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FORTY-SEVENTH YEAR

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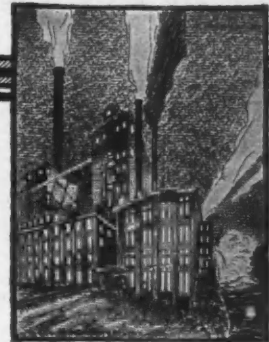
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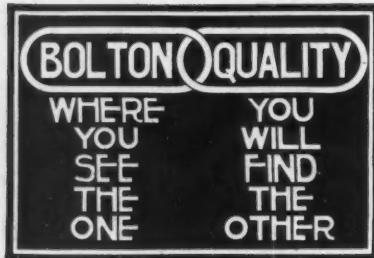
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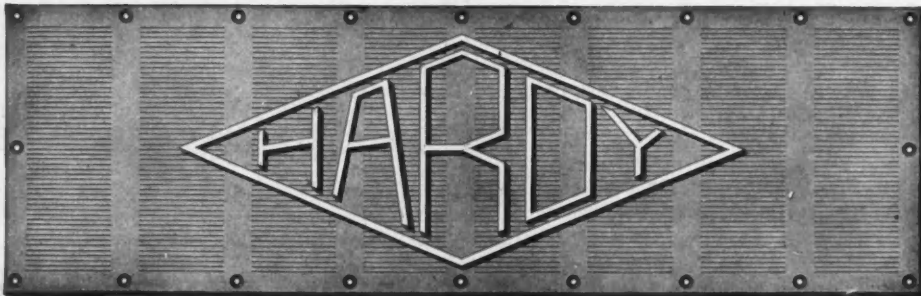
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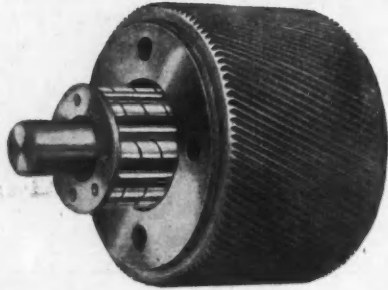
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THE INTERNATIONAL WEEKLY OF THE PAPER AND PULP INDUSTRY

FORTY-SEVENTH YEAR

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NEW YORK AND CHICAGO

Thursday, July 3, 1919

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WANT AND FOR SALE ADVERTISEMENTS, PAGES 64, 65 and 67.

PRINTING OFFICE IS TO BUY ABOUT ALL PAPER FOR GOV'T.

Congressional Joint Committee on Printing Is Sending Out Regulations Which Mean That Practically All Paper Used by the Individual Departments Will Be Purchased Through the Government Printing Office—Federal Trade Commission Issues Statistics on Paper Production for the Five Months Ending May 31—War Trade Board Is Transferred to the State Department.

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., July 1, 1919.—The Congressional Joint Committee on Printing is sending the following regulations to all of the executive offices in this city.

When carried out this order will mean that almost all of the paper used by the executive offices will be purchased through the Government Printing Office and that the individual departments will purchase very little paper.

The Joint Committee on Printing at its meeting today adopted the following resolutions, which are transmitted herewith for your information:

1. *Resolved*, That the Joint Committee on Printing, under authority vested in it by Section 11 of Public Act No. 314, Sixty-fifth Congress, hereby authorizes that printing, binding, and blank book work for the exclusive use of any of the following field services outside the District of Columbia, may be done elsewhere than at the Government Printing Office whenever it is deemed urgent or necessary by such service to have the work done elsewhere than in the District of Columbia:

(a) For any Government service in Alaska, Guam, Hawaii, the Panama Canal, the Philippines, Porto Rico, the Virgin Islands, or any other place outside territorial United States, provided that the work is done in the territory, possessions, or country where the service is located.

(b) For the Railway Mail Service, including its division offices, and the local post offices, elsewhere than in Washington, D. C., provided that contracts for printing, binding, and blank book work for the Postal Service which were existing and valid on March 1, 1919, are authorized to be completed in accordance with the terms of such contracts, but this does not apply to existing agreements between the Postmaster General and the Public Printer for printing, which shall hereafter be done in accordance with the law relating to the public printing and binding.

(c) For use on the separate reclamation projects under the direction of the Reclamation Service.

(d) For field use of the Forest Service, to be done at its supply depot printing plant.

(e) For the various Navy Yards and Naval Training Stations, to be done at their respective printing plants, and for such other branches of the Naval Service outside of Washington as may properly be done at the nearest Naval printing plant.

(f) For the immediate use of the Public Health Service in its field work for relief and sanitation.

(g) For the branch homes of the National Home for Disabled Volunteer Soldiers, to be done at the respective branch homes.

(h) A detailed report of the classes, including number of copies, description, and cost, of the printing herein authorized shall be submitted to the Joint Committee on Printing every three months, i.e., October 1, January 1, April 1, and July 1.

(i) No printing, binding, or blank-book work shall be done elsewhere than at the Government Printing Office for any other field service of the Government except as may be specifically authorized by the Joint Committee on Printing in accordance with

Section 11 of Public Act No. 314, and no printing or binding so authorized shall be done elsewhere than at the Government Printing Office if it necessitates the purchase of additional machinery or equipment therefor unless approved by the committee.

2. *Resolved*, That such journals, magazines, periodicals, and other similar publications as are now being published by any officer or branch of the Government service may be continued until August 1, 1919, and they shall thereafter be discontinued unless otherwise authorized by the Joint Committee on Printing, and that before such date the committee accord a hearing to any officer of the Government who may desire to have his respective publications continued.

3. *Resolved*, That in determining what publications come within the designation of journals, magazines, periodicals, and other similar publications, the Joint Committee on Printing is of the opinion that Section 11 of Public Act No. 314, 65th Congress, does not apply to strictly administrative reports, statistical publications, and those required exclusively for the official use of the issuing office or service in the transaction of its routine business.

Your attention is again invited to paragraphs Nos. 4, 5, and 6 of the committee's letter of April 16, 1919.

Paper Production for Five Months

In connection with the commission's statistical service for the paper industry the following special tabulations are presented which show the production and shipments of paper by months and grades for the five-month period ended May 31, 1919.

Comparison of the monthly production of paper by grades for the five-month period ended May 31, 1919.

Grade.	January.	February.	March.	April.	May.	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
News print	116,154	103,248	114,746	116,278	105,819	556,245
Book paper	70,443	62,616	63,699	67,628	76,821	341,207
Paper board	149,859	125,208	136,175	138,902	151,651	692,695
Wrapping	50,490	45,480	48,069	48,158	56,379	248,776
Bag	11,691	10,392	11,002	9,435	11,831	54,351
Fine	27,675	24,600	23,514	22,470	25,010	123,269
Issue	10,611	9,432	10,575	10,900	11,711	53,229
Hanging	9,180	8,260	8,774	7,326	6,297	39,837
Felt and building	15,039	13,368	14,014	17,844	21,972	82,237
Other grades	14,094	12,528	14,591	13,048	12,480	66,741
Total	466,236	415,132	445,159	451,889	480,171	2,258,587

Comparison of the monthly shipments of paper by grades for the period ended May 31, 1919.

Grade.	January.	February.	March.	April.	May.	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
News print	114,343	98,996	108,285	111,825	115,120	548,569
Book paper	64,836	63,870	63,660	65,306	75,905	333,577
Paper board	133,838	118,973	135,240	136,927	152,041	677,019
Wrapping	39,592	37,325	36,383	43,414	56,696	213,410
Bag	11,203	10,115	9,866	9,192	12,125	52,501
Fine	26,176	23,052	23,318	22,590	22,992	117,588
Tissue	9,667	8,369	9,841	9,673	11,339	48,839
Hanging	9,447	8,368	8,113	6,465	5,059	37,452
Felt and building	13,272	14,238	14,782	17,934	21,401	81,627
Other grades	14,150	12,202	13,002	12,974	11,431	63,759
Total	136,524	395,508	422,490	435,760	484,109	2,174,391

The production of all grades showed comparatively little variation from month to month from the average per cent. of variation for the industry. The fluctuation of shipments from month to month was much more pronounced than the variation in production for most of the grades. The trend of stocks shows an abnormal increase for most of the grades for the first four months of the period. During May there was a noticeable decrease in news print, including hanging paper; wrapping, including bag paper; and paperboard, which grades represent about 70 per cent. of the production of all grades for the period and more than 60 per cent. of the total stocks at the end of the period.

War Trade Board Transferred

The Department of State and the War Trade Board has announced that, pursuant to an Executive Order signed by the President on May 12, the present personnel, duties, powers, functions and records of the War Trade Board have been transferred to the Department of State as of July 1.

This transfer will not affect nor inconvenience the exporting
(Continued on page 60)

LABOR TROUBLE IN MILLS OF NEKOOSA-EDWARDS PAPER CO.

Nearly 900 Employees of the Company Strike, Following a Disagreement With the Management Regarding Working Conditions, Wages and Failure of the Company to Recognize the Union—Trouble Has Been Growing Ever Since the Employees Organized a Union Several Months Ago—Kimberly-Clark Company Entertains Paper Jobbers Who Handle the Products of the Company—

[FROM OUR REGULAR CORRESPONDENT.]

APPLETON, Wis., July 1, 1919.—Nearly 900 employees of the Nekoosa-Edwards Paper company, which operates paper, sulphite, pulp and sulphite mills at Port Edwards and Nekoosa, Wis., are striking following a disagreement with the management regarding working conditions, wages and failure of the company to recognize the union. Paper makers and pulp workers are demanding an eight-hour day, time and one-half for overtime, five per cent increase in wages and the right of collective bargaining.

The trouble has been brewing since paper makers and pulp workers organized a union two months ago. A strike was threatened several weeks ago, but trouble was averted when increases in wages and better working conditions were announced. Demand for recognition of the union and adoption of the closed shop principle grew more insistent, however, and the present strike resulted.

The company answered the demands of its employees with an offer of increased wages and an adjustment of hours and overtime pay, but flatly refused to deal with the men as union men. According to company officials there will be no difficulty in reaching an agreement on the wage and hour question, but it will not accept the principle of "closed shop."

W. H. Rodgers, Washington, D. C., representative of the United States department of labor, has held conferences with strikers and employers, but has failed to bring about a settlement.

Company officials have served notice on employees residing in houses owned by the company that they must vacate in thirty days. Men boarding at the company's hotel have been notified that the institution will be closed at the expiration of a month.

There has been no violence at either Nekoosa or Port Edwards. Strikers are meeting twice a day and are reiterating their determination not to return to work until their demands are met. L. M. Alexander, president of the company, has announced that the men may return to work any time they desire.

Strikers Returning to Work at McDill

Reports from McDill, Wis., indicate that the fifty-four employees of the Stevens Point Pulp and Paper company, who went on a strike about three weeks ago, demanding increases in wages and recognition of their union, are returning to work and that the strike is nearly broken up. The company has refused to accept the closed shop principle, which is the principal bone of contention. Increases in wages were granted by the company several weeks ago.

Kimberly-Clark Co. Entertain Jobbers

One hundred and twenty paper jobbers who handle products of the Kimberly-Clark company, were guests of that company at the second annual convention of its patrons.

The first day of the convention was devoted to inspection of the company's laboratories where technical principles of paper making were discussed by Ernst Mahler, chief chemist, and inspection of the company's mills by Neenah and Appleton. Following the noon-day luncheon an address on market conditions was delivered by F. J. Sensenbrenner. The guests were entertained at dinner in the evening.

On the second day guests were conveyed to Kimberly, where they visited the company's largest mills, after which they were given a boat ride to Lake Winnebago. The steamer Paul L. was chartered for that purpose.

Work Progressing on Fort Howard Paper Mill

Work is progressing satisfactorily on the construction of a paper mill for the newly organized Fort Howard Paper company at Green Bay. The main manufacturing plant will be 240 feet long, by 60 feet wide, two stories in height. The building is being constructed of brick and reinforced concrete floors. It is believed the building will be completed by October 1 and machinery will be installed in time to permit beginning of operations by January 1.

Orders for machinery have been placed so that everything will be in readiness for installation as soon as the building is completed. The paper manufacturing machine has been ordered from the Beloit Iron works and will be large enough to make a 130 inch sheet. It is to be one of the largest of type used for making tissue papers.

Pestigo Paper Co. Elects Directors

A meeting of stockholders of the Peshtigo Pulp and Paper company was held last week and new directors elected, but their names will not be announced until officers are elected the latter part of this week. Reorganization of the company was made necessary because of investments made by a number of capitalists interested in other paper mills, it was stated.

It was announced that work will be started within a few weeks on the proposed mill at Peshtigo.

Protest Higher Freight Rates on Coal

Owners of pulp and paper mills in Wisconsin have joined with other manufacturers in protesting against the proposed increase in freight rates on coal for Wisconsin and the northwest. When the order increasing the rates was issued by the Federal railroad administrator last month an immediate protest was entered with the result that the order was held up and referred to the interstate commerce commission for investigation. Carl D. Jackson, chairman of the Wisconsin railroad commission, has gone to Washington to present Wisconsin's protests against the proposed increase.

Affirms Hoberg Decision

The Wisconsin State Supreme Court has affirmed the decisions of the trial court in actions brought by John and Maud Hoberg of the Hoberg Paper Company, Green Bay, Wis., against Rose McNeveins, James McNeveins, William Hoberg and Carrie Hoberg, Anton Hoberg and Carrie Hoberg. Defendants in the action agreed to take stock in the John Hoberg company in lieu of payment of a debt and agreed to resell the stock to the plaintiffs. It was alleged that the defendants failed to live up to their agreement and suit was started. The trial court ordered the stock resold to the plaintiffs, and the defendants appealed to the Supreme Court.

General Trade News

Fire started from friction caused by a fan broke out in the cupola of the Union-Bag and Paper Company's mill at Kaukauna, but was extinguished by the mill's sprinkler system. The loss will not exceed \$300.

Heavy rains fell in northern Wisconsin last week, filling the huge water power reservoirs. The reservoirs contain more water this summer than for many years past. Small floods have been reported from several places along the Wisconsin river.

A new paper company to be known as the Valley Paper Company has been organized at Menasha, Wis. The new concern will deal in paper specialties in job lots. Several well known Menasha men are interested in the venture.

J. A. Kimberly, president of the Kimberly-Clark Company, has arrived in Neenah from his home at Redlands, Cal., to spend the summer with his son, J. A. Kimberly. Mrs. J. A. Kimberly is expected to arrive in Neenah later in the summer.

PAPER MEN AND PRINTERS VISIT KALAMAZOO MILLS

Representatives of About One Hundred Concerns From Chicago Are Entertained By the Kalamazoo Valley Paper Association, the Kalamazoo Advertising League and the Chamber of Commerce—Paper Mills of the Valley Gave the General Committee Splendid Co-operation—Interesting and Entertaining Program Is Carried Out—Among the Guests who were Present.

[FROM OUR REGULAR CORRESPONDENT.]

KALAMAZOO, Mich., June 30, 1919.—Chicago paper jobbers and representative printers to the number of a hundred invaded Kalamazoo, Friday, June 27, and the event proved to be one of the most interesting and constructive occasions in local industrial happenings for the past two years.

Journey Proposed by P. A. Howard

The visitors were the guests of the Kalamazoo Valley Paper Association, the Kalamazoo Advertising league and the Chamber of Commerce. The little journey was proposed and engineered by P. A. Howard, of the Ben Franklin Monthly, Chicago. The Kalamazoo Advertising league undertook the promotion of the undertaking locally. George Putt, president of the Merchants' Publishing Company, was chairman of the committee on arrangements, his co-workers being C. A. Hubbard, of the Bryant Paper Company, and George B. Davis, of the King Paper Company. It was largely due to their energy and foresight in planning that the day was an unqualified success and a most happy occasion.

Mills Co-operate with Committee

The paper mills in the valley worked heartily in conjunction with the general committee and named the following to assist in the task of reception for the guests:

Kalamazoo Vegetable Parchment Company.—Frank Mosteller, A. H. Berry.

Bryant Paper Company.—James Wright, L. A. Parker.

Kalamazoo Paper Company.—Peter Servaas, A. E. Curtenius, R. W. Harrington.

Monarch Paper Company.—A. G. Gilman, A. W. Powell, Platt Glazen.

Watervliet Paper Company.—August Scheid, W. M. Loveland.

King Paper Company.—J. H. O'Connell, Phil Baltz.

Rex Paper Company.—Merrill King, C. A. Bradford.

Hawthorne Paper Company.—A. H. Dwight, R. L. Pease.

Michigan Paper Company.—George L. Gilkey.

Bardeen Paper Company.—G. H. Gesphiede.

Lee Paper Company.—Norman Bardeen, Ira T. Stroud.

Birmingham-Prosser Company.—Louis Simon.

Kalamazoo Advertising League.—Fred Appeldoorn, Guy Wilson, Charles Barnes.

Program Carried Out

The Chicago visitors left home Thursday night and crossed Lake Michigan. This portion of the trip was marred by a heavy sea and seasickness was common among the party. An electric special brought them to Kalamazoo Friday morning, and they were met at the Kalamazoo Vegetable Parchment Mill and shown through that model concern. Light refreshments and cigars were served in Welfare Hall, and the entire company left by automobile for the Kalamazoo Country Club, where luncheon was served at noon. A panorama picture was taken of the entire party. After luncheon a few tried their hands at golf, but by far the greater number clambered into automobiles for an inspection of the great paper mills of the city.

