,667	77,787	183,876
May, 1919		241,848	294,067	222,272	55,592	258,051
Average			270,600			191,335

Total stocks of all grades of pulp in the mills on May 31 amounted to 183,876 tons. Mill stocks of ground wood pulp, easy bleaching sulphite, Mitscherlich sulphite and soda pulp increased during the month.

Loss of Production

The number of grinders and digesters showing lost time during the month of May, 1920, in operating mills was 406. These figures do not include the machines in two mills that were not in operation. The number of hours lost for various reasons is shown in detail in the following tabulation.

The time lost in May, 1919, is also shown by grades and reasons for purposes of comparison.

Grade.	Lack of Labor.		Repairs.		Other Reasons.		Total.	
	1920.	1919.	1920.	1919.	1920.	1919.	1920.	1919.
Ground Wood Pulp:								
Number of grinders	42	135	154	259	105	350	301	744
Total hours idle...	3,651	37,434	14,880	50,204	*9,812	75,936	28,343	163,574
Sulphite, News Grade:								
Number of digesters	0	17	11	28	29	80	40	125
Total hours idle...	0	4,886	762	5,982**	2,732	20,302	3,494	31,170
Sulphite, Bleached:								
Number of digesters	1	0	2	35	9	26	12	61
Total hours idle...	101	0	760	3,737	1,137	2,706	1,998	6,443
Sulphite, Easy Bleach:								
Number of digesters	0	0	0	1	3	11	3	12
Total hours idle...	0	0	0	22	207	895	207	917
Sulphite, Mitscherlich:								
Number of digesters	0	0	2	7	3	7	5	14
Total hours idle...	0	0	322	2,050	322	1,170	644	3,220
Sulphate Pulp:								
Number of digesters	2	1	5	3	9	40	16	44
Total hours idle...	180	324	195	264	1,666	6,156	2,041	6,744
Soda Pulp:								
Number of digesters	9	9	11	12	7	78	27	99
Total hours idle...	1,064	2,486	361	1,116	366	11,139	1,791	14,741
Other Grades:								
Number of digesters	0	0	0	0	2	7	2	7
Total hours idle...	0	0	0	0	340	2,048	340	2,048
Total:								
Number of grinders and digesters...	54	162	185	345	167	599	406	1,106
Hours idle	4,996	45,130	17,280	63,375	16,582	120,352	38,858	228,857

*Includes 5,201 hours due to water conditions.

**Includes 780 hours due to lack of coal.

Comparing the stocks on hand at the domestic pulp mills at the end of the month with their average daily production based on the reports covering the years 1917, 1918, and 1919, the figures show that:

Ground wood mill stocks equal slightly less than 34 days' average output.

News grade sulphite mill stocks equal slightly less than 7 days' average output.

Bleached sulphite mill stocks equal slightly less than 3 days' average output.

Easy bleaching sulphite mill stocks equal slightly more than 3 days' average output.

Mitscherlich sulphite mill stocks equal slightly more than 7 days' average output.

Sulphate mill stocks equal slightly less than 9 days' average output.

Soda pulp mill stocks equal slightly more than 3 days' average output.

Mill stocks of "other than wood pulp" equal about 3 days' average output.

Total mill stocks of all grades equal less than 15 days' output.

Rag Importers Confer on Transportation

A meeting was held in the office of the National Association of Waste Material Dealers, Inc., Times Building, New York, Wednesday, of last week, at the request of the Chairman of the Committee of Rag Importers, and in accordance with resolutions of the Foreign Trade Division at their meeting in the Hotel Astor on Wednesday, June 16.

The present conditions were thoroughly discussed, and the consensus of opinion was that the underlying trouble was due to insecure packing and illegible marking. The steamship companies had but few suggestions to offer and some of them seemed to feel that the burden of any improvement should rest upon the shipper or consignee, although all agreed that conditions on the docks were now deplorable and that a change for the better would be heartily welcomed by all.

The representatives of some of the steamship lines did not seem disposed to offer any assistance and shifted the burden on the importers. However, the representatives of some of the biggest trans-Atlantic, railroad and transportation companies encouraged the Committee and it is believed that they will co-operate to the fullest extent toward obtaining more satisfactory conditions.

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Wood Pulp Agents

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NEW YORK

QUEBEC WILL MAINTAIN ITS PULPWOOD EMBARGO

Premier of the Province Says Happy Results of the Embargo May Be Seen Today and States that the Practice Will Be Continued in the Future—Shareholders of the Riordon Co. and the Kipawa Co. Give Full Approval to Plan to Incorporate New Riordon Co., Ltd., to Take Over Various Properties and Plants—Large Body of American Financial Men Visit Town of Kipawa.

[FROM OUR REGULAR CORRESPONDENT.]

MONTREAL, Que., June 28, 1920.—Sir Lomer Gouin, premier of the Province of Quebec, in a speech in Montreal, made a reference to the veiled threats of retaliation from the United States in the matter of the pulpwood embargo, and announced in emphatic terms that notwithstanding these threats, the embargo on pulpwood would be maintained in the Province of Quebec. At the same time, he said, the Government would do all in its power to aid water power development and expansion of the pulp and paper industry. His reference to the question of embargo was as follows:—

"As for our forests, there are 45,000,000 acres under license and 60 million acres under government proprietorship. Americans look with envy at that wealth and would like to give us what they call the big stick. But since 1910 the government has prohibited the exportation of pulpwood and we see the happy results of today. Good charity begins at home; this is what we practised for ten years and propose to practise in the future."

Referring to water power he said that in the British Empire there was water power to the extent of 30,000,000 horse-power of which Canada possesses 23,000,000, seven million of it being contributed by Quebec. Already 880,000 horse power was developed by private industry, "for we encourage private industry confident that is the best way to increase our development with the least expense for the province. The two most important sources of water power established in the provinces are those of the St. Maurice and St. Francois rivers. The government has spent considerable sums in their development but looks forward to getting this back with interest at the rate of 10, 15 and even 20 per cent. The province has at present \$125,000,000 invested in water power."

Board of Commerce Disrupted

Quite a sensation has been created in Canada by the resignation of Commissioner Murdock, last remaining member of the Board of Commerce. It will be remembered that Judge Robson, chairman of the Board, retired at about the time when jurisdiction of the Board of Commerce, in regard to the control of news print, was challenged by Price Brothers & Co., Limited. Since then, W. F. O'Conner has resigned, and now comes the resignation of Mr. Murdock, under circumstances that indicate the conditions under which the Board has been working. Mr. Murdock, who represented labor interests on the Board, was vice-president of the Brotherhood of the Railway Trainmen of America, his office being in Cleveland, Ohio. He was granted leave of absence to take the position on the Board of Commerce and he is now returning to his old position. In a statement given out to the press upon his resignation, he charges that the Dominion cabinet has persistently stultified the work of the Board of Commerce and says he is convinced that the cabinet did this because of its sympathy with the organized business interests. Under the conditions prevailing, he did not believe he would be allowed to do anything in the public interest to curb profiteering and he resigned because he did not intend to be a party to making a joke of the law, and did

not wish to draw a salary without services. "The public," he said, "are unorganized as the sands of the sea, and require a protector against the super-organization of modern business. Such a protector was not to be found in the Board of Commerce, so hampered by the cabinet as to be a practical joke at the expense of the public." This resignation, and the statement accompanying it, raises the whole question of the control of commodities considered necessary to the daily life of the community and it is believed that the Government can now take no other course but to form a body which will exercise in a practical manner the control which, Commissioner Murdock says, the Board of Commerce were not allowed to exercise. As the subject of the supply of domestic news print is before Parliament, it is considered a foregone conclusion that any new body appointed to supervise prices and distribution, will, of necessity, be charged with the control of news print.

International Paper Co. Must Develop Falls

Definite action of some sort, with regard to the development of the power possibilities of Grand Falls, the largest potential power in the province of New Brunswick, is expected as a result of the conference between representatives of the Great Falls Power Company, in which the late Sir William Van Horne was interested; the International Paper Company, which is understood to have control of the power company, on the one hand, and the Provincial Government on the other. At the last session of the Legislature an ultimatum was delivered to the company; those in possession of the falls must undertake their development to the satisfaction of the Government, or give way and permit the Government to make use of the power. Their chief consideration is that the power should be made available, and any steps in that direction will be warmly welcomed.

Riordon Merger Plan Given Approval

Shareholders of both the Riordan Pulp and Paper Company Limited, and of the Kipawa Company, Limited, met at their special general meetings here a day or two ago, and gave approval to the plan to incorporate the new Riordan Company, Limited, to take over the various properties and plants. There was a representation of 85 per cent of Riordan Pulp and Paper and 90 per cent of Kipawa Company stock, either in person or by proxy. No discussion occurred at either meeting and proposals went through without hitch.

Financial Men Visit Kipawa Plant

A large body of American financial men have just visited the model town of Kipawa, where the new Riordan plant is situated, and they have expressed themselves as astonished at the progress made on the plant. There is a development involving the expenditure of \$15,000,000 in course of execution. The four large American financial concerns of New York and Boston, which had assisted in the financial arrangements were Parkinson & Burr, E. H. Rollins & Co., Coffin & Burr, and William A. Read & Co. The party was directed by officials of the Kipawa company, and Montreal interests were also represented especially the Royal Securities Corporation. The party spent the whole day in inspecting the plant and learned with pleasure that the estimates of production had been considerably increased.

Howard Smith Installs New Machine

The Howard Smith Paper Mills, Limited, are installing an additional paper machine at Crabtree Mills, and when it is completed it will give the company eight paper machines with a daily capacity of about 200,000 pounds high-grade writing papers, both bond and ledger. The sulphite mill at Cornwall is being increased to 60 tons per day of bleached sulphite. With the recent acquisition of approximately 500 square miles of timber limits, the company will be manufacturing the highest grade finished product from its own raw materials. In addition to the \$500,000 of common

(Continued on page 22)

The illustration shows two hands at the top left, one holding a thick, braided rope and the other pulling a small, twisted tape from its center. The tape has the company name and logo printed on it. Below the hands is a large, cylindrical bag of rope. The bag has a circular logo on its side that reads 'COLUMBIAN MANILA' around a central emblem. To the right of the bag, the text '253 GRO' is visible. An arrow points from the text 'ON EVERY COIL' to the logo on the bag.

Every Foot of
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can now be easily and positively identified on the dealer's floor or in actual use by anyone. This Rope, if a few inches are untwisted, will show imbedded in the heart of a strand a small twisted tape. Pulling this tape out and unwinding it brings to view the colors (red, white and blue) and the signature of the Columbian Rope Company.

Think what this means; you have the tangible evidence in every foot of Columbian Manila Rope that it is made by this Company and, therefore, is guaranteed to be not only pure Manila, but equal and in most cases superior to ANY Rope made.

Mr. Dealer, teach your Rope customers to look for the red, white and blue marker; it means repeated orders for you.

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Send for folder "How Columbian Rope is Made"

Address Dept. C.

ON
EVERY
COIL

QUEBEC WILL MAINTAIN ITS PULPWOOD EMBARGO

(Continued from page 20)

stock which the company recently issued at par, it is understood that the company has sold an additional block of its first mortgage bonds to a local banking house to complete the financing in connection with the installation of the additional machine at Crabtree Mills and for additional working capital.

New Paper Mill Plans for Newfoundland

A St. Johns, Newfoundland, report states that engineers and surveyors have arrived from the United States to begin work preparatory to the erection at St. George's of a paper and pulp mill and a saw mill, which, it is claimed, will be as large as any plant of the kind so far erected in Newfoundland. There will also be erected two veneer mills to manufacture abundant growth of birch wood in the district and a factory for the making of boxes and barrels. The different factories will be equipped with modern and up-to-date machinery. The company is composed of British and American capitalists, who own and control about 1,450 miles of timberland in St. George's territory and also about 950 miles of timberland at Grand Lake, where they also intend to erect in the near future a pulp and saw mill, and freight the products to the docks at St. George's by rail. The company intends to export the pulp and paper to England and the United States. The lumber, barrels, boxes, etc., will be sold to the local market, as well as exported. The saw mill is to be erected near the railway and the water side in St. George's Harbor, where a large pier will be built to a depth of water enabling ocean-going ships to load in safety.

The Pulp Industry in Saskatchewan

The Provincial Government of Saskatchewan has decided upon an aggressive policy for the development of the natural resources of the province. The possibilities of establishing a pulp and paper making industry is to be examined into as the preliminary investigation has shown that there are immense resources of pulpwood in the province. The Government will also investigate the lumber industry to ascertain what can be done to prevent forest fires and to find out if they grant enough speculative price as regards the development of lumbering.

International Paper Co.'s Plant at Three Rivers

P. T. Dodge, president, G. F. Underwood and Mr. Reilly, of the International Paper Company, passed through Montreal, recently, on their way to Three Rivers, to look over the Company's plant now under construction there. This plant is to turn out 80 tons of sulphite per day, beginning this Fall.

Export Company's Official Going West

Guy Tombs, of the Canadian Export and Paper Company, is leaving this week on the first through Canadian Northern passenger train from Montreal to Vancouver. He expects to remain on the Pacific Coast for a month with his family, and while there may visit the various large pulp and paper plants which have been established in British Columbia in the last few years and which have been making tremendous headway of late.

North American Earnings

The annual report of the North American Pulp and Paper Company will shortly be in the hands of shareholders. Preliminary figures indicate the net income of the company for the year 1919 to be approximately \$1,300,000, as compared with \$1,199,529 in the previous year. The failure of the company in 1919 to reflect the improvement in all pulp prices is said to be due mainly to the fact that several large contracts had been made at low prices. These have now all been gradually worked out, and from now on the company should have the benefit of very much better prices

for all its products. At the present moment the management is said to be figuring on a net income for 1920 of around \$3,000,000, as against \$1,000,000 last year.

Whalen Earnings Over a Million

The annual statement of the Whalen Pulp & Paper Mills, in British Columbia, shows a big change in the position of the company. Preliminary figures show that the company during the fiscal year to February 29, 1920, earned slightly over \$1,050,000. After the deduction of administration and general expenses, which amounted to about \$175,000, this would leave available for interest, taxes and depreciation about \$877,000, as compared with \$497,000 shown in the company's report for the year ending February 28, 1919. After the payment of interest and taxes, this leaves a surplus available for the year of slightly over \$300,000.

With the improvement in the company's affairs there is also a marked change in the financial position of the company and the general statement will show an increase in net current assets during the year of over \$1,500,000.

At the beginning of the new fiscal year 1920-1921, with the change that has come in prices, it was figured that the Whalen Pulp & Paper Mills should make net earnings of approximately \$2,000,000, but more recently this figure has been revised and the insiders have been expecting that with increased production and higher prices, the company's earnings for 1920 should run closer to the \$3,000,000 mark than to \$2,000,000.

In addition to its paper mills the company also derives considerable revenue from its sawmills and figures on the handling of from 20,000,000 to 40,000,000 feet of the higher grades of spruce and cedar lumber.

Sir George Bury, the president, is now in the Orient.

Envelope Makers Elect Officers at Convention

The Bureau of Envelope Manufacturers of America at its annual meeting in the Hotel Traymore, at Atlantic City, June 18 and 19, elected the following officers: President, W. S. Bacon, American Paper Goods Company, Kensington, Conn.; vice-president, D. M. Strong, Sewell-Clapp Envelope Company, Chicago, Ill.; secretary and treasurer, R. D. Magill, New York.

Executive committee: President and vice-president, ex-officio, J. A. Rogers, Samuel Cupples Envelope Company, St. Louis, Mo.; R. P. Murray, American Envelope Company, Chicago; W. A. Gray, General Paper Goods Company, Brooklyn; R. F. Paviour, Alling-Cory Company, Buffalo.

The same officers as were elected by the Bureau were also elected by the American Envelope Manufacturers' Association at its annual meeting on June 17, with the exception that its treasurer is D. J. Galvin of the Envelope Manufacturing Company, St. Louis, Mo. It has one more member on its executive committee—R. F. Paviour, of the Alling-Cory Company, Buffalo.

The program of the Bureau meeting was to a large extent devoted to matters pertaining to cost questions and to discussions with regard to trade statistics and facts.

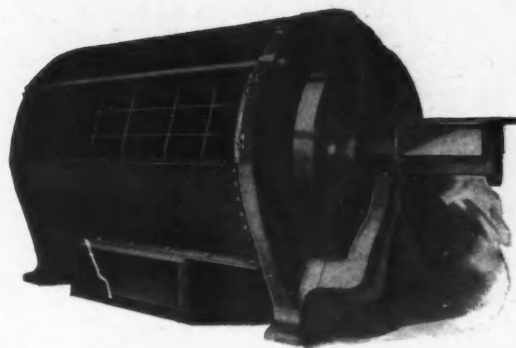
Forest Products Laboratory Decennial

The tenth anniversary of the Forest Products Laboratory at Madison, Wis., was celebrated with elaborate ceremony on Tuesday and Wednesday of this week. The exercises were largely attended by persons from all over the country.

A conference of representatives of the various wood-using industries was held at Madison on the afternoon of June 23, when the question of a combined forest policy was discussed.

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FOR SCREENING GROUND WOOD TAILINGS

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**The Sandy Hill Iron
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Manufacturers of **Paper and Pulp
 Mill Machinery**

NORTHERN PAPER MILLS TO BUILD GROUND WOOD PLANT

Work on the New Plant, Which Will Cost \$100,000, Will Be Started Early in July and Will Probably Be Completed Late in October—Immense New Print Machine for the Consolidated Water Power and Paper Co. Will Be Completed by Beloit Iron Works by Dec. 1—Work Delayed by Poor Transportation Facilities on New Sulphite Mill for Flambeau Paper Co. at Park Falls.

[FROM OUR REGULAR CORRESPONDENT.]

APPLETON, Wis., June 29, 1920.—Construction of a wood-grinding plant, to cost \$100,000, will be started by the Northern Paper Mills at Green Bay early in July, it was announced this week by P. S. Wagner, general manager. The plant will probably be ready for operation late in October.

The building will be 120 feet long by 80 feet wide, one story high. The equipment is to consist of two 15-ton magazine grinders, driven by a 2,000-horsepower motor. Machinery is now being manufactured by the Baker Manufacturing Company, of Saratoga Springs, N. Y., and is expected to be ready for delivery either late in September or early the following month.

New Machine for Consolidated Paper Co.

The immense new print-paper machine for the Consolidated Water Power and Paper Company, of Grand Rapids, will be completed by the Beloit Iron Works, Beloit, Wis., by December 1. It is expected that the new machine room will be ready to receive the machine at that time.

Rapid progress is being made on the Consolidated company's building program. Plans for the machine room have been changed somewhat, but will not delay construction of the building. It had originally been planned to build the structure along the river bank, but later it was decided to build along the west side of the present machine room. The new machine will be 305 feet long and will have a rated speed of 1,200 feet of print paper a minute.

Excavation for a new finishing room has been completed and workmen were to commence pouring concrete for the foundation this week. The new sulphite plant is ready for its tile roof, and the first digester will be ready for testing the latter part of this week. It is believed the mill will be ready for operation early in September.

Work on the new wood room is progressing favorably. The side walls are practically completed and work on the roof is to be started in a few days. The new powerhouse at Grand Rapids is also nearing completion. Draft tubes have been set and the concrete has been poured. Excavation for the new powerhouse at the Biron division plant has also been started. That work has been under contemplation for some time.

William F. Thiele, Milwaukee, has been appointed head of the engineering department of the Consolidated company and takes over his new work July 1. He will have charge of all mill engineering in the Grand Rapids, Biron and Stevens Point divisions and in the Interlake Pulp and Paper Company plant in Appleton. Mr. Thiele is a graduate of the engineering department of the University of Kansas.

Flambeau Sulphite Mill Delayed

Poor transportation facilities, which delayed shipment of machinery and materials, prevented completion of the new sulphite mill for the Flambeau Paper Company at Park Falls, Wis., by June 1, the date first set for beginning operations. It is probable the plant will not be ready for use until about September 1. The buildings are nearly finished and the digesters are in place, but

some of the machinery has not yet arrived and the company is unable to state when it will be shipped. The Jenssen system acid plant was completed some time ago.

It was announced that when the Park Falls sulphite plant is completed the company's plant at Ashland, Wis., is to begin manufacture of bleached sulphite. The mill is said to be particularly well equipped for that grade of product. A good grade of bleached pulp is now being made at Ashland, where there is a plentiful supply of artesian well water.

Green Bay Paper Novelty Plant Ready Soon

The Green Bay Paper Novelty Company will be in its new factory by September 1, if present plans materialize, it was announced at the company's office. Construction of the new building is progressing favorably, it was said. The side walls are nearly completed and interior construction work was to start this week.

Some of the new machinery for the plant has arrived and will be installed as soon as possible. Some machinery is now on the way. The new building will be one story high, 100 feet by 209 feet long. About 100 hands will be employed when the new factory is completed.

New Thilmann Addition Ready Shortly

Two additions to the plant of the Thilmann Pulp and Paper Company at Kaukauna, Wis., will be ready for use within a few weeks. Work is nearly completed on a three-story recovery unit at the pulp mill, designed to keep the pulp mill in more continuous operation and to slightly increase its production capacity. The structure is of concrete and brick construction, 160 feet long by 75 feet wide. Work was started several months ago.

An addition to the main building to provide lavatory and toilet facilities for the workmen will be finished soon. This building, 160 feet long by 30 feet wide, will also house the employment and first aid departments. Individual lockers will be installed for the employees. The company is now building a large number of homes for its workmen, permitting them to pay on the installment plan. Forty or more of these houses will be completed this year.

Jobbers Visit Niagara

More than 100 jobbers and customers of the Kimberly-Clark Company were the company's guests at a two-day outing to Niagara, Wis., where one of its large mills is located, Wednesday and Thursday of last week. The visitors left Chicago Tuesday night on special train, which arrived in Quinnesec early the following morning. Nearly the entire village was at the depot to greet the visitors. The guests spent two hours inspecting the paper mill and in the afternoon were entertained at a baseball game between the Niagara and Kimberly mill teams. After the game about an hour was spent in inspecting the village of Niagara.

The visitors left early Wednesday evening on the special train for Marinesco, Mich., from where they were transported by automobiles to Lake Gogebic, near the company's immense timber holdings. The guests boarded flat cars, which were run over the company's logging railroad to a lumbering camp, where they witnessed cutting, skidding and loading of logs. They were transported then to another camp, where they were served a typical lumberjack's supper. Automobiles conveyed them to Watersmeet, Mich., where the special train was waiting to take them back to Chicago. The trip was the most successful thus far engineered by the Kimberly-Clark Company. Last year more than 100 jobbers and customers inspected the mill at Kimberly and were entertained at Lake Winnebago, a popular summer resort near there.

General Trade News

Articles of incorporation have been filed at Madison for the Yankee Paper and Speciality Company, of Menasha, manufacturer of paper specialities. The new concern is capitalized at \$100,000. Incorporators are C. J. Oberweiser, George C. Fannon

(Continued on page 26)

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Established 1886

MATTERS IN WASHINGTON OF INTEREST TO PAPER MEN

President Names Secretaries Baker and Meredith as Members of the Federal Water Power Commission—Secretary Payne Places Ban on Unnecessary Government Documents and Publications of the Department of the Interior in Endeavor to Save Paper—Report from London Says That 321 Newspapers Have Increased Their Prices During the Year—Reforestation in New Brunswick.

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., June 30, 1920.—President Wilson has formally named Secretaries Baker, of the War Department; Meredith, of the Agriculture, and Payne, of the Interior, as members of the Federal Water-power Commission, with Secretary Baker as chairman.

The board is provided for in the recent water-power bill signed by the President and its duties include the supervision over the development of water-power projects on public lands.

Secretary Baker has already received seven or eight applications for licenses, but these cannot be formally accepted until the board is organized and a secretary chosen. Secretary Baker said that he would call the board in session as soon as Secretary Meredith, of the Department of Agriculture, returns from San Francisco. The bill appropriates \$100,000 for clerical hire.

Paper Shortage Hits Government

The shortage of print paper has hit the Government. Newspaper officers, hitherto swamped with reams of official announcements, detailing the activities of such and such a scheme of work of the Government, will hereafter receive only a limited number of such comunicados.

An edict set down by John Barton Payne, Secretary of the Interior, which, it is expected, will be followed by other cabinet officers and bureau chiefs, effectively places the ban on unnecessary Government documents and publications in the Department of the Interior.

Secretary Payne started the ball rolling when he issued an order for all requisitions for printing of publications in the Interior Department to be accompanied by a statement showing clearly the necessity for issuing the publication and pointing out specifically how the public interest would suffer if the printing of the publication were postponed. The order added that requisitions for office forms must also be made only for the lowest quantity actually necessary for the transaction of business.

"Unless there is a decided reduction in the number of publications and the size of editions, the printing of all publications will soon have to be suspended," the Secretary's order reads.

Chiefs of other bureaus of Government departments have indicated that some such order would be necessary but the order of Secretary Payne is the first definite step taken to cut down the enormous use of print paper in Government publications. If the order is taken up by the other departments the work of the Government printing office will be considerably lessened and newspaper offices will get only those communications which have a definite news value.

English Papers Increase Price

A report from London states that 321 newspapers have increased their prices during the present year, due mainly to the rising cost of paper materials. The present price per ton in Scandinavia of mechanical pulp is reported at 330 kronen, compared with 120 kronen in last November.

The report says that the president of the British Board of Trade was asked in Parliament if he would state what steps he was tak-

ing to protect the country from a famine in paper supplies; if he was aware that it was impossible to dispose of waste paper in bulk; and if he had any information to show that a monopoly exists in the supply of any or all ordinary qualities of paper. He answered that there was a great shortage of paper due to a shortage of paper-making mills throughout the world, and prices has risen to a very high level. He did not see, however, he said, what action the government could take to ameliorate the conditions.

Reforestation in New Brunswick

The Department of Commerce has just received a report from G. C. Woodward, the American Consul at Campbellton, N. B., Canada, relative to experimental reforestation work in New Brunswick. Mr. Woodward in his report says:

"The Dominion Conservation Commission has under way experimental reforestation work in Gloucester County, New Brunswick. This work is being done jointly by the commission, the Provincial Department of Lands and Mines and the Bathurst Lumber Company of Bathurst, N. B., and consists of the planting of Norway spruce seedlings on all grades of burned lands in order to show results in growth and counteract the losses by forest fires.

"The experimental plot upon which the planting is being done consists of about five hundred acres of cut over lands, on the limits of the company above named, situated about twenty-five miles from Bathurst. At present some five thousand seedlings have been planted on about five acres."

NORTHERN MILLS TO BUILD

(Continued from page 24)

and H. C. Harvey. The company will specialize in the manufacture of paper ice-cream dishes and paper cups.

J. H. Delbridge, president of the Marinette and Menominee Paper Company, has purchased the splendid residence of the late U. S. Senator Isaac Stephenson at Marinette, and will soon begin construction of a new home on the site. Two other residences for men holding positions in the plant will also be erected on the property. Mr. Delbridge is now a resident of Oconto, where he is president and general manager of the Falls Manufacturing Company.

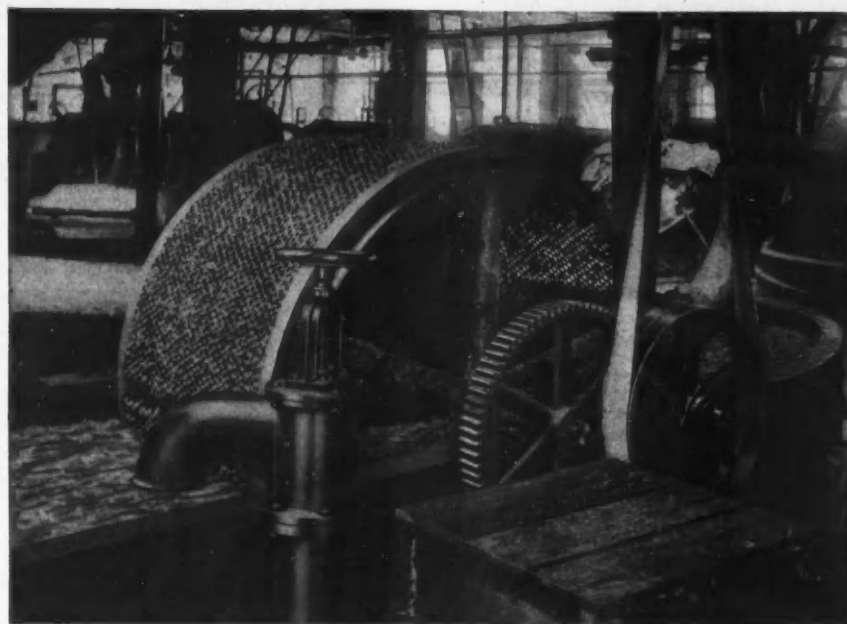
Salvaging of 6,000 cords of pulpwood lost in the storm of September 24, 1919, is being accomplished along a hundred mile front on the south shore of Lake Superior. The raft, invoiced at \$54,000, and probably worth much more now, was consigned to the Pulpwood Company of Appleton.