After a profitable afternoon the visitors and hosts met at the Park-American hotel for dinner. James H. Buswell, advertising manager of the Kalamazoo Vegetable Parchment Company presided, and short but well-pointed talks were made by Chas. B. Hays, vice-president of the Watervliet Paper Company; J. Harry Jones, of Marshall-Jackson Company, Chicago; Jacob Kindleberger, president of the Kalamazoo Vegetable Parchment Company; C. V. Buttleman, president Kal-Ad. League; Harry Hillman, editor of the Inland Printer; J. M. Abell, J. W. Butler Paper Company; J. P. Cassidy, Commonwealth Press, Chicago; P. A. Howard, Ben Franklin Monthly, Chicago; State Senator C. A. Weidenfeller; W. N. Gillett, Chicago Paper Company; William Hirsh, Swigart Paper Company; Dan'l Boyle, W. J. Hartman Company; Louis Simon, Birmingham-Prosser Company; Peter Servaas, Kalamazoo Paper Company; H. H. Rosenberg, Kenfield, Leach & Co.; George Putt, Merchants' Publishing Company.

The party started the return trip to Chicago, at 7:30 o'clock in the evening, going via Grand Haven and the lake boat. All who attended voted the trip an unusual success.

Among Those Present

The list of guests included: M. S. Brookes, C. A. Koss & Co.; J. P. Cassidy, Commonwealth Press; J. W. Donohue, M. A. Donahue & Co.; W. P. Dunn, W. P. Dunn & Co.; Toby Robovits; H. C. Sherman, H. C. Sherman Company; Mr. Anderson, Rand-McNally & Co.; S. B. Weinberger, Burnett & Weinberger; J. Harry Jones, Marshall-Jackson Company; J. W. Hastie, Western Newspaper Union; C. S. Peterson, Regan Printing House; Mr. Johnson, Johnson & Quinn; J. A. Singler, Rogers & Co.; J. T. Igoe, J. T. Igoe Printing Company; C. W. Jordan, Central Printing and Engraving Company; Walter Klein, Fred Klein Company; C. L. Woodfield, Franklin Typothetae; Harry Hillman, editor Inland Printer; C. H. Sweitzer, A. C. McClurg Company; George H. Seery, Hildman Printing Company; W. E. Dwight, Dwight Brothers Paper Company; W. N. Gillett, Chicago Paper Company; E. H. Kneip, Graham Paper Company; Douglas Wray, Douglas Wray Paper Company; George R. Tolen, Midland Paper Company; Mr. Blackmer, Moser Paper Company; Mr. Kimbark, Paper Mills Company; R. E. Parker, Parker, Thomas & Tucker Paper Company; Judge M. Hawk, Gaw O'Hara Envelope Company; R. W. Saul, Saul Brothers; Kirk Taylor, Printers Ink; Daniel Boyle, W. J. Hartman Company; Ed. Kirchner, Kirchner Printing House; F. W. Barnard, Barnard & Miller; W. A. Johns, R. R. Donnelley Company; J. J. Pegues, Goes Lithograph Company; E. J. McCarthy, Smith McCarthy Company; Mr. Rathbun, Rathbun, Grant Heller Company; Mr. Loth, Poole Brothers; Gustaf Olsen, Max Lau Colorotype Company; Mr. Waterman, R. J. Kittredges Company; George P. Thall, Butler Brothers; F. E. King, Empire Paper Company; William Hirsh, Swigart Paper Company; T. J. Leahy, LaSalle Paper Company; J. M. Abell, J. W. Butler Paper Company; J. Owen Lee, Great Lakes Paper Company; Earl Ludgin, Albert Pick & Co.; Mr. McCrory, James T. White Paper Company; Robert Wadsworth, Bradner, Smith & Co.; Mr. Rivers, Berkshire Company; L. Ross Sine, Messenger Paper Company; W. E. Scott, Whitaker Paper Company; Louis H. Gieson, W. J. Hartman Company; Mr. Marshall, Marshall-Jackson; Mr. Gleason, LaSalle Paper Company; P. A. Howard, Ben Franklin Publishing Company; George V. McCune, Ben Franklin Publishing Company; Martin H. Kendig, Kendig & Hitchins; J. J. Mattis, D. F. Keller & Co.; W. H. Rogers, Barnes-Crosby Company; Mr. Van Patten, W. E. Wroe Company; F. W. Henkel, Wallace Press; A. G. Wallace, LaSalle Extension University; Otto Polanek, P. F. Pettibone Company; F. J. Koch, J. F. Koch Company; C. M. Stearns, Stearns Bros. & Co.; Don D. McKiernan, G. F. McKiernan & Co.; Craig B. Ketchum, Twentieth Century Press; A. D. Weinthrop, A. D. Weinthrop & Co.; S. H.

(Continued on page 16)

Salesmen!

We have an opening for an experienced, reliable, energetic traveller. We will consider salesmen in allied lines. Address applications to A. J. Pagel and same will be held strictly confidential.

A. J. Pagel & Co.

Incorporated

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MIAMI VALLEY PAPER MEN HOLD ENJOYABLE OUTING

Practically the Entire Membership Was Represented at the Annual Meeting of the Miami Valley Paper Manufacturers' Association at the Butler Country Club—Meeting Is Addressed By S. L. Busch, of the Chemical Paper Manufacturing Company, of Holyoke, on the Subject of Costs—American Writing Paper Company Conveys Largest Mortgage Ever Filed in Butler County.

[FROM OUR REGULAR CORRESPONDENT.]

DAYTON, OHIO, July 1, 1919.—An all-day outing and meeting were held by the members of the Miami Valley Paper Manufacturers' Association at the Butler Country Club last Tuesday. Fifty or more paper makers were in attendance, practically the whole membership having been represented. Mill centers sending paper manufacturers to the meeting included Hamilton, which city was in a manner, host to the visitors; West Carrollton, Dayton, Middletown, Excello, Trenton, Lookland, Franklin, Miamisburg and Urbana.

Besides an interesting golf contest there were tennis games and other outdoor sports. The day was spent in the open and an appetizing luncheon was served at noon. At 6.30 P. M. dinner was served at the club house.

After the enjoyment of a rather elaborate menu, the meeting was called to order by L. C. Anderson, president of the Association, who explained why these outings were being held. He said that the spirit of co-operation never was more in evidence in the paper trade than at present. The trade had found that in union there was strength, and he mentioned several things which could be accomplished by the Association, if concerted action is taken.

Mr. Anderson said that it was a great pleasure to introduce the Association's visitors, S. L. Busch, of the Chemical Paper Manufacturing Company of Holyoke, Mass., and Professor Sweeney of the University of Cincinnati.

Mr. Busch in his address dealt solely with the subject of "Costs," presenting many new angles and impressing particularly upon manufacturers the necessity of determining exact costs and of attending to those details, many of which at times appeared minor, to secure a reduction in costs so that the paper manufacturer could enjoy every penny of profit to which he is so justly entitled.

Professor Sweeney gave an interesting talk on the mechanical end of the business, showing a remarkable knowledge of the trade as a layman.

American Writing Paper Mortgage

The largest mortgage ever filed in the Butler county Recorder's Office, it is said, was filed last week. The mortgage is one of \$12,000,000, conveyed by the American Writing Paper company to the Old Colony Trust company of Massachusetts. The mortgage is recorded in Butler county on account of property owned in Lemon township by the American Writing Paper company. For the most part, this property consists of the Harding paper mills at Excello. A similar mortgage also was filed in Warren county, as a branch of the Harding mills is located at Franklin, the county seat of Warren county.

The mortgage was executed to the Old Colony Trust company as security for a claim which originally was \$17,000,000, but which has been reduced to \$12,000,000.

Recorder Tiemeye of Butler county states that mortgage is the largest that has ever come to his attention, and to his knowledge it is the largest ever brought to the Recorder's office.

The Miami Valley mills of the Miami Writing Paper company always has been among the most substantial industries. They were so rated when they belonged to the Harding interests of Franklin, before they were acquired by the Eastern concern.

Government Envelope Factory Busy Today

The new postage rate went into effect to-day. Announcement was made that no three-cent stamps would be redeemed and factory men were careful not to be caught with supplies. The fact that stamped envelopes may be redeemed as well as two-cent postal cards, also became known and this served to arouse considerable interest in the change.

The first of July found the Government envelope factory here just about up with its large orders, the force having been increased to meet the maximum output. Hundreds of millions of envelopes are being sent to all sections of the country, the cross-roads postoffices as well as those in metropolitan centers receiving their quota. The demand was extraordinary and indicates, in the view of envelope officials, a period of great commercial activity. The local office had about \$200,000 worth of three-cent stamps on hand when the change took place, but they can be used, as there will still exist a considerable call for three-cent stamps.

It is estimated that the yearly receipts of the Dayton postoffice will fall off \$63,000 as the result of the change from the three to the two-cent basis. Receipts from the sale of stamps, envelopes and postal cards from January 1, 1917, to December 31 was \$830,791.65.

General News of the Trade

W. J. Husman, who is identified with the Chatfield & Wood Paper company, will soon sever his connections with the Cincinnati firm, it is reported, and will engage in the manufacture of a new potato product which will be prepared for the market in a three-story building on Laurel street.

The Beckett Paper Company has given \$300 to the Boy Scout movement in Hamilton, while the Shuler & Benninghofer company, manufacturers of papermakers' felts, has made a substantial donation to the organization. In fact, many mill concerns in Hamilton contributed during the campaign which has just closed. In Dayton, the number of memberships subscribed for proved a decided surprise.

PAPER MEN VISIT KALAMAZOO

(Continued from page 14)

Van Artsdale and A. T. Birmingham, Birmingham-Proesser Company; Elmer S. Bersback, Manz Engraving Company; Oscar J. Bersback, The Hollister Press; Elliott Fulton, Blundin-Lyon Company; W. L. Glass, James McGregor Paper Company; E. H. Forkel, Methodist Book concern; H. H. Rosenberg, Kenfield-Leach & Co.; G. L. Stone, Crane & Co.; F. B. Hamm, Blakely Printing Company; Mr. Holmes, E. E. Lloyd Printing Company; Mr. Hagen, Workman Manufacturing Company; Harry Nelson, Magill-Weinsheimer Company; Mr. Sackison, Neely Printing Company; J. W. Hutchinson, Rogers & Hall; Charles L. Just, Superior Typesetting Company; W. L. Schuster, Workmen Manufacturing Company; O. E. Dallas, Blakely-Oswald Printing Company; E. B. Rasmussen, Excelsior Printing Company; S. L. Hattick, Drivers' Journal Publishing Company; William McDonald, Foster-McDonald; Ernest B. McCormick, Metropolitan Syndicate Press; T. D. Ward, A. C. Allen Paper Company; Dan T. McIver, L. T. Dwyer and F. M. Stevens, Seaman Paper Company.

Business Booming at Hamburg

RICHMOND, Va., July 1, 1919.—James Summers, superintendent at the Union Waxed and Parchment Paper Company, Hamburg, N. J., paid a visit to Richmond last week on business. He stayed several days with his family at his home in Glen Allen and says that business is booming at Hamburg.

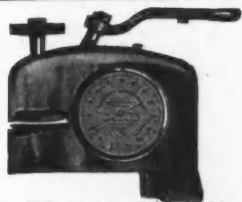
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SUTHERLAND

Pure Vegetable

PARCHMENT

Made in Kalamazoo, Michigan

SUTHERLAND PAPER CO.

Inquiries from Jobbers solicited.

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FOURDRINIER WIRES

DANDY ROLLS
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CHENEY BIGELOW WIRE WORKS

SPRINGFIELD, MASS.

MANUFACTURERS

Brass, Copper and Wire Cloth,
Bank and Office Railings and Grille Work

PAPER DEMAND IN CHICAGO SHOWS GREAT IMPROVEMENT

Higher Prices in Nearly All Lines Are Expected—Mills Are Getting Behind on Orders and This Means That Jobbers Who Want Early Deliveries Will Have to Place Their Orders Without Delay—Chicago Printers Greatly Enjoyed Trip to Paper Mills of Kalamazoo—Exporters of Paper Will Have Opportunity to Ship Direct from the Middle West to European Ports.

[FROM OUR REGULAR CORRESPONDENT.]

CHICAGO, June 30, 1919.—The paper trade of the city showed further improvement last week. Higher prices in nearly all lines are expected. They have been foreshadowed by the withdrawal of prices on the part of the mills, through their local mill salesmen. The latter declare that their mills are getting far behind on orders, and this means that jobbers who seek early delivery on their paper will have to place their orders without delay. Since the greater number of jobbers have been carrying light stocks for many months, it can be easily guessed that the majority of them want early delivery, and this is where the pinch is coming. The paper trade must now make up what it has lacked in snap and ginger during the past six months. Everybody here seems very optimistic. According to mill representatives and paper dealers an increase in prices is just what is needed to stimulate buying. The dealers declare that they can now send out notices of higher prices to printers and other customers, and that this will have the effect of increasing both the number and the tonnage of orders.

Kalamazoo Trip Is Big Success

The excursion of the printers to Kalamazoo, Mich., last week was a complete success, according to the statements of those who returned. The weather was ideal for the occasion, and the Kalamazoo brand of entertainment made a distinct hit with the printers. For a dry state the printers thought that Kalamazoo did particularly well in the way of entertainment.

"The trip to Kalamazoo was well worth the while of any printer," said C. L. Woodfield, secretary of the Franklin-Typothete of Chicago. "Those who went over were not only royally entertained, but they also had a chance to learn at first hand how paper is made. This is something which many printers have never had the opportunity to see, and yet, in the printing business, judgment of paper is one of the most important things. It is not possible to pass expert judgment on paper unless one knows exactly how it is made. In these days of high costs it is very essential that every printer who has a plant of his own should know how paper is made."

Flett Paper Stock Creditors to Meet

Frank L. Wean, referee in bankruptcy, has sent a notice to the creditors of the Flett Paper Stock Company, which was adjudged bankrupt May 12, that the first meeting of the creditors of the company will be held at Room 437, Monadnock Block, in Chicago, Illinois, at 11 o'clock on July 8.

Better Opportunity for Exporters

Exporters of paper in middle western territory will have an opportunity to ship direct from Chicago to European ports, as a result of the establishment of a new steamship line, the vessels of which will ply between Chicago and Liverpool, London and other ports on the Continent. The first vessel sailed last week from the Chicago River at Robey and 29th street. Eventually the fleet will contain 15 vessels. Cargo space is open to all who apply, and the rate is below that of the rail haul to New York, plus ocean freight to Liverpool. Paper mill men have expressed much interest in the new all water route between this city and Europe,

as it is expected that there will be plenty of export orders for everybody just as soon as the peace terms become operative.

General News of the Trade

Many paper dealers were in the city last week on their way to and from the outing of the Kimberly-Clark Company, at Neenah, Wis.

Henry G. Prosser, of the Birmingham & Prosser Company, paper jobbers, returned here during the week after a tour of the east, on which he visited the leading cities. Louis Simon, of the Kalamazoo office, paid a visit to the Chicago office early this week.

The Midwest Paper Company has moved from 732 Federal street to 712 Federal street, where extensive quarters have been taken on the first floor.

Walter G. Randall, treasurer of the Champion Coated Paper Company, has returned home after a visit at the Chicago office. Bob Butterworth, of the Chicago office, will spend July 4th at Grand Haven, Mich. Fred Dreskell, manager of the Chicago branch, made a trip to Cleveland last week. The company has withdrawn prices on coated paper, and new prices will be announced in a few days.

Karl Simonton, of the Wheat Paper Company, Elkhart, Ind., has returned to his home after a short business trip.

John Swigart, of the Swigart Paper Company, has returned to the city after visiting some of the mills in the northwest and attending the outing of the Kimberly-Clark Company at Neenah, Wis.

Harold Helmer, of Beecher, Peck & Lewis, the jobbing firm of Detroit, Mich., was a visitor in this market last week.

Douglas Wray, of the Douglas Wray Paper Company, will spend July 4th at Grand Beach, Mich., with his family.

B. M. Anderson, of the Carpenter Paper Company, Omaha, Neb., paid a visit to the mill men here this week.

Ellis R. Jones, of the Kansas City Paper House, Kansas City, Mo., was in the city on business during the week.

Peter King, of the Empire Paper Company, has left for the east, where he will spend his vacation visiting friends.

Harry Rowley, of the Chicago Paper Company, has returned to the city after an out-of-town business trip.

James Forsythe, of the Forsythe Paper Company, has returned from an out-of-town business trip.

Henry Law, of Dwight Brothers Paper Company, visited paper mills near Cincinnati last week.

Louis Dwyer, of the Seaman Paper Company, has returned from a trip to the mills. James Kavanagh, of the Milwaukee branch, spent a few days at headquarters.

Charles B. Brown, of Bradner, Smith & Co., was among those who visited the mills last week. Mr. Brown attended the outing of the Kimberly-Clark Company.

Ed. Schmidt, of the Parker, Thomas & Tucker Paper Company, visited the mills in the northwest during the week.

Wrapping paper prices figured in a sharp advance during the week, and it is predicted that still further advances will be made. The volume of the business is excellent. Many of the mills are oversold.

Edgar French, of the French Paper Company, Niles, Mich., was in the city on business during the week.

National Paper Products Build at Ogden

[FROM OUR REGULAR CORRESPONDENT.]

OGDEN, Utah, June 21, 1919.—Although no announcement has been made as to the location selected as the site for the National Paper Products Company factory, General Manager Mandel of the corporation, has decided upon the one property which he considers the best for the plant. Efforts are now being made to secure this property for the company and, if the negotiations are successful, the transfer will be immediately made. If this land is not secured the company will pick another site.

“IMPROVED” KNOTTER

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

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



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

Knotter Design No. 2

WE ASK A THOROUGH INVESTIGATION

IMPROVED PAPER MACHINERY CO.

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

The Sandy Hill Iron & Brass Works

Hudson Falls, N. Y.



Manufacturers of **Paper and Pulp
Mill Machinery**

DEMAND IN PHILADELPHIA REPORTED MUCH IMPROVED

Prices Also Have Advanced and the Prospects for a Continued Betterment Seem Unusually Favorable—Export Houses Are Looking Forward to a Considerable Expansion of Business Soon—Paper Stock Market Also Reflects the Improved Conditions—Reds Win From the Blues in the Annual Golf Match of the Paper, Printing and Publishing Trades.

[FROM OUR REGULAR CORRESPONDENT.]

PHILADELPHIA, June 30, 1919.—Not only has demand increased following the receipt during the preceding week of injuries, but prices have advanced too and with them large visions of business for those houses which for months past have been anticipating an export business.

During the week an advance of one-quarter cent on enamelled and supers was put into effect. Coated papers are scheduled for an advance on Thursday of this week. Mills have sent out by phone and telegraph notice of withdrawal of old prices and are selling subject to price at the time the order is placed. Actual conclusion of peace is believed to have been the main factor in the situation in causing the jump.

Good Outlook for Export Business

Houses with export business have been advised that commercially Europe is demoralized. The plan of procedure there will be to restore first of all the absolutely essential industries. Abroad, paper manufacture is not regarded as vital, and that means that the paper mills will be among the last of the industrial enterprises to be placed on a before-the-war basis. The consequence is that Europe will look to the United States for its paper supplies until such time as its own industry can be restored.

In the building paper market conditions are excellent, too. A great municipal loan containing much money for street improvements is pending before Councils. A week ago the reform element encompassed its defeat; now the prospect for passage is excellent. Operative builders were most active in securing reconsideration. Homes are a scarcity in this City of Homes, and the builders are planning much construction work immediately they are assured that the necessary street work will be done. Hence orders for building papers are coming in in large volume. Already prices on tarred roofing has advanced \$5 a ton, and there are prospects for still further advances. Rubber roofing has been advanced 10 cents a roll. In this connection the trade is interested in rumors that the Government proposes shortly to take some action regarding the use of the word "rubber" in relation with this form of roofing. Of course there is no rubber in such roofing; hence the possibility of Governmental prohibition of the name as a misbrand exists. Just what effect this will have on the trade is still a matter of speculation.

Paper Stock Market Improved

The paper stock market too reflects the improved condition of affairs. A week ago inquiries became more numerous; now they are being followed up by orders. So far as the cheaper grades used by boxboard makers are concerned there has been no increase up to this time. But stock is well cleaned up, both in the warehouses of the jobbers and in the mills, and since no large supplies are coming in the probability of an advance soon is a good one. The better grades of stock, however, all enjoy a strengthening of price; outside figures are now the prevailing ones, and before the week ends, certainly before July is very old, an advance all along the line is probable.

Burlaps keep on soaring. Demand for them both for new goods and for old stock exceeds the visible supply. The paper jobbers

have very little stock on hand, and the mills seem anxious to secure it even at the high rates at which it is held now.

Reds Win Golf Match

The fourth annual golf dinner match of the paper, printing and publishing trades on the grounds of the Philadelphia Cricket Club, St. Martin's, just outside the city, took place last week. Twosomes were played in the morning; foursomes in the afternoon, the losing team of the morning, play being charged with the expenses of luncheon and ground fee. The committee in charge consisted of J. L. N. Smythe, Irwin N. Megargee, and Hal T. Sorenson, of the Beck Engraving Company. The day's score follows:

Reds—H. T. Sorenson, H. F. Donahue, W. P. Scott, J. R. Fraser, W. Supplee, R. H. Hervey, C. F. Kindt, F. E. Miller, I. F. Megargee, C. W. Sutton, L. S. Megargee, C. M. Levis, S. H. Sykes, W. W. Seary, W. A. Jennens, R. H. Dippy.

Blues—G. W. McDougal, J. E. Johnson, E. A. Weihenmayer, C. H. Bowden, E. W. Fry, R. C. Osburn, D. Lindsay, J. L. N. Smythe, W. S. Shantz, J. H. Lindsay, R. N. Fell, A. F. Smith, G. A. B. Lietch, T. S. Dando, C. H. Morian, G. A. Vassel.

The Reds defeated the Blues by a total of 10 to 4. In the afternoon there was a four-ball kickers' handicap. Irvin N. Megargee, Col. Smythe and E. Leitch tied for the prize with net score of 79. Next month the Philadelphia Paper Trade will meet the New York Paper Trade golfers over a local course in a series of matches occupying two days.

Charles Beck Paper Co. Has Picnic

The picnic of the Charles Beck Paper Company was held at Clifford Park, in Pelham, near Philadelphia. Eighty employees and members of the firm, including Charles Beck, Sr., who has passed his four score of years; Charles Beck, Jr., Leon Beck, Miss Hortense Beck and Andrew Simon attended. There were sports of all kinds, baseball, shoe races and tugs of war—the latter being between the single and the married men, and of course the latter being more experienced, won easily. The firm entertained at a picnic luncheon, where informal addresses brought to a happy close an all-day red-letter event. The company has just adopted as its newest line Old Strafford deckle edge book papers made by the Strathmore Paper Company, Mittineague Mills, Mass. It is a high-class rag book paper. Excellent business in all its departments is reported by the firm.

Fine Paper Division Has Luncheon

Leon Beck was host at the luncheon of the paper division of the Philadelphia Paper Trade Association at the Bourse on Tuesday afternoon last. George W. Ward, of the D. L. Ward Company, in an address formally welcomed as the newest member Norbert Considine, president of the Paper House of Pennsylvania. Mr. Ward announced that all the paper houses would be closed July 5, thus giving the trade a three-day holiday, July 4, 5 and 6.

Typhotetae Has Banquet

On Wednesday night the Typhotetae sat down to banquet at the City Club, with 250 printers and many members of the paper trade as guests. After luncheon most interesting papers were read, the chief in interest being the survey of 60 per cent. of the Philadelphia printing and allied trades made by Secretary Heath of the Typhotetae. Its highlight was the statement that the 60 per cent. canvassed did annually an aggregate of \$21,000,000 in business, of which printing alone was between \$15,000,000 and \$16,000,000. He estimated that the printing trade alone used between \$3,000,000 and \$4,000,000 worth of paper, and the allied trade between \$1,250,000 and \$1,500,000.

A. S. Datz & Sons Open New Department

A. S. Datz & Sons have extended their paper business by the addition of a bond, book and cover paper department under the

(Continued on page 22)

CLAY

English and American

Uniform Quality

Reliable Service

Try Samples

The **JOHN W**

HIGMAN

COMPANY, INC.

29 Broadway

**Western Representative
CALE B. FORSYTHE**

New York City

**902 Hanselman Bldg.,
KALAMAZOO, MICH.**

ANNUAL PAPER TRADES FAIR TO BE HELD AT SPRINGFIELD

Manufacturers Meet and Discuss Plans for the Project—Holyoke Paper Men Attend Americanization Conference at Boston—Employees of the Chemical Paper Company Have Enjoyable Outing—Harry W. Alexander, of the American Writing Paper Company, and Frank B. Towne, on the Americanization Committee of the Holyoke Chamber of Commerce—Holyoke Street Trolley Express.

[FROM OUR REGULAR CORRESPONDENT.]

HOLYOKE, Mass., June 30, 1919.—Plans have been completed for an annual paper trades fair of New England to be held in Springfield. At a meeting attended by many paper manufacturers at the Nayasset Club last week the project was given further discussion and progress was made. This fair will be similar to the great furniture fairs held at Grand Rapids, Mich., and Jamestown, N. Y., when dealers from all over the country gather to buy stock and obtain latest data on the state of trade.

By this series of annual fairs it is hoped to make this part of the country the center of the nation's paper trade. The temporary committee consists of Charles H. Hall, George F. Winne, George T. Burkhardt, of the White & Wyckoff Manufacturing Company; Horace A. Moses, of the Strathmore Paper Company, and Clifton A. Crawford.

Attend Americanization Conference

Harry W. Alexander, assistant to President George A. Galliver, of the American Writing Paper Company, and Raymond R. Campbell, also of the American Writing Paper Company, attended the First National Conference on Americanization held at the Atlantic House, Nantasket Beach, last week, Monday and Tuesday. The purpose of the meeting at Nantasket, which was attended by two hundred representatives of American industries was to discuss best methods of conducting Americanization work among the 15,000,000 foreign-born in this country. The American Writing Paper Company, like all large concerns, employs many foreign born, and along with other leading concerns of the country is studying the momentous problem of assimilating the foreign-born in America.

Chemco Has Enjoyable Outing

The annual field day and outing of the Chemical Paper Manufacturing Company was held at Hampton Ponds, Saturday. Ten special cars were provided by the company to facilitate the transportation of the employees, and practically every employee of the company, together with relatives and friends, attended and helped make merry the occasion. This celebration was the best and most successful on record for the company, and it is well worth noticing that during these days of industrial unrest the Chemco concern has caught the spirit of the times, that in order to get results in paper production, a feeling of good will and mutual service must be built up between employer and employee. "Good Paper Through Co-operation of All Departments," has always been the Chemco slogan, and the company is to be complimented on the success it has made all along the line.

Personal and Trade Notes

The season for vacations has arrived. During the coming two months many familiar faces will be absent. Last week Edward N. White, of the White & Wyckoff Manufacturing Company, and family left for Moosehead Lake, Me., and S. R. Whiting, of the Collins Manufacturing Company, with family left for North Scituate, Mass., for the summer.

Lieut. Philip Bond, son of William Bond, of the Japanese Tissue Mills, has been discharged from the navy. During his six months with the navy he visited South America and Holland.

The Chamber of Commerce has an Americanization committee. Harry W. Alexander, of the American Writing Paper Company, and Frank B. Towne, of the National Blank Book Company, are the papermill men on it.

The Holyoke Street Railway Trolley Express, which has been endorsed by the paper manufacturers for many months, has finally materialized, and last week the first of these electric express cars was run. These connect with cities and towns throughout the State, and are a big assistance in making prompt shipment of small lots of paper, etc.

BETTER DEMAND IN PHILADELPHIA

(Continued from page 20.)

management of Howard Marcus, who recently returned from war. Mr. Marcus was in active battles at the front for thirteen months. He served with the 82d Division, 321st Field Artillery. He proposes in the new department to carry white and colored, watermarked and unwatermarked papers in a very complete line. A. S. Datz head of the firm, has been confined to his home during the week with gastritis.

Lieutenant W. R. Cole, secretary of the C. S. Garrett & Sons, Inc., returned during the week from the navy. He entered the service April 7, 1917, with the declaration of war, was assigned to the cruiser *Chicago*, which did convoy duty on the southern route by way of Bermuda and the Azores. He also was assigned to patrol work on South America. He is again in harness in the office.

Eighty croakers and drum fish, the prize being a 37-pound drum, were caught on a week-end fishing party at Fortescue in which A. H. Anderson and J. F. Mertz, salesmen for A. S. Datz & Sons participated last week. They were accompanied by a party of friends.

Charles M. Levis, vice president of Curtis & Bros., reports the mills running on full time on book and coated papers. Like other mills, they have notified the trade that all existing prices have been withdrawn.

The Champion Coated Paper Company from its local office sent out phone messages to all houses withdrawing prices on coated paper.

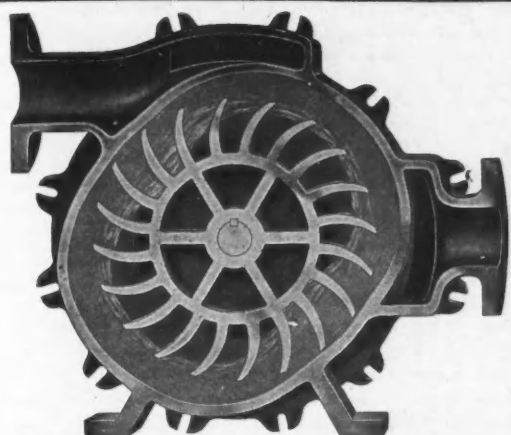
More than \$1,000 worth of paper owned by the Denny Tag Company was destroyed by fire which burned down the warehouse at West Chester, Pa., of E. Dallas Hemphill.

Robert H. Hervey, manager of the cardboard department of the D. L. Ward Company, has made a number of additional mill connections. The department will be enlarged to carry a complete line of all kinds of cardboards and boxboards.

Strike at Thorold Plant of Beaver Board Co.

[FROM OUR REGULAR CORRESPONDENT.]

NIAGARA FALLS, N. Y., June 28, 1919.—There is no change in the strike at the Beaver Board Company mill at Thorold, Ont., where 127 men went out ten days ago. More than two weeks ago the company voluntarily offered to work the men in three-hour shifts of eight hours each, instead of 11 hours, the previous schedule. The men, recently organized into a papermakers' union, demanded that the eight-hour day be immediately inaugurated, and that their organization be recognized. The company claims that agitators from the States prevailed on the men to enforce their demand immediately instead of waiting until the company put the shorter day in effect on July 1. The company has special armed guards stationed around the plant to prevent disorder. So far everything has been quiet, but pickets have been placed near the plant by the union. An organizer of the union is in Thorold conducting the strike. It is not probable that the mill will be opened until fall, as the company claims this is the dull season, and that sufficient stock is on hand here and at the other mills of the company to supply all orders.



The Nash Hydro-Turbine Vacuum Pump and Its Advantages

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

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

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Let the spirit of '76, to go forth and conquer, always be an inspiration for us, in the development of our country's world wide business possibilities.

Fred C. Strype
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NEW YORK CITY

Use "NATIONAL" Colors For Your Papers

The dyes offered by the National Aniline & Chemical Company cover every special requirement of the paper manufacturer.

Acid Colors

These colors are adapted to a wide variety of uses, and are noted for their fast qualities.

- Metanil Yellow 1955
- Croceine Orange Y Conc.
- Croceine Scarlet M O O
- Fast Red S Conc.
- Wool Scarlet B R
- Alkali Blue 2 G P
- Alkali Blue 3 R P
- Nigrosines

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Basic Colors combine brightness of shade with good tinctorial power, but are not so impervious to light.

- Auramine N A C
- Bismark Brown 53
- Victoria Green W B
- Safranine A
- Methyl Violet 2 B
- Methylene Blue 2 B
- Fuchsine P

National Aniline & Chemical Company

Incorporated

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FORESTRY SECTION VISIT NURSERIES AT BERTHIER

About Seventy-five Members of the Canadian Pulp and Paper Association Are Told What Is Being Done in the Way of Reforestation of the Government Nurseries—Mr. Wilson, of Laurentide Company, Tells About Methods of Fire Prevention—Forest Fires in Both East and West of Canada Are Causing Heavy Losses—A. L. Dawe Goes to England on Campaign of Education.

[FROM OUR REGULAR CORRESPONDENT.]

MONTREAL, QUE., June 30, 1919.—Seventy-five members of the forestry section of the Canadian Pulp and Paper Association met at Berthier on Wednesday and inspected the Government nurseries there. The members came to Berthier on special cars from Quebec and Montreal. Hon. Jules Allard, Minister of Lands and Forests, and Superintendent G. C. Piche of the forestry department, met the visitors and showed them what was being done in the way of reforestation at Berthier.

At the luncheon held at Berthier following the inspection, Hon. Jules Allard, G. C. Piche and Elwood Wilson were speakers. Mr. Allard spoke of the inauguration of the reforestation movement ten years ago, and outlined its objects, and expressed satisfaction with the results obtained. The Government, said the Minister, was intent on preserving the forests of the province, and one of the first problems to deal with was that of the "fake" colonist, who destroyed lands which were useless for cultivation, but valuable for other purposes.

Mr. Piche, after talking about the nurseries, and telling of the Government's stand toward reforestation, dealt with fire prevention, and expressed the opinion that the time had come when railways running through forests should be forced to abandon the use of soft coal and use oil fuel. Mr. Piche, as another means toward fire prevention, said that people should not be allowed to roam about the forests at will, but compelled to get permits to go into the forests.

Mr. Wilson, of the Laurentide Company, spoke about methods of fire prevention, and told of what steps had already been taken, and what it was proposed to do. He referred to the fact that there are now two aviators in the service to fight fires, and that Lieut. Stuart Graham was bringing an airship into the province for forest patrol purposes.

Forest Fires Cause Heavy Losses

With the coming of summer forest fires are ravaging the timber limits of Canada, both east and west, reporting serious conditions and heavy losses.

The forest fire situation in Alberta is the worst in years, according to Forestry Supervisor E. H. Finlayson, who says that fires are raging in many districts. A very heavy downpour will be required to check the progress of the flames in some sections. He declared that 30,000,000 feet of valuable timber has already been destroyed.

In the Bow River reserve from the Highwood to Red Deer there are fires. There is a bad fire on the Morley Indian reserve which has spread into the forest reserve.

The worst part of the blaze is the northwest corner of the Stoney Indian reserve, and it menaces Banff National Park's northern outskirts. North again several fires are burning very disastrously outside the forest reserve between the Ghost and James Rivers. Conditions are serious on the north side of Clearwater River, in the Rocky Mountains House district, and there are fires along the Nordeg River, north of the Saskatchewan, and in the Brazeau forest reserve.

About 300 acres of crown lands have been burned over by a forest fire which has been raging on crown lands in the vicinity of Wapske, a lumbering centre in Victoria County, on the Transcontinental railway.

The lands were under lease to the Wapske Lumber Company. The damage is said to be approximately \$25,000.

Mr. Dawe Sails for England

A. L. Dawe, secretary of the Canadian Pulp and Paper Association, has sailed for England this week, where he will represent the pulp and paper interests of Canada in connection with the Canadian Trade Mission.

Mr. Dawe's mission is purely educational since he does not go as a selling agent nor represent any individual producer, but goes as a representative of the industry as a whole. There is said to be a good deal of ignorance in Great Britain concerning Canadian pulp and paper products, which has been fostered, it is understood, by interested parties. It is to help in dispelling this ignorance and to enlighten the trade in general that Mr. Dawe goes to London.

Shipping conditions are said to be gradually improving and a considerable amount of Canadian pulp and considerable newsprint paper is now making its way to the old country. The indications are that as Canadian paper becomes better known over there the demand will increase very rapidly.

Notwithstanding that Canada is a great pulp and paper exporting country, and that almost every grade of paper is produced, the Dominion still imports a considerable amount, and that in increasing quantities. The Canadian Pulp and Paper Association is engaged in an effort to educate paper consumers in Canada into buying home products. That there is need for such education is shown by a comparison of paper imports for the fiscal year ending March 31, with those of previous years. These amounted in value to \$9,044,390 in 1919, \$7,516,398 in 1918 and \$6,848,422 in 1917. The bulk of these imports come from the United States. They could nearly all, according to Canadian paper men, have been obtained at home.