Search this spring showed that the raft had beached itself over such wide territory that salvaging was difficult. Large quantities have been found, however, and it is possible that 4,000 cords will be towed to Ashland within the next few weeks. Gasoline boats and tugs are being used in the search. The wood is in four-foot lengths and was cut in the Nipigon Bay region, Canada.

Canadian Paper Box Manufacturers Meet

QUEBEC, Can., June 28, 1920.—The fifth annual convention of the Canadian Paper Box Manufacturers' Association, which was held on June 21 and 22 in Quebec City, was largely attended, representatives being present from all the eastern parts of the Dominion. The sessions were held at the Chateau Frontenac and the next convention will take place in Hamilton, Ont. C. T. Reid, of Hamilton, was elected president, succeeding W. P. Bennett of Toronto. C. N. Moisan, of Montreal, was appointed vice-president, and S. J. Frame, of Toronto, reelected secretary-treasurer. The Advisory Committee is composed of W. P. Bennett, Toronto, J. B. Lawrason, Toronto, J. H. Lefebvre, Montreal, and B. Sproule, Toronto.

Many timely and instructive addresses were delivered and Secretary Frame, in his report, showed that the Association has taken up many subjects of importance to the industry in general during the five years of its existence.



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Continuous Beater
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Continuous Beating

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 Announces Awards on Paper for Which Bids Were Opened Recently—Purchasing Officer of the Panama Canal Announces Paper Bids and Awards—Bids and Awards for Other Departments.

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., June 30, 1920.—The purchasing officer of the Government Printing Office has received the following bids for 2,300 pounds (100reams) 17 x 22—23 pounds white non-curling gummed paper: R. P. Andrews Paper Company at \$6.48 a ream; W. J. Anderson & Co. at \$7.00, and Whitaker Paper Company at \$9.50.

Five thousand pounds (50) reams of India tint, 26½ x 41—100 pounds coated cover paper: R. P. Andrews Paper Company at \$20.40 a ream.

The purchasing officer of the Government Printing Office has received the following paper bids:

Four thousand pounds of 22½ x 28½—200 pounds green cardboard: Maurice O'Meara Company at \$29.70 per ream; R. P. Andrews Paper Company at \$28.75; Wright Paper Company at \$27.00 and \$31.00; Holyoke Card and Paper Company at \$28.75 and D. L. Ward Company at \$42.80.

Four thousand five hundred fifty sheets of 15 x 18½" jute Manila paper: Mathers-Lamm Paper Company at \$288 and \$160; George W. Millar & Co. at \$204.84, and R. P. Andrews Paper Company at \$218.40 and \$395.85.

The purchasing officer of the Government Printing Office has received the following paper bids:

23,100 pounds (200 reams) of double coated book paper, King Paper Company, at \$1.65 per pound, and R. P. Andrews Paper Company at \$.185.

6,500 pounds (100 reams) of 24x32—65 pounds, double coated book paper, King Paper Company, at 19 cents, and R. P. Andrews Paper Company at \$.185.

120,000 pounds of Nos. 20 and 30, 25x30—No. 2, binders' board, Mathers-Lamm Paper Company, at \$117.50 per ton; Kerr Paper Company, at \$150.00; Charles F. Briggs Company, at \$140.00; Dobler & Mudge, at \$139.40; R. P. Andrews Paper Company, at \$130.80; C. L. La Boitteaux Company, at \$136.00; Monroe Binders Board Company, at \$140.00; Philip Rudolph Company, at \$142.50, and Republic Bag and Paper Company, at \$140.00.

15,000 pounds of flat binders' board, Kerr Paper Company, at \$160.00; Mathers-Lamm Paper Company, at \$130.50; Charles F. Briggs Company, at \$150.00; R. P. Andrews Paper Company, at \$149.80; C. L. La Boitteaux Company, at \$141.00; Dobler and Mudge, at \$149.00; Philip Rudolph Company, at \$142.50; Monroe Binders Board Company, at \$150.00; Republic Bag and Paper Company, at \$140.00.

No bids at all were received for 118,000 pounds of wood Manila paper.

56,000 pounds (400 reams) 24x36—140, high finish sulphite Manila paper, Republic Bag and Paper Company, at \$1.617.

14,250 pounds (150 reams) of 27x38—95, all sulphite Manila paper, Old Dominion Paper Company, at \$1.448.

5,000 pounds (100 reams) of 25x38—50, white antique laid printing paper, R. P. Andrews Paper Company, at \$.165; Old Dominion Paper Company, at \$.1848.

21,900 pounds (200 reams) 21x32½—No. 60, white ledger paper,

R. P. Andrews Paper Company, at 40 cents; American Writing Paper Company, at 46 cents; Carew Manufacturing Company, at 44 cents.

6,000 pounds (200 reams) of 28x34—No. 13, light pink writing paper, Old Dominion Paper Company, at \$.34749; American Writing Paper Company, at \$.3475.

Government Printing Office Awards

The purchasing officer of the Government Printing Office has announced the following paper awards, bids for which were opened on June 14:

The Old Dominion Paper Company will furnish 4,800 pounds (300) reams of 19 x 24—No. 13 light pink writing paper at \$.3499 per pound. The same firm will also furnish 2,400 pounds (150 reams) of 19 x 24—No. 13 white writing paper at \$.3259 per pound.

Seven thousand six hundred pounds (400 reams) of 22½ x 34½—No. 9 white bond paper (glazed) will be furnished by the American Writing Paper Company, at \$.42 per pound. The same firm will also furnish 5,050 pounds (100 reams) of 21 x 32—No. 28 white ledger paper at \$.44.

The Holyoke Card & Paper Company will furnish 10,000 pounds (50 reams) of 22½ x 28½—200 pounds orange cardboard at \$28.75 per ream.

Panama Canal Bids and Awards

The purchasing officer of the Panama Canal will open bids on July 15 for the following:

One thousand reams (500,000 sheets) of 17 x 22—7¼ pounds unglazed onion skin paper.

Sixteen reams (8,000 sheets) 22½ x 28½—110 pounds salmon index Bristol board.

Ten reams (5,000 sheets) of 12½ x 37—53 pounds deckled edge buff cover paper.

Fourteen reams (7,000 sheets) of white linen-finish cover paper.

The purchasing officer of the Panama Canal has received the following paper bids:

Four million plain hygienic drinking cups: R. P. Andrews Paper Company at \$5,252; Dobler & Mudge at \$5,720; Mathers-Lamm Paper Company at \$1.36 per thousand; George W. Millar & Co. at \$6,600; Whitaker Paper Company at \$5,240.

Ten reams (5,000 sheets) of 12 x 36—40 pounds white cover paper: R. P. Andrews Paper Company at \$164; Dobler & Mudge at \$188.20.

Thirty reams (15,000 sheets) of 19 x 24—100 pounds white blotting paper: R. P. Andrews Paper Company at \$448.50; Dobler & Mudge at \$525 and \$562.50; Mathers-Lamm Paper Company at \$17.25 a ream; George W. Millar & Co. at \$428 and \$532; Whitaker Paper Company at \$528.

Two hundred thousand reams (1,000,000 sheets) 8 x 10½—No. 2 mimeograph paper: Whitaker Paper Company at \$1,800.

Five hundred pounds white writing paper in 1-pound rolls: George W. Millar & Co. at \$135.06.

The purchasing officer of the Panama Canal has announced the following paper awards, bids for which were opened on June 22:

The Whitaker Paper Company will furnish 4,000,000 plan hygienic paper drinking cups at \$5,240.

The R. P. Andrews Paper Company will furnish 10 rolls (5,000 sheets) of 12x36—40 white cover paper, at \$164.00.

George W. Millar & Company will furnish 500 pounds of white writing paper in one-pound rolls at \$135.00.

Navy Department Bids and Awards

The Bureau of Supplies and Accounts, Navy Department, has awarded the contract for furnishing 25,000 rolls of paper towels to the Manufacturers' Paper Company at \$12,200. Bids for these towels were opened on June 18.

J. Andersen & Co.



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A-1 Bleached Sulphite

KELLNER-PARTINGTON PAPER PULP CO. LTD.
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KRAFT PULP

Uniform in Quality

Essential for Strength Requirement

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21 East 40th Street New York, N. Y.

Sole Agents for the United States for

CANADIAN KRAFT, LTD., Three Rivers, Canada

CHICAGO DEMAND REPORTED AS SOMEWHAT LESS ACTIVE

Underproduction of Paper, However, Is so Great That Mills, Manufacturers and Jobbers do not Foresee Prospects of Very Serious Dullness—Plans Are Reported on Foot for the Building of Numerous New Paper Mills—Paper Men Return from Outing of the Kimberly-Clark Co. Outing at Niagara Tired but Happy—Company Maintains Its Enviably Reputation as Host—Other Chicago News.

[FROM OUR REGULAR CORRESPONDENT.]

CHICAGO, June 28, 1920.—The general condition of the paper trade of the city has been good during the past week. The demand is a little less in certain lines, but the underproduction of paper is so great, on the whole, that both manufacturers and jobbers are inclined to laugh at the prospect of any serious dullness creeping into the market for months to come. For example, the demand for news print paper has been a little off for a couple of weeks. The result of this, according to mill representatives here, promises to be that those wrapping paper manufacturers who have turned their machines to news print will now turn them back to wrapping paper again, benefiting from the high prices which are now offered for wrapping, and at the same time cutting down the production of news print to a point which will greatly strengthen the price.

Plans for New Mills

Plans are on foot for the building of many new paper mills. One need talk only with the paper mill supply houses to realize that fact. Some of the new mills are concrete, established facts. The ground has been broken or will be broken soon. Others are in a more or less nebulous state. The companies which are launching them are forming, stock is being sold, and all the other factors surrounding the launching of big enterprises of this sort are receiving attention. Expansion is seen in the paper manufacturing industry on all hands, and back of this expansion is the underproduction of paper, which assures a strong market for paper over the critical period of a mill's start.

Jobbers Still Short of Supplies

While the jobbers have been able to get a small surplus in certain lines of paper, they are still far short of their normal stocks on the most popular brands of paper. They are looking around to see where they can place their orders, with a reasonable hope that delivery will be made in the near future. While the majority of the paper mills are willing to take orders, there are comparatively few of them which will promise delivery in less than sixty days.

Back from Kimberly-Clark Outing

Tired, but happy, the paper men who attended the annual picnic of the Kimberly-Clark Company at Niagara, Wis., returned to the city on Friday. They had time enough to read the mail which had accumulated since Tuesday, and round up the "week's work" after a fashion, before going to their homes over Sunday, for a much-needed period of hibernation. "They work in relays up there," said one picnicker, returning from the outing. "While one delegation of entertainers sleep, another does the entertaining, and then they switch on you. They are, therefore, always fresh and full of pep, but they see that you do not get any sleep yourself. I had an immense time, and I think that goes for everybody who went."

The crowd which left Chicago over the Chicago and Northwestern Railroad on Tuesday night numbered about 125, and included paper men from Chicago and other points in the Middle West and Southwest. Mill men here put in a rather busy week,

considering that some of them have nothing to sell. The large number of jobbers in the city meant a considerable amount of visiting around. The weather was ideal and the paper dealers were abroad on the streets early and late. From all quarters came the same story.

General Trade Notes

Guy Waldo, of the Flambeau Paper Company, was in the city on business during the early part of this week.

Alex Gilman, of the Monarch Paper Company, Kalamazoo, has returned to the mill after visiting in the city for a few days.

Fred Dresskell, of the Champion Coated Paper Company, has returned to the city visiting over the week end in Cleveland.

Ed Schmidt, of Parker Thomas & Tucker Paper Company, will visit among the paper mills for a few days this week.

John Swigart, of the Swigart Paper Company, has returned from a visit to the mills.

Ellis R. Jones, of the Kansas City Paper House, Kansas City, Mo., passed through the city this week on his way home, after a visit among the Wisconsin mills.

F. L. Harrington, of the Kalamazoo Paper Company, Kalamazoo, Mich., was in the city on business this week.

At the regular monthly meeting of the Wrapping Paper Association of Chicago, plans for an outing were discussed. A committee is to be appointed to look after the matter.

Frank Borchers, of the Menasha Paper Company, has returned from an out-of-town business trip.

Louis Dwyer, of the Seaman Paper Company, has returned from a trip to the mills.

Dan Shield, traveler for the McNulty Paper and Twine Company, has returned to the city after calling on the trade in middle western territory.

F. D. Wilson, representative of paper board mills, has returned from a trip to the mill of the La Fayette Box Board and Paper Company, at La Fayette, Ind.

E. M. Mendelsohn, of the Mendelsohn Brothers Paper Stock Company, has returned from a tour of middle western paper mills.

Arthur Bermingham, of the Bermingham & Prosser Company, has returned from a trip to Kalamazoo and adjacent points.

Ray Russell, of the Marathon Paper Mills, is calling on his trade in middle western territory this week.

George Seaman, of the Seaman Paper Company, is at the Chicago main office again after visiting for a time at the New York office.

Tom Willis, of Chatfield & Woods Company, Cincinnati, was a visitor to Chicago during the week.

A. M. Curryer, of the Pratt Paper Company, Des Moines, Ia., spent a few days in visiting the paper trade here this week.

E. E. Lloyd, of the E. E. Lloyd Paper Company, has returned from a trip to Excelsior Springs, Mo.

Bradner Smith & Co., jobber of Chicago, is now handling Bond D'Aigle, made by the American Writing Paper Company.

The Great Lakes Paper Company of this city, has secured the agency for Resource bond, manufactured by the Gilbert Paper Company.

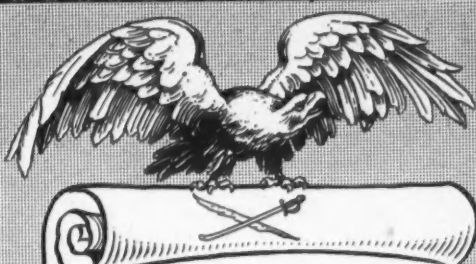
Pete King, of the Empire Paper Company, is ill at the Presbyterian Hospital. Mr. King's illness is not serious, according to his friends.

A. M. Miller, of the Central Ohio Paper Company, Columbus, was recently a visitor in the city.

Peter R. Thom, for many years superintendent of the Kimberly-Clark Paper Company, who died recently, left his widow \$400,000.


The Blunden-Lyon Company, 108 W. Harrison street, has been appointed agent for Chevron Bond, made by the American Writing Paper Company.

Ed Topping, of the Pilcher-Hamilton Company, has returned from an out-of-town business trip.



The Spirit of '76 is again stirring within us, enlivened by the roll of the Drums and the whistle of the Fife. We are also astir with the times and prepared to cooperate constructively with you.

Fred C. Strype
PAPER
NEW YORK CITY




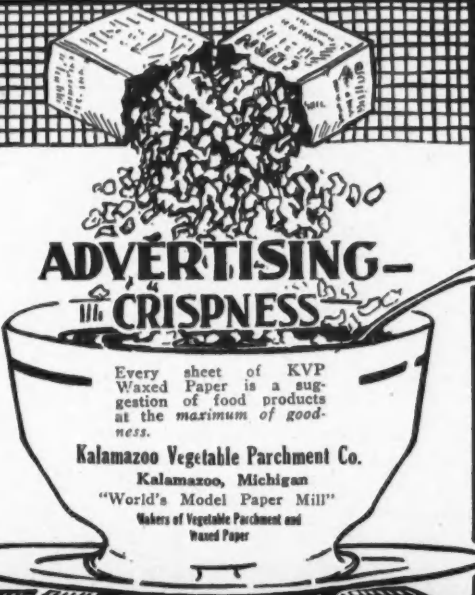


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96 96 96 96 96 96 96

NEW PRICE FOR NEWS PRINT EFFECTIVE JULY 1, IN CANADA

Contract News Is Now 5½ Cents—New Price Is Fixed Until October—Publishers Are More Satisfied with the Situation, as They All Now Are Assured of Their Supplies of Paper—Paper Prices Continue to Increase and Interesting Rumors Which Indicate the Strength of the Market Are Circulated—Much Substitution Reported—Ontario Colonization Co. Wants Damages.

[FROM OUR REGULAR CORRESPONDENT.]

TORONTO, Ont., June 28, 1920.—Things are not so bad in the news print line in Canada so far as price is concerned, as was apprehended a few weeks ago. At least, that is what the majority of publishers in Ontario are thinking at the present time, for they will all get paper during the next three months and the rate is also known. The dailies will pay 5½ cents for roll news, whereas the former figure was 4 cents, which quotation ends on July 1. The weeklies will pay 6 cents for sheet news from two tons up, and a fraction more if orders are placed for less than two ton quantities. But publishers are not taking any chances these days and are seeing that they get as large allotments as possible while the going is good. One newspaper proprietor near Toronto has a year's supply on his premises, but stock with the majority is low. The trade has, however, become inured to such shocks and price no longer interests them nearly as much as getting supplies and having their orders filled.

There are still more increases in quotations and some interesting rumors are afloat. One is that all white papers will be advanced before another month is over by 20 per cent. In the meantime, price lists at present are only nominal and all orders are taken at figures which will prevail at time of shipment. One concern is now charging 16¼ cents for No. 3. m f book for spot delivery. Sulphite papers have just gone up 4 cents and sulphite drug is now 18 cents and white 19 cents, f. o. b. mill. All kinds of tissue paper towels have ascended 20 per cent during the past week. White and colored crepe papers are now bringing 10 cents per roll of 10 feet or \$100 per thousand rolls. Toilet and tissues are now selling at whatever price rules when shipped and mills are getting farther behind all the while. A new machine, which will trim 140 inches and turn out 15 tons per day, will shortly be installed by the Interlake Tissue Mills Company, Merriton, Ont., and parts of the machine have already been shipped by the Dominion Bridge Works, Montreal.

Prices on all lines of pulp continue to strengthen and the demand is just as keen as ever.

Stocks in local warehouses are very low and in kraft paper it has been impossible for jobbers to get more than 15 per cent of their orders filled, while one large company has ceased accepting any more business for the present. Fibre papers are a little more plentiful than manila, which are almost off the market. Jobbers have to turn down customers right and left and more substitution is being done in the paper line than ever before in the history of the trade.

Company Seeks Heavy Damages

Because of a dam of stop logs and alleged rise of the waters, the new Ontario Colonization Company, Limited, has issued a writ for \$200,000 damages against the Mattagami Pulp and Paper Company, whose mills are located at Smooth Rock Falls, Ont. The plaintiff says that the land has been flooded and blames the defendant company. The Colonization Company has sawmills in Haggert and Kendry township, Temiskaming.

In connection with a large tract of freehold timber recently ac-

quired in the Sudbury district by the Continental Wood Products Company, which is a subsidiary of the Continental Paper and Bag Mills, a second pulpwood preparing plant and sawmill is being erected for the purpose and a site is now being cleared.

Kaministique Paper Co. Incorporated

A charter has been granted to the Kaministique Pulp and Paper Company, Limited, with headquarters in Toronto and a capital stock of \$1,000,000, to manufacture, sell and deal in mechanical and chemical pulp, paper, cardboard, and other allied lines. Among the incorporators of the new concern which, it is reported, intend erecting a large plant at Fort William, Ont., is Arthur F. Murdock, 42 Heath street, Toronto.

Jottings and Personals of the Trade

The Don Valley Paper Company, Toronto, is putting a new roof on its machine room and also extending its size.

W. H. Sherriff of the Hodge-Sherriff Paper Company, Toronto, has returned from an extended trip to Western Canada, calling upon the customers of the firm. He says that the same shortage of paper exists in the West as in the East. Business on the whole is good and there is a quiet optimism prevailing due to the promising character of the crops.

Among the callers on the Toronto trade during the past week was S. J. B. Rolland, of Montreal, head of the Rolland Paper Company, who was returning from Vancouver, where he attended the annual convention of the Canadian Manufacturers' Association. His company is increasing its output of high grade book papers by 20 per cent. Mr. Wright of Smith, Davidson & Wright, wholesale paper dealers, Vancouver, also spent a few days in the city.

N. E. Wainwright and F. C. Bagley, of the Canadian Export Paper Company, Montreal, were in Toronto recently calling upon the trade.

The Paper Specialty Company is the name of a new concern which has opened an office and warerooms at 411 Spadina avenue, Toronto, in the premises lately occupied by the O. P. McGregor Paper Company, who have retired from the retail paper business.

Stauntons, Limited, manufacturers of wall paper, 944 Yonge street, Toronto, intend erecting a large addition to their plant at a cost of \$100,000.

E. A. Scholfield, who is at the head of the Scholfield Paper Company, St. John, N. B., has been elected mayor of that city. A large number of friends in the trade in Toronto have sent him congratulatory messages on his success at the polls.

The second annual picnic of the Port Arthur division of the Provincial Paper Mills, Limited, Toronto, was held at Current River, Port Arthur, this week and was a great success. An excellent program of sport and games was carried out and the various events were keenly contested.

It is reported that Fort William has secured another pulp mill on the Mission site, which will be erected by the Mead Pulp and Paper Company, and that work will be started in the near future on construction.

An important conference of the heads of departments of the Spanish River Pulp and Paper Mills was held at Espanola recently and similar sessions will be conducted at Espanola and Sturgeon Falls. The object of the meetings was explained by Col. C. H. L. Jones, manager of operation for the company, who outlined its various policies, his subject being, "What Spanish River Stands For?"

The assessment of the Montrose paper mill at Thorold, which is owned and operated by the Provincial Paper Mills, Limited, Toronto, has been fixed by the carrying of a by-law by the rate payers, at \$125,000. The industry has grown from a small plant to its present large proportions during the past ten years.



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"American" as applied to Cordage and Quality are synonymous terms. Throughout every step of the manufacturing process, the same great care is exercised, so that the finished product can be used with the confidence that it will be satisfactory in every way.

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MICHIGAN SUPERINTENDENTS HOLD MEETING AT KALAMAZOO

Edward T. A. Coughlin Is Re-elected to Head Michigan Division of the American Pulp and Paper Mill Superintendents' Association for Another Year—J. H. O'Connell, Retiring Vice-President, Says Future of the National Association Is Assured—Mr. Ross Speaks on Air Conditioning in Paper Mills—O. F. Swanson, of Pulp & Paper Trading Co., Speaks on Pulp from Cotton Hulls.

[FROM OUR REGULAR CORRESPONDENT.]

KALAMAZOO, Mich., June 28, 1920.—At the annual meeting of the Michigan division of the American Pulp and Paper Mill Superintendents' Association, Edward T. A. Coughlin was re-elected president.

During the first year of the organization's existence he has proved a capable leader. George H. Pountain, general superin-

There will be an important meeting of the organization in Green Bay, Wis., July 17, and a big gathering in Chicago during November.

Air Conditioning in Paper Mills

A paper was read by Mr. Ross, of the B. F. Sturtevant Company. He discussed "Air Conditioning in Paper Mills." It was a more practical version of a similar paper read at the annual convention in Buffalo.

Considerable amusement was created over a letter received from F. C. Boyes, superintendent of the Wausau Paper Mills Company and national president of the organization.

Pulp from Cotton Hulls

A most interesting discussion of pulp conditions, present and future, arose at the meeting. It was inaugurated by O. F. Swanson, general sales manager of the Pulp and Paper Trading Company, of New York city. Mr. Swanson is a former Kalamazoo boy, having in years past been associated with the Bryant Paper Company. He is favorably known here.

The Pulp and Paper Trading Company has taken over the exclusive sales rights for "Buckeye" pulp, a product of the



ED. J. A. COUGHLIN, PRESIDENT.

tendent of the Monarch Paper Company, was again named for the responsible post of secretary-treasurer. N. M. Brisbois, superintendent of the Sutherland Paper Company, was elected vice-president to succeed J. H. O'Connell.

President Coughlin in his combined ex-augural and inaugural address thanked the members for their co-operation during the past year and stated that the coming year would see the appointment of standing committees, empowered to arrange programs and provide a comprehensive series of meetings.

With last evening's annual session, the Michigan division adjourned to meet next the third Thursday in September. This will be a social gathering, open to members and wives.

Good Prospects for Association

J. H. O'Connell, retiring vice-president, speaking regarding the future of the national organization in connection with his report on the recent annual convention at Buffalo, said: "There are 3,000 superintendents in the United States and Canada eligible for membership in this association and we expect to have 100 per cent presentation. During the first year of its existence this association has demonstrated its worth. We have been able to gain much valuable knowledge through contact with the other fellows and friendships have been made that will last."



GEO. H. POUNTAIN, SECRETARY.

Procter & Gamble Distributing Company. Mr. Swanson is in the valley explaining the merits of this pulp to the trade.

He stated that "Buckeye" pulp is made of lintels and cotton hulls, material recognized in the past as waste and refuse to be disposed of as easily as possible.

"The Procter & Gamble Company is taking the refuse from cotton oil mills in the South," he said, "and using it to produce this new grade of pulp. It has been tested and found perfectly suited for the manufacture of book papers, coated papers and low grades of writing paper.

"Mills have been established at Augusta, Ga., and Memphis, Tenn., and 100 tons of dry pulp is being produced daily.

"Personally I consider the new cotton pulp a great success, in fact, one of the greatest innovations in the paper industry in years. It comes just at a time when the United States is rapidly losing its supply of wood pulp. Judging from conditions now there will be little pulp produced in this country twenty-five years from now. More and more we are becoming dependent on Canada, the Scandanavian countries and Russia for our future supplies of sulphite.

"American ground wood is now selling for 6 cents a pound and

(Continued on page 36)

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(INCORPORATED)

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FAST RED
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METHYL VIOLET 3B—5B
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SLIGHT SAGGING OF PRICES REPORTED IN BOSTON TRADE

Sagging Said Probably to be Brought About by Speculators Who Have Been Buying on a Spot Cash Basis and Are Now Selling a Little Below the Market in the Belief That When the Price Change Comes the Trend Will Be Downward—Conditions at the Massachusetts Mills Worse Than Ever According to Reports Received by Jobbers—Dearth of Efficient Help.

[FROM OUR REGULAR CORRESPONDENT.]

BOSTON, Mass., June 29, 1920.—A slight, but none the less perceptible sagging of prices in the Boston paper trade during the past week has surprised the local market generally. The larger dealers throughout the city have been practically unanimous in the prophecy that quotations which have been subject to almost no fluctuation for the past three months would stay at the same figure for the next three, except for the possibility of an upward tendency.

The present drop is accounted for by those best acquainted with local conditions on the ground that it is brought about by brokers and speculators who have been buying on a spot cash basis for odd lots and are now selling a little below the market in the belief that the apex of high prices has been reached and that when the break does come it will be downward.

Dealers Still Unable to Supply Demand

The demand, however, of the legitimate dealers is still far ahead of the goods that they are able to supply at any price and no uneasiness or anticipation of important price changes is felt.

It is declared to be a significant fact that a number of the larger concerns have already perfected a big advertising campaign for the coming season regardless of the conditions of trade. This is being done on the presumption of a decided improvement all along the line and by concerns whose business history has proven that they seldom make an administrative mistake.

Playing Safe

A representative of one house which has already begun a bigger business campaign than it ever before attempted, upon being reminded that the paper business might reach still lower levels before it improves smiled at the inference.

"If business is going to be worse than at present," he said, "then the present policy of increased activity is certainly the only one that can save us from disaster. If, on the other hand, conditions improve as we naturally expect they must then our present campaign will be altogether timely. In other words, we propose to either make more money or to lose less which ever way the market goes."

A slight dropping off in the general trade is reported from various quarters, but is said to be not out of proportion to usual falling off incidental to the summer season and is a relief to the larger dealers rather than anything else.

Conditions at Mills Worse

Conditions at the Massachusetts mills are worse rather than better, according to reports received by the jobbers. To the embarrassment and uncertainty which have been caused by an inadequate and uncertain supply of coal is now being added in increasing measures the difficulty caused by a shortage of lime and salt, both of which commodities enter very largely into the manufacture of certain grades of paper.

A Holyoke mill man who has been here during the week characterized the basis of the whole difficulty as due not to any shortage of supplies, but to the dearth of efficient help in getting them out.

"The question of transportation is a small matter as compared with that of labor," he said, "and this is true not only with regard

to coal, lime and salt but in the lumber and half a dozen other trades. There is not sufficient help to be had to get out the necessary raw material and what there is is comparatively inefficient despite the fact that wages about four times as high as they ever were before are being paid."

The electrolytic bleachers are particularly up against it on account of the difficulty in getting the lime that they use. This applies to the Warren, Eastern and Oxford mills. One manufacturing concern gets its supply of lime from a kiln hardly more than two miles from its factory, yet, owing to scarcity of efficient labor at the kilns is as hard up as its neighbors who have to depend upon railroad transportation for their supply.