Laurentide Co. Improvements

The Laurentide Company is building a new finishing and storage building and elevators this summer which will be connected with the present building on the lower level. The ground floor will be used for finishing and the collection of outgoing material in car-load lots to facilitate quick and proper loading of cars.

The second and third stories will be for their storage purposes only, providing for space for 10,000 tons of paper in various forms.

Kalamazoo Cost Association Meets

[FROM OUR REGULAR CORRESPONDENT.]

KALAMAZOO, Mich., June 30, 1919.—The Kalamazoo Valley Paper Mill Cost Association held its regular meeting last Monday evening in the offices of the Kalamazoo Paper Company. George Ferguson spoke on "Overheads," and explained the system now being used by the Watervliet Paper Company in handling this matter. As the Watervliet was one of the first mills in the valley to install a cost system, the information offered proved valuable.

C. E. Lincoln and E. R. Snyder, both of the Peninsular Paper Company, Ypsilanti, were present. Mr. Lincoln as sales manager of the concern, and with considerable experience derived from paper mill work in the east, gave a talk on the lessons he had learned.

C. V. Kean, Jr., of the Bardeen Paper Company, Otsego, and Mr. Lincoln were named delegates from the Kalamazoo association to attend a combined meeting in New York city of the executive committee, classified group committee and a committee on co-operation of the cost association of the paper industry of America, which was held Thursday, June 26.

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Unbleached Sulphites

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TUBES AND CAPS
SINGLE and DOUBLE LINED
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SPECIALTIES, ETC.

Domestic and
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Souse a sizable sample of KVP Vegetable Parchment paper in either hot or cold water—and it “comes up smiling.” It is

Better Wet Than Dry

It saturates, but does not fall to pieces. It will not lint. Contact with water makes it stronger. We have had a sack of this paper filled with water, hanging up for days with almost no loss of moisture.

KVP Vegetable Parchment Paper is strong, protective, greaseproof and

Better Wet Than Dry

Secure samples from

Kalamazoo Vegetable Parchment Company, Kalamazoo, Michigan

“The World’s Model Paper Mill”

Manufacturers of waxed and bond papers, and vegetable parchment.

New York Trade Jottings

The Paper Utilities Corporation of 37 E. 18th street, have renewed the lease on the loft which they are now occupying.

Edward Beck, of the Canadian Pulp and Paper Association of Montreal, is among the visitors to the New York trade this week.

R. G. Benedict, of 299 Broadway, has been appointed Eastern sales agent for the Michigan Paper Company, of Plainwell, Mich.

The capital stock of A. J. Pagel & Co., pulp dealers of 347 Madison avenue, has been increased from \$100,000 to \$350,000, all paid in.

Joseph H. Cowhill, who has been in the service for the past two years, has rejoined the forces of Price & Pierce, Ltd., pulp dealers of 30 E. 42nd street.

Harry Rosenberg, who has been acting as head of the paper mill supply house of A. Saloman, Inc., 15 Park Row, since Emanuel Saloman left for Europe some weeks ago, was married recently to Miss Hannah Cohen.

R. S. Kellogg, secretary of the News Print Service Bureau, returned to New York, from Canada, early this week, where he attended the summer meeting of the Woodlands Section of the Canadian Pulp and Paper Association.

The Gatti-McQuade Company, waste paper packers, with offices in the Fifth Avenue Building, were elected to membership in the Merchants' Association at the last election. Joseph Gatti will represent the company in the association.

The American Paper Exports, Incorporated, paper exporters of 136 Liberty street, was elected recently to membership in the Merchants' Association of New York. Louis Chable, vice president of this concern, is given as representative.

L. Shulberg, of 63 Park Row, dealer in paper makers' supplies, owing to an increase in business, has installed an additional telephone in his offices, the number of which is Beekman 8211. The other numbers are Beekman 3197 and Beekman 3198.

An armistice has been called by the waste paper packers in the city, who went on strike recently, and the men have gone back to work for a period of two weeks. During that time conferences will be held with mill representatives, and it is hoped that some agreement will be reached before the two weeks' period expires.

The yacht *Fantasia*, which is owned by Ira L. Beebe, of the well known pulp house of Ira L. Beebe & Co., 132 Nassau street, was first home in the races held at the Atlantic Yacht Club last Saturday. In the race the boat was piloted by Ira L. Beebe, Jr., Mr. Beebe's eighteen-year-old son, who proved to be a better sailor than his father, who had failed to win a place with the same boat in the races held during the previous week.

A new policy was instituted by the West Virginia Pulp and Paper Company of 200 Fifth avenue on July 1, when it was announced that from that date on the company would issue its mill price list on the first of every month, instead of on the first and fifteenth as heretofore. The list will be issued simultaneously in ten of the large cities throughout the country. The July list contains several new Westvaco grades which have just been added to this company's line.

The *Illustrated Daily News*, New York's new pictorial daily newspaper which made its initial appearance on Thursday, is conducting a beauty contest, and has offered \$10,000 as first prize; \$2,500 for the second prize beauty and \$1,000 for the third. The money will be paid in cash for three photographs selected by the judges appointed to decide this contest—D. W. Griffith, Harrison Fisher and George M. Cohan. The paper contains news of the world in pictures. It is in tabloid form, printed on high grade paper, and is two cents a copy.

The first New York newspaper to raise the price of its Sunday morning edition is the *New York Morning Telegraph*, which advanced its price from 5 cents to 8 cents on June 22 in New York City and to 10 cents outside of Greater New York. Wholesale and newsdealers' rates were also increased. The *Morning Telegraph* has for many years been sold on week days and Sundays for 5 cents a copy. A previous increase had been made by the *Evening Telegram*, which advanced its Sunday evening edition from 2 cents to 5 cents early this month.

The financial editor of the *New York Herald* had the following to say in regard to the International Paper Company last Thursday: "Common stockholders of the International Paper Company again will have to wait awhile before that issue is placed on the dividend list. The directors yesterday declared only the preferred disbursement. However, the position of the stock has improved wonderfully in the last few years. Like International Mercantile Marine, American Woolen and other industrial stocks, International Paper has been transformed by the war from a struggling concern to a good money maker. Foreign competition has been removed, probably for years to come. While the company naturally has been unable to maintain earnings this year at the high rate touched in 1917, it was enabled to roll up a very comfortable surplus of about \$16,000,000, which is intact, while at the same time the funded debt has been reduced. Prices for newsprint paper will be settled July 1. It is expected that the basis will be satisfactory to the company and will assure a comfortable margin of earnings on the common stock."

Buys Interest in Erving Paper Mills

ERVING, Mass., July 1, 1919.—John B. Rieg has bought the interest in the Erving Paper Mills heretofore held by George I. Walker and at a meeting of the company, June 30, was elected its Secretary and Sales Manager. He will be at his new post July 8.

Mr. Rieg has been connected with the paper and printing industry for the past 22 years, the last five of which he was Sales Manager of the Detroit Sulphite Pulp and Paper Company, Detroit, Mich.

Mr. Rieg is known to almost every user of M. G. Papers and in addition to the present excellent line of these papers now being produced by the Erving Paper Mills the firm expects to bring out some new lines of M. G. Specialties that will greatly interest the trade.

The company's large business in Columbia creped napkins will be continued as usual.

New International Paper Agreement

An agreement was signed in the offices of the International Paper Company at 30 Broad street, last Thursday afternoon, by officials of the company and representative of the workmen, which binds the company to pay the wages agreed upon on May 12 last. The agreement runs for one year, and will act as successor to the award of the War Labor Board under which the men were working until May 11. The increase in wages under the new agreement amounts to nearly \$1,000,000.

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SOLID MANILA BOXBOARDS

OF EVERY DESCRIPTION

WHITE MILL BLANKS

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Paper Makers' Twine

Tube Rope

Wall Paper Twine

Hay Rope

Fine and Coarse Polished Twines

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Transmission Rope



For Prices Write Department M

American Manufacturing Company

Largest Makers of Commercial Twines and Rope in the World

Mills and Sales Office:

NOBLE AND WEST STREETS,

BROOKLYN, NEW YORK CITY

THE ORIGIN OF COATED OR ENAMELED BOOK PAPER

NEW YORK, June 30, 1919.

Editor of the PAPER TRADE JOURNAL:

A great deal of misunderstanding seems to exist as to the origin of coated or enameled book paper. It is, therefore, timely to make a record of the facts while the sources of information are available.

I am prompted particularly to do this because of the advertisement of S. D. Warren & Co. that appeared in the *Saturday Evening Post*, May 18, 1919. In this advertisement the following statement appears: "The very first American coated paper was made in our mills, and the first dull-coated stock." I believe neither of those statements to be correct, and I relate as briefly as possible my recollection of the facts and quote the testimony of others who had to do with the origin of enameled paper applied to the use of book printing. It must be understood, of course, that paper treated on one side and used for box covering, lithographing and other purposes had been manufactured years before its application was made to the printing of illustrations for books, magazines and catalogues.

It was in the Fall of 1874 or Spring of 1875 that Theodore L. De Vinne was called upon to print a fine catalogue for one of his customers which required illustrations not alone in black and white, but in colors. It was important that the colors retain their brilliancy after printing, and Mr. De Vinne consulted William P. Dane, then in the paper business at 174 William street. Mr. De Vinne laid down the stipulation that the paper on which he wished to print the colored illustrations must be coated on both sides, yet up to this time no such paper had been produced, only paper coated on one side. This had never been applied to the use of printing fine illustrations for book work, and at this time the halftone plate had not been developed; instead, woodcuts were the vogue.

Mr. Dane took his problem to Charles M. Gage, of the firm of Smith & Gage, known as the New England Card & Paper Company, located at Springfield, Mass. At this time Mr. Gage ranked as one of the leading authorities in making surface treated paper with any coating or enamel, as for instance, label paper and lithographic paper. He had been brought up in the manufacture of such paper, associated with his father in the firm of Gage-Murray & Co., afterwards the Nashua Coated & Glazed Paper Company. Mr. Gage took the problem under consideration, experimenting in coating and finishing paper to give it a level, smooth surface, to take every detail of the plates and keep the ink standing on the surface. He made a few reams for a trial, and from this lot Mr. De Vinne pulled his proofs. The paper was highly satisfactory, and the order was placed with Mr. Dane for enough paper to make the book. Mr. Dane is now dead, but an interview with him in 1901, dealing with this subject was printed in *Geyer's Stationer*, in the issue of December 26, 1901. This article is of vital import, because it contains a letter from Theodore L. De Vinne, now deceased, in confirmation of the above narrative. The article was entitled, "The Origin of the Manufacture of Coated Enameled Book and Wood Cut Paper," and reads as follows:

Interview with Wm. P. Dane

"Our news reporter in his walks and talks often gets on the track of an item that can be developed into "live copy" for the composing room. A few days ago it was suggested that William P. Dane, of 174 William street, could relate circumstances that laid the foundation for one of the largest industries in the line known as surfaced coated paper. A few days later the reporter called on Mr. Dane and stated the object of his mission.

"After a short preliminary talk Mr. Dane remarked: 'Well, there is not much to relate, but if you think the subject will be

of interest to your readers, I will give you the facts as I remember them. About twenty-five years ago Theodore L. De Vinne, of the De Vinne Press, said to me: "I have a customer who has asked me to estimate on a very fine catalogue and to promise results that will be satisfactory. I must ask some one to accomplish what has been considered impossible. One part of the catalogue is to be printed in black ink on sized and calendered book paper, the balance is to be printed in colors, and it is important that the colors retain their brilliancy after printing. To attain that result I must print on white coated paper, but the paper must be coated on both sides on a light-weight paper and match the sized and calendered in shade and finish. Now, can you help me accomplish my object?"

"I replied that his wants were numerous and exacting, inasmuch as they covered conditions that were without a precedent in the history of paper coating and finishing; but promised to give an answer in a few days. I at once explained myself by correspondence to Charles M. Gage, now president of the Champion Card & Paper Company, at East Pepperell, Mass., who was at that time connected with a factory at Springfield, Mass. Mr. Gage I knew to be a man who was never at a loss for resources, and, to the gratification of all, coated and finished a few reams as a trial lot and "hit the bull's eye" the first time. Mr. De Vinne pulled his proofs on the paper, sent in his estimate and booked his order and placed an order with me for nearly one hundred reams of paper to be coated on both sides.'

"Mr. Gage filled the order, and to him belongs the credit, for he is the "original Jacob" in the production of coated enameled book and woodcut paper. Mr. De Vinne is responsible for the introduction of the line in woodcut illustrated book and magazine printing. Later on Mr. De Vinne contracted to do the printing for Scribner & Co., afterward the Century Company, and made use of coated book paper for all illustrated pages. Half-tone illustrations followed woodcut printing, and reduced the cost of production, thereby making it possible to illustrate more freely, which has resulted in multiplying the number of magazines and trade papers, which has created a demand for coated book far beyond the expectation of the earlier manufacturers."

Letter from Theo. L. De Vinne

"Since the above interview Mr. Dane has mailed an extract from a letter recently received by him.

"NEW YORK, October 5, 1901.

"300 West 76th Street.

"Mr. William P. Dane, No. 174 William Street, New York:

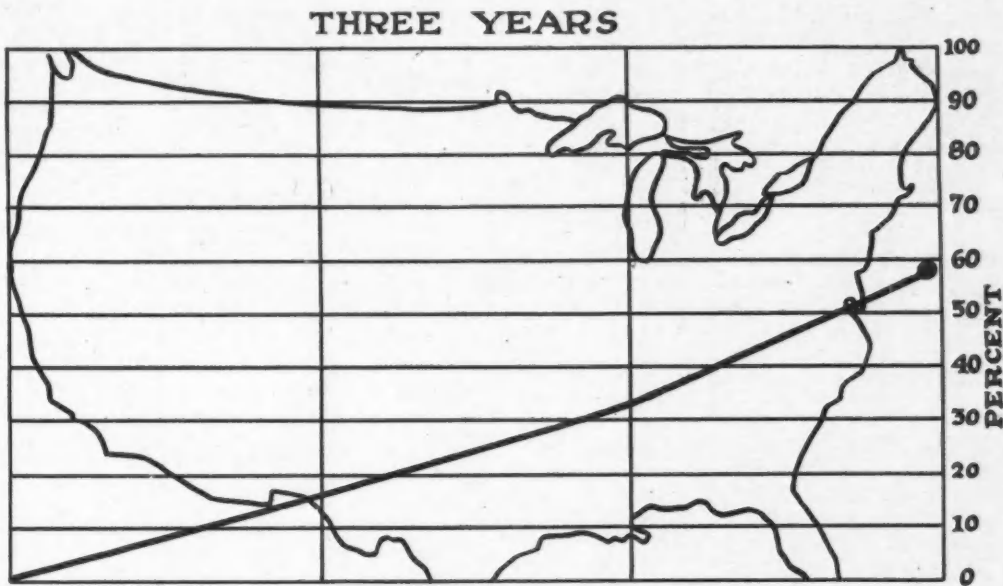
"My Dear Mr. Dane—I was much pleased to get your letter. It is true that time and distance and change of business have prevented me from seeing you as often as I did; but my recollections of our old business intercourse are most pleasant. I have not forgotten our first experiments in making and using coated paper for book work, which seems to have been a great success. Photo-engraving on so-called half-tone cuts would have made a mean showing without it. Coated paper has been the salvation of many designers and artists who never could have had their work properly executed by engraving on wood. But it has been death to the engravers on wood. How few of them are left! That trade or art has been completely knocked out. With kindest remembrances and best wishes. Yours cordially,

(Signed.)

"THEO. L. DE VINNE."

Later Scribners and Century magazines sought a paper of this character for their illustrations, and it was on these two publications that coated book paper was first used in large quantities. About this time, in the Fall of 1876, Mr. Gage sold his interest in

(Continued on page 30)



*From nothing to 58% in
three years*

Today 33- $\frac{1}{3}$ % of the newsprint made in the United States passes through Bird Screens.

Upon completion of present orders the percentage will have increased to 58%.

Can you afford to use the old type screens when your competitors are using Bird Screens?

Write for Catalog 1-A. Sent free on request.

BIRD MACHINE COMPANY

East Walpole, Mass.

T. H. Savery, Jr., Western Representative,
1630 Republic Bldg., Chicago, Ill.

BIDS AND SPECIFICATIONS FOR GOVERNMENT PAPER

Purchasing Officer of the Government Printing Office Announces the Receipt of Bids for Various Lots of Paper at Interesting Prices—Purchasing Officer of the Panama Canal Announces Bids on Various Lots of Paper to Be Used By His Department Throughout the Year—Bids and Awards on Paper to Be Used Throughout the Year By Various Other Departments of the Government.

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., July 1, 1919.—The following bids have been received by the Government Printing Office:

10,000 pounds (50 reams) of 22½x28½ 200, white China board; Graham Paper Company, at \$28 per 1,000 sheets; Champion Coated Paper Company, at \$33; Carter, Rice & Co., at \$35; George W. Millar & Co., at \$34; Dobler & Mudge, at \$31.80; United Paper-board Company, at \$32.50; Whitaker Paper Company, at \$31.72; R. P. Andrews Paper Company, at \$30.60; Holyoke Card & Paper Company, at \$34.50; and Mathers-Lamm Paper Company, at \$30.

500,000 pounds of white news print paper in 48 inch rolls, basis of 24x36—32 lbs.; D. L. Ward Company, at \$.0375 per pound.

32,400 pounds (400 reams) of 32x48—81, white S. & S. C. printing paper; Dobler & Mudge, at \$.1175 per pound; R. P. Andrews Paper Company, at \$.0825; Bryant Paper Company, at \$.08, and \$.0775; and D. L. Ward Company, at \$.132.

140,000 pounds of 32x46 No. 28 flat white writing paper and same in 23-inch rolls: D. L. Ward Company, at 23c. per pound; Strathmore Paper Company, at 21c.; Graham Paper Company, at \$.1875; Whitaker Paper Company, at 17c. and 16½c.; Hawthorne Paper Company, at 19c. and 18½c.; American Writing Paper Company, at \$.165 and \$.1575; Crocker-McElwain Company, at \$.2425; Aetna Paper Company, at \$.1547; Dobler & Mudge, at \$.211; R. P. Andrews Paper Company, at \$.1648; Whiting-Patterson Company, at 16c. and \$.1675.

750 pounds (105 sheets) of 34x44 No. 7 trunk board: C. L. La Boiteaux Company, at \$31.88; Kerr Paper Company, at \$26.25; R. P. Andrews Paper Company, at \$52, and Philip Rudolph Company, at \$97.50.

Bids for Panama Canal

The following bids have been received by the Purchasing Officer of the Panama Canal:

1,000 reams (500,000 sheets) of 24x37—50, of white M. F. book paper: Dobler & Mudge, at \$4,240; George W. Millar & Co., at \$4,500; Rockwell-Barnes Company, at \$4,750; Universal Trading Company, at \$4.40; Whiting-Patterson Company, at \$4,750, \$4,000 and \$3,500; R. P. Andrews Paper Company, at \$4,620; Whitaker Paper Company, at \$3,940.

1,500 rolls of 3-15/32 inch adding machine paper: Import Paper Company, at \$117.75; George W. Millar & Co., at \$176.25; Paper Manufacturers' Company, at \$119 per roll; Rockwell-Barnes Company, at \$210; Whiting-Patterson Company, at \$156; R. P. Andrews Paper Company, at \$170.25; and Whitaker Paper Company, at \$178.50.

ORIGIN OF COATED BOOK PAPER

(Continued from page 28)

the New England Card & Paper Company to his brother-in-law, W. B. Whitney, and returned to Nashua, N. H., where he met Colonel Fairchild, of S. D. Warren & Co., who asked Mr. Gage to meet him at their mill at East Pepperill, Mass., which he did. Colonel Fairchild explained that he had heard that Mr. Gage had been making experiments in the production of enameled

papers and had made a general study of this subject. He said further that S. D. Warren & Co. had a problem which he related about as follows:

They were receiving at that time a business of about 500 tons a year on label paper from Heinds-Ketcham Company, of Brooklyn, N. Y., but that they were threatened with the loss of this as Samuel Crump, of New Jersey, had produced a label paper coated on one side which held up the varnish and made a much more attractive label, as well as a saving in the use of varnish.

The outcome of this interview was that Colonel Fairchild arranged with Mr. Gage to have the latter purchase a coating machine in his own name to be shipped to Portland, Me. It was also arranged to have Mr. Gage go to the Cumberland Mills to instruct men in the operation of this machine and to supervise the manufacture of coated paper. The secrecy under which this arrangement was carried out, involving the purchase of the first coating machine in the name of Mr. Gage and its shipment consigned to him in Portland was due to the wish of the S. D. Warren Company, that other manufacturers would not know what they were doing in this connection. On November 1, 1879, Mr. Gage went to Cumberland Mills and there remained for eleven months, during which time he installed four coating machines and started Warren off in this branch of the business.

In the meantime, Mr. Fairchild had retired from the firm of S. D. Warren & Co. and was desirous of taking up the coating business at his own mill in East Pepperill, Mass., so after qualifying a man to take his place at Cumberland, Mr. Gage went to East Pepperill for the Fairchild Paper Company which had then just been organized and for them likewise he installed several coating machines. It was not long after this, however, that the coating equipment of the Fairchild Paper Company was bought by the Champion Card and Paper Company, which concern was organized by Mr. Gage, and of which he was President and General Manager. In 1901 it was merged into the Champion International Company, having been during the intervening years improved and enlarged with a corresponding increase in its production.

In the investigation that brought forth the above facts an interesting side light was also developed concerning the manner in which dead surface, or dull finish, coated paper came to be produced. Soon after coated paper had been taken up for use in the Century Magazine the Century people inquired about having a dull finished stock that would give the same results in printing half-tone plates as would a high finish enameled book. Mr. Sage was consulted in this matter and he recalled an instance, when his father had made a White China Board to which it proved impossible to give a high surface. This had made experiments necessary to determine the ingredients that prevented the paper taking a gloss when plated. Bringing this information to bear he was able to produce some samples of coated paper having no gloss whatever. As far as known, this was the first occasion for making dull surface coated paper, although no tangible results came out of it, because, it is not known that the Century Company ever ordered such paper until years later. Certain, however, it was several years before S. D. Warren & Co. offered to the public a dull finished enameled book paper.

Yours very truly,

CHARLES M. GAGE.

American Writing Files Big Mortgage

SPRINGFIELD, Mass.—A bond mortgage for \$12,000,000, given by the American Writing Paper Company of Holyoke to the Old Colony Trust Company of Boston, was filed yesterday in the registry of deeds. The mortgage is issued to provide funds to take up first mortgage bonds which mature on July 1. The papers contain \$6,000 worth of internal revenue stamps, the largest by \$5,100 of any amount of stamps thus far placed on a paper filed here.

Bleached and Unbleached
WOOD PULP
 of every description

M. GOTTESMAN & COMPANY

18 East 41st Street

INCORPORATED

::

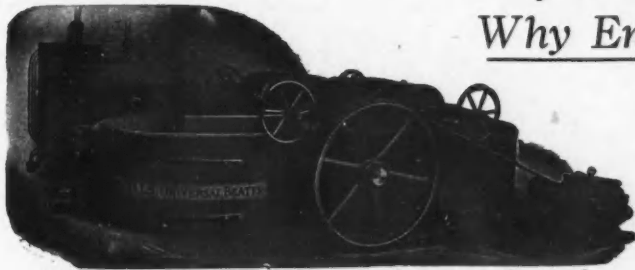
Established 1886

NEW YORK, N. Y.

Fourdrinier and Cylinder Paper Machines

Why Enlarge Your Beater Room?

Why Add More Power?

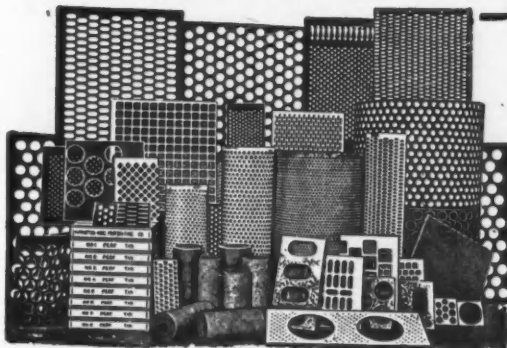


All infringements on present patents and patents to be issued will be vigorously prosecuted

This beater reduces stock to fibre of equal or better quality in half to one quarter of the time and with a saving of power which is remarkable. Do not take our word. Investigate. Manufactured by

MILLS MACHINE COMPANY ∴ **Lawrence, Mass., U. S. A.**

Builders of all kinds of paper mill machinery



PERFORATED METALS

Paper and Pulp Mill Screens

STEEL, IRON, COPPER, BRASS, BRONZE

FOR

Centrifugal and Rotary Screens—Drainer—Bottoms—Filter Plates—Pulp Washers, etc. All sizes and shapes of holes in many thicknesses and dimensions of sheets. Accuracy in all details and excellence of quality at lowest consistent prices.

THE HARRINGTON & KING PERFORATING CO.

618 NORTH UNION AVE., CHICAGO, ILL.

114 LIBERTY ST., NEW YORK, N. Y.

PRACTICAL QUESTIONS AND ANSWERS FOR MILL MEN

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

Reckoning Machine Production

Question No. 2452. Which is the best and simplest way of reckoning up how much a machine is making per hour?

Answer No. 2452. If the weight of your orders are figured on the basis of 25x38, 500 sheets to the ream, the simplest method to find the production per hour is as follows: Multiply the speed of the machine per minute by the base weight; multiply that result by the width of paper on machine, and divide the result by 600. Example: You are making a paper which is on the basis of 25x38-60 500/s. The width of your paper on the machine is 90 inches. The speed of the machine is 200 feet per minute: 200 speed, multiplied by 60 base weight equals 12,000, multiplied by 90 width of sheet equals 1,080,000, divided by 660 (factor) equals 1,636 pounds per hour.

Another method which does very well, in cases where the base weight of a given order is not handy, is as follows:

Multiply the speed of machine by weight on order. Multiply result by number of sheets, allowing $1\frac{1}{2}$ for each sheet. Divide that result by length of sheet. Example: Order, 33x46-90 480/s. Speed of machine 200 feet per minute. Making three 33-inch sheets on machine: 200 speed, multiplied by 90 weight, equals 18,000, multiplied by $4\frac{1}{2}$ (3 sheets multiplied by $1\frac{1}{2}$), equals 72,000, adding 9,000 equals 81,000, divided by 46 (length of sheet), equals 1,760 pounds per hour.

The above rule is made for 480 sheets to the ream, and you must reduce your weight to that basis if it calls for other than 480 sheets.

Altering Felt Wires

Question No. 2453. Which is the right way to alter felts and wires when they run over one side?

Answer No. 2453. When felts or wires run to one side there generally is something mechanically wrong with the machine. I presume you mean when the felts or wires fail to respond to ordinary checking by means of the guide roll. Felts won't run off if the seams are straight across, therefore the secret of keeping felts running steady is to keep the seam straight. If the seam of your felt is behind on either side then slack up that side which is behind, if it is ahead on either side, then that side should be tightened. If your seam is ahead in the center of the felt, one or two of your felt rolls should be wormed with strips of felt on each end, but none in the center of the roll. If your seam is behind in the center you should carry more worming in the center of the roll. A temporary remedy is to put a leader of old apron cloth around the roll in the desired position to alter the seam, but the difficulty should be overcome by proper worming at the first opportunity. The crown on the bottom press roll will affect the seam, and if you find that your paper isn't pressing evenly it would be well to get the press roll crowned properly before making any permanent change in worming the felt rolls. In the case of wires running off, it is caused nine times out of ten by some of the rolls being out of alignment. It is of the utmost importance to have all of your rolls which have any bearing on the wire per-

fectly level and in perfect alignment. If your top couch roll is the least bit out of line with the bottom couch roll, it will run your wire to one side very quickly; the only remedy is to line the two rolls. Another roll to which the wire is very sensitive is the stretch roll, when it is not in line with the other rolls. At times wires that have been running steady will suddenly go to one side or the other without any apparent cause. This is explained by most papermakers by saying that the suction boxes have got ahold of the wire, and is often overcome by easing off on the suction boxes and tightening the wire down, but in most cases it is generally found upon investigation that some roll is out of line or level. In cases of emergency, when the wire won't respond to the guide roll, it may be guided back to its proper place by carefully manipulating the stretch roll as a guide roll. This roll may be moved $\frac{1}{4}$ inch either way without much danger of running the wire into a wrinkle, but I wouldn't recommend that you make a practice of doing this. The proper thing is to keep after your Fourdrinier. Watch all bearings closely. Keep them well oiled, and see to it that they are all in perfect line and level.

Plans for Chemical Exposition

CHICAGO, July 1, 1919.—The week of September 22, when the greatest Exposition of the Chemical Industries in the world holds forth in the Coliseum and First Regiment Armory, will be a week of convocation of societies in Chicago with the Exposition.

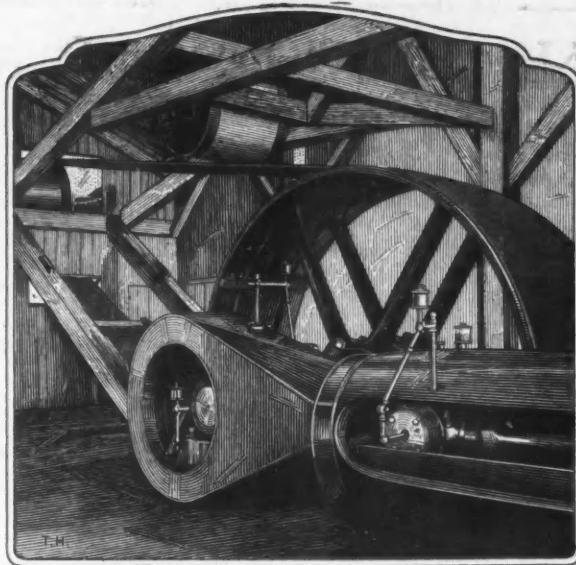
The American Institute of Mining Engineers will occupy the stage for the first part of the week; American Ceramic Society meets on Wednesday, September 24; the American Electrochemical Society on Thursday, Friday and Saturday, the 25th, 26th and 27th; the Technical Association of Pulp and Paper Industry on the 24th, 25th, 26th and 27th.

There will also be among the interesting features of the Exposition program a symposium upon "Safety in the Plant and Mine," with speakers of authority in this work, under the chairmanship of M. L. Leopold, Safety Engineer of the U. S. Bureau of Mines, and in the evening after this meeting—which will occupy an entire afternoon—there will be shown a series of motion pictures of safety work in plant, field and mine,—pictures now being made in industrial plants all over the country under the supervision of Government agents.

The motion picture program will consist almost entirely of films now being made and the completion of which will be hastened to be ready for the initial showing at the Exposition.

Even in motion pictures, as in all important improvements in plant machinery and products, the Exposition is outstanding as the place of introduction to the public of the newest and most recent developments. Each improvement of the projectoscope in motion picture projection has been reserved for first public demonstration at the Exposition, and again this year will have the latest developments in this field of endeavor.

Through the scientific investigation of our Engineering Department, all the factors which enter into the design of a belt have been standardized. According to best modern practice, belts are designed with an overload capacity of about 60%. Such ratings are found to give the lowest cost per horse-power transmitted per year.



48" Heart 3-ply Belt, 86 feet long, installed in 1911 in the mill of the C. A. Smith Lumber Company, Baypoint, Cal.. Driving Pulley, 14 feet. 101 R. P. M. Driven Pulley, 4 feet. Belt Speed, 4400 F. P. M. Theoretical horse-power, 600. Actual horse-power transmitted, 850 to 900. power transmitted per horse-power per week.

“Where Little Things Are Big”

Think what this belt must do. Traveling at 4400 feet per minute, it makes its circuit fifty times every sixty seconds. For every one of these revolutions, each part of the belt must slacken and tighten itself, practically once a second.

To be efficient, it must do this without loosening its grip on the pulleys, without jumping or slipping. That this 48" Heart Belt does transmit power efficiently is evidenced by the fact that it is delivering 250 more horse-power, or over 40% in excess of that for which it had been designed. It has been doing this for over 8 years.

The test of such conditions seems impossibly severe, and yet this belt succeeds because it is made from the right material—leather—which has retained so many of the wonderful properties that fit it to be the skin of a powerful, active, living animal.

In order that our leathers may meet these almost impossibly severe requirements of elasticity and pulley grip, we tan them ourselves specifically for belting use, handling 1000 hides a day.

That we may offer always the right belt for the required work, we make our Standardized Series of Leather Belting—a Belt for each class of power transmission. Standardized in manufacture and standardized in application to the work to be done.

Many of the best belted plants ask us to specify the belting for every pulley drive. Try the plan yourself. Then, when buying, call for “Graton & Knight—Brand or equal.” This won't commit you to buying our belts. It will put your buying on the one basic consideration—the work to be done.

Write for “Standardized Leather Belting” Book

THE GRATON & KNIGHT MFG. COMPANY, Worcester, Mass., U. S. A
Oak Leather Tanners, Makers of Leather Belting, Lace Leather, Packings, and Specialties

Atlanta
Boston

Chicago
Cleveland

Detroit
Fall River

Kansas City
Minneapolis

New Orleans
Montreal, Can.

New York
Philadelphia

Pittsburgh
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Graton & Knight Mfg. Co. of Texas—Dallas, Tex.

Graton & Knight Mfg. Co. of California—San Francisco, Cal.

Graton & Knight Mfg. Co. of Wisconsin—Milwaukee, Wis.



Graton & Knight

Standardized Series
Leather Belting

Tanned by us for belting use

Obituary

Reinhold Ihling

[FROM OUR REGULAR CORRESPONDENT.]

KALAMAZOO, Mich., June 30, 1919.—Reinhold Ihling, vice president of the well-known printing and paper house, Ihling Brothers & Everard, died suddenly Thursday morning, June 26, of heart failure. It is believed his death was induced by worry over the fatal illness of his son, Arno P. Ihling, who had died only a week previous.

Mr. Ihling was 71 years old and a native of Germany. He had been engaged in active business in Kalamazoo since 1871, being associated all that time with his brother, Otto Ihling.

Henry Gaertner

[FROM OUR REGULAR CORRESPONDENT.]

APPLETON, Wis., June 23, 1919.—Henry Gaertner, a chemical engineer employed by the Kimberly-Clark Company, was drowned at Niagara, Wis., last week while in bathing. Three days after the accident the body had not been recovered. Gaertner had been in the employ of the paper company since February. He graduated from Cornell University in 1918. His parents reside in New York City.

A Unique Toilet Paper Merchandising Idea

Harold Helmer, general manager of Beecher, Peck & Lewis, of Detroit, Mich., has conceived a very unique and original merchandising idea for the sale of toilet paper and is now making elaborate plans for national distribution of the line known as Alphabet Toilet.

While watching his children at play with blocks, it occurred

to Mr. Helmer that if letters and numerals were placed upon the labels of toilet paper that merchants could not only exhibit the line in window displays, but at the same time advertise any article of merchandise by the proper arrangement of the letter and numerals on the rolls. This inspiration was given serious consideration, and after suitable drawings were made, the basic idea was patented. Thus was born the name of Alphabet Toilet.

Arrangements have been made for the production of Alphabet Toilet in immense quantities, and judging from the immediate demand so readily developed it is likely that it will not be very long before the line will appear in most every show window from coast to coast.