Notes of the Trade

Harry S. Coke of the Maine Coated Paper Company was the speaker at a recent forthrightly meeting of the sales managers of the Stone & Andrew Company, held at the City Club. Mr. Coke, who is considered an authority on coated papers and their manufacture told of the latest "wrinkles" in the making and handling of coated papers.

Arthur E. Ham, who recently resigned as vice-president of the Stone & Andrew Company, is soon to enter business on his own account though no details of his venture are at present available.

MICHIGAN SUPERINTENDENTS MEET

(Continued from page 34)

we are marketing Swedish sulphite for 14 to 15 cents a pound and it is hard to secure at that high price. Against those prices we are able to quote a price of 8½ cents a pound on the 'Buckeye' pulp f. o. b. mills and freight charges allowed. The production will be increased and other grades of cotton fibre pulp added in the years to come.

"With the yearly production of cotton we have at hand a never-ending supply of raw material. Against that the production of spruce trees suitable for pulp will take twenty-five years. It is a long, hazardous and very expensive process and for those reasons I doubt if reforestation appeals seriously to Americans. When we consider the competition of the future, we will naturally take the easiest means to meet it successfully."

While Mr. Swanson didn't go largely into the process of manufacture, he said that the cotton pulp mills are equipped with upright digesters, washers, and wet machines, quite similar to those employed in the ordinary sulphite mill.

Superintendents for Reforestation

The speaker's reference to American dependence on Canada and northern Europe for future supplies caused J. H. O'Connell to pop to his feet with a vigorous denial.

"With due regard to the opinion just advanced by Mr. Swanson," said Mr. O'Connell, "I am Just American enough to believe that anything other people have done we can do better. If those European countries can practice reforestation successfully, we can do quite as well.

"It was made manifest at the annual convention of the American Pulp and Paper Mill Superintendents' Association that the organization is back of the principals of reforestation and intends to use its power and influence to see that in the future two trees are planted for everyone that is cut down.

"We have pledged a fund to start the campaign and intend to secure additional subscriptions. We have already placed \$4,500 at the disposal of the Forestry Department of the University of Wisconsin."

Safety Code for Paper and Pulp Mills

The Engineering Section of the National Safety Council, held its summer meeting June 24, in the rooms of the Western Society of Engineers, 53 W. Jackson boulevard, Chicago. At the meeting a report was made on a safety code for paper and pulp mills,

DU PONT PULP COLORS BLUES

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GLAZING BLUE
C. P. STEEL BLUE
VIOLET LAKE

C. P. FRANKFORD BLUE
TURQUOISE BLUE
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Du Pont Blues have a clear tone; are carefully made and carefully washed by a special Du Pont process that insures softness of texture.



The unvarying uniformity of Du Pont Pulp Colors enables the paper manufacturer to maintain a standardization for his product that will meet the exacting demands for high class printing and wall papers—he knows that he can match it in his next vat of pulp.

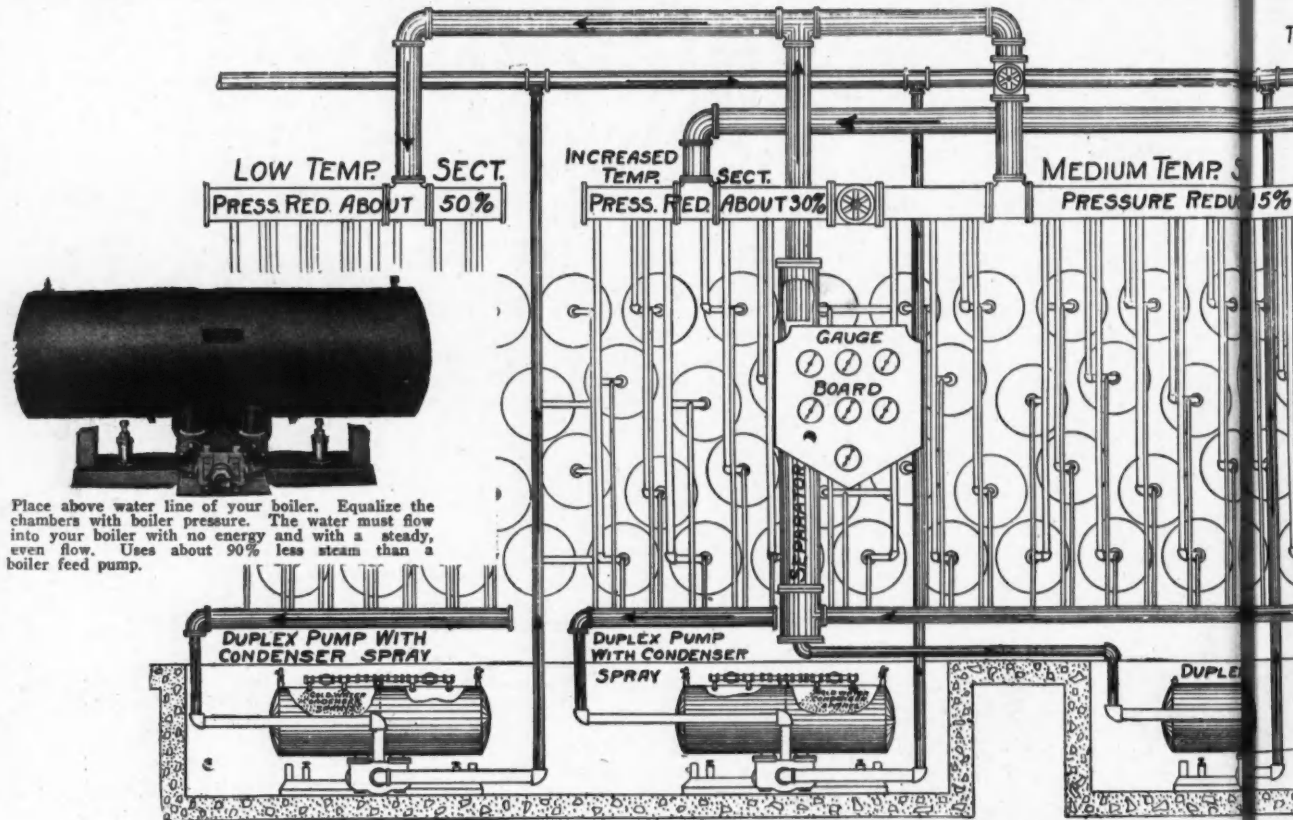
We also manufacture Reds, Blues, Yellows, Greens and Blacks of the same high class quality—the result of many years in chemical research, and backed by the immense resources of the Du Pont organization.

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Explaining the Farnsworth Forced Steam Circulation System as Applied to Paper Making



Place above water line of your boiler. Equalize the chambers with boiler pressure. The water must flow into your boiler with no energy and with a steady, even flow. Uses about 90% less steam than a boiler feed pump.

Sketch Showing Farnsworth System Applied to Paper Making

Exhaust steam or any pressure steam is applied on the dry end and through the main steam valve, and supplies about 37½% of the dryers on the dry end of the paper machine with full pressure steam; the steam passes into the dryers and out into the main return header. The steam in the main return header passes over to the second wet end section, and the water is drained to a Farnsworth Duplex Condensation Pump from the Separator draining the return header of this dry end section, or high temperature section.

If there is insufficient steam coming from the return header of this high temperature section to supply the second wet end section with enough steam to heat these dryers, then the valve located directly above the Gauge Board is opened until sufficient pressure is built up in this section to suit the paper maker.

It will be noted that the pressure on the medium temperature section is reduced by a valve on the main steam header, and the pressure will, therefore, be supplied to the dryers of this section at a slightly reduced pressure or temperature. The steam blows through the dryers and out into the main return header; and the steam from this return header is carried through a Separator and supplies the steam header of the first wet end section.

If insufficient steam comes from the main return header of this medium temperature section to supply the first wet end section dryers, then the valve above the paper machine is opened to build up the necessary pressure to suit the requirements of the paper maker.

The return headers of the first wet end section and the

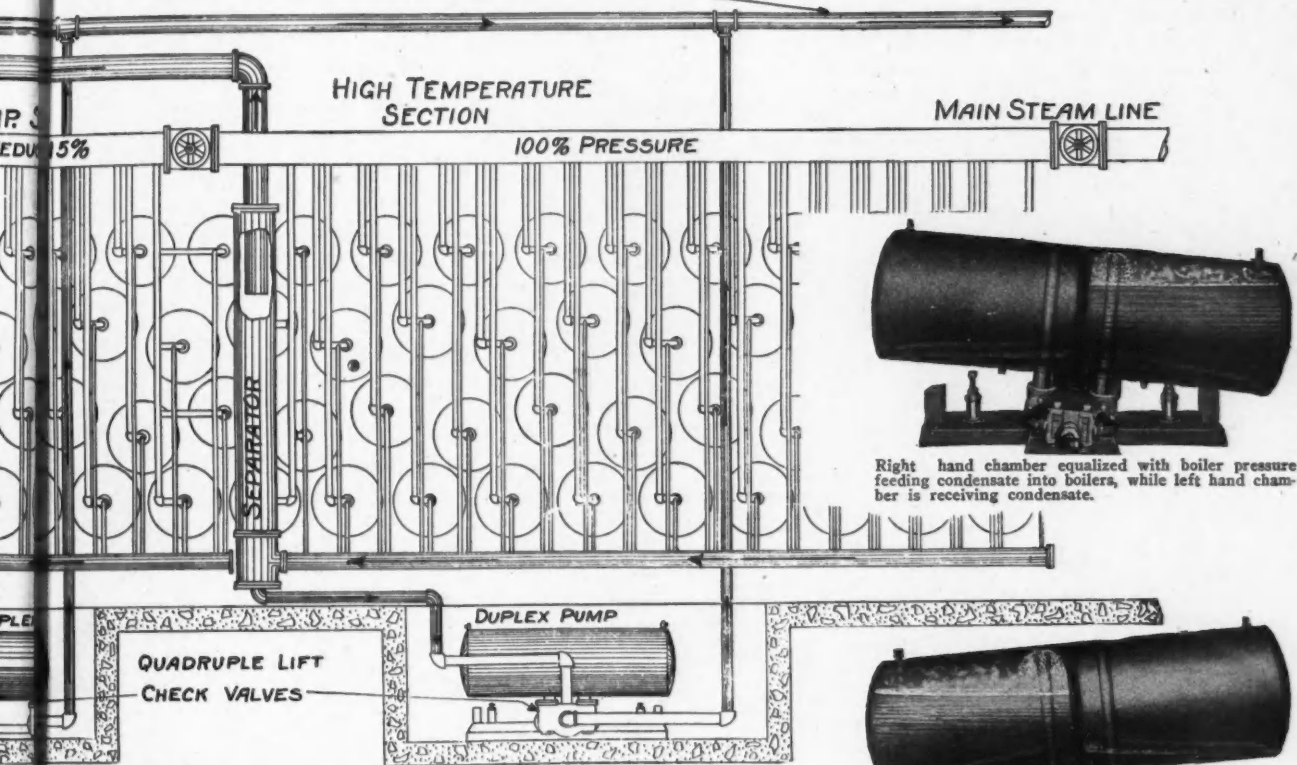
second wet end section are drained by Condenser Type Farnsworth Condensation Pumps. To explain the operation of the Condenser Type Machines. The cold make-up water required to supply the boilers is fed through sprays in the top of the tank. These sprays condense the vapors in the return header of the two respective sections, thus causing a high velocity of steam to flow through the dryers of the low temperature section and the second wet end section. In other words, these condensers pull or suck on this return header.

As has been previously explained, the steam from the high temperature section and the medium temperature section blows straight through the dryers into the return headers and the return headers supply the two wet end sections, or low temperature sections of the Paper Machine, and then, as explained heretofore (to keep the steam traveling) the condensers used to drain the return headers of the two wet end sections keep the steam traveling at a high velocity through all of the dryers of the Paper Machine—with the result, that **THE HIGH VELOCITY OF STEAM THROUGH THESE DRYERS ABSOLUTELY INSURES THE DRYERS OF BEING FREE FROM AIR AND WATER AT ALL TIMES, THUS PRODUCING THE MAXIMUM DRYING CAPACITY PER SQUARE FOOT OF RADIATING SURFACE IN EACH AND EVERY DRYER.**

In addition to forcing the steam through these dryers this system provides positive control of the temperatures and provides a low temperature dryer at the wet end of the Paper Machine with a gradual increase toward the dry end

Applied to the Large Board Machines Divided into Four Sections

TO FARNSWORTH DUPLEX BOILER FEEDER



Right hand chamber equalized with boiler pressure feeding condensate into boilers, while left hand chamber is receiving condensate.

Left hand chamber equalized with boiler pressure feeding condensate into boilers, while right hand chamber is receiving condensate. The Duplex boiler feeder is automatic.

to Mills Where There Is No Basement

of the Paper Machine. A better grade of paper is therefore produced, and it provides conditions which will permit increased production, because a higher temperature dryer can be used. Therefore, drying paper properly means increased production.

The old method of having the same pressure of steam on the wet end of the Paper Machine as on the dry end causes trouble, because the paper was too dry at the wet end and would naturally break if too high a temperature were carried, while with this System any pressure can be carried on the Paper Machine, because the paper hits the first dryers at a lower temperature, and then builds up gradually so that any pressure can be used that may be desired.

With this system a very low pressure can be used. In other words, the wet end sections might not have any pressure at all, yet the suction and the forced circulation of steam through the dryers would force the water out of the dryers, although there was not even the slightest pressure on the dryers.

This system makes it possible to dry paper with steam at less than atmospheric pressure, while heretofore, small traps on each dryer with a vacuum pump has deceived a great many paper makers. They thought that they had a vacuum up to the small trap on each dryer; and, as explained before, there is no necessity for a vacuum to pull the water out of the small traps, because the water will flow out of its own accord. This system can be applied to very small Paper Machines as well as the large Machines, as shown by the above cut.

The Farnsworth Guarantee

The Farnsworth Company guarantee with this system to extract all water and air from the dryers, and to produce maximum drying capacity per square foot of radiation in each and every dryer, and to provide better control of the steam to the Paper Machine; also to provide better drying conditions—that is, to provide a lower temperature dryer at the wet end with a gradual increase toward the dry end.

All our apparatus and machines are built extra heavy, tested to 350 lbs. pressure before leaving our plant, and fully guaranteed in every respect against defective workmanship, materials, etc.

What the Complete Farnsworth System Comprises

The Farnsworth Company supply the necessary plans and specifications and the services of an erecting engineer to properly supervise the correct installation of this system. We supply the proper size and style of Condensation Pump to properly drain the various sections of the Paper Machine, and at the same time hold the condensate under a pressure and pump it to any point of use; also the necessary Steam Separators between the dry end and the wet end of the Paper Machine. We supply the Gauge Board with the necessary Gauges to properly determine the pressure on the various sections; furthermore, the Farnsworth System and Apparatus can be applied to any Paper Machine without shutting down the Paper Machine. All preparations are made for the necessary changes, so that the Farnsworth System may be installed on Sunday when the machine is shut down.

FARNSWORTH COMPANY, Conshohocken, Pa.
Engineers and Manufacturers of Condensation Pumps. Farnsworth Forced Steam Circulation Systems for Paper Mills.
Canadian Farnsworth Company, Toronto, Canada

PRODUCTION OF NEWS PRINT DURING THE MONTH OF MAY

Report Furnished by the Federal Trade Commission Showed That the Increase in Production in May, 1920, Over May, 1919, Amounted to More Than 22 Per Cent for Total Print and More Than 24 Per Cent for Standard News—Production in May, 1919, However, Was Offset to a Marked Extent by the Labor Situation—Mill Stock of All Total Print and Standard News Increased.

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., June 23, 1920.—The following is a review of the reports received from domestic manufacturers of news print paper, from jobbers buying and selling news print paper and from leading publishers using news print paper prepared by the Federal Trade Commission. Import and export statistics of the Department of Commerce are also included in the review. Whenever possible the figures for 1920 are compared with those for the corresponding period of 1919.

The figures which follow show the results of the Commission's tabulations for 1920 compared with May, 1919. In addition the tonnage for the previous period of each year is shown for comparison purposes together with the totals for the five months.

		Number of mills	Stock on hand first of month	Production		Shipments		Stock on hand end of month
				Net tons	Net tons	Net tons	Net tons	
Total Print—								
First Quarter.....	1920	90	15,369	371,745	359,550	27,564		
First Quarter.....	1919	68	19,408	334,148	321,624	31,932		
April.....	1920	89	27,564	128,269	134,160	21,673		
April.....	1919	70	31,932	116,278	111,825	36,385		
May.....	1920	92	21,673	129,230	128,080	22,823		
May.....	1919	70	36,385	105,819	115,120	27,084		
Total (5 months).....	1920	..	15,369	629,244	621,790	22,823		
Total (5 months).....	1919	..	19,408	556,245	548,569	27,084		
Standard News—								
First Quarter.....	1920	76	12,338	339,451	326,685	25,104		
First Quarter.....	1919	51	15,656	304,723	295,510	24,869		
April.....	1920	75	25,104	118,917	124,936	19,085		
April.....	1919	51	24,869	107,445	101,078	31,236		
May.....	1920	75	19,085	119,906	118,832	20,159		
May.....	1919	53	31,236	96,192	105,591	21,837		
Total (5 months).....	1920	..	12,338	578,274	570,453	20,159		
Total (5 months).....	1919	..	15,656	508,360	502,179	21,837		

Note—Above figures for total print do not include hanging paper, but include the print paper production of mills operating for the most part on some other grade.

The average or normal production of total print and standard news based upon the total combined production for the years 1917, 1918, and 1919 amounted to 108,400 tons of total print and 97,500 tons of standard news for a period corresponding to May. The actual production amounted to 129,230 tons of total print and 119,906 tons of standard news, an increase in the case of total print of more than 19 per cent over the average for the three-year period and an increase in the case of standard news of more than 22 per cent over the average.

The increase in the production of news print in May, 1920, over May, 1919, amounted to more than 22 per cent for total print and more than 24 per cent for standard news. The production of news print in May, 1919, was affected to a marked degree by the labor situation.

Mill stocks of both total print and standard news increased during May, 1920.

In addition to the stocks given above 892 tons were reported on hand at terminal and delivery points on May 31, 1920.

Loss of Production

Reports from 92 mills operating 197 machines running full or partial time on news print paper showed the following loss of time during the month of May, 1920.

Reasons	Number of mills	Number of machines	Hours idle
Lack of Labor.....	2	2	822
Repairs.....	9	15	470
Other reasons.....	2	4	711*

*Includes 667 hours, due to lack of power.

The total time the machines were idle decreased 3,157 hours over that shown in April. No lost time due to lack of orders or lack of coal was reported by newsprint mills.

Jobbers' Tonnage

The following tabulation shows the news print tonnage reported by jobbers during the month of May, 1920, compared with May, 1919, together with commitments to buy and sell.

	On hand first of month	Received during month	Shipped during month	On hand end of month	Commitments to buy	Commitments to sell
	Net tons	Net tons	Net tons	Net tons	Net tons	Net tons
Rolls May, 1920....	1,939	5,669	5,663	1,945	35,598	39,491
Rolls May, 1919....	2,768	3,637	3,567	2,838	47,559	56,498
Sheets May, 1920....	2,757	2,974	3,101	2,630	4,303	3,129
Sheets May, 1919....	6,912	2,157	2,884	6,185	2,628	1,716
Total News Print—						
May, 1920....	4,696	8,643	8,764	4,575	39,901	42,620
May, 1919....	9,680	5,794	6,451	9,023	50,187	58,214

Stocks of rolls in the hands of jobbers at the end of May were 6 tons more than the stocks in the hands of the same jobbers at the beginning of the month. Stocks of sheets were 127 tons less at the end of May than at the beginning of the month. The net decrease in the total stocks of news print in the hands of jobbers at the end of May amounted to 121 tons.

Commitments to sell roll news were 3,893 tons greater than commitments to buy. Commitments to sell sheet news were 1,174 tons less than commitments to buy. Total commitments to sell both rolls and sheets were 2,719 tons greater than commitments to buy.

Publishers' Tonnage

Monthly tonnage reports from 708(x) of the most important newspaper publishing concerns and associations grouped according to the principal business sections of the United States together with a separate tabulation for the agricultural publications show the following results for May, 1920.

Location of Publishers (xx)	Number of concerns	On hand first of month	Received during month	Used and sold during month	On hand end of month	In transit end of month
New England.....	86	15,265	14,352	14,774	14,843	3,717
Eastern States....	190	26,596	54,045	52,885	27,756	16,914
Northern States..	135	21,426	38,541	34,238	25,729	19,665
Southern States..	80	7,065	9,868	9,187	7,746	6,240
Middle West.....	157	21,203	25,617	24,848	21,972	11,836
Pacific Coast....	32	6,838	11,118	12,184	5,772	1,955
Farm Papers (xxx)	28	7,346	1,930	1,777	7,499	624
Total U. S....	708	105,739	155,471	149,893	111,317	60,951

(x)—This number represents a much larger number of publications.
 (xx)—New England includes Connecticut, New Hampshire, Maine, Massachusetts, Rhode Island and Vermont. The Eastern States include Delaware, the District of Columbia, Maryland, New Jersey, New York and Pennsylvania. The Northern States include Illinois, Indiana, Michigan and Ohio. The Southern States include Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia and West Virginia. The Middle West includes Arizona, Arkansas, Colorado, Idaho, Iowa, Kansas, Minnesota, Missouri, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Utah, Wisconsin and Wyoming. The Pacific Coast includes California, Oregon and Washington.
 (xxx)—The farm papers, for the most part use special grades of news print instead of standard news.

Publishers stocks increased 5,578 tons during the month. The average daily tonnage used during May was slightly less than the average used in April.

Publishers' stocks and transit tonnage on May 31, represented slightly more than 35 days' supply at the existing rate of consumption.

Sixty-nine publishing concerns held about 59 per cent of the tonnage on hand at the end of the month.

The domestic consumption of standard news by metropolitan dailies using between one-half and three-fourths of a million tons annually increased almost 3 per cent for May, 1920, over May, 1919, and more than 14 per cent for May, 1920, over May, 1918.

Average Prices Paid by Publishers

The weighted average price of contract deliveries from domestic mills to publishers during May, 1920, f. o. b. mill in carload lots for standard news in rolls, was \$4.673 per 100 pounds. This

(Continued on page 50)

Let the WITHAM SYSTEM be the Doctor

If you were ill and the doctor prescribed, you wouldn't take a double dose in the hope of getting well in half the time.

By the same reasoning you wouldn't hope to dry paper quickly by too much heat.

In fact, one of your problems is to keep the drying heat within definite limits.

The WITHAM SYSTEM of Temperature Control for Paper Machine Driers

allows just the right amount of heat; not too much, not too little. It maintains the temperature at exactly the right point—not a temperature that shoots up and drops down, but an **even** temperature. The Witham System is entirely automatic; it is sensitive in operation but strong and simple in construction.

It saves labor, it prevents spoilage and increases production.

G. S. Witham, Sr.

106 Main St., Hudson Falls, N. Y.

FREIGHT TIE-UP TROUBLES PHILADELPHIA PAPER FIRMS

Jobbers Practically Shut Off From Making Any Railroad Shipments—Paper Stock Dealers Greatly Troubled by the Freight Situation—D. L. Ward Company Announces Important Changes in Its Officials, Men Long with the Company Being Promoted to Important Positions—Flat Rock and Delaware Mills of the Dill & Collins Co. Are Inspected—Paper House of Pennsylvania Takes Space.

[FROM OUR REGULAR CORRESPONDENT.]

PHILADELPHIA, June 29, 1920.—The Philadelphia trade virtually was shut out from the world beyond during the week to the extent of any relation with it through railroad freight. But the mails, the telegraph and the 'phone have been working overtime to flood the jobbers with clamors for deliveries of goods long ordered, and for new business as well. And though the midsummer months are now here, there is not the slightest indication of the ordinary let up in business. Nor is there any evidence of price recession. Indeed the week brought with it still further advances, Kraft going up a cent per pound and news from 1/2 to 1 cent, the ruling price for spot news being 16 to 17 cents. Half-tone news is almost unobtainable. Tissues are going well at \$2.50 a ream. Despite the fact that many hitherto consumers of tissues have ceased buying, the market is still short and prices are soaring. Until recently large quantities of tissues were sold to the textile manufacturers for stuffing shirt waists and to cap manufacturers for filling out these goods. But because of scarcity and high prices demand from these consumers has fallen off completely.

The trade is more firmly convinced than ever before, that no decline of prices can be looked to for many months to come, that the probabilities for still further advances are great but that if the peak actually has been reached it will prove to be a very broad one over which there must be many weeks' travel before the descent is reached. The end of price recessions in other commodities which eventually might have had an effect on the paper trade, seems to have been reached. Panic talk has ceased entirely. All in the trade look forward with entire confidence even though they admit that conditions are abnormal and that readjustment is most desirable.

Big Problems for Paper Stock Dealers

The complete congestion of freights was the biggest problem for the paper stock dealers. Embargoes on stock shipments were enforced during the past week by all three railroads entering the city, the Pennsylvania, the Reading and the Baltimore and Ohio, although the first named occasionally lifted the prohibition, for points on its main line. To make matters worse the Philadelphia Paper Manufacturing Company, the largest local consumer of stock, shut down three of its machines, only keeping two running. Its announced reason was inability to secure stock owing to railroad congestion and inability for the same reason to make deliveries. The stock dealers however took the view that the closing down of the machines was not inconsistent with the company's desire to buy at lower prices. All the dealers, however, claim that there has not been the slightest easing off in stock quotations and that they will store rather than attempt to move it through a lowering of the rates. Considerable stock is coming into the warehouses from local collections but there is not sufficient to make a glut likely for several weeks to come. Moreover the stock men say there is no city in the United States more favorably situated for the disposal of stock to the mills than is Philadelphia, because there is accessible either by boat or by auto truck a larger diversity of mill consumers than can be

found anywhere else. The Dill & Collins Co., MacAndrews & Forbes, Hinde & Dauch, Lang, Moorehouse, Philadelphia Paper, Bicking, Kerr, Hamilton and Shryock establishments can be reached by truck, trolley or boat and their products are of such diversified character that every grade of old paper can be disposed of. So far as the stock men are concerned they propose to "sit tight." As one of the leading dealers pointed out they are in a good position to do this because the past several months have been the most prosperous in trade annals.

The general jobbing trade has but one complaint to make, and that is over the tightness of money and the slowness of collections.

D. L. Ward Company Changes

Important changes in the personnel of the D. L. Ward Company were announced during the week. Vice President William S. Wilcox, who since his connection with the firm four years ago has been in charge of the printing paper division, was elected to the directorate of the company. For more than twenty years he was connected with the Ticonderoga Pulp and Paper Company. Thomas S. Furlong, former vice-president of the Megargee-Hare Company, and who upon its dissolution last October, joined the Ward organization and since has been manager of the Fine Paper Division was elected an additional vice-president. William A. Hentz, originally advertising manager and subsequently merchandising manager for the distributing points of the Ward Company here and in Baltimore, Washington, Wilkes Barre and Richmond, was advanced to secretary, succeeding W. Williard Seary, who filled the joint positions of vice-president and secretary. Mr. Hentz will continue to direct Ward Company publicity. N. A. Schoenbacher, manager of the Statistical Department, was elected treasurer, succeeding Frank J. Starke, who recently went with the Garrett-Buchanan Company. Mr. Schoenbacher is one of the most prominent members of the Cost Committee of the National Paper Trade Association and recently delivered an important address on this subject to the paper trade section of the Credit Men meeting in convention in Atlantic City, which was printed in the PAPER TRADE JOURNAL.

The Ward Company continues its receipt of many expressions of approval from the printing, stationery and allied trades, of its recently announced policy to decline sales of printing papers to the consumer but to refer all to their printer or stationer. Secretary Blaisse of the Engravers' Club of Philadelphia in a letter bearing date of June 18 said "The practice of the paper and envelope people of selling directly to the consumer, has, I believe, been discouraged to a great extent among the paper houses and I know the members of the Engravers' Club are going to be very favorably impressed by this new ruling of yours. I hope that the other paper houses will take like action in the near future."

President George W. Ward will sail for Europe on July 21 and there being for that reason a possibility that he will not be able to attend the National Association Conference in Chicago on July 15, Leon Beck, of the Beck Company, was elected during the week as alternate.

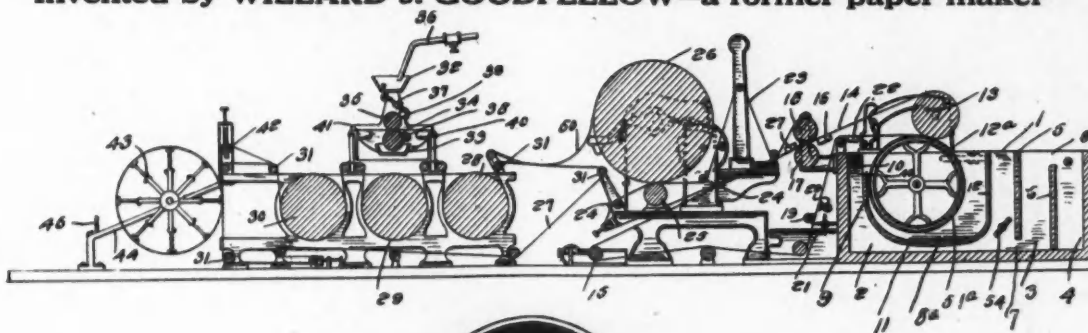
Dill & Collins Co. Entertains

The Dill & Collins Company was host last week to over 100 members of its sales and executive organizations and of printer customers from this city, New York, Baltimore, Washington, Cleveland, Rochester and Pennsylvania cities at a two-day conference and mill visitation. On Tuesday of last week the group gathered at the Dill & Collins building, 140 North Sixth street and was transported to the Flat Rock Mill, the morning being spent in inspection. At noon a trip was made to the Delaware Mills at Richmond and Tioga streets, where luncheon was served and subsequently an inspection trip was taken through every department of the big mill. On Wednesday, all day conferences were held at headquarters, in the rooms of publicity manager

(Continued on page 44)

HERE IS SOMETHING ABSOLUTELY NEW
A MACHINE FOR MAKING CIGAR WRAPPERS
FROM TOBACCO STEMS

Invented by **WILLARD J. GOODFELLOW**—a former paper maker

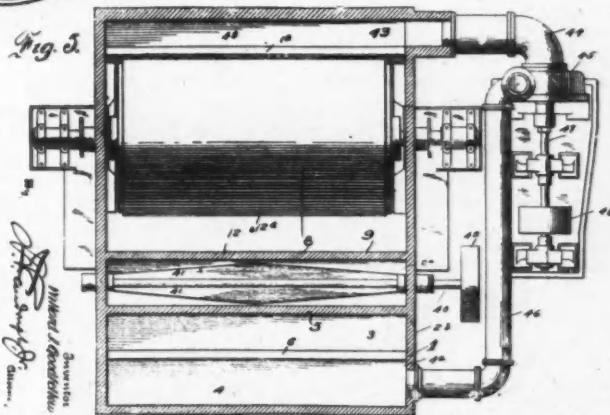
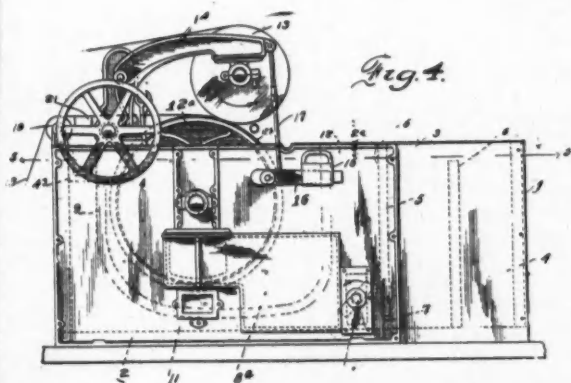


These Patents Are For Sale

The machine revolutionizes the production of Cigar Wrappers and is unquestionably a safe and profitable investment.



I will overhaul any mill—adapt it to producing these Cigar Wrappers or instruct your superintendent as to methods of operation.



For over forty years I was identified with the Paper Industry in the production of all grades of paper, as superintendent of several large mills. Many of my inventions are in use in Paper Mills. I am certain my Cigar Wrapper Machine will do all and more than is claimed for it.

Interested parties should address all inquiries to

WILLARD J. GOODFELLOW, Bentley Springs, Md.

New York Trade Jottings

J. F. Patton, president of J. F. Patton & Co., Inc., sails for Europe on July 3, where he will make a study of pulp and paper market conditions in England and the continent.

The Wall Paper Manufacturers' Association will hold its annual convention in New York July 19-26. The Wall Paper Travelers, Association will hold its annual meeting in New York July 22.

The Cost Association of the Paper Industry announces that after July 1, 1920, its offices will be in Columbia Bank building, Suite 608, 507 Fifth avenue, near 42nd street, New York. Telephone, Vanderbilt 4122.

R. B. MacMorland, of S. W. Dunning, has just returned from a trip among the tissue mills in the northern part of New York State. He found the mills confident and in possession of all the business they could take care of for some months to come.

O. F. Swanson, sales manager of the Pulp and Trading Company, is away on a trip in the Middle West visiting the trade. J. L. Fox, a salesman for the same concern, was in Michigan last week, where he found the mills sold out for some little time ahead.

The Whitaker Paper Company, with home offices in Cincinnati, has bought the seven-story building at 48-52 Great Jones street, near Lafayette street, covering a plot 66 by 90 feet. The property was valued at \$225,000. Possession of the building will be secured February 1 next and occupied entirely by the buying company which now has offices at 75-77 Spring street.

A. L. Melker of Storm & Bull, Inc., 2 Rector street, New York, has just returned from a trip through the West, where he found the mills with plenty of unfilled orders. He states that the coal situation is much better than expected but the mills are handicapped for lack of pulp and raw material. He found the opinion prevalent that little relief could be expected before the end of the year.

All plans have been completed for a most elaborate outing on July 10, by the Continental Paper and Bag Mills Association. The S. S. Pontiac has been chartered for the day, leaving Pier 5 at East River at 9 in the morning for a delightful trip up the sound to Karatsonyi's at Glenwood. Here the festivities include a luncheon upon arrival, to be followed by a number of interesting athletic events including a ball game between the rival teams of the single and married men. Following the athletic events dinner will be served. There will be music and dancing afloat and ashore.

The Interstate Commerce Commission has handed down a decision denying the request of the Waste Merchants' Association of New York, which case was known as No. 10,509, which was brought for the purpose of ascertaining whether or not shippers who were compelled to do their own loading, could not recover, for the reason that the Carriers' tariffs in force provided for loading by carriers. The commission holds that the carriers in not living up to the tariffs were acting as much in the interests of the shippers as their own, the commission holding that on account of the war conditions, had carriers been forced to load shipments, the shippers would have suffered great inconvenience and delay and that apparently the arrangement was more or less of a mutual one. While in the decision noted above, the commission found in favor of the carriers, their decision contains this significant statement: "For any failure to observe their published tariffs, the

carriers may be answerable in another process." The National Association of Waste Material Dealers understands this to mean that there is nothing in this decision to prevent individual shippers or shippers collectively from bringing civil suit.

FREIGHT TROUBLES IN PHILADELPHIA

(Continued from page 42)

Morton Gibbons-Neff. Welcome was extended by President Grellet Collins. Vice-President Sharpless, of the S. H. Burbank Company, made an address on the fundamentals of the printing industry, laying special emphasis on the relationship of paper to the printing trade. Charles F. Clarkson, of the Charles Eneu Johnson Company, spoke on printing inks. W. A. Gilman, of the N. W. Ayer and Son Advertising Agency, delivered an address on "Salesmanship."

Paper House of Pennsylvania Expands

Expanding business has compelled the Paper House of Pennsylvania to take over the second floor of its building on North Sixth street and during the week occupancy finally was completed. The offices of President Norbert A. Considine, of Advertising Manager C. B. Cobough, of Secretary J. J. Murphy and of the Accounting Department were removed from the first floor, giving additional room there for the sales force, the cutting and the shipping departments. President Considine and Mr. Cobough spent part of the week on a trip to important Pennsylvania cities, making personal distribution of the new and very elaborate individual sample book containing the full Paper House lines, just from the press.

Feel Coal Shortage

Shortage of coal is acute among the Philadelphia paper mills and part time operation or complete close down threatens. There are well defined rumors too of changes of considerable importance, but these have not progressed to a conclusion. An official of one of the largest mills has withdrawn from active participation in its management owing to differences of opinion over its business policy. Decision will be reached at a meeting of the directors early in July. The sale of a small mill close to the city and engaged in the manufacture of paper for parchmentizing is rumored but confirmation cannot be secured at this time.

General News of the Trade

Frederick J. Hennig, manager of the local office of the Sfeback Mills, 231 Chestnut street, is in receipt of shipments of its new burlap waterproofed cover papers adaptable to many purposes, such as covering the heads of barrels, boxes and the like. One side of the sheet consists of a strong burlap and the other of a tough paper, with a waterproof lining. The sheets come in sizes of 24-inch square and sell to the consumer for \$9 a hundred, a price said to be less than that of the double payers of No. 2 burlap ordinarily used.

The Kieckhefer Paper Company, Camden, has added to its equipment the special two-color carton presses.

Announcement is made by the Garrett-Buchanan Company that from June 21 to September 11 it will close daily at 5 o'clock and Saturday at one o'clock.

John A. Murphy, of D. I. Murphy and Son, has returned from a trip to the New England Mills.

National Waste Paper Stock Corp. to Open

KANSAS CITY, Kans., June 28, 1920.—The Sonken-Galambu Iron and Metal Company has purchased the two-story warehouse building at 917 West 8th street and is planning to use it for a waste paper plant.

The purchasers intend occupying the new plant on or about July 1, and will operate it under the name of the National Waste Paper Stock Corporation.

Profit by Dowd's 70 year knife- making experience

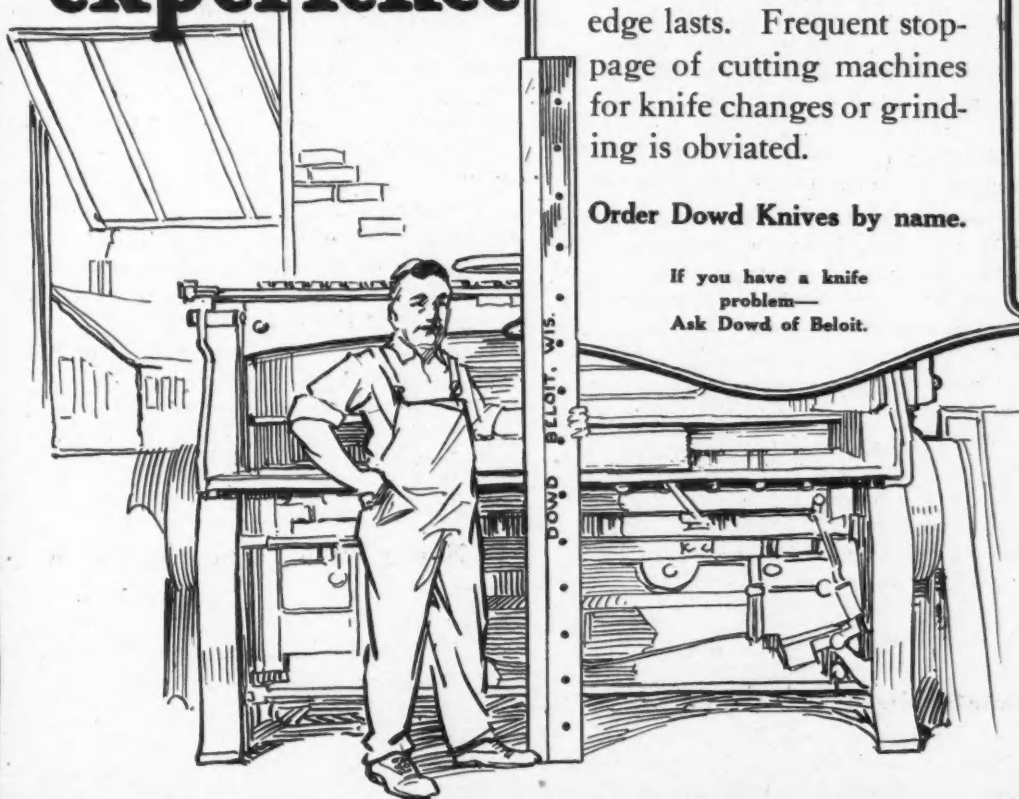


Two profits
come to the
mill with

Dowd Knives on the cutting machines—a sharp reduction in cutting room costs and a marked improvement in the finished product. Dowd knives take a keen edge and the edge lasts. Frequent stoppage of cutting machines for knife changes or grinding is obviated.

Order Dowd Knives by name.

If you have a knife
problem—
Ask Dowd of Beloit.



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

E d i t o r i a l

Vol. LXXI. New York, July 1, 1920 No. 1
FORTY-NINTH YEAR

Alaskan Pulpwood

The report of Mr. Clifton T. Smith, of the Forest Service of the Department of Agriculture, on the "Regional Development of Pulpwood Resources of the Tongass National Forest, Alaska," the first installment of which is printed elsewhere in this issue of THE PAPER TRADE JOURNAL, makes interesting reading. Mr. Smith, who has only just returned from Alaska, shows that he has made a thorough investigation of the matter regarding which he writes, and he furnishes much helpful information on a subject which has been assuming considerable importance of late and which seems destined to become increasingly important as time goes along. For while reports vary regarding the probable duration of the pulpwood resources of the sections of this continent from which the paper industry has been drawing its supplies of late years, it is the consensus of opinion that if the industry is to continue to meet the demand for paper the present sources of wood supply must be added to or some adequate substitute for wood, the premier paper-making material, must be found.

The finding of any real substitute for wood for paper making, in the very near future at least, is not seriously entertained by leading paper makers, so that about the only way in which the paper industry can meet future demands on it is by going to new sections for a part of its raw material.

Alaska naturally suggests itself as one of the sources to which the American paper maker might turn for the additional supplies of his raw material. Its great limits of spruce and hemlock and its abundant water power—two of the most essential factors in the making of wood pulp—have long been appreciated, but they have not appealed to the paper maker in a practical manner because of the great cost of transportation between Alaska and the points where pulp from that section could be profitably made into paper.

With the great increase, however, in the cost of ground wood in the past few years, conditions have changed, and if these prices continue extremely high, as judging by the experience of the past few months they certainly give promise of doing, the time, as Mr. Smith remarks, undoubtedly seems ripe for the extensive exploitation of Alaskan pulpwood.

Canada's Big Export Record

For the first time in the history of the paper and pulp industry of Canada, the Dominion trade returns for the fiscal year ending March 31 show that the total value of the paper and pulp exports reached the hundred million dollar mark. The exports for the fiscal year just closed were valued at \$104,636,901, as compared with \$82,568,771 in 1919 and \$63,344,143 in 1918.

This is certainly a splendid record of which the members of the paper and pulp industry in Canada may well be proud. In the light of these figures the Dominion Government should be less

prone to interfere with the industry and to take chances of retarding the expansion of the industry as she has been doing of late, especially as, according to reports, the excess of imports over exports just now is causing a good deal of comment in Canadian trade circles. The reason for such comment may be appreciated when it is stated that for the first two months of the fiscal year the imports into Canada amounted to \$211,738,000 and the exports from Canada to \$130,699,000. The imports into Canada in 1917 amounted to \$194,404,000 and the exports from Canada to \$214,202,600.

It will be observed that this balance of trade against Canada cannot be laid at the doors of the paper and pulp industry, but that the gratifying growth here should under all the circumstances commend the industry to the kindly consideration of the Government when measures likely to affect its welfare come up.

The total of \$104,636,901 for the last fiscal year was made up of paper and manufactures of paper, \$63,253,419, chemical pulp, \$33,000,063, and mechanical pulp \$8,383,419.

The year's paper exports included 14,272,513 cwts, approximately, 713,625 tons, of news print valued at \$53,203,792, constituting more than 50 per cent of the total.

The unmanufactured pulpwood exported during the year amounted to 838,732 cords, valued at \$8,454,803, compared with 1,597,042 cords valued at \$15,386,600 in 1919, and 1,002,127 cords valued at \$8,339,278 in 1918.

Pulp and paper exports for March, the final month of the year, were valued at \$11,668,796, a gain of \$3,668,236 over the corresponding month of 1919 when the exports amounted only to \$8,000,560.

The exports of paper and manufactures of paper for March, 1920, amounted to \$7,231,207 as against \$5,732,122 for 1919. The exports of chemical pulp for March, 1920, amounted to \$3,875,281 as against \$2,041,884 in 1919, and the exports of mechanical pulp for March, 1920, amounted to \$562,308 as against \$226,554 in 1919.

Exports of news print for the month were 1,426,149 cwts., 71,307 tons, valued at \$6,186,305.

Unmanufactured pulpwood exported during the month amounted to 47,904 cords valued at \$497,984, a drop of over 100,000 cords in quantity and of \$910,159 in value, compared with the corresponding month of 1919.

News Print Shortage Remedy

Mr. Frank J. L. Barnjum of Annapolis Royal, N. S., who has been prominent in the discussion going on over reserve supplies and reserves of pulpwood in Canada, has sent out a letter for publication, outlining what he considers to be the remedy for the news print shortage. He says there should be no attempt to hold the price down, for higher prices, is the best remedy for news print shortage. The prices should be advanced to a point where the mills would go to remote sections for the wood, even up to a cost of \$50 or \$60 per cord. Furthermore, high prices will curtail waste and they should bring about 5 cents or 10 cents newspapers. The pulp and paper business, he says, is on an entirely new basis and it has come to stay. So we might as well acknowledge the fact, face the issue and prepare for the future. He says that higher prices should bring into use much

wood in the United States that is now lying idle. He adds: "I would suggest in this connection that there is still probably rising a million acres of land that this paper company can buy in the State of Maine at or around \$20 per acre—land that will average four cords or more per acre or \$5 per cord stumpage, and \$5 stumpage with ground wood selling at \$100 per ton is just as low as \$1 stumpage was when pulp was only bringing \$20. This would make cheaper wood for these American mills than wood shipped from Canada."

G. H. Mead Co. Doubles Capital Stock

DAYTON, Ohio, June 28, 1920.—The march of progress continues in the Miami Valley, and naturally Dayton is the capital of the valley. From this point radiates much of the prosperity of this entire section. Eight or nine counties are embraced in the length and breadth of the valley, extending on either sides of the Great Miami River and its tributaries, and within this territory reside hundreds of thousands of people who represent an aggressive element.

Not the least among our neighbors is George H. Mead, president of the Mead Paper interests, who has been "doing things" with such commendable regularity in recent years that the trade long ago began to "sit up and take notice."

It was only last week that your correspondent mentioned the fact that the capital of the Mead Pulp and Paper Company of Dayton and Chillicothe, had been increased to \$6,300,000 for the purpose of doubling the output of the Ross county mills.

This week he is to chronicle an authorization of increased capital from \$1,000,000 to \$2,000,000 of the G. H. Mead Company, distributors of the Mead paper products. This increase was necessitated by the steady expansion of the business and the fact that the future holds forth much that is promising.

Some time ago Mr. Mead went to Europe to study business conditions in France and England, particularly, following the termination of the war. When he returned he reported that he had made an exhaustive investigation and discovered that trade was in a more healthy state than he anticipated.

It is understood that the business of the Mead Company has been greatly extended in several foreign countries and as a result the Dayton and Chillicothe products are known in many remote sections of the globe. The fact that greater capital is to be employed in still further extending the volume of trade is worthy of note.

The company has been operating also as importer of paper and ground wood. Last September the capital of the company was increased from \$500,000 to \$1,000,000 and the present step indicates how rapidly the business is growing. H. C. Conway is secretary and treasurer of the concern and Mr. Mead is president.

These men are the leading officials, also, in the Management, Engineering and Development Company, which is engaged in paper mill engineering work, and which has just completed large contracts in Southern States, and in other parts of the country. This company maintains a staff of competent engineers.

About the first of this year the Management, Engineering and Development Company increased its capital from \$100,000 to \$500,000. At that time plants were being developed in Michigan, Tennessee and sections of Canada.

To Head Syracuse Forestry School

[FROM OUR REGULAR CORRESPONDENT.]

SYRACUSE, N. Y., June 28, 1920.—Franklin Moon has been elected Dean of the New York State College of Forestry at Syracuse by the Board of Trustees, the election to be immediately effective. By this action of the Trustees one of the earliest members of the College of Forestry faculty becomes Dean of the

College, for Dean Moon became Professor of Forest Engineering in 1912, a few months after the College was founded.

Dean Moon was graduated from Amherst College in 1901 with degree of Bachelor of Arts. From 1902 to 1904 he was engaged in graduate study at Harvard and was for several years in business life in New York City before he decided to take up forestry, and in 1909 secured the degree of Master of Forestry at Yale. During 1908 and 1909 he was engaged in forest reconnaissance in Connecticut and for the Federal Forest Service in Kentucky. For the next two years forester for the New York State Forest, Fish and Game Commission under Commissioner Whipple, having charge of the Highlands of the Hudson Forest Reservation, the nucleus of what is now the Palisades Interstate Park, the world's greatest park. Prior to coming to Syracuse Dean Moon investigated forest conditions and forestry practice in France, Germany and Switzerland. He has written two noteworthy forestry books, one a text-book for forestry students and the other a forestry book for boys. He is one of the Executive Committee of the New York State Forestry Association, which has its headquarters in Syracuse, and has been honored by election to the honorary societies Sigma Xi and Phi Kappa Phi.

Spruce Falls Pulp Co. to Erect Plant

BRADFORD, Pa., June 28, 1920.—At a meeting held in Buffalo, N. Y., recently according to the *Star Record*, a company capitalized at \$5,000,000 was organized for the purpose of taking over the assets of the Spruce Falls Pulp & Paper Company of Bradford, Pa., which some time ago was granted a concession by the government of the Province of Ontario to cut the pulpwood and pine timber from approximately 1,740 square miles of land situated on the Kapuskasing River about 600 miles northwest of Toronto. The newly organized company will immediately start the erection of a sulphite mill which will have a capacity of between 75 and 100 tons of sulphite pulp daily. In addition, a large sawmill will be erected. According to the plans, both the sawmill and sulphite mill will be in full operation within 12 months. A ground wood mill and a news print mill will be erected at a later date. The capacity of these mills is yet to be determined.

The officers of the Spruce Falls Pulp and Paper Company, are as follows: President, S. A. Mundy, Bradford, Pa.; vice-president, E. Stewart, Toronto, Canada; treasurer, H. C. Morgan, Cuba, N. Y.; secretary, G. Scott Smith, Kane, Pa. On the board of directors of the company are: F. P. Schoonmaker, Bradford, Pa.; E. J. Jones, Bradford, Pa.; W. A. Mundy, Erie; W. L. Bell, Bradford, Pa., and G. Coott Smith, Kane, Pa.

In the newly organized company all the above stockholders will retain their interests. Other local stockholders are W. L. Curtis, J. Russell Case and George H. Mills.

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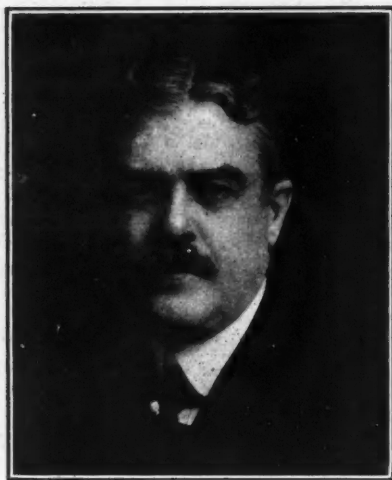
H. WATERBURY AND SONS COMPANY, ORISKANY, N. Y.

Obituary

[FROM OUR REGULAR CORRESPONDENT.]

WATERTOWN, N. Y., June 28, 1920.—George C. Sherman, president of Taggarts Paper Company and Hall, Ward & Walker, Inc., and one of the most prominent citizens of this section of the state, died Friday afternoon at 1:55 o'clock at his home 172 Ten Eyck street. His death came suddenly and as a great shock to relatives and the community. Although it was known that he was still in a serious condition as the result of the shock which he suffered on the morning of June 8, it was felt that he was gradually improving and might recover. A second shock came Friday afternoon and death immediately followed.

Mr. Sherman was probably one of the best known paper manufacturers in the country. Through his progressive methods of business he was successful from the beginning and gradually



GEORGE C. SHERMAN

amassed a fortune until he was rated as one of the most wealthy men in the city. He entered the paper manufacturing business in early life. About 25 years ago, with D. M. Anderson of this city, he organized the St. Regis Paper Company and Taggarts Paper Company. For many years they operated the two companies with marked success for themselves and the stockholders. He disposed of his holdings in the St. Regis Paper Company several years ago and confined his activities to Taggarts Paper Company.

Seeing in the Hall process a means of not only making news print paper at a lower cost, but of preserving the rapidly disappearing forests, he took a controlling interest in Hall, Ward & Walker, Inc. His judgment in this venture proved well founded.

The progressive methods used by Mr. Sherman in his mills resulted in winning the friendship of his employees and their cooperation. He was the first in this section to adopt the Industrial Democracy plan, which he placed in operation in his paper mills last January. The employees share in the savings. When other mills were idle with strikes the Sherman mills were operating with contented employees who had either been granted their desires or felt assured that they would be treated fairly by their employer.

Aside from his financial and local business connections he always found time to devote his thoughts and time to community betterment projects. He was a liberal giver to all worthy causes and never hesitated to aid in all philanthropic efforts with liberality.

He was recognized as a true American, and when the war

broke out he hastened to the aid of his country in every known way. He owned two magnificent pleasure yachts on the St. Lawrence river, and these he promptly offered the Government. He contributed liberally to all patriotic efforts launched in his community. During the war he gladly accepted the office of chairman of the Jefferson County Branch of the American Red Cross, and devoted much time and money to the successful prosecution of the work here. His contributions to other war work campaigns were always liberal.

He was one of the most prominent Democrats in this section of the state, and had the personal acquaintance of leading Democrats throughout the country. He had no ambitions to seek political office, however.

George C. Sherman was born in this city July 26, 1862, the son of the late Mr. and Mrs. Charles A. Sherman. His father and the father of Robert Lansing, late Secretary of State of the United States, were law partners. He was educated in the local schools, and his first business connection was with the Watertown Steam Engine Company, owned largely by members of his family. In early boyhood he became a telegrapher and shorthand writer for personal pleasure, but in later life he took up wireless operating and had installed in his yacht, Wana, a complete wireless outfit which he operated. He studied navigation and was awarded a navigator's diploma from the New York Nautical College. He was licensed as master of steam yachts on the Great Lakes.

Mr. Sherman was a member of the Black River Valley Club, the Jefferson County Golf Club, the Thousand Island Yacht Club, the Thousand Island Country Club, the New York Yacht Club, and other social organizations. He was a vestryman of Trinity Church, a member of the Board of Directors of the City Hospital, a director of the Northern New York Trust Company and had been twice president of the Jefferson County Savings Bank.

In 1886 he was married to Alice Lee Taggart, daughter of W. W. Taggart, of this city. In January of the next year he resigned his position with the engine company and became associated with his father-in-law and was made manager of Taggart Brothers Company mill. In 1889 he became one of the principal owners of water power at Felts Mills and later built the pulp and paper mill owned by Taggarts Paper Company there. The mills at Great Bend and Black River were later added.

There survive besides the widow, two sisters, Mrs. Henry Whittemore of Englewood, N. J., and Mrs. P. H. Wilmott of this city. Charles S. Addison, F. A. Ten Eyck and Stuart D. Lansing of this city were first cousins.

The funeral was held from the family home Sunday afternoon at 4 o'clock. Interment was made in the family plot at Brookside Cemetery.

Many prominent paper manufacturers of the country were at the funeral. The honorary bearers were G. F. Clark, O. E. Hungerford, D. M. Cosgrove, E. N. Smith, Stuart D. Lansing of this city, and George Olmstead of Chicago. Six of the oldest employees of Taggarts Paper Company acted as bearers. They were: P. M. Feister, F. L. Wood, O. F. Meyers, R. W. Nunez, Albert Shoults and Frank Shoults.

Clayton H. DeLano

BOSTON, Mass., June 28, 1920.—Clayton H. De Lano, chairman of the board of directors and former president of the Penobscot Chemical Fibre Company, died June 18.

Mr. De Lano was born at Ticonderoga, N. Y., February 8, 1836, and was a descendant of Philip De Lano who came to this country from Leyden, Holland.

His father, an extensive farmer, was the owner of five farms, and was first cousin of Hon. Columbus De Lano, secretary of the interior, under President Grant. Clayton Harris De Lano

(Continued on page 50)

CARDIFF GYPSUM PLASTER CO.
FORT DODGE, IA.

BELT CONVEYOR

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18"-5 PLY "GOODYEAR" BRAND CONVEYOR BELT
28 OZ. DUCK - 1/8" EXTRA RUBBER TOP COVER

MATERIAL — CRUSHED LIMESTONE	CAPACITY — 18 TONS PER HOUR
SPEED — 90 FT. PER MINUTE	INSTALLED — APRIL 15, 1915
AMOUNT MATERIAL CARRIED TO DATE — 125,000 TONS	

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125,000 Tons of Stone — and the G. T. M.

The requirements called for a belt with character. The G. T. M.—Goodyear Technical Man—could see that, from the very beginning of his study of the original conveyor installation for the Cardiff Gypsum Plaster Company, at Fort Dodge, Ia.