Each roll of Alphabet Toilet has a separate letter of the alphabet or a numeral printed on it. The letters and figures are large and plain, printed in bright red ink so that they can easily be read at a distance. The proportional number allotted each character has been worked out by experts, giving the greatest range of advertising to each case containing one hundred rolls.

An extensive advertising campaign is now being prepared, and it is expected that a large number of paper dealers throughout the country will be interested in taking on the lines.

Trenton Paper Co. Organized

[FROM OUR REGULAR CORRESPONDENT.]

TRENTON, N. J., June 30, 1919.—The Trenton Bag and Paper Company has been organized for the purpose of buying and selling all kinds of paper, twine and wooden ware. The authorized capital stock is \$25,000. The firm's place of business is at 216 North Clinton avenue, with Howard R. Fagans as agent.

Announcement

BERTON C. HILL COMPANY

501 Fifth Avenue, New York City

WE ANNOUNCE THE INCORPORATION OF THE BUSINESS CONDUCTED BY BERTON C. HILL, REPRESENTING THE FOLLOWING MILLS:

American Coating Mills
Bardeen Paper Company
The Gardner & Harvey Co.
The J. P. Lewis Company

The New York-New England Co.
Wheat Paper Company
White Pigeon Coated Paper Co.
Wolverine Paper Company

THE SAME SELLING POLICY WHICH HAS BEEN FOLLOWED DURING THE PAST FIVE YEARS WILL BE MAINTAINED.

BERTON C. HILL, President
J. WHITNEY QUIMBY, Vice-President
M. H. REIDER, Secretary-Treasurer

JULY 1, 1919

GOODRICH

RUBBER GOODS *for the* PAPER MILL INDUSTRY

NOTICE *the* CONSTRUCTION *of* *this* DECKLE STRAP

There's the fabric in the center, equi-distant from every side, perpendicular to none—

YOU CAN USE ALL FOUR SIDES OF A GOODRICH DECKLE STRAP

No expensive regrinding as with the old two-sided strap. Our strap is a better one, it runs smoothly, it is flexible, it wears remarkably.

This is typical of the care we have taken in designing and making Paper Mill Supplies. Goodrich Hose for every purpose, Goodrich Transmission Belts, Rubber covered rolls, Pump valves, Screen disphragms, etc., have cut down costs in scores of Paper Mills—

—and they'll do it in yours. Send for our special Paper Mill catalog and investigate.

THE B. F. GOODRICH RUBBER CO.

The City of Goodrich—
AKRON, OHIO



Goodrich De Luxe Truck Tires Make Heavy Trucking Easy.

Recent Incorporations

RELIANCE MILL AND TRADING CORPORATION, Manhattan, paper pulp and products, 250 shares common stock, no par value; active capital \$5,000. Incorporators: U. M. Waite, J. Tatlock, H. Lyon, 37 Wall street.

CHARLES A. FOX BOX COMPANY, Manhattan, paper boxes. Capital, \$35,000. Incorporators: C. A. and D. H. and B. and I. Fox, 301 West 150th street.

ADVANCE PAPER GOODS COMPANY, Delaware; capital, \$300,000. Incorporators: Charles F. Janke, Charles J. Karabell, Anthony V. Parrotto, al of Indianapolis.

NEWDOM PUBLISHING COMPANY, INC., Manhattan, New York. Publishers, printers, book sellers, stationers, general advertising business. Capital, \$50,000. Incorporators: I. E. Schwartz, Newark, N. J.; A. Matthes, 431 West 121st street, New York City; W. A. Lesser, 1217 Flatbush avenue, Brooklyn.

TIDEWATER PAPER COMPANY, Newport News, Virginia; capital, \$50,000. Incorporators: W. T. Baker, president; W. C. Constable, secretary, both of Norfolk. General merchandise business.

Mr. Gottesman & Co. Get Additional Mill

M. Gottesman & Co., Inc., wood pulp merchants, 18 East 4th street, New York City, who recently announced the names of a large number of Scandinavian sulphite and sulphate mills for which they are to act as sole selling agents in this country have now also taken over the sole sale of the Hellefors Bruks Aktiebolag, Hellefors, Sweden.

The Hellefors Company, among other interests, controls the Frederiksborg Kraft mill and the Laxa Sulphite mill which make, respectively, high grade Kraft sulphate and high grade easy bleaching sulphite pulp. The total annual capacity of the mills which M. Gottesman & Co. now represent, amounts to practically 200,000 tons.

Both the Frederiksborg Kraft and Laxa easy bleaching sulphite pulps are most favorably known to American paper manufacturers, having been brought from abroad in very large quantities before the regular flow of Scandinavian pulps was interrupted.

M. Gottesman & Co. are prepared to submit samples and quotations on both the Frederiksborg Kraft sulphate and Laxa easy bleaching sulphite.

Th. Wigelius, the managing director of the Hellefors Bruks Aktiebolag, who with Mrs Wigelius arrived from Sweden on the

same steamer with D. S. Gottesman, sailed last week on his homeward journey, having spent the interim in a combined visit of pleasure and business. While here, Mr. Wigelius placed some very large orders with American manufacturers for materials required by the varied interests he represents.

J. R. Booth Mills Grant Increases

[FROM OUR REGULAR CORRESPONDENT.]

OTTAWA, Ont., June 30, 1919.—The sulphite workers at the J. R. Booth mills have accepted a new schedule of wages that brings them increases varying from four cents per hour to 10 per cent, according to the nature of their work. The new schedule was agreed upon following a conference between the employers and the men. During the pourparlers there was a remarkable spirit of co-operation between the representatives of the men and the company. There was no great difficulty in making an adjustment. All crafts in the Booth mills have secured increases in wages and this was achieved without recourse to a cessation of work.

Mr. Nichols Says Outlook Is Good

LOCKPORT, N. Y., June 23, 1919.—In all lines of industrial endeavor the manufacturing situation has been greatly improved, and the best is yet to come. H. N. Nichols, general manager of the Lockport Paper Company, has returned from an extensive business trip which proved to be very successful from a business standpoint. He reports the outlook very encouraging in all branches of manufacturing circles.

FOR SALE.

Rotary Kiers

18 to 25 ft. long; 72 to 96 in. diameter; pressure 20 to 75 lbs.

Available for immediate delivery at low price to dismantle plants.

Write us for particulars

RIVER SPINNING CO. Pawtucket, R. I.

HALL, WARD & WALKER, Inc.

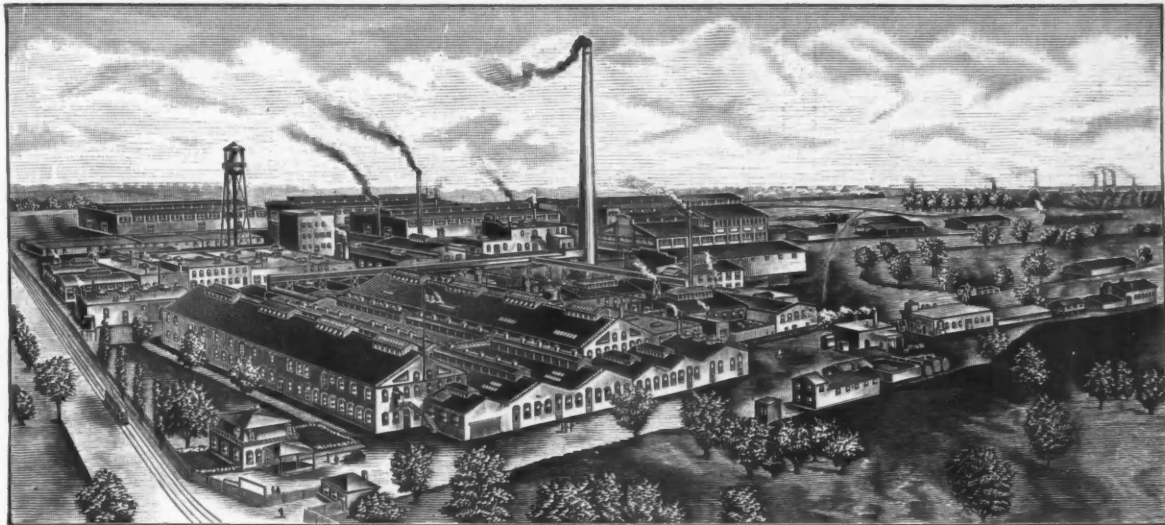
We Guarantee

Standard news with less than 10% Sulphite, a yield of more than 2200 lbs. per cord peeled or prepared wood and at less than 65 H. P. per ton.

Installations made without interruption of manufacture and for time, of men and expenses only. No charge whatever unless guaranty fulfilled. Licensee fee 10% of saving made or 20 cents per cord at licensee's option.

Hall, Ward & Walker, Inc., Sherman Bldg., Watertown, N. Y.

We Supply a Complete Line of
Colors for Papermakers
OUR LABORATORIES ARE AT YOUR SERVICE



WORKS IN NEWARK, N. J.

THE HELLER & MERZ CO.

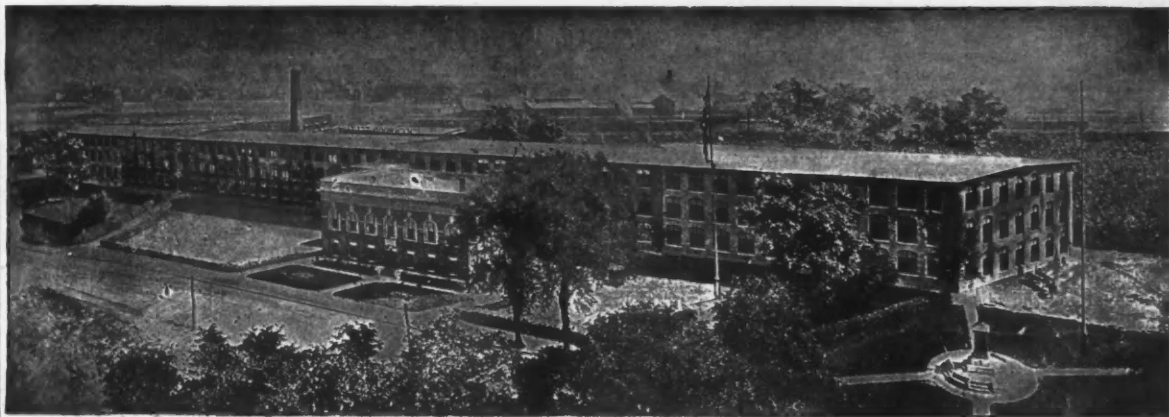
BOSTON

CHICAGO

NEW YORK

PHILADELPHIA

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.

To Make "Locktite" Cases at Norwich

NORWICH, Conn., June 30, 1919.—The Atlantic Container Products Corporation, a corporation organized under the laws of the State of New York, has leased a factory here, and will manufacture fibre shipping containers. The new company controls the rights to manufacture under the Goldring patent in all states east of the Mississippi River, excepting the State of Illinois.

The novel feature of the new fibre case is a patented lock described by the term "Locktite." The body of the case, the box proper is reinforced around the top and bottom by metal strips, with edges turned to form lips. Tops and bottoms are special parts from the case proper and are likewise reinforced around the edges with bent metal strips to form a hook lock and these tops and bottoms are lock snapped to the body proper. All metal stitches which are used for closing the container and those likewise used in attaching the strips are bent inward and when the case is assembled, all these metal fastenings are sealed on the inside of the case thus making it impossible to draw out the stitches and staples and again replacing them. This feature gives the case absolutely pilfer proof qualities.

The officers of the new corporation for the most part are familiar with the various lines of paper products and have had considerable experience, both from the sales and manufacturing standpoints. The officers are: H. T. Von Frankenberg, president, New York City; Walter E. Turner, vice-president, Norwich, Conn.; Albert M. Van Wagenen, treasurer, Norwich; and J. J. Edington, secretary, New York City.

National Paper Co. Opens Branch at Little Rock

ATLANTA, Ga., June 28, 1919.—Due to the heavy increase of their business west of the Mississippi river, the National Paper company, one of the largest paper manufacturing companies in the South, has just opened a branch factory at Little Rock, Ark.

The purpose of this factory is quickly to supply the trade in the West, and to save the long hauling costs from Atlanta. It will also enable the company to branch out further and cover this section of the country in a more adequate manner.

S. L. Wellhouse, manager of the company, also announced during the week that the company had erected a mill at Bolton, Ga., for the purpose of manufacturing the raw products needed to make bottle wrappers, cones, tubes, etc.

Mr. Wellhouse also reports that business has been excellent with the company recently, showing substantial gains over any other year, and that with the opening of the branch at Little Rock, and the mill at Bolton, he expects the business of the company to expand very rapidly in the future.

Paper Mill for Chattanooga

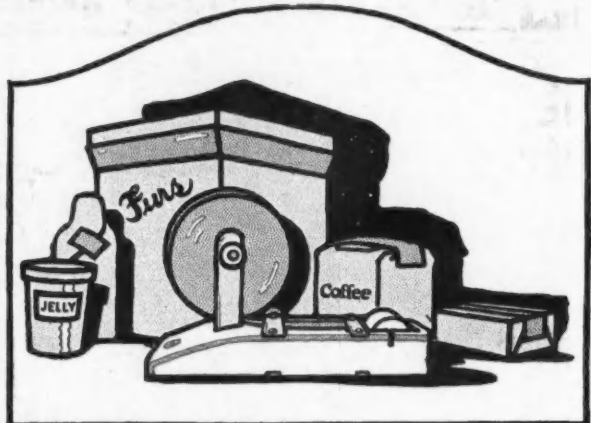
CHATTANOOGA, Tenn., June 27, 1919.—The O. B. Andrews Company, paper box manufacturer, has decided to increase its capitalization from \$200,000 to \$700,000, to provide for a paper mill and fibre box plant.

For the paper mill there will be required an expenditure of \$225,000, and for the fiber factory \$100,000. The paper mill will have a daily capacity of 65,000 pounds, to supply the fiber factory. Now employing 400 people, the plant as enlarged will employ 800 and have 400,000 square feet of floor space. More than \$2,500,000 will be the amount of the annual business.

Dixie Paper Co. Moves Into New Building

[FROM OUR REGULAR CORRESPONDENT.]

ATLANTA, Ga., June 30, 1919.—The Dixie Paper Company has just moved into its new building, which gives it 80,000 square feet, 150 feet facing Marietta Street running back to the railroad 368 feet. This is one of the most modern up-to-date paper houses in the South.



Better Packages at Less Expense

There's real thrift in using Tiedy Tape—does up packages more easily and economically than string. And it does lots of labelling, sealing and mending, that string can't do.

Our advertising in the Saturday Evening Post, Literary Digest, System and other publications hammers these truths home. It is a steadily increasing demand of merchants, business men and housewives for Tiedy Tape and Liberty Junior Moisteners.

Get your share of this business by displaying Tiedy Tape and Liberty Junior Moisteners. Use both in your store. Use our window display. Push these thrift-increasing products that yield liberal profits.

250 foot Tiedy Tape rolls sell for 12 cents and up. Widths $\frac{3}{4}$ inch to 2 inches. The Liberty Junior Tape Moistener, heavy white porcelain and nicked brass, sells for \$1.50

Prices, tape samples and literature on request.

LIBERTY PAPER COMPANY

Mills: Bellows Falls, Vt.

52 Vanderbilt Ave. New York, N. Y.

The **LIBERTY JUNIOR** *Moistener*
and **TIEDY** *Tape*

DU PONT AMERICAN INDUSTRIES



Du Pont American Dyestuffs

for TEXTILES, PAPER,
PAINTS, LEATHER *and*
PRINTING INKS

The Du Pont oval stands for over a century's experience in the manufacture of products with the prestige of leadership in every chosen field. It is your guarantee of the excellence and dependability of Du Pont American Dyestuffs.

E. I. du Pont de Nemours & Co.

Dyestuffs Sales Dept.

Wilmington ∴ Delaware

Branch Offices:

New York Boston Providence
Philadelphia Chicago
Charlotte, N. C.

DU PONT

Editorial

Vol. LXVIII. New York, Thursday, July 3, 1919 No. 27
FORTY-SEVENTH YEAR

Directory Information Requested

Blanks have been sent this week to all the paper and pulp mills in the United States and Canada requesting up-to-date information regarding the officers, equipment and production of these plants to be printed in the 1920 edition of *Lockwood's Directory* of the paper, stationery and allied trades.

For obvious reasons, it is desirable that specially careful attention be given this year by the mills, to the matter of revising their reports for the directory. As is well known, the various restrictions placed on the mills during the war by the Government made it impossible for them to continue all of the lines formerly manufactured, and this means that, as compared with a year ago, the production of some mills has considerably changed. It is the intention of the publishers of the directory to indicate all of these changes as accurately as possible, but the best results can be obtained only if the mills co-operate in this work, as they should.

Information also is specially desired for the new directory for the classified lists of manufacturers of paper specialties. This list has been constantly growing since it was first printed a number of years ago, and it is greatly appreciated by numerous subscribers to the directory. It is desired to make the list this year very much more comprehensive than it has ever been, and the co-operation of the trade is requested to this end. It should be remembered, however, that only manufacturers of paper specialties are eligible to be included in this list. All of these should not fail to send in the list of paper specialties made by them.

Lists for revision have also been sent out this week to general paper dealers, rags and paper stock dealers, stationers, etc.

It is earnestly requested that careful attention be given to these lists, and that they be returned as promptly as possible to the Lockwood Trade Journal Company, 10 East 39th street, New York.

Paying Wages Through a Bank Account

Not long ago the manager of a big industrial plant in England saw several hundred of his employees crowded around the paymaster's window, drawing their wages. It struck him that this was not only a waste of their time, but that it was an undignified scramble for the money they had earned. He would not have liked to get his own salary that way. It seemed as though a more modern method of paying wages might be contrived.

Going back to his office, he worked out a plan that combines dignity, time saving, and thrift. This has been approved by the company, and is now optional with employees, many of whom are taking advantage of it.