The conditions of service would be unusually severe—handling gritty, abrasive limestone, fed to the conveyor in sharp lumps averaging two inches in size. No previous experience in this mill furnished a working basis for suggestions. This was as much a test of the Goodyear Plant Analysis Plan as it would be of the belt.

You may be sure that every item affecting the efficient operation of that conveyor went into the G. T. M.'s calculations. The officials gave him full access to plant records. He figured the belt speed per minute—90; the diameter of head and tail pulleys—20 inches; their nature—bare; atmospheric conditions—damp; method of loading—from four automatic chutes; condition of bed—level; all equipment in first-class shape and well attended; weight of load—110 lbs. to the cubic foot; tonnage to be carried—18 tons per hour—day in, day out—10 months a year.

The belt he recommended is the 145-foot Goodyear Conveyor that is in operation today with five years of trouble-free service to its credit, and a record of more than 125,000 tons conveyed. It has gone on working amid the prevailing damp with all the unconcern of its moisture-proof construction. Judging by its condition today, Supt. C. C. Collins estimates that this 18-inch, 5-ply, 1/8-inch cover Goodyear Conveyor will stand up just as consistently to six years more of service.

Goodyear Belt performance like this is not measurable in first cost. The Cardiff Company's officials noticed when the G. T. M. figured on their problem that the belt he prescribed cost a little more than other conveyors. But their investment of that little additional secured them a balanced belt, specified exactly to their conveying—an earner and a saver every hour of its life.

The G. T. M. and Goodyear Belts, the idea that squares with your needs and the belt that we build to protect our good name, are available for your conveying and transmission. For further information about the G. T. M.'s services, write to The Goodyear Tire & Rubber Company, Akron, Ohio.

BELTING · PACKING · HOSE · VALVES

GOODYEAR

Recent Incorporations

NEW ERA PULP AND PAPER CORPORATION, Wilmington, Delaware—Manufacture and production of all kinds of pulp and other fibre. Capital \$800,000.

CALCASIEU PAPER MILLS, INC., Wilmington, Delaware—Manufacture of paper products. Capital \$2,000,000.

OBITUARY

(Continued from page 48)

was educated in public schools of his native town, and the Fort Edward (N. Y.) Collegiate Institute. He studied law for a period in the office of Hand & Hale, Elizabethtown, N. Y. Then he entered the department of law of the New York State University, where he was graduated with the degree of LL.B. in 1860, and was at once admitted to the bar of New York State. Trouble with his eyes prevented him from practicing his profession, and he spent the time in traveling and farming, until 1872. In 1871 he organized the firm of De Lano & Ives, to engage in the lumber business at Ticonderoga, N. Y. In 1876 this company was merged in a corporation known as the Lake Champlain Manufacturing Company, having an office and docks at Port Henry, N. Y., also the mills already in operation at Ticonderoga, and with Mr. De Lano as president and general manager. This company was succeeded in 1878 by the Ticonderoga Pulp Company, likewise organized by Mr. De Lano, with a capital of \$80,000, afterwards increased to \$180,000. At first the company engaged in the manufacture of mechanical pulp, and then, in 1882, in the manufacture of chemical pulp, and finally, in 1886, as the Ticonderoga Pulp and Paper Company, with a capital increased to \$500,000, erected paper mills at Ticonderoga and began the manufacture of book and writing paper.

During all these years Mr. De Lano continued as president and general manager of the various companies, until he moved to Boston, Mass., in August, 1897, to become president and general manager of the Penobscot Chemical Fibre Company, and also later, of the Penobscot Development Company, a subsidiary company, with a total capital stock of \$3,200,000, controlling extensive pulp and paper mills in Maine, with a large plant at Hyde Park, Mass.

During the existence of the American Chemical Fibre Association he occupied the position of president of that organization.

Mr. De Lano was supervisor of Ticonderoga for eight years. He made a tour of Essex county, speaking in most of the towns for the reelection of President Lincoln, whom he had the pleasure of calling upon at the White House, and also made extensive speaking tours in the political campaigns of 1866 and 1868. In 1869-71 he was a member of the New York State Assembly, and during this period New York passed through one of its most exciting and dangerous crises in which Mr. De Lano took a most active part in the overthrow of the irresponsible bosses then in control. He was married Jan. 1, 1866, to Annie M., daughter of George Thompson of Ticonderoga, N. Y., and their children are: Kate, wife of Hon. Frederick A. Higgins, former member of New York, now (1916-17) a member of the New York State Hospital Commission; Nora Belle, a graduate of the Albany, N. Y., business college, and Florence May De Lano, a graduate of the Oneonta normal school, Oneonta, N. Y.

W. Harvey McHenry

[FROM OUR REGULAR CORRESPONDENT.]

PHILADELPHIA, Pa., June 29, 1920.—W. Harvey McHenry, well known to the older generation of paper makers and for a long time engaged in the production of bookbinders' board, but now retired, died during the week at the residence of his son and

namesake with whom he made his home at 647 South Fifty-first street, aged 83 years.

He was the son of John McHenry, who some seventy years ago was one of the pioneer paper makers of Chester County, being engaged at Big Elks in the manufacture of handmade fine papers and subsequently of straw board which was hauled by team to this city or to Wilmington. The son, W. Harvey, after graduation from the New London Academy entered the paper mill, subsequently erecting two other mills near Mount Vernon a few miles from Oxford and specializing on bookbinders' boards for the Baltimore and the Philadelphia markets. A unique feature of the mill was a Sunday-school class conducted on the top floor, Mr. McHenry being very active in the affairs of the Presbyterian Church. Both mills were destroyed several years ago, the one by a flood, the other by a fire. Funeral services were held from the son's residence on Saturday afternoon interment being made in Fernwood Cemetery.

Timothy Twoomey

[FROM OUR REGULAR CORRESPONDENT.]

BOSTON, MASS., June 28, 1920.—Timothy Twoomey, for 30 years a city salesman for the A. Storrs & Bement Company, died at his home in Dorchester, Friday, aged 62 years. Previous to his connection with the Storrs & Bement Company he was with Carter, Rice & Co. He is survived by a widow and four children.

MAY NEWS PRINT PRODUCTION

(Continued from page 40)

weighted average is based upon May deliveries of approximately 51,000 tons on contracts involving a total tonnage of more than one-half million tons of undelivered paper manufactured in the United States.

The weighted average market price for May of standard roll news in carload lots f. o. b. mill based upon domestic purchases totaling more than 7,000 tons was \$9.905 per 100 pounds.

Deliveries of news print tonnage from both United States and Canadian mills on contracts at \$4.50 per 100 pounds and less f. o. b. mill were heavier than usual in May. The contract tonnage delivered through jobbers was less.

Imports and Exports

The imports and exports of printing paper not dutiable (practically all news print) and of wood pulp for the month of April, 1920, compared with the month of April, 1919, were as follows:

	April, 1920,	April, 1919,
	Net tons	Net tons
Imports of news print (total).....	60,098	44,427
From Canada	57,305	44,427
From Sweden	1,412
From Norway	1,265
Exports of news print (total).....	3,068	8,294
To Argentina	1,061	1,136
To China	521
To Cuba	338	861
To France	59	2,258
To other countries	1,089	4,039
Imports of ground wood pulp (total).....	9,416	9,714
Imports of chemical wood pulp (total).....	36,633	15,029
Unbleached sulphite	16,614	6,942
Bleached sulphite	10,028	556
Unbleached sulphate	8,151	7,310
Bleached sulphate	1,240	221
Exports of domestic wood pulp pulp.....	2,776	3,592

The imports of news print for April, 1920, were 15,672 tons more than for April, 1919. The exports for April, 1920, were 5,226 tons less than for April, 1919.

The tonnage to "Other countries" under the "Exports of News print" for April, 1920, includes 286 tons to Uruguay, 120 tons to Brazil, 122 tons to Canada, and 188 tons to the Philippine Islands.

The imports of mechanically ground wood pulp for April, 1920, were 298 tons less than for April, 1919. The exports of domestic wood pulp were 816 tons less than for April, 1919.

The imports of Chemical Wood Pulp (total) for April, 1920, were 21,004 tons greater than for April, 1919.

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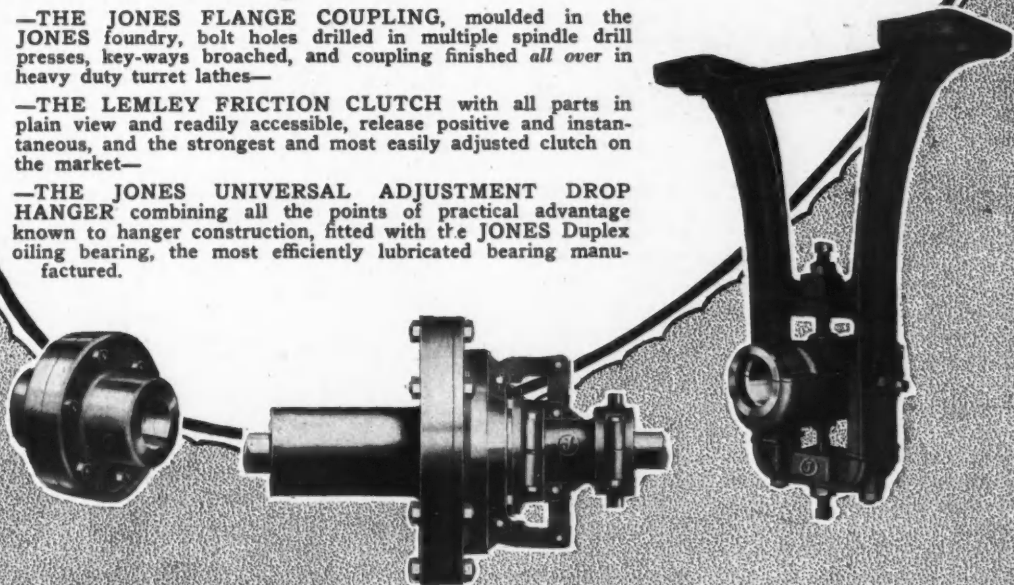
Compare individual items of competitive lines and JONES will win your favor instantly.

From left to right

—THE JONES FLANGE COUPLING, moulded in the JONES foundry, bolt holes drilled in multiple spindle drill presses, key-ways broached, and coupling finished *all over* in heavy duty turret lathes—

—THE LEMLEY FRICTION CLUTCH with all parts in plain view and readily accessible, release positive and instantaneous, and the strongest and most easily adjusted clutch on the market—

—THE JONES UNIVERSAL ADJUSTMENT DROP HANGER combining all the points of practical advantage known to hanger construction, fitted with the JONES Duplex oiling bearing, the most efficiently lubricated bearing manufactured.

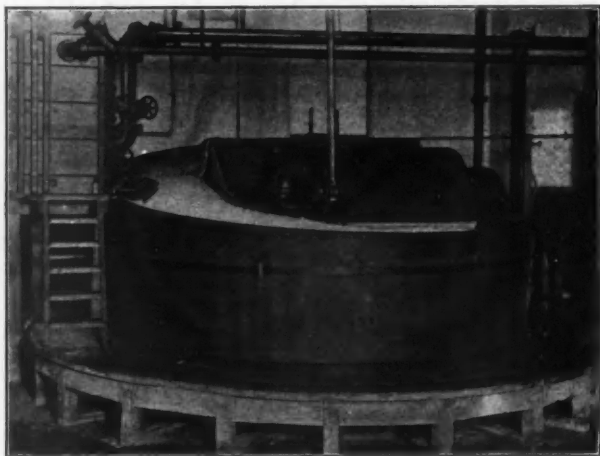


W.A. Jones Foundry & Machine Co.
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New York, 20 Murray St.

NIAGARA BEATER EFFECTS VARIOUS SAVINGS

The Valley Iron Works of Appleton, Wis., in conjunction with the engineering staff of one of the large paper mills in the Appleton district, has within the last few months brought out the "Niagara Beater," which is an entirely new and very important factor in the beating engine field for which several unusual merits are claimed.

The illustration represents the beater as actually installed in the Kimberly mill of the Kimberly-Clark Company at Kimberly, Wis. This beater, although occupying only the floor space of a 1,000-pound beater, will take in over 2,000 pounds dry stock. It is capable of producing from 50 to 60 tons of beaten stock per day and at the present time is furnishing a 132" machine in the Kimberly mill and is only running a little more than two-thirds of the time. Whereas ordinary stock in a beater only circulates at the rate of about 12' per minute, the Niagara circulates its stock at the rate of 95' per minute. Eighty-five H. P. is ample for taking care of the machine. On a recent experiment with



NEW NIAGARA BEATER

overall clippings, the most difficult kind of stock to beat, the work was done in 2½ hours, whereas with an ordinary type of engine, it takes from eight to nine hours.

In another test on ground wood and sulphite, two tons of stock were dropped in 25 minutes' time. The "Niagara" will empty itself in three to four minutes without the use of scrapers or paddles.

One manufacturer in the Appleton district who had ordered seven new Valley Iron Works Company beaters in addition to the others which he has in his mill, it is said, he found that by taking out every beater which he has, and substituting five Niagaras, will be able to run the mill with this number, thereby effecting a saving alone of over 600 H. P., and the erection of an entirely new beater room which would have cost him in the neighborhood of one hundred thousand dollars.

Interesting Facts Regarding the Beater

The manufacturer has furnished the following interesting facts regarding the new beater:

"In beating stock there is a definite amount of power per ton necessary to hydrate it and prepare it for paper making use. To do this work efficiently, the power must be effectively transmitted to the stock, and an efficient beater therefore is one that will do this work in the shortest possible time, with the least expenditure of total power. The biggest factor in accomplishing this is to get as rapid a circulation as possible, for it is perfectly evident that

if stock comes under the roll only ten times an hour, it will beat off much slower than if it comes under the roll one hundred times an hour.

"With the idea in view of making this circulating speed as high as possible, the following important differences in design over the ordinary flat bottom beater have been introduced, with the result that not only has this been accomplished but other important advantages are found, as described in the following paragraphs:—

The Position of the Lighter Bar Stand

"By placing this in the center, a shorter shaft is required than in the usual type. This makes for a much more rigid construction with the danger of springing a shaft practically eliminated, which feature is especially valuable when feeding in laps of frozen or dryer pulp. The main feature is that it makes it possible to raise the backfall and build up a higher head of stock as the journal does not go through the back channel, thereby acting as a dam and retarding the flow. Also due to this design, a tub with a capacity of two thousand pounds, air dry, occupies much less floor space than a flat bottomed beater, which is a very important item in reducing construction costs. Two beaters, one a right-hand drive and one a left-hand, can be mounted almost back to back because of this construction with additional savings in floor space.

The Position and Design of the Doctors

"As seen from the drawing, the blade is placed so there is very little clearance between it and the fly bars and it is held there with springs. If a lap of pulp causes the roll to jump, the doctor jumps with the roll, but returns to its original position because of the tension exerted by the springs. The stock leaving the roll at its peripheral speed is almost thrown completely through the constricted openings between the doctor and the top of the back fall, practically none following the roll and causing the effect known as 'churning.' In any ordinary beater the stock carries over to a large extent, even though a doctor is used. The reason for this is, that the usual position for a doctor is up on the hood, where it cannot possibly do much good as it must be hung far enough from the fly bars to clear them when the roll jumps, and so ordinarily there is a great deal of clearance.

"The constriction mentioned above between the doctor and the top of the backfall introduces the same principle underlying a centrifugal pump where the velocity head is changed to a static head in the pump casing.

The Backfall

"The double plane curve construction of the backfall also assists very materially in the rapid circulation of the stock, as it offers very little resistance to the flow. Due to this fact, and also to the fact that there is a difference in head between the front and back of the tub of about twenty-four inches, the stock flows very rapidly down the narrow outer channel to the roll. There are no dead spots, which is most plainly seen where color is added to the beater. In two or three minutes the color is uniform throughout the pulp mass. This is especially helpful in matching new shades, and is proof of uniform beating treatment.

"Another very important point which is due to this difference in head, is the fact that this beater dumps clean, with absolutely no raking down, in about 3½ minutes. This decreases the time that the beater is idle, very materially, and makes it much easier for the men.

(Continued on page 64)

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The Shuttleworth, Dumouchel Company
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Doscher-Tetamore Company, Inc.
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Brooklyn Receiving Station, Morgan Ave. and Newtown Creek

JOHN WEIDMANN, Purchasing Agent

L. B. STEWARD, General Sales Mgr.

SULPHATE MILL EXPERIENCES

WRITTEN BY H. GEVERS, SULPHATE SPECIALIST, NEKOOSA, WIS.

The practical operation of a sulphate pulp mill has been given very little publicity. The process itself has been thoroughly described in the later years and is well known. In most of the publications much attention is given to the proper handling and composition of the liquor which, of course, is one of the fundamentals. Not enough importance is laid, however, on the first essential for a successful, practical operation of a sulphate mill, the raw material, the wood.

A Wrong Impression

I have come in contact with many new sulphate men and found the opinion dominant that most any kind of coniferous wood will do for the sulphate process. This standpoint seems to originate from the fact that woods not suitable for the sulphite process are well suited for the sulphate process. This does not mean, however, that any kind of wood will accomplish satisfactory results in a sulphate mill.

Some time ago I heard and read about a process to extract from the wood practically everything except the cellulose, and then use the chips in the sulphate process. This so treated wood, probably will result after cooking, in a good quality of pulp, but where does the liquor preparation and the recovery come in? The black liquor would be so poor in organic matter that much other fuel would have to be substituted for the evaporation of the black liquor and the smelting and reduction of the sodium compounds in the blast furnaces. Here, in the recovery of the chemicals, originates much of the trouble caused through placing too much credence in reports on the feasibility of wood utilization, made by research laboratories and experimental stations. Both institutions in their experimental work prepare in the laboratory a proper cooking liquor and this, acting upon the chips in the experimental digester, produces a good quality of pulp. Here, however, the experimental work stops and the action of the resulting black liquor in the disc evaporators, rotary incinerators and furnaces, as the chemicals are being recovered, is left to the mill operation to work out—very often with disastrous results. A wood may cook up well, produce a good quality of pulp, and fail utterly in furnishing the proper fuel to carry on economical recovery.

There are some woods that are naturally too poor in organic matter which will furnish fuel, after the fibre is separated. The black liquors of certain woods again, contain more fuel than they require for evaporation and smelting. These woods, rich and poor in fuel, can be mixed in the right proportion to yield enough blackash for economical and smooth handling in the recovery.

Do Not Cook Uniformly

Unfortunately the different kinds of wood do not cook uniformly together. The pulp from one will be a little too hard and the other too soft. In spite of this, the paper made from this pulp mostly comes up to the standard of the single cooked wood. This may be explained in that the somewhat overcooked fibre furnishes a good filler for the harder pulp. A trifling smaller yield of fibre of the overcooked wood is likely to benefit the black liquor.

In mills where the chips can be kept separate it is preferable to cook one kind of wood in the digester and then mix the black liquors. At any rate, the right mixing of the wood or black liquors will warrant better recovery results.

Woods poor on blackash fuel are: Hemlock, cedar, and redwood. All very resinous woods—pines—have a surplus of fuel. The resinous wood gives some trouble by heavy foaming and loss of black liquor in form of foam. This condition can be im-

proved by having the wood well seasoned and by adding some wood with little or no rosin content.

It is of advantage to use seasoned wood. Not only the liquor is kept more concentrated for easier manipulation in the recovery but also the cooking, blowing and washing proceeds quicker and more uniform.

Spruce Best for Sulphate Process

Spruce, the pulp wood "par excellence," deserves also the first place in the sulphate process. It produces a strong yet fine fibre of light color and the black liquor possesses all the requirements for an economical recovery operation.

To work up the woods poor in fuel, alone, means an addition of fuel in the smelting furnaces. I have used with the best results sawdust and bark from the woodroom for additional fuel. This material will mix better with the saltcake than whole pieces of wood or coal and coke, and a better reduction of the chemicals will take place.

Whenever difficulty arises in making enough blackash and a decrease of liquor in circulation appears, though no leakage can be found and the recovery system is checked over for draft and heat, then the fault is invariably with the wood.

Too long seasoned wood will lose much of its fuel value and yields less fibre.

The kind of wood, green, seasoned and location of growth has a larger influence on the process, yield and quality of the pulp than any other factor.

By keeping this wood question in mind, much can be saved on fuel and chemicals and a higher production achieved in the operation of a sulphate mill.

Col. Haskell on the News Print Situation

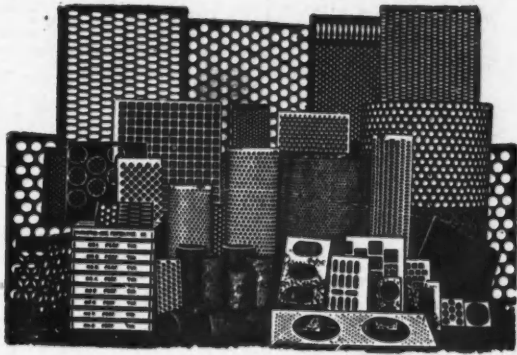
Speaking early this week about the news print situation, Col. W. E. Haskell, vice-president of the International Paper Company, said:

"The spot market has softened a trifle, offerings being around 13.50 cents.

"There seems to be no diminution in the prospective quantity of advertising. It looks today as if the consumption of news print for the winter of 1920-21 would be even greater than for the previous year, unless something unforeseen occurs to shake business confidence and make national advertisers curtail their contracts.

"The labor market was established May 1 for the year at nearly three times the level it was in 1915, while the price of pulpwood is advancing from week to week. Lower prices are not conceivable in the near future on account of the high level of manufacturing costs, unless a sufficient quantity of raw material can be guaranteed for the American mills to justify the installation of more machines.

"The slightly decreased consumption at the approach of the vacation season has had no appreciable effect on the spot market, except as noted above, and is evidenced only by an increase of mill stocks, due largely to car shortage, and in the publishers' stocks on hand and in transit, which at the end of May had increased to 172,268 tons, as compared with 149,561 tons at the end of March. This increase in tonnage of publishers' stocks, taken with the stubborn figures of the spot market, indicates that publishers are still accumulating paper, as well as using slightly less than in the earlier months of the year.

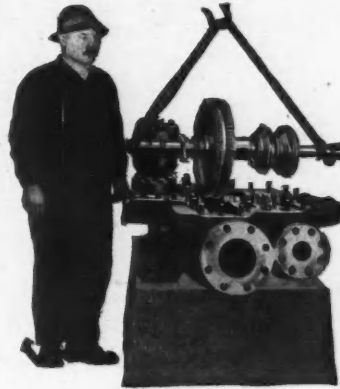


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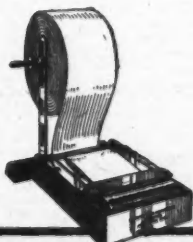
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REGIONAL DEVELOPMENT OF PULPWOOD RESOURCES OF THE TONGASS NATIONAL FOREST, ALASKA

REPORT OF FOREST SECTION, DEPARTMENT OF AGRICULTURE.

This statement has been prepared to aid those investigating the timber and other resources of the Tongass National Forest; to indicate the requirements of capital and organization necessary for the development of Alaskan pulp and paper mills; to show what data have been and are being collected by the Forest Service; and to outline the conditions of purchase of timber on the National Forests.

The time seems to be ripe for the extensive exploitation of Alaskan pulpwood. The successful operation of pulp and paper mills in nearby British Columbia with similar timber and power resources and with comparable transportation facilities removes the speculative element from the proposed development. The demand for paper has increased to an extent which makes it possible for well-organized and adequately-financed companies to operate pulp and paper mills on an extensive scale, particularly for news print. Ten years ago the United States produced its entire supply of news print. In 1919 we imported two-thirds of it, mostly from Canada, and Canadian supplies are not without limit.¹ All indications point to a continuance of the demand at prices which should make profitable operations in Alaska possible.

New sources of supply for raw pulpwood are imperative. This need has brought mills to the Pacific Coast, first to California, Washington, and Oregon, then to British Columbia. The same transition is more notable in the lumber industry, which now has its principal producing center in the Pacific Northwest. The movement in the pulp industry is necessarily slower because of the greater investment required per unit and the excessive demands for power. The demand of the pulp industry is for an assured permanent supply of raw material and properly allocated water power under stable tenure.

These requisities are found in the Tongass National Forest in southeastern Alaska. Pulpwood will be sold from the National Forests with such provisions for future supply as will assure the permanence of the industry.

Advantages of Regional Development

There is room for a number of mills on the Tongass Forest and these, together with the established mills of British Columbia, which are reported² to have an investment of \$42,000,000, will form a producing region whose products will have a recognized standing in the world's markets. The development of this region will facilitate procurement of sales contracts and needed capital, and make it possible to attract labor both skilled and unskilled, and last, but by no means of least importance, enable the industry to secure favorable conditions and rates for the transportation of its products. These are prime factors to the success of an operation of any magnitude and are recognized as such. Well known examples of regional localization of industry are steel at Pittsburgh and Gary, automobiles at Detroit, textiles and manufacturing in New England, and so on. The possibilities of regional development can not be over-emphasized.

Pioneer conditions for the region have been met and overcome by the successful establishment of mills in nearby British Columbia. After much expenditure of time and money and some reverses there are a number of going concerns in British Columbia manufacturing pulp and paper along the coast between Seattle and Prince Rupert.

Some of the earlier projects on the Pacific Coast were started before the time was ripe for their success. The prices for products were too low to offset the costs of establishment of a new industry, far removed from consuming centers. Transportation costs were too great a handicap to be overcome in the early stages of development of this region. If reliance can be placed on the best statistics and predictions available, and the shortage of paper this period of low prices and overproduction is passed.

The following prediction is quoted from a recent statement given out by Secretary of Agriculture Meredith:

"Alaska is destined to become a second Norway. With her enormous forests of rapidly-growing species suitable for pulp, her water power, and her tidewater shipment of manufactured products, Alaska will undoubtedly become one of the principal paper sources of the United States. A substantial development of the paper industry in this wonderful region, combined with the intelligent reforestation of pulp lands in the older regions, should settle forever the question of a paper shortage in the United States." Within the last ten years, he points out, "the Forest Service has brought about the sale of 420,000,000 feet of saw timber in the National Forests of Alaska."

The secretary believes that the development of the forest and hydro-electric resources of Alaska is a practicable means of increasing the supplies of news print available for the United States, and therefore eventually lessening the paper shortage, now so acute. The National Forests of Alaska probably contain 100,000,000 cords of timber suitable for the manufacture of news print and other grades of paper. Under careful management, these forests can produce 2,000,000 cords of pulpwood annually for all time, or enough to manufacture one-third of the pulp products now consumed in the United States.

The Alaskan forests also contain the second chief essential of a paper-manufacturing industry—water power. While no accurate survey of water powers has been made, known projects have a possible development of over 100,000 horsepower; and the department estimates that a complete exploration of the National Forests in southern Alaska will increase their potential power to a quarter of a million.

Location of the Region

The timber described in this report is situated along the coast and on the large islands of southeastern Alaska on the Tongass National Forest. The region is about as far west as it is north of Seattle and takes 150 meridian time, one hour slower than Pacific coast time. The largest towns in southern Alaska are Juneau and Ketchikan. Ketchikan, which lies at the extreme southern end, is only 670 miles from Seattle and approximately only one-third of the distance from Seattle to the well-known town of Dawson on the Yukon River in the famous Klondike region. Ketchikan is only 60 hours by steamer from Seattle and is only 115 miles from Prince Rupert, B. C., the terminus of the Grand Trunk Pacific, a transcontinental railroad. The scheduled time for passenger trains from eastern points is seven days. It is possible to ship freight via car ferry from Ketchikan to Prince Rupert thence via rail eastward to destination.

Communication and Accessibility

Southeastern Alaska is favored with numerous deep water harbors open the year round with comparatively smooth waters in straits and passages. It is advantageously located with reference

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¹See "Some Startling Facts About Canada's Forests" by Frank D. Barnjum—Reprints available from the Pulp and Paper Magazine of Canada, Jan. 1, 1920.

²See Consular letter Mr. J. J. Johnson, February 20, 1920.

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REGIONAL DEVELOPMENT OF PULPWOOD RESOURCES

(Continued from page 56)

to shipments by rail and water to the United States and water shipments to the Orient, South America and Australasia.

The distances via water and rail to important markets are:

	Distances.	Statute Miles.
Prince Rupert to:	Chicago	2,658
	New York	3,566
	Seattle	932
Sitka to:	Chicago	3,113
	New York	4,021
	Boston	4,134
	Nautical Miles. ^a	
Sitka to:	San Francisco	1,302
	New York	6,564
	Honolulu	2,386
	Sydney	6,806
	Wellington	6,499
San Francisco to:	New York (via Panama)	5,262
	New York (via Magellan Strait)	13,135
	Yokohama	4,536
	Shanghai	5,387
	Manila	6,221
	Honolulu	2,091
	Panama	3,245
Valparaiso	5,135	

Regular mail service is maintained throughout the year via boat. The region is served by a military cable to Seattle, available to the public. Wireless stations, both Government and private, are well distributed along the coast.

During the last two weeks in April, 1920, the *West Coast Lumberman* reported about 100 cargoes loaded for Alaska from Portland. Most of these cargoes were destined for the canneries. Steamship lines plying from Alaska to the "outside" are the Pacific Coast Steamship Company, operating four steamships. The Alaska Steamship Company operates five passenger steamships and nine freight steamers. The Grand Trunk Pacific operates two steamers, the Canadian Pacific one steamer in Alaskan service. The Union Steamship Company operates 10 steamers to Alaskan ports. There are a number of other boats operating to Alaska and at Ketchikan the number of clearances of vessels per year is in the neighborhood of 2,000.

Aside from the regular ports of call by coastwise steamers, fishing boats and mail boats, there is no means of communication with outlying regions, which are reached only by special trips with boats (gasoline). The type used most successfully by the Forest Service is forty-five feet long, and should have a crew of two men. The service has not the facilities to take interested parties on scouting trips for timber and power site locations. There are, however, a limited number of boats for hire at all the principal ports at rates depending on the demand for the service and the character of the trip.

Topographic and Other Surface Features

Burchard (U. S. G. S., Bul. 592, 1914, p. 97), describes the general topographic and surface features as follows:

"The mainland and islands of southeastern Alaska are generally mountainous, and there is little level land either as upland area or along the shores. Along much of the coast line the hills and mountains rise abruptly⁴ and the dense forest growth, extending down to the level of high tide, overhangs the steep banks. The islands are separated by an intricate system of waterways and fiords, known locally as straits, canals, channels, passages, sounds, narrows, inlets, bays, coves, and arms, some of which reach far inland. Many of these waterways are very deep and can be safely navigated by the largest ocean steamers, but some are so shallow as to be navigable only at high tide by boats of moderate draft. The coast and entrances to harbors are rocky and in places the greatest care is necessary in order to avoid rocks that are barely submerged. The topography is so rough that only in

favored localities or at great expense can wagon or tram roads be constructed. The waterways are, therefore, of great value in affording routes of communication between different portions of the region and between this region and the Pacific coast ports of the United States. Indeed, were it not for water transportation the mining and quarrying industries in southeastern Alaska could scarcely have been developed.

The rock surface is in general thickly over-grown with small to medium-sized timber and dense underbrush and has a soil cover of decayed wood, moss and mold, from a few inches to 3 or 4 feet thick as a rule, but thicker in hollows and crevices in the rock.

Climate of the Region

Accurate climatic data for the region, based on observations taken at all the larger towns, are available from the records of the Weather Bureau. It must be remembered that these data were taken near tidewater and that the annual precipitation of a given catchment basin which includes country in the higher altitudes can not be assumed to be the same as at sea level. In this feature the data will be found lacking.

The dense forests bordering the shore line of southeastern Alaska are a direct expression of a moist, humid climate. The records of annual rainfall range between 80 and 130 inches. Three-quarters of the precipitation occurs from March to November. In the high altitudes the winter precipitation occurs largely in the form of snow, and in consequence the winter run-off is greatly reduced.

There is a difference of only two degrees in mean annual temperature between Puget Sound and Sitka. The mean temperature for January is 33° and for August 56°, an annual range of only 23° at Sitka. At Juneau, on the mainland, there is less oceanic influence and the mean annual temperature is lower, the difference being more marked in winter than in summer. The harbors of southeastern Alaska are ice free the year round and the water is warm enough to favor the marine teredo, which is very active in salt water in southeastern Alaska, so much so that piles designed to be permanent must be coated with a protective covering of cement or otherwise protected.

Altitude has a profound effect on climate and this is shown in the growth. The timber line limit of merchantable timber is found at about 2,500 feet above sea level.

Work in the open is possible at all times of the year, but logging operations are not profitable in the short days of winter. It is likely that a mill would rely on stored pulpwood for a three or four months' run. In Ketchikan it is stated that it is necessary to use artificial lights after three p. m. in December.

It is stated that the low summer temperature would be of advantage in sulphite mill practice. The low humidity is advantageous in drying operations.

Timber and Stand

The most widely distributed commercial tree on the Tongass is western hemlock (*Tsuga heterophylla*). It is a rapidly growing tree, and is suitable for either mechanical or chemical pulp, either alone or in mixture with other species. It is conservatively estimated that it forms 60 per cent of the merchantable stand. It is being extensively used for pulp at a number of plants in British Columbia.

Sitka spruce (*Picea sitchensis*) forms about 20 per cent of the stand. It varies greatly in percentage of mixture, from pure

⁴Reaching a maximum elevation varying from 4,000 feet in the southern part to 7,000 feet in the northern.

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^aA nautical mile equals 1.15 statute miles.

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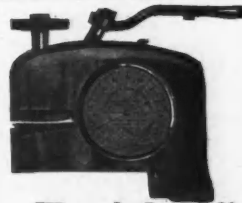
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REGIONAL DEVELOPMENT OF PULPWOOD RESOURCES

(Continued from page 58)

stands of 10 acres or less to stands in which it is practically absent. Spruce and hemlock form increasingly larger percentages of the stand of timber toward the north.

Other species forming approximately 20 per cent of the stand are western red cedar (*Thuja plicata*), yellow cypress (*chamaecyparis nootkatensis*) also a little cottonwood, birch, lodgepole pine, and white fir.

The stand of timber is roughly estimated for the Tongass Forest at 9,000 feet B.M., per acre, and the timber extends back from the coast in a belt approximately one mile wide. An average stand of 20,000 feet per acre of merchantable timber was found in a cruise of the Behm Canal Unit and individual stands of 100,000 feet per acre have been found over small areas. The Behm Canal Unit, as shown on the map, has a stand of approximately one billion feet B.M., of which 88 per cent is spruce and hemlock.

Spruce is used locally for saw timber, cedar for shingles, and hemlock for piling, especially at the canning factories.

Practically all of the timber in southeastern Alaska is under the control of the Government and within the boundaries of the National Forest, the exceptions being reservations and town sites. The area of land in private ownership is small.

Quality of Timber

The spruce in the commercial sizes is generally sound and of good quality. The hemlock, however, is apt to be defective, which may consist of partial decay at the butt, "black knots," or fluted trunks. The latter defect is pronounced only in the butt logs of the smaller trees, the bark in the very worst cases being recessed almost to the center in three or four places around the circumference. Both species in the smaller and inferior trees are apt to have numerous limbs extending near the ground. The hemlock logs unless seasoned are apt to sink in booms when in storage or in course of being towed from one point to another. In general, the hemlock is an inferior species to the spruce for pulp making and for lumber as well as many other purposes, and its present stumpage price is, therefore, commonly about half that of spruce.

All estimates above and to follow are based on stands from which wood "merchantable for pulp" may be taken. For either hemlock or spruce, decay in butt logs of "merchantable pulpwood" never exceeds 15 to 20 per cent and the decayed portion can be eliminated when the wood is prepared for pulp making (i.e., when being split or "broken up" with saws). Even when timber is badly affected with "black knots," the knots may be completely removed at an additional cost of "preparing," over the ordinary cost, of about \$1.00 per M, for hand work (i.e., chopping with an axe) as evidenced in actual practice. By using proper mechanical means, this extra cost of preparing the wood can be reduced one-third to one-half.

Fluted trunks can be used, since in preparing the wood for the "barkers" it has to be "sized" or split anyhow for pulpwood bolts over 12 inches in diameter. Therefore, in splitting, the pieces may as well be separated on the "flutings" as elsewhere. The standard rossing machines then can easily remove all of the bark without excessive waste of good wood. That "limbiness" is not a serious objection is evidenced by the fact that many eastern mills now use wood in the tops of trees to as small a minimum top diameter as 3 inches.

Cottonwood may be included in some of the Alaskan sales as a pulpwood, and it is locally considered to be suitable for no other use. While the Alaskan cottonwood is of about the same character as when grown elsewhere, the species in general is not of high quality, as it tends to be small, limby, rough, and subject to decay

at the heart and wherever fungi may enter through knot-scars. If the wood is used by the soda process of pulp making these defects are not objectionable.

All spruce and hemlock now considered merchantable for saw timber would make a high grade of pulpwood so far as defects are concerned. The proportions of timber that would be merchantable for saw timber and merchantable for pulpwood, but not for saw timber would of course vary in different stands and this feature would be carefully studied in developing specific projects.

(To be continued)

News of the St. Louis Trade

[FROM OUR REGULAR CORRESPONDENT.]

ST. LOUIS, Mo., June 26, 1920.—The Graham Paper Company was the only bidder on the print paper supply for the State of Missouri for the year beginning July 1. This concern, has had the contract for many years. The contract involves an expenditure of \$80,000. Prices range from 50 to 70 per cent higher than the present contract, although it is stipulated that the State will get the benefit of any reduction in prices that may come during the year. The contract for stationery and supplies was awarded again to Botz & Sons, Sedalia, the only bidder. Prices were 30 to 40 per cent higher than last year. The contract amounts to \$10,000. The Hugh Stephens Company, Jefferson City, present contractors and the only bidder, got the contract for State binding at prices 10 to 15 per cent higher than last year. The bids were opened and the contracts awarded by the State Board of Printing Commissioners at Jefferson City.

After two months of service, Herman F. Hoch has resigned the position of director of personnel for the Crunden-Martin Manufacturing Company. Mr. Hoch was formerly principal of Grover Cleveland High School, resigning his \$4,100 job because he regarded the salary as inadequate. He declined to discuss his reasons for leaving Crunden-Martin.

J. T. Mix Entertains Paper Men

The following item was clipped from a Western newspaper: "James T. Mix, manager of the Northwestern Paper Company of Duluth and Cloquet, will act as host during the next few days to a number of the leading paper manufacturers of the United States. Among the party will be S. W. Murphy, Appleton, Wis.; M. D. McAlpine, and E. E. Lloyd, Chicago, and J. C. Seiferth, New York. The manufacturers have been in conference at Appleton, but left that city by auto and will arrive here tonight.

"Mr. Mix will inform the party of the paper situation in the Northwest and especially this territory. The Northwestern company is an important factor in supplying paper for the Northwest and Mr. Mix is one of the best informed paper men in the country."

Hammermill Conference August 26-27

ERIE, Pa., June 28, 1920.—The ninth annual conference of the agents of the Hammermill Paper Company will be held Thursday and Friday, August 26 and 27. Dinner will be served at Lawrence Hall at 7 o'clock Thursday evening and the Hammermill Outing will be held on Friday.

The program for Friday begins with breakfast at the Lawrence Hotel at 8 o'clock, after which cars will be taken to the Kahkwa Club where golf, tennis, trap shooting, baseball and other sports have been provided for.

The return trip to Erie will be made at 6.00 o'clock and dinner will be served in the Lawrence ball room at 7.30 o'clock.

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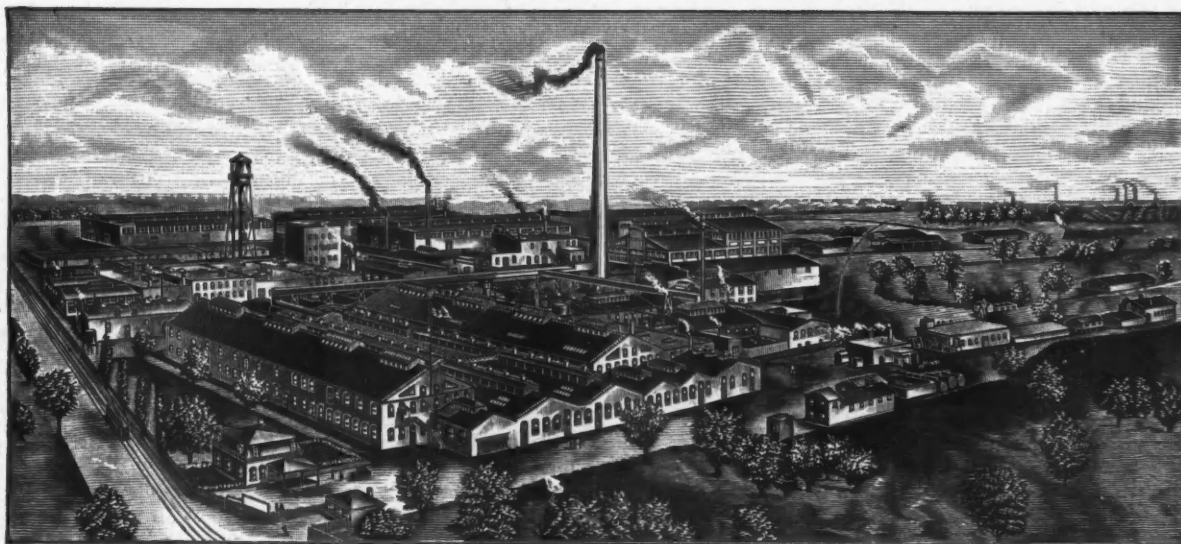
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Convention of German Pulp Manufacturers

LEIPZIG, June 10, 1920.—The annual convention of the National Association of German Pulp Makers was well attended, principally from Western and Southern Germany. Scarcity of wood was the principal complaint and the main subject discussed. People are burning wood instead of coal, as the latter fuel is not available. The pulp industry has been forced to buy valuable lumber and timber to feed the grinder. This, of course, increases the price of pulp and paper.

German pulp makers do not figure on any Russian or Siberian wood. Possibility of any such supply is too far removed to enter any actual calculations at this time. An agreement with the government of Czecho-Slovakia as to wood exports has been reached, it was reported. Any pulp maker who wants wood has to apply to the Wood Commission at Prague. The Prague government exacts an export duty of 30 per cent on all wood exported, figured on the basis of the selling price.

The association decided to urge a more rapid reforestation, by the authorities on public lands as well as by private estates. German forestry, it was reported, has lost some of its former knack and efficiency as a result of the war. In the interest of the German pulp industry denuding of wood lands without the corresponding planting of young trees must stop, according to the convention. A committee will take up the matter with the Forestry Department directly.

It was claimed that foresters are taking too much pains to protect game, forbidding the use of dynamite to blow up the stumps of trees, for instance, and the use of auto trucks in the forests, for fear the explosions and the noise of auto chugging might annoy some of the wild animals. The pulp makers insist their industry is of vastly more importance than the tender feelings of antlers and rabbits.

Complaint was made that some pulp makers have made "incorrect" statements in their bills of lading as to the dry contents of pulp. Some of the declarations are said to have been 5 per cent below the truth. The association is anxious to maintain German business integrity. Accordingly a uniform sales contract was adopted by the convention, to be used by all members of the association. Under this contract the pulp maker affirms that what he is selling is his own make. This clause is to prevent the system of pulp passing through several hands before reaching the paper maker. The price is to be figured on 100 kilograms of pulp "air dry," under the uniform contract. The pulp maker, when shipping, has to ascertain the percentage of the dry substance according to the rules prescribed by the association. The

wet weight and the percentage of dry contents has to be communicated to the buyer immediately. The contract also provides for arbitration whenever there is any dispute about the percentage of dry substance as to any particular shipment. Bills are payable 15 days after delivery. "Air dry" matter is to contain 88 per cent of completely dry matter and 12 per cent of moisture.

Dr. Paul Klemm, a chemist, said when the percentage of dry matter in pulp drops below 26 per cent it is no longer possible to determine the percentage of the dry substance accurately, not even approximately so. In cases where the presence of water goes beyond 74 per cent the water permeates the wood fibres and thus defies determination. It was pointed out that shipments of pulp containing too much water should be avoided as economic waste. Most of the pulp makers present said they never ship any pulp unless the percentage of water is down to 56. To expel water to a basis of 60 per cent, one simple press would suffice. Those putting the mass through two presses could do much better and would save on freight charges, although some of the paper makers prefer rather wet pulp for specific purposes.

American Writing Entertains Visitors

[FROM OUR REGULAR CORRESPONDENT.]

HOLYOKE, Mass., June 28, 1920.—Two hundred and thirty-five Master Printers of the New York Employing Printers' Association were the guests of the American Writing Paper Company on Tuesday, June 22. Their visit to Holyoke was a part of the schedule of the Association's annual educational trip.

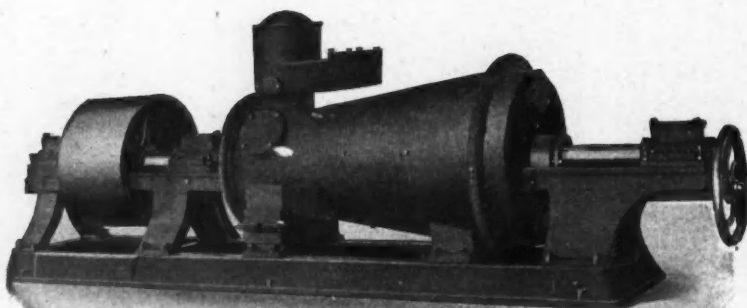
These men came by train from Albany, whither they had gone from New York by boat, and arrived at the Holyoke station at noon time. They were met by a large contingent of American Writing Paper men and taken immediately to the Hotel Nonotuck where a splendid luncheon was served.

After their repast the visitors were conveyed in automobiles, and by a special grouping arrangement which obviated any confusion, to the two mills of the company, the Linden and the Gill, and to the Department of Technical Control, which contains the finest industrial laboratory in the country.

The visiting arrangements were so planned that the company's guests were able to visit the two mills mentioned and the laboratory.

The groups themselves were subdivided into smaller contingents, each of which was accompanied by a guide who pointed out and fully explained the various processes of papermaking, and the special work and equipment of the laboratory.

THE DILLON JORDAN



Our latest Improved Machine, three sizes; belt or direct connected motor driven. All Bearings self-oiling, adjustable and water-cooled. Outside stand fitted with gauge to keep the plug central with the shell.

For full particulars apply to

DILLON MACHINE CO., Inc.
Builders of Paper Mill Machinery
Lawrence, Mass.

F. C. HUYCK & SONS

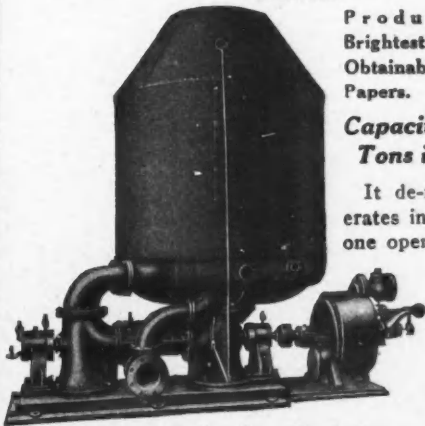
ALBANY, N. Y.



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

WINESTOCK

DE-FIBERING AND DE-INKING PROCESS
PATENTED



Produces Strongest, Brightest and Best Pulp Obtainable from Waste Papers.

Capacity—12 to 15 Tons in 24 Hours

It de-fibers and liberates ink and color in one operation. It separates ink and color from fibres, instead of rubbing, grinding or kneading them in.

Height of Machine Over All, 12 Feet

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E. D. Jones & Sons Co., Pittsfield, Mass.,

Builders in the United States

Waterous Engine Works, Co., Ltd., Builders and Selling Agents for Canada, Brantford, Canada.

The Procter & Gamble
Distributing Company
CINCINNATI, OHIO

Mills at Augusta, Georgia and Memphis, Tennessee

Makers of

Highest Grades Bleached Chemical
Pulp from Cottonseed Hull Fibre

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BLEACHED PULP



BUCKEYE

BLEACHED PULP



Especially Suitable for the Better Grades of Paper

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The Pulp & Paper Trading Co.

21 East 40th Street, New York City

Imports and Exports of Paper and Paper Stock

NEW YORK, BOSTON, PHILADELPHIA AND OTHER PORTS

NEW YORK IMPORTS

WEEK ENDING JUNE 26, 1920.

SUMMARY.

Cigarette Paper	699 cs.
Filter Paper	131 cs. 98 bls.
Drawing Papers	11 cs.
Wall Paper	14 bls.
Printing Paper	84 cs.
Tissue Paper	4 bls. 3 cs.
Writing Paper	7 cs.
Miscellaneous Paper	36 cs. 122 bls.

IMPORTS OF PAPER WEEK ENDING
JUNE 26, 1920.

CIGARETTE PAPER.

P. J. Schweitzer, Arabian Prince, Havre, 6 cs.
Chatham & Phenix National Bank, St. Paul,
Havre, 64 cs.

American Tobacco Co., Caroline, Bordeaux, 600

cs.
S. Alexandre, by same, 7 cs.
Liggett & Myers Tobacco Co., Providence, Mar-
seilles, 22 cs.

FILTER PAPER.

J. Manheimer, Caroline, Bordeaux, 98 bls.
E. Fougere & Co., by same, 61 cs.
C. G. Euler, by same, 90 cs.

DRAWING PAPER.

Reeve Angel & Co., Manhattan, London, 11 cs.

WALL PAPER.

R. F. Downing & Co., by same, 2 cs.
R. F. Downing & Co., by same, 12 bls.

PRINTING PAPER.

Herman Lips, Providence, Marseilles, 84 cs.

TISSUE PAPER.

Meadows, Nye & Co., Caronia, Liverpool, 4 bls.
A. W. Foster & Co. (Pittsburgh), by same, 3 cs.

WRITING PAPER.

Miller & Wright Paper Co., Noordam, Rotter-
dam, 7 cs.

PAPER.

C. H. Bonlin, Caroline, Bordeaux, 4 cs.
Cattre & Co., France, Havre, 3 cs.
Tobacco Products Corp., San Gennaro, Naples,
21 cs.

M. O'Meara Co., Besseggen, Kristiania, 122 bls.
J. Smith, St. Paul, Havre, 8 cs.

RAGS AND BAGGINGS.

Albion Trading Co., Manhattan, London, 174
bls. rags.

I. & J. Hyman, by same, 58 bls. rags.
Equitable Trust Co., Marianne, Oran, 300 bls.
rags.

E. J. Keller Co., by same, 341 bls. rags.
E. J. Keller Co., Canada, Marseilles, 10 bls.
paperstock.

Castle, Gottheil & Overton, Sidlaw Range, Dun-
dee, 159 bls. new jute cuttings, 74 bls. threads.

Castle, Gottheil & Overton, Oscoda, Bordeaux,
70 bls. rags.

Castle, Gottheil & Overton, Strathborne, Bor-
deau, 189 bls. rags.

Goldman, Sachs & Co., by same, 16 bls. paper-
stock.

E. J. Keller Co., Sidlaw Range, Leith, 87 bls.
old canvas.

Standard Bank of South Africa, by same, 151
bls. rags.

Irving National Bank, by same, 127 bls. rags.
Hughes & Fawcett, by same, 58 bls. flax waste.

E. J. Keller Co., Arabian Prince, Havre, 40
bls. bagging.

Paul Berlowitz, by same, 76 bls. bagging.

A. Salomon, Inc., by same, 397 bls. rags.
Equitable Trust Co., by same, 342 bls. rags.

National City Bank, by same, 209 bls. rags.
Heidelbach, Ickelheimer & Co., by same, 460 bls.
rags.

American Foreign Banking Corp., by same, 143
bls. rags.

Atlantic National Bank, by same, 84 bls. rags.
Dallas Waste Mills, by same, 65 bls. rags.

Ladenburg, Thalman & Co., by same, 40 bls.
rags.

W. Schall & Co., by same, 91 bls. rags.
Castle, Gottheil & Overton, by same, 241 bls.
rags.

Castle, Gottheil & Overton, Marengo, Hull,
10 bls. rags.

Atlantic National Bank, by same, 143 bls. bag-
ging.

E. J. Keller Co., by same, 51 bls. bagging.

First National Bank of Boston, Francis C.,
Hull, 560 bls. rags.

Farsons & Whittemore, by same, 1,151 bls.
rags.

Citizens National Bank, by same, 81 bls. rags.
Citizens National Bank, by same, 21 bls. news-
cuttings.

Wilkinson Bros. & Co., by same, 13 bls. bag-
ging.

Castle Gottheil & Overton, Caroline, Bordeaux,
246 bls. rags.

Albion Trading Co., by same, 34 bls. rags.
A. Salomon, Inc., by same, 1,095 bls. rags.

Dallas Waste Mills, San Gennaro, Naples, 153
bls. cotton waste.

E. J. Keller Co., by same, 171 bls. cotton
waste.

Scully Manufacturing Co., by same, 148 bls. cot-
ton waste.

Gatti-MacQuade Co., by same, 102 bls. cotton
waste.

OLD ROPE.

International Purchasing Co., Marengo, Hull,
498 coils.

International Purchasing Co., Francisco, Hull,
1,361 coils.

E. J. Keller Co., by same, 207 coils.
N. E. Bergen, by same, 154 coils.

Bemis Bros. Bag Co., New York City, Bristol,
211 coils.

Irving National Bank, Fred VIII, Copenhagen,
220 coils.

Bemis Bros. Bag Co., Sidlaw Range, Leith, 175
coils.

Old Colony Trust Co., Arabian Prince, Havre,
234 coils.

WOOD PULP.

Tidewater Papermills Co., W. H. Eastwood,
Liverpool, N. S., 5,933 bls.—593 tons.

Tidewater Papermills Co., Cape Blomidon, Liv-
erpool, N. S., 7,980 bls.—798 tons.

CHINA CLAY.

Reichard, Coulston Co., Inc., N. Y. City, Bristol,
80 bags.

Perkins, Goodwin & Co., by same, 108 casks,
54 tons.

Baring Bros. & Co., Ltd., by same, 225 bags.
E. M. & F. Wald, by same, 200 bags.

L. A. Salomon & Bros., by same, 50 casks—25
tons.

J. Lee Smith, by same, 200 casks—100 tons.
J. Lee Smith, by same, 160 bags.

Moore & Munger, by same, in bulk—113 tons.
Luke Knodes, by same, in bulk—150 tons.

BOSTON IMPORTS

WEEK ENDING JUNE 26, 1920.

PAPER.

J. M. Grosvenor & Co., Mississippi, London, 4
cs. wafer paper.

Charles E. Lauriat & Co., by same, 29 cs. new
books.

Davies, Turner & Co., by same, 2 cs. paper.

PAPER STOCK.

True & McClelland, Angelo, Mexican, Glasgow,
122 bls. flax waste.

Edwin Butterworth & Co., by same, 34 bls. flax
waste.

International Purchasing Company, by same, 25
coils manila rope.

Bird & Son, Inc., by same, 125 bls. rags.
John Hughes, by same, 62 bls. bagging.

International Purchasing Company, Mississippi,
London, 594 pkgs. manila rope.

Smith P. Company, by same, 90 bls. old rags.
R. T. Downing & Co., Mercian, Manchester,
209 bls. new rags.

Edwin Butterworth & Co., by same, 983 bls.
paper stock.

Hill & Cutter, by same, 95 bls. bagging.
Train, Smith Company, by same, 1,108 bls.
paper stock.

Atlantic National Bank, by same, 87 bls. roof-
ing rags.

Maurice O'Meara Company, by same, 211 bls.
paper stock.

HIDE CUTTINGS.

Edwin Butterworth & Co., Mercian, Manchester,
131 bbs.

E. F. Russ & Co., by same, 348 bgs.

NEW NIAGARA BEATER

(Continued from page 52)

"As proof of what these changes have accomplished the follow-
ing data is given. On an all sulphite furnish of Mitscherlich pulp,
the charge being 2,180 pounds air dry at 8.4 per cent consistency,
it was beaten in one hour, against 3½ to 4 hours in the usual
beater. The rate of travel of the stock was 60 feet per minute
or it passed the roll more than 60 times an hour. With the same
furnish at 7.0 per cent consistency, the rate of travel was very
close to ninety-six feet per minute, and the stock came under
the roll about one hundred times an hour. The power consumed
was 150 H. P. hours, compared to 200 H. P. hours in the older
type, a saving of 25 per cent in power and doing the work in
one-quarter of the time.

"On a book furnish where the work is mostly breaking up the
pulp and broke, the stock being Jordanned quite severely, the
usual time in this beater for filling, beating and dumping is not
more than 20 minutes, compared to 60 minutes in the old type.
The consistency is about 8½ per cent air dry, and the rate of
travel about 80 feet per minute. The power required in the new
beater is about 20-25 H. P. hours, compared to 50 H. P. hours in

the old, a 50 per cent saving, and doing the work in one-third of
the time.

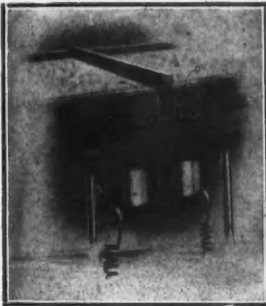
"In beating a charge of No. 1 new overall cuttings, 1,600 pounds
air dry at a consistency of 6.5 per cent, the time required was
two hours and 50 minutes, compared with 8-9½ hours in the old
type of beater, at an estimated saving in power of from 15-20 per
cent and one-third of the time. The power saving is estimated
because the older type beaters were driven from a line shaft run
by water wheels, and the exact power used is not known."