Instead of asking employees to congregate around the pay window and wait their turn, they may open a checking account at any bank selected by themselves, and the company deposits wages each week to the employee's credit, in his own bank. The employee then pays household bills by check, draws out whatever

cash is needed, and leaves the balance in the bank as savings. The company makes a further contribution to his account representing about five per cent interest in all the money which he is able to save.

Before the war, a dollar belonging to an employee and a dollar belonging to the employer, were seldom on speaking terms. They represented two entirely different kinds of money and had no association with each other on the employer's books, nor ever combined for teamwork.

But war finance broke down this "class consciousness" between the two dollars. When employees bought Liberty Bonds or pledged themselves to take a certain number of Thrift Stamps weekly, the employer volunteered to do the accounting, deducting bond payments from wages and slipping Thrift or War Savings Stamps into the pay envelope. This brought a new viewpoint to both parties. The wage earner often saved money for the first time in his life, and the employer felt that thrift had a stabilizing value in his work force. That was a value worth paying for, and presently the employer was adding money to employees' savings in the form of additional interest or a bonus. Now the idea is being carried further, as in this English plan of paying wages, extending decent banking facilities to wage earners.

For lack of a checking account hard-earned money is often frittered away, stolen, lost or handed over to fraud promoters. But any man or woman who banks money and pays bills by check, and accumulates savings for investment soon learns to manage money matters skilfully. The common distrust of banks disappears. The banker's counsel is sought in matters of investment. There is an improvement all around.

Increasing Wages

The Bureau of Labor Statistics, Department of Labor, has received replies from 56 paper manufacturers giving employment in March of this year as compared with last year. According to the replies in March of last year, there were 25,965 persons employed, decreasing slightly in March of this year to 25,729, or a decrease of .9 per cent. The pay rolls in these 56 mills, however, increased from \$490,887 in March of last year to \$565,825 in March of this year, or an increase of 15.3 per cent.

The Bureau also received replies from 56 paper mills comparing the employment in February and March of this year. In February there were employed in these mills 25,890 persons, decreasing slightly to 25,729, or a decrease of .6 per cent.

In connection with the changes of wages in the paper industry from February 15 to March 15, the Bureau says:

"An increase of about 10 per cent was given in two mills, affecting approximately 7 per cent. of the force in one mill and slightly more than 140 in the second mill."

Directly after the Fourth of July the House Committee on Ways and Means will decide just what is to be done in the matter of revising the tariff at the present session of Congress. It is understood that hearings will be held during the present session and probably in the near future, but whether or not the tariff will be taken up at this extra session of Congress is not yet known. Many Congressmen feel, in view of the unsettled situation, that it would be folly to revise the tariff at this time.

Meeting of Cost Executive Committees

A meeting of the executive committee, the classified group committee, and the committee on co-operation of the Cost Association of the Paper Industry, was held at the New York offices of the association, Thursday of last week.

The meeting opened with President Burchell presiding, and reports were called on from the chairman of the respective classified group committees: C. H. Coye, of the C. H. Dexter & Sons, Inc., Windsor Locke, Conn., reporting for the tissue group; J. P. Sill, of Wausau Sulphate Fibre Company, Mosinee, Wis., reporting for the wrapping group; B. E. Hutchinson, of American Writing Paper Company, Holyoke, Mass., reporting for the writing group. Mr. Hutchinson is temporary chairman for the writing group. C. E. Lincoln, of Peninsular Paper Company, Ypsilanti, Mich., reporting for the cover group.

The chairmen of the other branches of the industry have not been definitely determined on, but will be announced soon.

The scope of work and plan of action for the classified group committees and the committee on co-operation were determined on as follows:

The Classified Group Committees for each branch of the industry will handle all matters and all work of the various groups between convention periods and take responsibility for furnishing educational programs of interest for group meetings in connection with the national conventions. The national conventions occur three or four times a year. The chairmen of these committees are mill executives. Eventually the classified group committees, after an agreement on cost fundamentals, will devise, simple, uniform and elastic cost systems for their respective divisions of the industry.

Committee on Co-operation is composed of cost experts, one from each of the important branches of the industry. The cost expert on the committee on co-operation representing each particular branch automatically becomes a member ex-officio of the corresponding classified group committee. In this way his experience is always available, and through his membership on the committee on co-operation the accumulated experiences and knowledge of the entire committee becomes available for consultation purposes. Members of this committee are also ready to visit any mill, on request, at the particular mill's expense for the purpose of rendering such cost accounting service and assistance as may be desired.

In other words, the classified group committees plus the aid and assistance of the committee on co-operation furnish ideal machinery for doing constructive work for each branch of the industry.

President Burchell presented a paper on "Fundamentals and Essentials of Cost Accounting," which was discussed in detail. Sufficient revision and changes will be made in this paper with the idea of formulating a permanent basis of procedure.

The following officers and committeemen of the Cost Association were present: D. E. Burchell, S. L. Bush, C. H. Coye, E. J. Fitzgerald, B. A. Franklin, B. F. Frisque, B. E. Hutchinson, C. V. Kean, Jr., C. E. Lincoln, F. J. Maginniss, E. H. Naylor, M. F. Peterson, J. A. Reilly, H. D. Schmidt, J. P. Still, L. B. Seward, G. C. Thornburg, H. A. Wingate.

Berton C. Hill Co. Incorporates

Announcement was made at the offices of Berton C. Hill, 501 Fifth avenue, early this week, of the incorporation of the business conducted by Mr. Hill under the style of the Berton C. Hill Company. Under the new organization Mr. Hill becomes president of the concern, J. Whitney Quimby becomes vice-president, and M. H. Rieder becomes secretary-treasurer.

Mr. Hill has been long and favorably known in the trade. For the past five years he has served as New York representative to a number of large paper mills, and previous to that he was connected with the Niagara Paper Company of Niagara Falls, N. Y., and the Wabash Coating Mills, of Wabash, Ind.

J. Whitney Quimby for the past three years has been vice-president of the Alexander Holden Paper Company, and was prior to that manager of sales of the Lowe Paper Company of Ridgefield, N. J. Previous to that he was with the United Box Board and Paper Company of New York.

The new concern will represent the following mills: The American Coating Mills, the Bardeen Paper Company, the Gardner & Harvey Company, the J. P. Lewis Company, the New York-New England Company, the Wheat Paper Company, the White Pigeon Coated Paper Company, and the Wolverine Paper Company.

The same selling policy which has been followed during the past five years will be maintained.

Chillicothe Paper Co. to Incorporate

CHILLICOTHE, Ohio, June 23, 1919.—Preliminary to incorporation, a plan of organization of the new paper mill to be established in Chillicothe was adopted Monday night at a meeting of subscribers.

The new company will be named the Chillicothe Paper Company, and incorporation will be made within a few days.

The plan of organization was submitted to the meeting Monday by a committee composed of Hector McVicker, George Litter and Attorney Llye S. Evans. Austin Story recently returned from France, was named temporary secretary and treasurer to receive the necessary issues of preferred and common stock.

Stock will be issued, as previously announced, at \$100 a share in the amount of \$600,000, half of that amount common and half preferred.

Contributions to Vocational Education Fund

The following contributions to the vocational education fund of the Technical Association of the Pulp and Paper Industry have been received through R. S. Kellogg, secretary of the committee, 18 East Forty-first street, New York:

Previously acknowledged	\$2,889.43
American Writing Paper Company	300.00
York Haven Paper Company	50.00
Union Bag and Paper Corporation.....	150.00

Total, June 30, 1919.....\$3,389.43

Mexico to Make Paper From Zacaton

A press dispatch from Mexico City says that "experiments conducted by the Department of Agriculture have led to the announcement that zacaton, a grass which grows abundantly in various parts of the republic, may be used in the manufacture of paper. It is proposed to use the grass as a substitute for wood pulp."

EDWIN BUTTERWORTH & CO.

MANCHESTER, ENGLAND

Packers of all kinds of

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

83 Sole Agents HAFSLUND

BLEACHED SULPHITE PULP — BEAR BRAND

Boston Office, 136 Federal St. New York Office, 132 Nassau St.
 CHARLES H. WOOD, Sr. U. S. Mgr. LEWIS JENNINGS, Manager

"WATERBURY"

Felts-Jackets

ORISKANY, N. Y.

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

1869 {MADE ONLY AND GUARANTEED BY} 1918

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

PAPER AND PAPER STOCK IMPORTS AND EXPORTS OF THE UNITED STATES

For the Month Ending April 30, 1919, and for the Ten Months Ending April 30, 1919, as Compared with Corresponding Months of Three Previous Years.

IMPORTS—PAPER.

PAPER AND MANUFACTURES OF.	April 1918.		April 1919.		Ten Months Ended April 30 1917.		Ten Months Ended April 30 1918.		Ten Months Ended April 30 1919.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Books and other Printed Matter... { Free Dut.		\$174,968		\$340,679		\$3,401,812		\$1,749,979		\$3,007,322
Decalcomania paper, not printed.....free		60,595		80,995		1,256,797		1,006,310		790,501
Lithographic Labels and Prints (except Post Cards).....Dut.		7,638		8,693		114,329		105,986		123,413
Paper Hangings.....Dut.		18,631	10,146	11,471		338,929		216,682	126,633	171,361
Photographic.....Dut.		18,134		16,673		244,143		140,210		69,738
		18,402	107,207	34,963		569,483		417,997		465,513
PRINTING PAPERS FOR BOOKS AND NEWS- PAPERS—										
Valued at not above 5 cents per pound, lbs..Free	117,729,239	3,288,236	88,853,841	3,060,366	792,702,969	18,319,347	962,094,599	27,786,849	992,598,965	31,243,557
All other.....lbs..Dut.			11,432	6,383	757,726	76,961	204,509	33,444	108,032	49,302
Post Cards, Souvenir.....Dut.		2,959		1,789		22,590		39,042		26,788
Pulp board, in rolls, not laminated..lbs..Dut.			8,477,641	214,511					65,968,430	1,868,844
Surface-coated.....lbs..Dut.	6,056	2,746	3,493	2,437	479,938	81,033	375,543	84,141	197,489	43,798
Wrapping.....lbs..Dut.	629,599	31,265	246,974	20,573	5,317,810	308,647	4,459,264	276,777	5,825,152	464,737
All other.....Dut.		323,908		187,726		2,985,988		3,235,541		1,027,337
Total Paper, and Manufactures of.....		\$3,942,502		\$3,937,294		\$27,652,079		\$35,091,896		\$37,908,273

CRUDE PAPER STOCK.

Rags, other than Woolen.....lbs..Free	311,096	\$10,593	760,204	\$18,058	40,871,795	\$1,019,292	19,709,473	\$471,926	3,029,533	\$155,599
All other kinds of paper stock...lbs..Free		128,323	4,857,699	145,068		3,519,399		2,438,773	76,248,256	2,438,618
Total.....		\$139,216		\$163,114		\$4,538,691		\$2,910,699		\$2,597,376

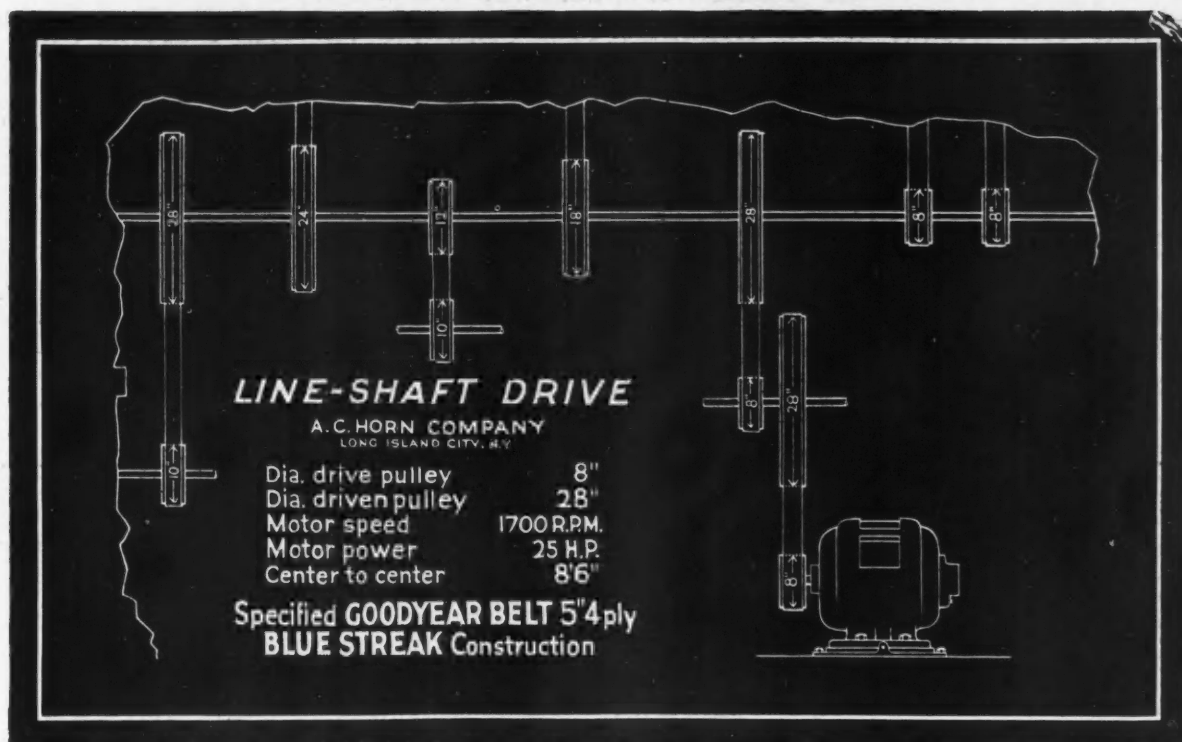
WOOD PULP.

Mechanically ground.....tons..Free	11,465	\$373,009	8,973	\$249,072	215,433	\$5,271,058	159,412	\$5,274,409	137,581	\$3,774,818
Imported from—										
Canada.....	11,465	\$373,009	8,081	\$238,911	206,648	\$4,969,962	147,943	\$4,949,997	136,644	\$3,759,079
Other countries.....			642	10,161	8,785	290,096	11,469	324,412	887	15,739
Chemical—										
Unbleached										
Sulphate.....tons..Free	11,880	\$839,138	6,527	\$407,506	82,030	\$6,268,707	79,965	\$6,963,719	84,777	\$6,470,313
Sulphite.....tons..Free	22,086	1,592,903	6,196	621,137	225,949	17,346,248	144,592	11,231,083	167,940	13,485,639
Total.....tons	33,966	\$2,432,041	12,725	\$928,668	307,979	\$23,614,955	224,587	\$18,214,902	252,117	\$19,955,972
Imported from—										
Norway.....					10,288	\$830,544	3,235	\$227,046	5,234	\$771,969
Sweden.....					154,290	11,628,807	39,820	3,863,874	7,041	735,423
Canada.....	33,966	\$2,432,041	12,725	\$928,668	142,998	11,132,050	180,129	13,912,480	239,387	18,400,235
Other countries.....					418	23,554	1,403	161,402	455	46,313
Bleached										
Sulphate.....tons..Free			197	\$10,171	4,184	\$312,853	1,253	\$165,908	4,715	\$396,413
Sulphite.....tons..Free	928	\$88,143	496	54,007	33,068	2,995,122	14,580	1,740,004	10,415	1,210,561
Total.....tons	928	\$88,143	693	\$64,178	37,252	\$3,307,975	15,833	\$1,906,912	15,130	\$1,607,274
Imported from—										
Norway.....					14,315	\$992,292	3,716	\$539,612	900	\$172,536
Sweden.....					15,555	1,587,728	1,368	172,202	450	93,035
Canada.....	928	\$88,143	693	\$64,178	7,382	727,955	9,853	1,083,656	13,412	1,300,094
Other countries.....							896	110,442	368	41,210

CHEMICALS AND OTHER PAPER MAKERS' MATERIALS.

Colors or Dyes.....Dut		\$240,541	154,546	\$298,640		\$2,651,521		\$2,102,068	1,009,588	\$2,266,680
Imported from—										
Germany.....			18,518	\$15,644		\$463,050		\$3,048	18,518	\$15,644
Switzerland.....		\$206,120	105,679	240,019		1,571,150		1,394,846	984,485	1,643,514
United Kingdom.....		12,665	23,139	34,642		457,471		494,396	590,712	534,655
Other countries.....		21,756	2,210	3,344		159,850		249,763	45,873	72,867
Indigo, natural and synthetic.....lbs..Free					337,412	\$900,038				
Natural.....lbs..Dut	112,741	\$153,313	16,557	\$17,337	746,003	1,453,638	1,631,516	\$2,685,799	968,534	\$1,213,927
Synthetic.....lbs..Dut	43,827	22,431	1,764	2,258	658,804	439,024	737,998	506,603	590,683	271,314
Alizarin and alizarin dyes.....lbs..Free			1,176	1,109	32,491	54,300				
Alizarin and alizarin dyes.....lbs..Dut					6,287	10,093		29,323	130,722	10,045
Lactarene or Casein.....lbs..Free	1,607,728	211,895	330,690	41,270	9,288,823	1,399,102	11,297,317	1,667,216	2,138,376	270,688
Lime, Chlor. of.....lbs..Dut	50	8			65,964	3,888		4,185	169	615,196
Magnesite, calcined, not purified..tons..Free	2,385	115,946	394	10,312	3,657	141,853		6,096	345,561	12,737
Potash, Hydrate of.....lbs..Free					62,251	28,333		11,732	4,398	
Sulphur or Brimstone, crude.....tons..Free					11,792	295,424		273	6,602	8
China clay or kaolin.....tons..Dut	16,717	114,835	16,899	192,318	158,426	963,748	165,415	1,080,139	127,617	1,199,728

(Continued on page 44.)



That Line-Shaft Drive, an Advertisement—and the G. T. M.