"Briefly the advantages of this beater are: Shortened beating
time. Lessened power costs. Saving in floor space. Smaller initial
investment. Lower labor costs. Uniform quality of beating."

Globe Rotary Boilers for Paper Mills

AKRON, Ohio, June 28, 1920.—The Biggs Boiler Works Com-
pany made shipment last week of a 14-foot Globe rotary bleach-
ing boiler required at the mill of the Upton Company, Lockport,
N. Y.

The company also secured the contract for four of its standard
14-foot Globe rotary bleaching boilers for the new plant of the
Monroe Corrugated Box Company, Monroe, Mich.



TYPE "B" IRON EXTRACTOR

It consists of special magnetic surfaces of great power over which the paper stuff is made to pass. As a result, all the iron and many other foreign substances are completely extracted. Hundreds of these devices are in use daily and no one of them has failed to give complete satisfaction. Write us for Bulletins and full details.

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FORGE LAP-WELDED

SOFT STEEL

DIGESTERS

ALL SEAMS LAP-WELDED

AMERICAN WELDING COMPANY

CARBONDALE, PA.

VERTICAL SEAMS HEATED WITH FURNACES AND WELDED WITH HYDRAULIC POWER

CIRCUMFERENTIAL SEAMS HEATED WITH FURNACES AND HAMMER WELDED



All Jeffrey "Reliance" Chains are provided with a wide wearing shoe on one side of the link.

Jeffrey "Reliance"

Riveted Malleable Chains

Are good general service chains for Elevators, Conveyors and Power Transmission.

Jeffrey Chains of various types have proved their worth in Paper and Paper Mill service in the handling of logs, pulp-wood, pulp laps, straw, wood chips, packages, etc.

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Note the double keyed pin head to prevent the pin from turning.



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Paper Shopping Bag With Handle For Shopping or Knitting. With and without colored pictures.



Paper School Bag of kraft paper, two sizes.

Do not refuse business. Carry our line of heavy kraft paper shopping bags. Best sellers on the market. Samples sent to rated concerns only. Inquiries from jobbers solicited.

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We are now making plain and fancy shopping bags in oil cloth and imitation leather.

PULP STONES

of absolutely the finest quality

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Importers and Dealers
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When you buy Greaseproof Paper, insure your judgment as a buyer by specializing on Purity and Berkshire Brands manufactured by the Mountain Mill Paper Company.

In the above grades, you can be sure of a high quality product fully greaseproof.

Samples sent upon request.


MOUNTAIN MILL PAPER COMPANY

LEE, MASSACHUSETTS




Our New 25c. Package


SANISPOONS




SODA SPOON



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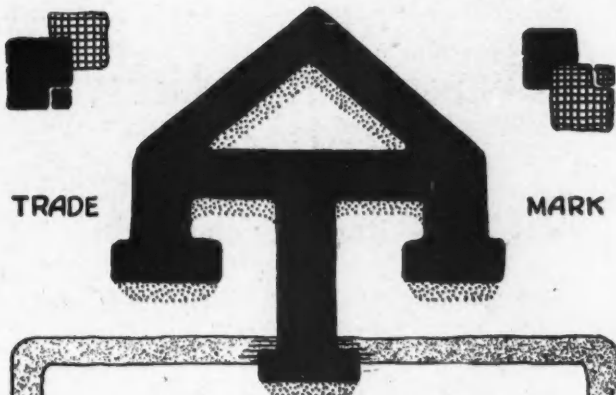


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The greatest invention since the sanitary drinking cup.

The only sanitary spoon on the market that does not offend the taste or look cheap. Sanispoons made in 3 sizes. Sanifork one size. Sold in sanitary cartons, glassine envelopes and in bulk. Handled by jobbers everywhere. Write for samples.

Sanitary Products Corporation of America
Successor to Sanispoon Sales Co.
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In addition to being general paper distributors, we are manufacturers of

Paper Twine, Paper Tubes, and Paper Cores for Paper Mills

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Paper Stock
New Cuttings
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CASTLE, GOTTHEIL & OVERTON

Jute Stock
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WE SPECIALIZE REPAIRING

**SEND US
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GAUGES**

**WE CAN MAKE
THEM BETTER
THAN NEW**

**PROMPT DELIVERY
GUARANTEED**

BEFORE **AFTER**

UNIFORM QUALITY AT A SATISFACTORY COST

WE PAY EXPRESS CHARGES BOTH WAYS

The men employed by us are experts in this line. We have the capacity and equipment to handle a large amount of this work. Give us a trial.

Write for particulars of Our New Hydraulic Gauge. Eliminates spring troubles and stops Vibration.

THE MANNING GAUGE CO., Inc., 77 TRAVERSE ST., BOSTON, MASS.



Manufacturers of

Coated Cardboard, Boxboard and Lithograph Paper, including Lithograph Blanks, Postal Card Stock, Tough Check, Railroad, Thick China, Transluents and Menu Board.

Our Boards and Papers lie flat, hang straight, and register because they are made right.

Orders for regular or special sizes are given prompt attention. Quality guaranteed.

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EASTERN SALES OFFICE, 501 Fifth Avenue, NEW YORK CITY

HIGH GRADE Paper Mill Machinery

Web Sheet CALENDERS Breaker Friction
Belt Driven PLATERS Motor Driven

Rag Room Equipment

Fan Dusters Rag Thrashers Railroad Dusters

NORWOOD ENGINEERING COMPANY
FLORENCE, MASS.

"DRAPER" FELTS

For Any Grade of Paper or Pulp

ARE GUARANTEED

To Give Entire Satisfaction

MANUFACTURED BY

DRAPER BROS. CO., CANTON, MASS.

Dependable Water Pressure

Caldwell Tubular Towers give you a positive, dependable water supply at a good pressure—all year 'round.



They are strong and durable, and yet so simple you can easily erect one yourself. Approved engineering principles throughout and workmanship, backed by thirty years' experience, make it a permanent, satisfactory investment.

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W. E. CALDWELL Co.,
INCORPORATED,
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**TANKS
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TOWERS**

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Eliminating All Valves, Pistons, Gears—Minimizing Maintenance and Repairs

Our Best Testimonials Are Repeat Orders
Many customers using from FIVE to SIXTY-FIVE
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THOMAS H. SAVERY, Jr.
1718 REPUBLIC BLDG. CHICAGO, ILL.

Associate New England States
Mr. Gilbert Howe Gleason, 141 Milk St., Boston

Buchanan & Bolt Wire Company

ESTABLISHED 1878 AT HOLYOKE, MASS.

Makers of Highest Grade Fourdrinier Wires, Dandy Rolls, Cylinder Covers, Brass Wire Cloth of all Meshes for Paper, Pulp and Coating Mills—Quality Guaranteed

We make a specialty of Fine Wires for Magazine and Book Papers

Penn Paper and Stock Company

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STRATFORD PAPER CO.

JERSEY CITY, N. J.

Mr. Peter J. Schweitzer, 109 Broad St.,
New York City, Sole Export Agent

MANUFACTURERS OF Fourdrinier Tissues, White and Colored, G. B. Silver, Manifold, Celluloid and Specialties

The Union Sulphur Company

Producers of the Highest Grade
Brimstone on the Market . . .

ABSOLUTELY FREE FROM ARSENIC OR SELENIUM

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Main Offices: Whitehall Bldg., 17 Battery Place, New York

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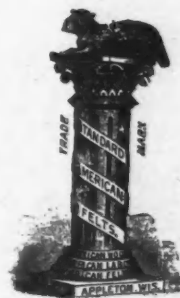
Consult us if you are looking
for Foreign Rags.

PAPER MAKERS' SUPPLIES

APPLETON FELTS AND JACKETS

Manufactured by

APPLETON WOOLEN MILLS, Appleton, Wis.



New York Market Review

OFFICE OF THE PAPER TRADE JOURNAL,
WEDNESDAY, JUNE 30, 1920.

With the passing of time, so passes the hopes of relief in shipping conditions in the immediate future. Generally, it is said that freight movements are about as bad as ever, if not worse. When cars are obtainable there seem to be embargoes, and when embargoes are lifted, cars are at a premium. Present hopes are blasted and business is being carried on under the most trying circumstances. Prices throughout the trade continue firm, with waste papers showing an upward tendency, which has manifested itself in increased prices in No. 1 white news, new boxboard chips and all grades of manilas. The prevailing ideas on prices seem to coincide and from all quarters comes the reports that the fall business will be good.

The spot market in news print continues very quiet. During the past week prices eased up and the more general quotation was 12 cents. With this slight softening a little buying took place, not for reserve purposes, it is thought, but really for present needs. Large quantities of news print do not seem to be available on the open market, for it appears that both the small publishing concerns and jobbers are playing a "watchful waiting" game in expectations of lower prices. Sheet news print holds firm and quotations are around 14 cents. Manufacturing costs, the scarcity of raw materials and inferior transit accommodations all tend to produce a very firm effect on contract news print.

In the book paper market conditions are about the same. The demand continues strong and there is not sufficient paper to go around. A little book paper is reported as coming through, for shipping slightly improved in this field. Prices are, naturally, very firm.

The market in fine papers remains firm. Business is good and orders are going through, even though things are generally quiet during the week of July 4. The railroad situation is as bad as ever; embargoes and slow freight movement still exist.

Tissue demands are good, and it is reported that sales can be made for all the tissue available. The mills have all the business they can successfully handle, which necessitates some business transacted on the allotment basis in order to satisfy all. The stocks of the tissue jobbers are very low, and while they refrained from buying, thinking prices would come down, they seemed to be compelled to make purchases for immediate delivery. It is generally expected that prices will remain firm for a while, due to the scarcity of the raw materials, etc., and freight movement, which is certainly not conducive to the accumulations of large stocks at the consuming centers.

Conditions in the paper board market are reported as being very bad. Shipping has tightened up and more embargoes are affecting this industry due to strikes. The demand is good, and an increase in buying is anticipated. The business of the stiff or set-up boxmakers is rather quiet, hence they are making few purchases, but other users of paper board are buying. In the industry no reason can be discerned that would cause a decline in prices. From some quarters it is said that a little trouble exists at the plants.

The coarse paper market continues firm, in spite of a temporary quietness in many lines. While most consumers are looking for lower prices, it is easy to see that this is more of a reflection of the tendency in some other businesses than from a knowledge of paper market conditions. Most mills and jobbers are optimistic in their views for the fall season, although there is no noticeable trace of speculative buying. In many quarters it is thought that normal consumer buying efforts will send prices a little higher.

Mechanical Pulp

This market is in a most unusual state. The demand continues

tremendous, while practically none can be secured. Even though the general quotations are very high, every now and then one hears of outrageous prices being asked for—and in some cases paid—ground wood. Production is said to be below normal. The main reason given is that some mills must get their wood from places other than the timberlands directly adjoining their plants, and that the freight congestion thus hinders their supply.

Chemical Pulp

The prices of chemical pulp remain very firm, with a slight increase in some lines, the most apparent increase being that of domestic bleached sulphite, the minimum price of which is now 11 cents. The enormous demand continues, with little available tonnage on hand.

Little foreign pulp is coming in as compared with importations of normal times. Receipts from abroad of some kraft sulphate and some Mitscherlich sulphite are reported, but very little easy bleaching sulphite is coming over.

Domestic and Foreign Rags

All grades of new rags are holding firm. The demand for old rags has eased off a little, but the supply is not plentiful enough to cause, in turn, an easing off in prices, with the exception of the lower grades of roofing rags.

The French embargo has not been felt here as yet, but not much buying of foreign rags is recorded because domestic consumers cannot afford to pay the prices asked. Besides, conditions at the piers are still bad, and importations are still attended with much trouble and added expense.

Old Rope and Bagging

During the past several weeks the mills showed little interest in rope, but the prices this week remained firm.

Little interest is also reported in bagging during last week. Domestic dealers are getting a fair price for good packings of bagging. A firm market obtains.

Waste Paper

Conditions in this market are very good. The demand exceeds the supply, and prices show an inclination to rise. A good inquiry is said to exist on the part of the mills for all grades. The most appreciable price advance manifests itself in No. 1 white news, quotations now being 4.90@5.10 cents.

Twines

This market is very firm. The supply remains less than the demand. This business is still bothered by poor transportation facilities. The new price lists expected from the mills have not been published, although, as stated before, no open price lists really exist in this field. From some quarters it is even stated that before taking orders the mills must be consulted. However, quantities on order and specifications are still restricted by the mills.

French Paper Maker Visits Watertown

[FROM OUR REGULAR CORRESPONDENT.]

WATERTOWN, June 28, 1920.—Eloi Bedat of Nanterre, France, assistant to the general manager of the Papeterie de la Seine, a French paper manufacturing concern, arrived in Watertown this morning to inspect paper machines at Bagley & Sewall plant here. He came to the United States to purchase a paper trimming machine and plans to visit several American factories before he returns to Europe.

Mr. Bedat was in Watertown about fifteen years ago. At that time he remained for three months.

The firm with which Mr. Bedat is associated manufactures news print paper. The company supplies *La Petit Parisien*, one of the leading French dailies, and a number of magazines and smaller newspapers. The paper mill men are having considerable trouble obtaining wood pulp and sulphite but otherwise are operating their factories with little difficulty.

Market Quotations

Paper Company Securities

New York Stock Exchange closing quotations June 29, 1920.

Table of Paper Company Securities with columns for Stock Name, Bid Price, and Asked Price.

Because of the unusual conditions prevailing in the various markets quotations are more or less nominal.

Paper

Table of Paper products including Bonds, Ledgers, Writing, News, Tissues, Kraft, and Fibre Papers.

Mechanical Pulp

Table for Mechanical Pulp with columns for product name and price.

Chemical Pulp

Table for Chemical Pulp with columns for product name and price.

Domestic Rags

Table for Domestic Rags with columns for product name and price.

Table of Paper products including New Black Soft, New Light Sec, and White, No. 1.

Table of Paper products including White, No. 2, St. Soiled White, and Thirds and Blues.

Table of Paper products including Foreign Rags, New Light Silesias, and Unbleached Cottons.

Bagging

Table for Bagging with columns for product name and price.

Twines

Table for Twines with columns for product name and price.

Table of Paper products including Tube Rope, Paper Makers Twine, and Sial Hay Rope.

Old Waste Papers

Table for Old Waste Papers with columns for product name and price.

CHICAGO

[FROM OUR REGULAR CORRESPONDENT.]

Table of Paper products including All Rag Bond, No. 1 Rag Bond, and Water Marked Sulphite.

Table of Paper products including 100 Test, Solid Wood Pulp, and Filled Pulp Board.

PHILADELPHIA

[FROM OUR REGULAR CORRESPONDENT.]

Table of Paper products including Bonds, Ledgers, and Writings.

Table of Paper products including Best Tarred, 1-ply, and Best Tarred, 3-ply.

Old Papers

Table for Old Papers with columns for product name and price.

(Continued on page 74)

News of the Kalamazoo Trade

[FROM OUR REGULAR CORRESPONDENT.]

KALAMAZOO, June 28, 1920.—Paper pulp, manufactured from second grade cotton and the fibre from cotton hulls, will be offered for sale in the Kalamazoo river valley district in the next few months. C. H. Noble, formerly connected with the production department of the King Paper Company, has resigned his position to accept the sales agency of the new product in this territory. Cotton pulp is the product of the recently organized Stamsocott Company, Incorporated, Hopewell, Virginia. It is a commodity developed during recent years and is now being produced successfully, though to date in comparatively small quantities. The inventors claim that it will prove an important factor in relieving the serious wood pulp shortage that now exists at the various mills and will be particularly efficacious in the manufacture of all grades of papers.

The Kalamazoo Paper Company is engaged in completely re-equipping its boiler house. The original battery of ten 250-horse power Wickes vertical water tube boilers is being replaced with five 500-horse boilers of the same make. In the work at hand the company has also found it advisable to practically rebuild the boiler house, install new concrete bases and make other improvements. When the improvements are completed this division of the big plant will be as good as new.

The Lake Superior Paper Company, of Sault Ste. Marie, Mich., has purchased a two-passenger seaplane. It will be used by the company's forestry department and is for use in visiting the company's pulp areas.

B. C. Dickinson, president of the Standard Paper Company, has returned from New York.

Peter King is home from a business trip to eastern points.

J. H. Dewing, vice-president of the Standard Paper Company, and wife and daughter, sailed this week for England.

W. J. Power, 103 years old, has renewed his license in this city to gather paper stock, old magazines, etc., by a house to house canvass. He has built up a considerable business for a strictly local one and is actively engaged every day, no matter what may be the state of the weather.

Bailey Ayres Wright, son of Mr. and Mrs. C. H. Wright and Miss Ethel VandeGiessen, were married June 7 in Cincinnati, Ohio. Mr. Wright was at one time associated with his father in the wholesale paper business.

To Pay Miami Tissue Mills' Creditors

DAYTON, Ohio, June 28, 1920.—Judge John W. Peck of the United States District Court, confirmed the composition offered to creditors by the Miami Valley Tissue Mills Company of Franklin, and ordered distribution according to its terms.

Under the composition, creditors will receive 100 per cent in cash for small claims and in preferred stock or promissory notes of the Superior Paper Company, Franklin, the reorganized company, on the larger claims, the creditors having the privilege of election as to stock or notes.

As stated last week the tissue mills company had deposited \$65,000 in the First National Bank in Hamilton, to cover the cash payments and the costs.

Phoenix Paper Plant Burned

TROY, N. Y., June 28, 1920.—The tissue paper mill of the Phoenix Paper Company at Battonville, near Greenwich, was destroyed by fire Sunday, together with one of the company's houses. The loss is about \$150,000, partially covered by insurance.

Finland's Cellulose Association has sent Engineer Anton of Forselles, of the Enso Paper Mill, to England, where he is studying processes to measure humidity and quality of cellulose.

Paper
Stock

ESTABLISHED 1885

Last year the combined plants of the Mendelson Bros. Paper Stock Co. handled an average of 300 tons of paper stock every day. Business expanded to an unheard-of degree.

WHY? BECAUSE—the Mendelson organization is efficient, trustworthy and capable of handling this business. Since 1885 we have specialized in one thing until today we are recognized as one of the most reliable sources of supply for paper manufacturers.

BECAUSE—Our aim in conducting business is prompt shipments, correct service and taking orders only that we can fill, and to pack only a clean, uniform product throughout.

Due to recent expansions we are now prepared to take on a large volume of additional tonnage. If you are a paper manufacturer who can use any of our forty different grades of paper stock, we want you to become another of our satisfied connections.

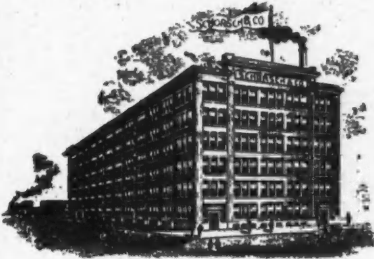
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Guaranteed Flat Gummed Paper



The Leader for Seventy-five Years

IDEAL COATED PAPER CO.

Mills and Main Office, BROOKFIELD, MASS.

NEW YORK CHICAGO CINCINNATI

Miscellaneous Markets

Office of the PAPER TRADE JOURNAL,
WEDNESDAY, June 30, 1920.

ALUM.—The demand for this commodity continues fair, while an over-plentiful supply in the local market is prevented by poor transit facilities. Prices are: lulp 4@4.50 cents; ground, 4.25@4.62 cents, and powdered, 4.75@5 cents, f. o. b. New York.

BLANC FIXE.—A scarcity is reported in this market, while a brisk demand is apparent. From the factory in carload lots \$100 is the current quotation, while the price per pound is 6.50 cents.

BLEACHING POWDER.—A limited supply of this product is reported, which does not permit the requirements of the trade to be fully satisfied. For spot supplies the price is 6.50@7 cents the pound.

BRIMSTONE.—Conditions in this field remain unchanged. The market is rather quiet, with no oversupply reported. The price is around \$18 per ton of 2,240 pounds, at the mines.

CASEIN.—Many inquiries are reported in this market, while very little casein is coming in, and there is really no spot material available. The quotation, in carload lots, ex-steamer, is 15 cents the pound.

CAUSTIC SODA.—Inquiries for this commodity were a little duller than last week. For prompt shipment from the works, f. a. s., prices are \$6.25 per 100 pounds. For spot supplies, \$6.40@6.50 per 100 pounds.

CHINA CLAY.—Weather conditions continue favorable at the mines for a continued good production. Prices are as follows: Georgia clay, \$12@13 per ton; South Carolina clay, \$10@11 per ton, and Blue Ridge clay, \$15@17 per ton.

ROSIN.—A fair demand exists with a reported scarcity of spot supplies in New York. Quotations last week in carload lots, f. o. b. New York, on the first available steamer space, were: Grade E, \$17.65; grade F, \$17.70, and grade G, \$17.75.

SODA ASH.—An active demand continues for soda ash, with a supply that just about can meet the consumers' wants. Prices are very firm and are quoted from works in single bags, \$3.15; in barrels, \$3.25. For spot goods, \$3.20@3.50.

SATIN WHITE.—A very good demand prevails in this market with the plants just about able to take care of the orders. Prices for spot goods are quoted as: 2.25@2.50 cents per pound.

STARCH.—Poor freight movements continue to hinder the supply from reaching ready consuming centers. Prices, freight paid to New York in carload lots, per 100 pounds, are: Pearl starch in bags, \$5.47, in barrels, \$5.94; powdered starch in bags, \$5.62, in barrels, \$6.09; and crystal T. B. starch, No. 90 fluidity, machine packed in bags, \$6.77, in barrels, \$7.28.

SULPHATE OF ALUMINA.—The supply in this market still falls very short of the persistent good demand. Little can be gotten in the open market. Inability of plants to get raw material is the chief cause of this shortage. Prices are: commercial grade, 2.75@3 cents per pound, works; iron free, 3.50@4 cents per pound, works. Commercial, 3@3.50 cents, and iron free, 4.25@4.75 cents.

TALC.—Conditions in this industry remain unchanged since last week. Shortage of cars is the main cause for concern. Where three or four cars a day are needed, a concern gets two cars a week. The price is \$18@20 a ton, f. o. b. works.

France Prohibits News Print Imports

The Department of Commerce, at Washington, has received a cable from American Commercial Attache Huntingdon at Paris stating that a French decree has been published prohibiting the importation into France and Algeria of all news print paper and waste pulp for the manufacture of news print paper except under special license from the Minister of Finance. Goods en route to France or Algeria or declared at warehouses before the publication of the decree (June 16) are not subject to prohibition.

Market Quotations

(Continued from page 71)

No. 1 Soft White	6.25 @ 6.30	Cottons—according to grades—	
No. 2 Soft White	4.50 @ 4.75	Blue Overall	11.25 @ 12.25
No. 1 Mixed	2.50 @ 2.75	New Blue	8.50 @ 9.00
No. 2 Mixed	1.75 @ 1.80	New Black Soft	6.75 @ 7.00
Solid Ledger Stock	4.25 @ 4.50	New Light Sec-	
Writing Paper	4.00 @ 4.25	onds	7.00 @ 7.25
No. 1 Books, heavy	3.60 @ 3.75	Khaki Cuttings	7.25 @ 7.75
No. 2 Books, light	2.50 @ 2.75	Corduroy	6.50 @ 6.75
No. 1 New Manila	4.50 @ 4.60	New Canvas	14 @ 14.50
No. 1 Old Manila	3.50 @ 3.75	New Black Mixed	5.25 @ 5.75
Container Manila	2.75 @ 3.00	Old	
Old Kraft	4.50 @ 4.75	White, No. 1—	
Overissue News	2.50 @ 2.75	Repacked	13.00 @ 13.50
Old Newspaper	2.25 @ 2.30	Miscellaneous	10.00 @ 10.25
No. 1 Mixed Paper	2.00 @ 2.10	White, No. 2—	
Common Paper	1.75 @ 2.00	Repacked	7.00 @ 7.50
Straw Board, Chip	1.90 @ 2.00	Miscellaneous	6.00 @ 6.50
Binders' Bd. Chip	1.90 @ 2.00	Thirds and Blue	
Domestic Rags—New			
Price to Mill, f. o. b. Phila.			
Shirt Cuttings—			
New White, No. 1	19 @ 19 1/4	Repacked	5.25 @ 5.50
New White, No. 2	12 1/2 @ 13	Miscellaneous	4.75 @ 5.00
Silesias, No. 1	12.25 @ 12.75	Black stockings	4.87 @ 5.00
New unbleached	15.25 @ 16.25	Roofing Stock—	
Washables	10.75 @ 11.00	No. 1	3.15 @ 3.50
Fancy	12.25 @ 13.00	No. 2	3.25 @ 3.40
		No. 3	2.25 @ 2.50
		No. 4	3.00 @ 3.25
		No. 5A	3.00 @ 3.25
		B	2.75 @ 3.00
		C	1.50 @ 1.60

BOSTON

[FROM OUR REGULAR CORRESPONDENT]

Paper		Old Papers	
Bonds	.20 @ .45	Shavings—	
Ledgers	.18 @ .30	No. 1 Hard White	6.50 @ 7.00
Writings—		No. 1 Soft White	2 @ 5.50
Superfine	.21 @ .24	No. 1 Mixed	2 @ 2 1/2
Fine	.15 @ .24	Ledger and Writ-	
Books S & S C	.18 @ .26	ings	4.00 @ 4.50
Book, M. F.	.17 @ —	Solid Books	3.00 @ 4.00
Book, Coated	.22 @ .30	Blanks	3.00 @ 3.25
Label	.21 @ —	No. 2 Books, light	2.50 @ 3.00
News Sheets	.16 @ —	No. 1 Manila	3.00 @ —
News, Rolls	.08 @ .08 1/2	No. 1 Manila	2.00 @ 2.50
Manila—		Folded News (over-	
No. 1 Manila	.10 @ .12	issues)	2.00 @ 2.50
No. 1 Fibre	.08 @ .08 1/2	Old Newspaper	.02 @ .02 1/2
No. 1 Jute	.14 @ .14 1/2	Mixed Paper	1.50 @ 1.60
Kraft Wrapping	.12 @ .13	Gunny Bagging	3.50 @ 4.00
Common Bogus	.05 @ .09	Manila Rope	7.50 @ 7.75
These prices are f. o. b. mill. Board prices only at time of shipment.			

TORONTO

[FROM OUR REGULAR CORRESPONDENT.]

Paper		Old Waste Papers	
(Mill Prices to Jobbers)		(In carload lots, f. o. b. Toronto)	
Bond—		Shavings—	
Sulphite	15 1/2 @ —	White Env. Cut.	7.00 @ —
Light tinted	16 1/2 @ —	Soft White Book	
Dark tinted	18 @ —	Shavings	6.75 @ —
Ledgers	18 @ —	White Blk News	5.00 @ —
Writing	14 1/2 @ —	Book and Ledger—	
News, f. o. b. Mills—		Flat Magazine and	
Rolls (carloads)	5.50 @ —	Book Stock (old)	3.90 @ —
Sheets (2 tons or		Light and Crum-	
over)	6.00 @ —	pled Book stock	3.20 @ —
Sheets (less than		Ledgers and Writ-	
2 tons)	6.15 @ —	ings	3.80 @ —
Book—		Solid Ledgers	4.00 @ —
No. 1 M. F. (car-		Manila—	
loads)	11.50 @ —	New Manila Cut.	4.50 @ —
No. 2 M. F. (car-		Printed Manilas	2.50 @ —
loads)	11.35 @ —	Kraft	4.25 @ —
No. 3 M. F. (car-		News and Scrap—	
loads)	10.15 @ —	Strictly Overissue	2.50 @ —
No. 1 S. C. (car-		Folded News	2.25 @ —
loads)	12.00 @ —	No. 1 Mixed Pa-	
No. 2 S. C. (car-		pers	2.10 @ —
loads)	11.85 @ —	Domestic Rags—	
No. 1 Coated and		Price to mills, f. o. b. Toronto.	
litho	17.50 @ —	Per lb.	
No. 2 Coated and		No. 1 White shirt	
litho	16.50 @ —	cuttings	.19 1/2 @ .20
No. 3 Coated and		No. 2 White shirt	
litho	15.25 @ —	cuttings	.13 1/2 @ —
Coated and litho.		Fancy shirt cut-	
colored	17.50 @ —	tings	.13 @ .14
Wrapping—		No. 1 Old whites	10 1/4 @ .11
Grey	9.75 @ —	Thirds and blues	.05 @ .05 1/2
"B" Manila	10.00 @ —	Per cwt.	
No. 1 Manila	11.00 @ —	Black stockings	5.00 @ —
Fibre	11.00 @ —	Roofing stock	
Kraft, M. F. or		No. 1	3.00 @ —
M. G.	12.50 @ —	Roofing stock	
		No. 2	2.90 @ —
Pulp		Gunny bagging	4.00 @ —
(F. o. b. Mill)		Manila rope	8.00 @ 8.50
Ground Wood	110.00 @ —		
Sulphite, easy bleach-			
ing	180.00 @ 190.00		

The Mathieson Alkali Works (Inc.)

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Niagara Falls, N. Y.

New York City

Works
Saltville, Va.

"EAGLE THISTLE" BRAND OF PRODUCTS

Bleaching Powder

Highest Test Manufactured

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

Special wooden lined drums for export.

Liquid Chlorine

100% pure, anhydrous, in improved 100 lb.—150 lb.—2,000 lb. containers.

Soda Ash

58 per cent, both light and dense shipped in bulk—Bags and Barrels
Special packages for export.

Caustic Soda

Solid—Ground—Flaked

60%—70%—72%—74%—76%—78% Grades.

The electrolytic 78% Grade, analyzing 99.70% Hydrate of Soda, purest caustic made.

Bicarbonate of Soda

Packed in Cases—Bags—Barrels—Kegs

If you have a problem to solve write us and get the advantage of our
Technical Department.

WANT AND FOR SALE ADVERTISEMENTS

HELP WANTED

CLASSIFIED RATES

Minimum rate for advertisements of 25 words or less, first insertion, \$1.00.

SITUATION WANTED, 4 cents a word for first insertion and 2 cents a word for each subsequent insertion of same ad. No ad of less than 25 words accepted.

HELP AND MISCELLANEOUS WANTS, and small For Sale Ads, 4 cents a word for each and every insertion. No ads of less than 25 words accepted.

When answering advertisements, please address the Box Number given in ad.

Answers can be forwarded care Paper Trade Journal, and will be promptly forwarded without extra charge. All should be sent to the New York office, 10 East 39th street. And all should be addressed as the advertisement directs in every case and not simply to the paper.

All classified ads for the current issue must be in hand not later than Monday preceeding date of publication.

WANTED—First class all-around millwright for Sulphite and Paper Mill. Plant well located in Middle West. Good wages; steady employment. Address, Box 2341, care Paper Trade Journal. Ju-1

MILLWRIGHTS, Machinists and Steamfitters wanted. Mill in Northern Illinois, operating on open shop basis. Good wages and steady employment. State experience. Address, Box 2339, care Paper Trade Journal. Ju-1

ENGINEER WANTED capable of supervising and laying out necessary changes to be made in changing sixty ton mill from fibre papers to book or bond. Work will require four or five months. Address, Box 2326, care Paper Trade Journal. Ju-10

WANTED—Chief Engineer for Corlias Engine. Plant in Eastern State. State experience and salary desired, also name references (which will be confidential if desired). Address, Box 2347, care Paper Trade Journal. Ju-8

WANTED—Reliable and efficient Beater Engineer for mill located in Middle West. Experience on colors necessary. Manufacturer of Tag, high grade Wrappings and Tissue. 87c per hour, three-four day. Business well located. Address, Box 2342, care Paper Trade Journal. Ju-1

WANTED—One good Beater Engineer. Good pay, steady work, in small mill making Coating and News. Main railroad line near large city. Address, Box 2356, care Paper Trade Journal. Ju-8

MACHINE TENDER WANTED for small slow running machine, 72½c per hour, plus five per cent bonus. Apply by wire. The Yellow Pine Paper Mill Company, Orange, Texas.

WANTED—Competent Fourdrinier Machine Tender in Bond and Writing Mill making tub sized paper. Mill located in Middle West. Eight hours and \$1.00 per hour. Address, giving reference to Box 2359, care Paper Trade Journal. Ju-15

WANTED—Practical Superintendent to take entire charge of an up-to-date Soda Pulp Mill. Must thoroughly understand the manufacture of this grade of pulp. Salary secondary consideration. Address, Box 2360, care Paper Trade Journal. Ju-15

WANTED—First class beater engineer in two machine writing mill, located in Middle West. Eight hours and wages \$1.00 per hour. Address, giving full information concerning your ability, Box 2361, care Paper Trade Journal. Ju-8

HELP WANTED

WANTED—Two first class Back Tenders in mill making high grade writing paper, located in desirable city in Middle West. Eight hours. Address, Box 2362, care Paper Trade Journal. Ju-8

WANTED—Two machine tenders, two back tenders and two beatermen for slow running news mill in Maine, good location. Mill starting up. Address, Box 2364, care Paper Trade Journal. Ju-8

GENERAL SUPERINTENDENT, at present employed, desires to make a change; good reasons; eighteen years' practical experience on tissues, crepe, semi-crepe, toilet, towels, twine, carpet fibre, shelf paper, wax tissue, Kraft and all light weight specialties. All on colors. My experience has been wide in handling and remodeling mills for increased production. Best of references furnished if desired. Address, Box 2374, care Paper Trade Journal. Ju-8

BACK TENDER WANTED for fast running machine making Kraft. Seventy cents per hour, plus five percent bonus. Wire Applications. Yellow Pine Paper Mills, Orange, Texas. Ju-15

WANTED—First class Millwright for Board Mill. In Middle West. Wages, 75c per hour. State age, experience, and give reference in first letter. Only a first class man need apply. Address, Box 2375, care Paper Trade Journal. Ju-15

WANTED—Backtender on Waterfinish and Dryfinish wrapping Papers at speed not to exceed 375 feet; two tour mill. Excellent opportunity for promotion. Only steady man wanted. Good town and wages. Address, Box 2377, care Paper Trade Journal. Ju-1

WANTED—First class foreman in three tour mills located in Sweden. Must possess ability to handle help to advantage and be thoroughly familiar with fast running newspaper machines. State age, experience and references to "Foreman-Newspaper" care of S. Gumaelius Annonbyra, Stockholm, Sweden. Ju-1

WANTED—Middle aged Master Mechanic for twenty-five ton cylinder board machine in North Carolina. Good salary to right man. References required, also state experience. Address, Box 2378, care Paper Trade Journal. Ju-15

MACHINE TENDER WANTED—Experienced on high grade Cylinder Tissues. Four Machine Mill. Good wages. Ideal living conditions. Crystal Paper Company, Box 231, Middletown, Ohio. Ju-19

WANTED—Cylinder Machine Tender, experienced on light weight, high grade tissues. One who is desirous of making a permanent connection and become a part of a progressive organization. Good wages. Moving expenses paid. Address, Box 2346, care Paper Trade Journal. Ju-15

WANTED—Practical Machinist, familiar with Paper Mill Machinery as assistant foreman, with view of advancement. Write giving full details as to experience, salary and if available at once. Address, Mills Machine Company, Lawrence, Mass. Ju-1

WANTED—Superintendent capable of directing production 50,000 tons Boxboard per annum. All grades of Board. Address, giving full particulars concerning mills previously worked in and positions occupied. Box 2379, care Paper Trade Journal. Ju-22

WANTED—Several first class machinists and millwrights thoroughly familiar with Paper Mill machinery on new work. Address, stating experience, Box 2380, care Paper Trade Journal. Ju-8

HELP WANTED

A LARGE WHOLESALE PAPER HOUSE has a position open for a young man to take charge of the wax paper and specialty department. He must have experience in the buying and selling of wax papers and specialties. He must also have executive ability. This is a splendid opportunity, and all correspondence will be treated in a strictly confidential manner. Address, Box 2381, care Paper Trade Journal.

WANTED AT ONCE—Superintendent for single machine mill in New York State making Solid Pulp Board, filled pulp, chip and news. Trim 70". State experience, where previously employed and salary expected. All replies confidential. Address, Box 2382, care Paper Trade Journal. Ju-1

WANTED—A first class Millwright or Master Mechanic for a two machine Book Mill. Mill well located. In reply, give age and references. Address, Box 2383, care Paper Trade Journal. Ju-22

WANTED—Machine Tender on slow running four cylinder machine. Mill located near Philadelphia. Good position for the right man. Two tours. 65c. per hour. Address, Box 2384, care Paper Trade Journal. Ju-1

WANTED—Superintendent for Paper Mill operating two Cylinder Machines. Must be able to get production on Chip and Lined Boards. Address, Box 2385, care Paper Trade Journal. Ju-1

WANTED—Machine Tenders, Backtenders, Beater Engineers, Grindermen and Firemen, in mill making common news. Best wages, open shop. Give experience, age, etc. Address, Box 2386, care Paper Trade Journal. Ju-15

WANTED—First class Machine Tender on small cylinder machine making toilet tissue from a waste paper furnish. Mill located in a modern city with excellent living conditions and climate. Wages, 75c per hour on tour of ten to twelve hours. Give full particulars, references and earliest time you can leave your present location. Transportation furnished. Address, Box 2387, care Paper Trade Journal. Ju-1

MECHANICAL FOREMAN to take charge of repairs and renewals in book paper mill in Philadelphia, maintaining its own power plant, machine shop and repair gang. State age, experience and salary expected. Address Box 2388, care Paper Trade Journal. Ju-1

WANTED—Two first class Machine Tenders and two Backtenders for mill on two tours making high grade machine finished papers. Good wages. Give references. Address, Box 2389, care Paper Trade Journal. Ju-8

ENGINEERING DRAFTSMAN WANTED for new construction and general mill layouts as assistant to engineer in New Hampshire pulp and paper mill. State education, experience, salary expected and when available. Address, Box 2390, care Paper Trade Journal. Ju-8

FOREIGN REPRESENTATIVE. Established exporting house needs American to represent them in Latin America. Must know paper and allied lines. Spanish language absolutely necessary and experience in Latin American selling. Reply with full details. Address, Box 2396, care Paper Trade Journal. Ju-1

SITUATIONS WANTED

MASTER MECHANIC DESIRES a new position. Has had twenty-five years' experience in Pulp and Paper Mills in United States and Canada on construction and maintenance. Best of recommendations. Address, Box 2393, care Paper Trade Journal. Ju-8

SITUATIONS WANTED

PROFESSIONAL DESIGNING ENGINEER.
Paper Machinery and Equipment Expert, Architect and Papermaker with wide experience, requires short or longer period activities. Address, Box 2340, care Paper Trade Journal. Ju-22

WANTED—Young man of thirty-two, possessing sales ability and practical paper mill experience, looking for sales opportunity in export field; am free to go anywhere. Address Box 2367, care Paper Trade Journal. tf

WANTED—Salesman at present engaged in sale of book and specialties looking for desirable connection Eastern or Western Mill similar grades. Salary not of first importance if some future can be assured. Address, Box 2368, care Paper Trade Journal. tf

SITUATION WANTED in Purchasing Department of some large Paper Mill, either as head or assistant. At present employed in such capacity, but desire making change for excellent reasons. Wide experience. Address, Box 2369, care Paper Trade Journal. Ju-1

YOUNG MAN who has had fourteen years' experience in the paper business, twelve years at mill, wishes position with mill sales office or jobber, where practical experience is necessary. Address, Box 2370, care Paper Trade Journal. Ju-1

POSITION WANTED—By a young unmarried college man, with some pulp company that contemplates development in the South. Seven years' experience in the Woods Dept. of Canadian, Northern and Southern companies, particularly the southern mountain and swamp regions. Since discharge from the army have been on timber investigation in every state in the South and would like to settle down. Will be open for position June 10th. Full information and references if interested. Address, Box 2334, care Paper Trade Journal. Ju-1

MACHINE TENDER would like to make a change. Experienced on all grades of tissues. Steady and reliable. Address, Box 2350, care Paper Trade Journal. Ju-17

TRAFFIC MANAGER—Experienced, would like to associate with some paper mill or large paper house preferably in Philadelphia or vicinity. Intention to prepare way for more responsible position by learning business while giving valuable service in above capacity. Address, Box 2351, care Paper Trade Journal. Ju-8

MACHINERY SALESMAN, thoroughly acquainted with Paper and Pulp Mill trade, desires connection with firm manufacturing special machinery or lines pertaining to Paper Industry. Excellent references. Address, Box 2391, care Paper Trade Journal. Ju-15

POSITION WANTED as Boiler Room Foreman. Have had 28 years' experience on all types of boilers and stokers and repair work. Can handle men and get good results. Address, Box 2392, care Paper Trade Journal. Ju-15

PRACTICAL PAPER MAKER, Superintendent and Manager, wishes similar position. Expert organizer and producer. Familiar with all lines, particularly in the finer grades. Prefer loft dried mill. Expert on colors. Here is the man you have been looking for. Can engage on very short notice. Address, Box 2393, care Paper Trade Journal. Ju-15

POSITION WANTED—With mill making Board, Felt or Specialties. Sixteen years in Manufacturing, Mechanical and Executive ends. Give details of position offered. Address, Box 2394, care Paper Trade Journal. Ju-22

FOR SALE

FOR SALE—One 41" 3 Roll Web Super Calendar (Pusey & Jones) Drive, left hand. Top Roll (chilled) 16" Diameter x 42" Face. Two intermediate rolls (chilled) 9 1/2" Dia. x 42" Face. Four Paper Rolls 12" Diameter x 41" Face. Bottom Roll 18" Diameter x 42" Face. Pressure applied by hand with screws. Address, Warren Manufacturing Company, Mill Milford, New Jersey. Jy-1

FOR SALE—One (1) 24" x 43" McIntosh Seymour extra heavy duty horizontal engine; good as new, and valves in perfect condition. Engine has bushed cylinder. Shaft is designed and key seated for adding low pressure side and heavy enough to carry armature for running direct connected. Engine is designed for 125 R. P. M. and 150 pounds pressure. Drive wheel has eleven (11) 2" rope grooves. Engine can be seen running and quick delivery made.

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FOR SALE—54" Cameron Slitting and Rewinding Machine with mill roll and rewinding shaft and separator. Also a 32" Child's Acme Cutter. Address, Box 2352, care Paper Trade Journal. Ju-8

FOR SALE—One 68" Black and Clawson Revolving Cutter in good working condition, shafts, collars and adjustments for eleven rolls. Address, Box 2354, care Paper Trade Journal. Ju-1

FOR SALE—One 36" by 12 ft. Engine Lathe One 48" Drill Press, One 60 H. P. Boiler. Dilts Machine Works, Inc., Fulton, N. Y. Ju-15

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Ju-8

MISCELLANEOUS

WANTED—Two Wet Machines. To take a deck of 40" or over, also two Beaters 500 to 800 lb. capacity and large stock chests. State size and lowest price. T. F. Waldron, Amesbury, Mass. Ju-1

WANTED TO BUY—Small heavy cutter for cutting only a 13" width of sheet. Can use slitting attachment. Also want a ream cutter or shear for 12 x 18" sheets. Address, The Cellulo Company, Sandusky, Ohio. Ju-8

WANTED TO BUY—A Beater of about 150 to 200 pounds capacity. Also Plater, Hydraulic Press and small Stuff-chest. Address, Box 2395, care Paper Trade Journal. Ju-1

MISCELLANEOUS

WANTED TO BUY—Second hand 60 inch Cylinder Waxing machine. State price and full particulars. Address, Box 2329, care Paper Trade Journal. J-19

CLARK MFG. CO., 79 Merrick Ave., Holyoke, Mass., Manufacturers of Cylinder Molds, Dandy Rolls, all kinds of water marks, Wood Felt Rolls, Wood Press Rolls, Tube Rolls, Shower Pipes. We cover your Cylinders at the mill on short notice, or in our shop. We put them on tight.

YOUNG SWEDE, having connections with Swedish paper exporters, would like to find buyers of printing and other kinds of paper. Address, Box 2373, care Paper Trade Journal. Ju-1

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- 1 108" Slitter and Rewinder, Kidder.
- 1 32" Slitter and Rewinder, Langston.
- 2 Old Paper Shredders, Valley Iron Works.
- 1 Fulner Savall 112".
- 1 North Saveall.
- 2 Improved Machine Co. Pneumatic Savealls.
- 1 Kollergang, Pusey & Jones.
- 2 Deckers, Black & Clawson.
- 3 Auxillary Screens, Moore & White 2 plate.
- 2 24" Pope Brushing Engines.
- 2 Ruling Machines.
- 1 72" Rogers Wet Machines single press.
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At the top of the column on page 76 will be found full information covering the classified section of THE PAPER TRADE JOURNAL.

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When replying to advertisers please give the address the advertisement directs.

If the advertisement is keyed with a box number, be sure to give the correct box number and send it in care of THE PAPER TRADE JOURNAL.

Observance of these rules will facilitate our forwarding replies to the proper sources with the least possible delay.

FOR SALE

BEATERS—One 61"x48", five Jones, one Downingtown, two Horne, one 60"x60", several 72"x44", two Clafin 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 62" face, one 9 roll 54" face.

COATERS—Two 56" Waldron coaters.

CUTTERS—Two 45" Finlay cutters newly rebuilt with brand new Hamblet expansion pulley drive, 36" Sanborn cutter, 38" guillo-tine cutter.

CYLINDER MOULDS—One 30"x54", one 30"x64", both rebuilt, ready for quick shipment. One new 30"x32".

DRIVES—One Reeves No. 4, Class E, one Reeves No. 3, Class E, one Moore & White No. 10.

DRYERS—4 36"x54", 3 36"x62", 7 48"x108", 2 36"x66", 1 36"x78", 1 24"x120", also twenty brand new shells 48"x96", and ten new shells 48"x102".

EVENERS—Two Mellor eveners.

JORDANS—1 Mammoth Jr., several Emerson and Horne type Jordans.

MACHINES—One 2 cylinder machine for 56" trim, 33" dryers. One 72" Harper four-drinier.

PULLEYS—One 37" dia., 34" face, double arm, modern pulley. One set cone pulleys, 40"x31"x33" face. One set cone pulleys, 40"x31"x78" 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, 12x22x18 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.

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ROTARIES—One 14' Globe, one 14"x22" horizontal in good condition, ready for immediate shipment.

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One (1)—76" Downingtown Duplex Cutter, new, with twelve pairs back stands.

One (1)—86" Beloit Duplex Cutter.

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

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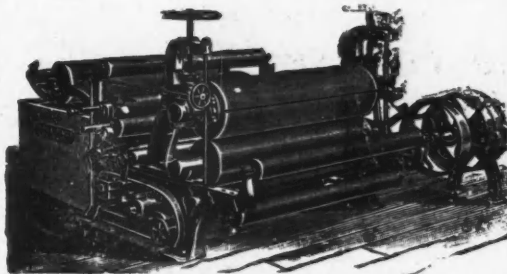
Special Machinery

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

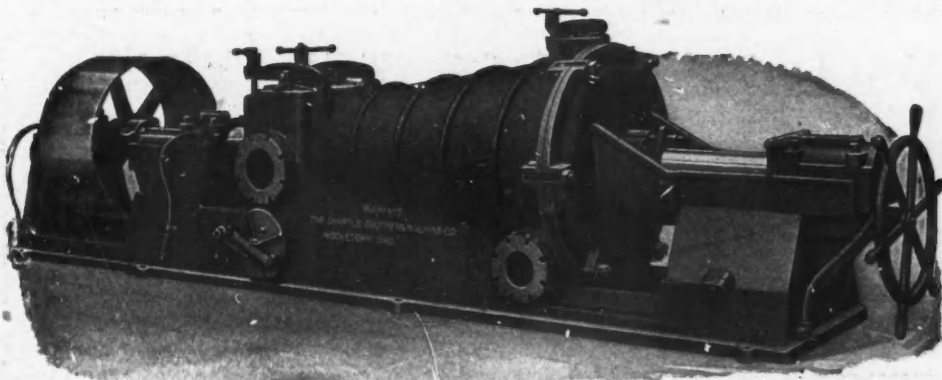
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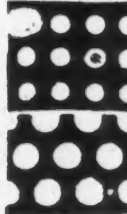
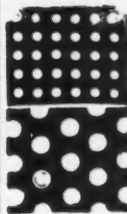
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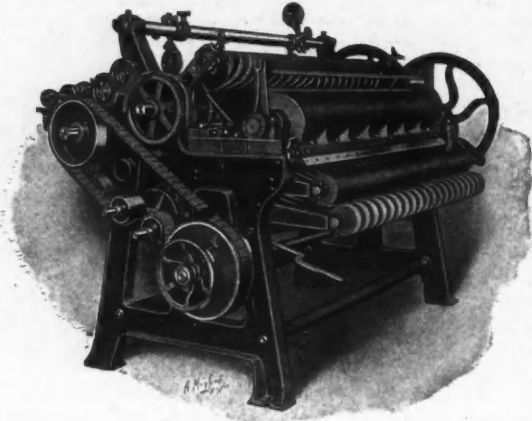
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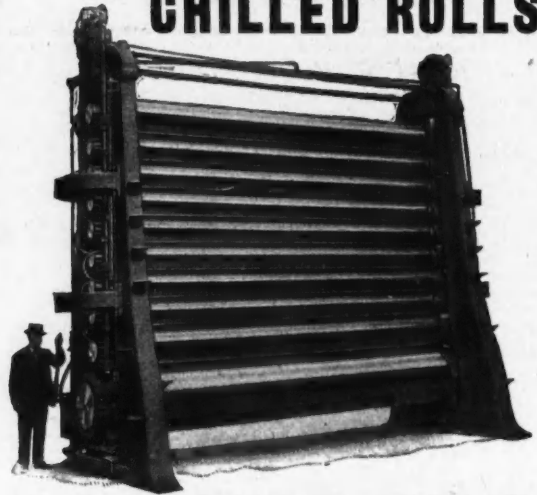
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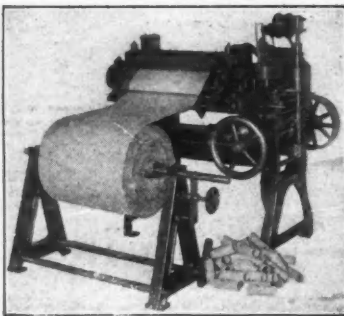
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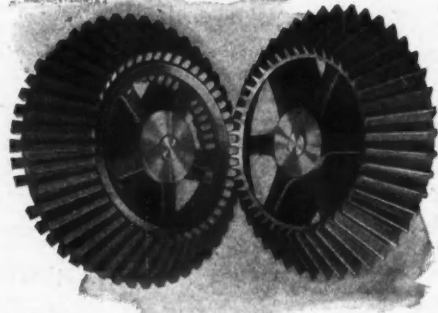
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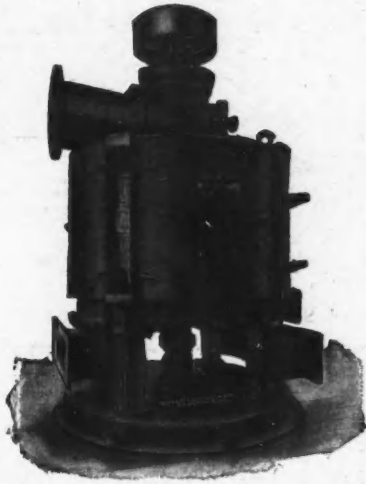
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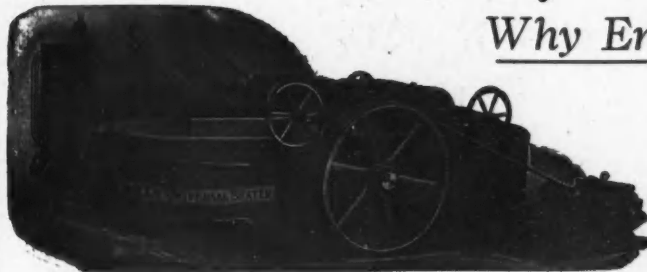


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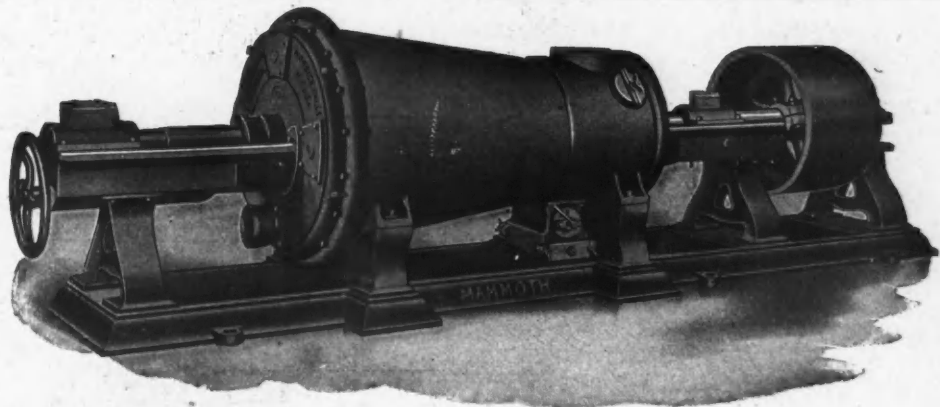
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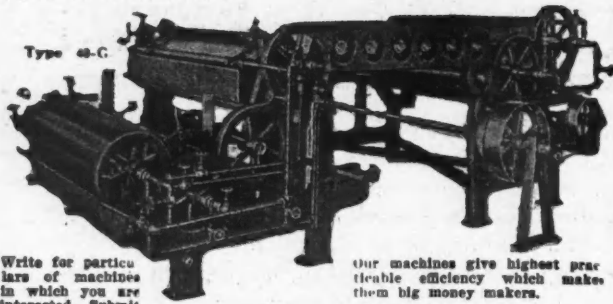
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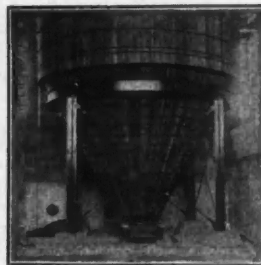
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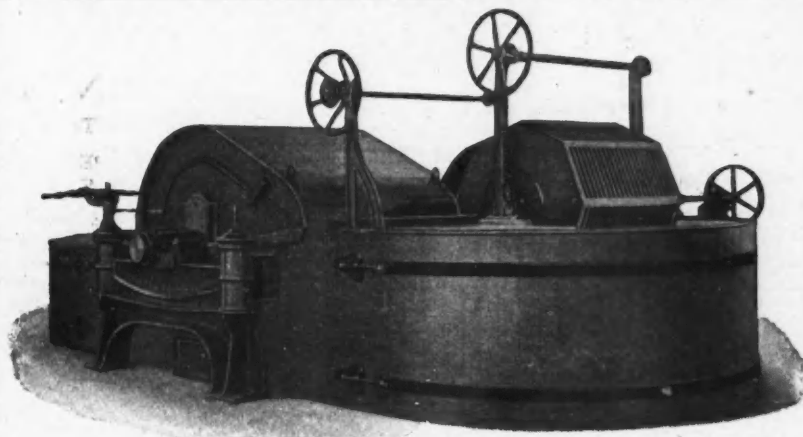
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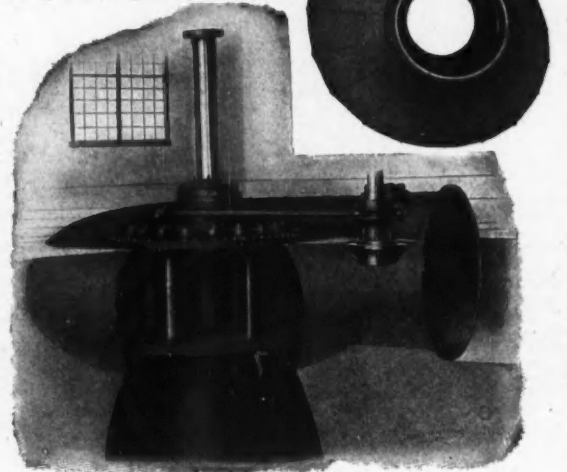
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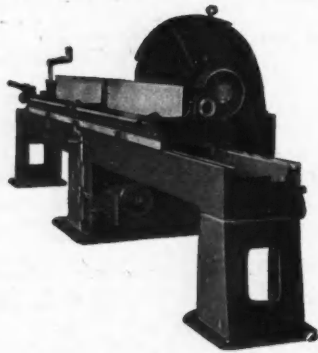
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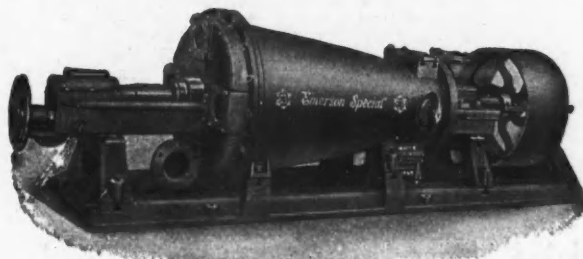
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Manufacturers, Minors and Importers of Coloring Materials, such as Venetian Reds, Red, Brown, Black, Yellow, Oxides, Chrome and other Colors, also Paper Fillers—such as Agalite, Mineral Fulp, Talc, China and other Clays.

**COLORS FOR PAPER
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*Largest dealers in paper stock and rags
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Occupy more than six acres of a sprinkled floor space, equipped with six electric freight elevators, twenty-two large electric power presses, private switch tracks and platforms for forty cars at one time; over 300 employees grading and packing Rags and Waste Paper; best service on any grade, any quantity and at any time.

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