The A. C. Horn Company, Long Island City, N. Y., used to have much trouble with one of their line-shaft drives. On it even the most expensive double belts wore out in six months. Before they wore out they often slipped off the pulleys, or broke, leaving idle all the labor and machines depending on that line-shaft for power. The drive was costing a lot of money for belts and belt repairs, and more in lost production. One day Mr. Horn saw an advertisement telling about what a G. T. M., Goodyear Technical Man, had done in solving a difficult belting problem—reducing costs and increasing production.

He sent for a G. T. M. Our Mr. Miller came, studied the drive, measured pulleys, horsepower, speed and the like. He noted that the air was exceedingly dry and that there was a great amount of lime dust—which accounted in part for the rotting and wear of the belts previously used. So he specified a Goodyear Belt of Blue Streak Construction—designed to operate under just such conditions—and an inch narrower than those formerly used.

The price was much less than Mr. Horn had expected—so much less that there was some doubt

as to whether a belt of such modest price could meet the exacting conditions. But one was ordered and installed.

That 5-inch 4-ply Blue Streak has already given half again as much service as the most expensive belt they had ever used. Still more important, it has done away with the delays and diminished production that used to be so common. And it looks good for many more months of trouble-free service.

After that the G. T. M. made a plant analysis—analyzing every drive in the plant and prescribing the proper belt for it. Five of the recommended belts have already been installed. Every one of them has proved to be a strong endorsement for the value of the G. T. M.'s service.

If you have a difficult drive that either devours too many belts or interrupts production too often—or both—ask a G. T. M. to call. He'll do it without charge when next he is in your vicinity. There are many of them—all trained in the Goodyear Technical School—all with experience in plants similar to yours—all trained to sell belts to meet conditions and not as a grocer sells sugar.

THE GOODYEAR TIRE & RUBBER COMPANY, AKRON, OHIO

BELTING · PACKING HOSE · VALVES
GOODYEAR
AKRON

PAPER AND PAPER STOCK IMPORTS AND EXPORTS OF THE UNITED STATES

(Continued from page 42.)

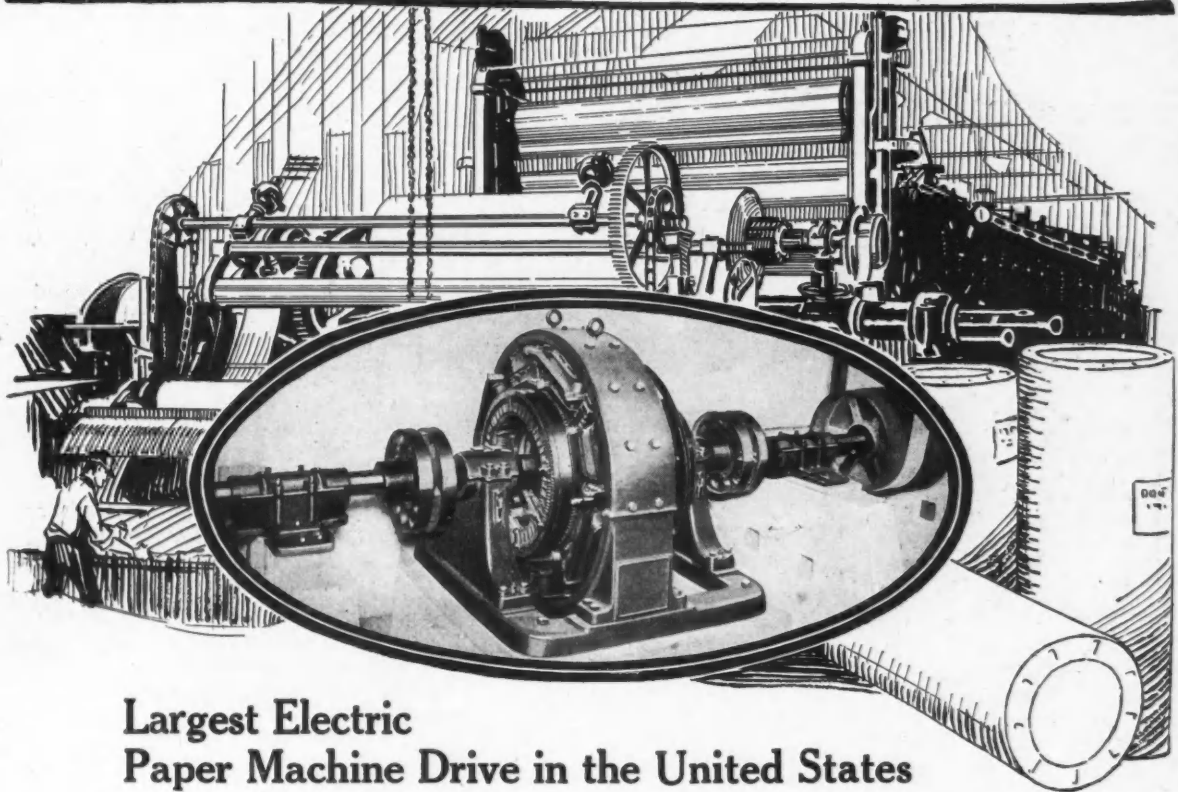
PAPER AND MANUFACTURES OF.	PULP WOOD.				Ten Months Ended April 30					
	1918.		April 1919.		1917.		1918.		1919.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Rough	9,052	\$77,722	12,126	\$103,565	175,193	\$1,054,995	171,064	\$1,317,706	271,704	\$2,506,204
Peeled	72,604	680,423	51,921	508,258	505,233	3,355,367	521,251	4,953,086	855,263	8,271,185
Rosced	2,381	25,086	2,112	21,294	134,751	1,070,163	117,661	1,395,316	113,405	1,386,008
Total Pulp Woods.....	84,037	\$783,831	66,159	\$633,117	815,177	\$5,480,465	809,910	\$7,666,106	1,240,372	\$12,163,907

EXPORTS—PAPER.										
Bags	1918.		April 1919.		1917.		1918.		1919.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Books, Music, Maps, Engravings, Etchings, Photographs and Other Printed Matter.....	895,264		1,306,340		8,444,077		9,495,718		11,559,459	
Boxes and Cartons.....	67,930		95,544		830,461		807,409		1,063,775	
Carbon Paper.....	52,432		72,709		467,707		364,686		718,515	
Cash-register and adding-machine paper.....	7,770		16,805				95,847		121,027	
Paper Board, Strawboard, etc.....	189,249		420,417		1,083,886		1,890,796		3,843,466	
Paper Hangings.....	42,370		129,638		405,643		351,530		602,285	
Playing Cards.....	62,038		171,180		356,919		493,519		1,100,132	
PRINTING PAPER—										
News Print	13,669,132	\$365,056	16,711,419	\$758,447	121,372,028	\$3,624,597	184,177,952	\$7,810,723	191,489,963	\$8,318,379
Exported to—										
France			4,515,053	\$185,965					40,238,892	\$1,639,190
United Kingdom	792,965	\$30,694	622,736	26,388	7,075,769	\$193,953	8,274,378	\$468,690	1,153,658	88,052
Canada	94,140	5,872	45,823	2,878	1,095,582	45,290	389,005	20,444	212,244	13,064
Mexico	1,094,517	35,673	294,900	17,877	6,017,201	260,708	7,710,510	322,532	3,319,393	155,552
Cuba	1,338,059	52,348	1,722,693	73,596	12,038,939	395,108	15,915,519	572,985	13,512,212	554,890
Argentina	1,154,903	45,208	2,272,009	85,617	40,103,503	1,013,441	39,909,517	1,697,451	39,239,267	1,541,342
Chile	1,879,378	75,050	469,056	17,548	5,501,905	179,864	13,871,597	562,624	7,682,385	315,049
Other South America.....	722,454	27,406	4,269,843	187,892	17,613,814	697,990	31,473,537	1,375,039	26,036,006	1,594,891
Australia	1,695,198	66,528	785,750	58,041	10,623,356	225,590	15,943,878	664,653	21,928,237	910,920
Other countries	4,931,518	235,272	1,723,496	108,042	20,940,559	642,743	50,709,991	2,146,305	28,167,691	1,535,420
All other	8,038,500	\$666,658	12,768,462	\$1,350,321	111,895,055	\$8,383,011	72,063,424	\$6,230,201	134,497,807	\$13,546,882
Exported to—										
United Kingdom	226,618	\$16,807	96,133	\$16,438	7,545,645	\$426,201	1,692,116	\$134,677	378,766	\$53,452
Canada	605,199	57,543	759,258	92,266	6,972,874	593,220	6,383,141	588,545	5,086,834	565,329
Mexico	50,854	6,259	875,666	70,853	6,347,022	545,334	2,390,001	299,963	2,967,953	255,552
Cuba	993,839	91,372	315,073	39,296	13,072,058	985,187	7,444,150	681,630	8,142,602	886,449
Argentina			1,434,212	184,092	19,013,838	1,435,308	7,074,788	622,253	15,770,883	1,700,542
Brazil	335,864	31,771	2,514,420	258,099	10,740,005	919,337	8,298,184	699,954	13,017,348	1,342,467
Chile	294,101	26,819	667,513	84,249	5,814,244	426,289	3,728,363	334,482	6,633,059	717,069
Other South America.....	161,320	17,965	513,039	57,499	7,502,704	631,233	2,934,395	234,544	4,348,117	498,104
British India			622,455	45,013					4,542,330	359,006
Japan	2,272,342	174,279	1,131,919	124,468	2,042,805	122,229	8,331,574	715,735	25,526,611	2,666,714
Australia	1,080,900	76,855	2,257,283	220,944	15,505,258	906,535	10,284,149	864,448	24,192,943	2,198,462
Other countries	2,057,403	166,868	1,670,441	157,472	17,138,402	1,344,088	13,282,563	1,113,950	23,270,351	2,318,145
Tissue and Toilet Paper.....		\$53,776		\$105,271				\$712,259		\$1,738,700
Towels and Napkins.....		7,653		18,951				71,416		107,395
Wax Paper		18,194		58,559				129,310		447,618
Wrapping Paper	5,097,924	336,704	6,467,193	695,522	55,490,865	\$3,174,007	48,907,162	3,691,306	59,742,833	5,551,657
Writing Paper and Envelopes.....		318,079		1,161,139		2,639,841		3,542,218		10,949,780
All other		357,710		731,075		4,348,344		4,287,920		7,496,259
Total Paper and Manufactures of.....		\$3,716,136		\$7,173,835		\$35,463,742		\$40,928,538		\$68,133,078

WOOD PULP AND PAPER STOCK.										
Paper stock, rags and other.....	lbs.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Paper stock, rags and other.....	2,356,734	\$42,767	2,536,790	\$76,149	22,907,151	\$554,446	26,640,372	\$597,386	25,963,547	\$665,886
Wood Pulp	275	21,856	2,718	264,255	20,638	1,562,771	30,048	3,182,761	18,691	1,579,230

MISCELLANEOUS ITEMS.										
Rosin	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Rosin	59,245	\$423,873	84,301	\$1,051,292	1,347,046	\$8,758,211	917,788	\$6,080,013	767,590	\$9,749,668
Exported to—										
Italy			5,357	\$72,000	49,273	\$309,260	10,056	\$63,570	9,777	\$149,139
Netherlands			3,102	46,434	730	4,988			7,136	86,258
Norway					65,694	398,526			22,397	277,395
Russia in Europe.....					74,090	421,737				
Sweden			3,372	56,960	6,743	43,517			9,307	149,844
United Kingdom	5,687	\$31,277	54,394	624,543	535,823	3,491,031	251,015	1,826,878	349,073	4,431,319
Canada	20,749	136,833	3,499	47,443	132,342	844,154	99,992	667,365	81,398	980,563
Cuba	1,689	10,286	1,741	27,268	25,322	164,803	29,161	189,262	16,733	216,582
Argentina	1,748	12,215	1,842	33,490	100,708	662,301	136,464	975,922	61,216	890,196
Brazil	5,077	42,820	4,512	60,322	122,502	798,772	129,088	943,530	74,440	932,701
Uruguay	1,860	12,000			19,681	129,240	16,344	124,278	23,933	298,966
Dutch East Indies.....	3,369	31,230	801	11,150	21,934	161,451	27,616	222,932	10,711	166,267
Japan	8,131	65,327			47,867	351,496	78,831	634,167	27,901	328,317
Australia	3,490	25,847	100	1,200	33,885	230,193	60,245	462,729	19,719	178,908
Other countries	7,445	56,038	5,581	70,482	110,352	776,203	79,011	578,380	53,968	717,136
Dyes and dyestuffs.....						8,683,239				
Sulphur or Brimstone.....	12,779	388,428	11,891	548,885	148,719	2,946,594	115,746	3,182,343	83,642	2,563,782
Sulphuric Acid	8,390,320	133,090	1,109,683	23,992	49,885,128	827,256	50,487,602	852,283	44,170,804	726,934
Paper and pulp mill machinery.....		200,009		224,889		1,624,719		1,556,475		1,929,770

G-E 400 H. P. Variable Speed Motor coupled to Paper Machine Shaft, Hawley Pulp & Paper Co. Mr. Hawley was asked his opinion of the installation, and stated, "I am greatly pleased with the installation and it cannot be recommended too highly."



Largest Electric Paper Machine Drive in the United States

At the Hawley Pulp and Paper Company, Oregon City, Oregon, the General Electric Company has installed a 400 H. P. Variable Speed Motor which is the largest electric drive in the United States for a paper machine.

The starting, stopping and adjustment of speed is directly under the control of the operator who can exactly hold constant any speed between 100 and 700 feet per minute.

This makes it possible for operator to hold paper weight exact and to minimize breakage.

This is but one of the many ways in which suitable electrical power equipment can improve the quality and quantity of your product.

General Electric
 General Office **Company** Schenectady, N.Y.

Insures a Uniformly High Grade of Product-Always



A UNIFORMLY dried product is one of the most essential features in the manufacture of paper goods because the *quality* of the finished material depends upon it.

However, *hand* regulation of the steam inlet valves will not result in a uniformly high grade of product because it is a physical impossibility for even the most careful and conscientious operator to detect and check every *temperature change* within the dryers.

Pressure controllers are equally unsatisfactory because paper drying is a *temperature* and not a pressure problem. It is not the pressure of the steam but the *heat* of the steam which dries the paper.

The Witham System *insures* a uniformly high grade of product—always—because it automatically responds to the slightest *tendency* toward a temperature change within the dryers—thus preventing over- or under-drying.

In fact, the Witham System is *guaranteed* to automatically maintain the desired temperature within half of 1 per cent variation. This *uniformity* not only produces a better and more uniform product, but the increased output and saving of steam and labor are soon sufficient to cover the *entire* cost of the Witham System.

Write for Bulletin T-101 TODAY. It will provide further details of interest.

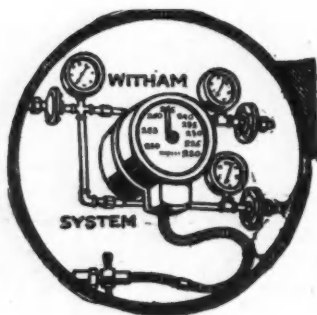
G. S. WITHAM, Sr.

106 Main Street

Hudson Falls, N. Y.

WITHAM
SYSTEM

of Automatic
Temperature
Control



Bache Trading Co., Inc.

Importers and Dealers in
Wood Pulp
and Paper

5 Beekman Street : New York

LA PAPETERIE

41st YEAR

THE LEADING JOURNAL FOR
THE FRENCH PAPER TRADE

9, Rue Lagrange PARIS (5^e)

The Fox Paper Company

General Offices

Lockland (Cincinnati), Ohio

Manufacturers of

Non-Test Chip—.006 to .045

Plain or Colored Test Chip

Board Specialties

Gummed and Ungummed Kraft Tape

Kraft Paper; Kraft Specialties

Bogus and Mill Wrappers

Red Rosin Sheathing, Plain or Indented

Building Paper, Blue Plaster Board,

Sanitary Bread Wrapper

*Let us submit samples and prices before placing
your next order*

SHIPPING POINTS:

Lockland, Ohio

Crescentville, Ohio

Rialto, Ohio

Can make up combination cars from Ohio mills of all
above grades

McNAMEE PAPER CLAY

is NOW and FOR FIFTY years has been

The Leading Clay of America

Oldest—Established 1867—same superintendent for over thirty years.

Largest—Two thousand acres—fifty million tons surplus.

Best—White and free from grit.

Capacity greatly increased—prompt deliveries guaranteed.

Send for samples and analysis.

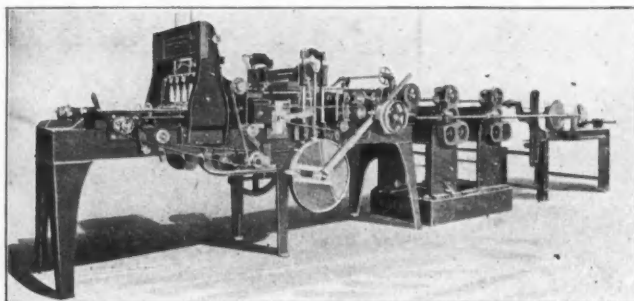
McNAMEE KAOLIN COMPANY

Cumberland Building,

Broadway at 54th Street, New York City

Mines at Bath, South Carolina

Inman Automatic Paper Box Machines



TAKES the paper board from the roll, prints, cuts, creases, pastes, sets-up and delivers paper boxes complete with one operator. The most economical method in use for producing paper boxes.

We manufacture a large variety of paper box machinery and solicit your inquiries.

Some of the many users of Inman Machines are:

American Steel & Wire Co.
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French Government
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Larkin Soap Co.
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Macbeth Evans Glass Co.
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Inman Manufacturing Co., Inc., Amsterdam, N. Y., U. S. A.

INMAN COLLAPSIBLE CORE For Paper and Paper Board



INMAN COLLAPSIBLE CORE

(Patented)

INDISPENSABLE for use in winding an even, hard roll of paper or paper board.

Heavy board will not break and roll cannot crush flat.

Insures more satisfactory operation; larger production, and eliminates waste.

Practically indestructible. Collapsible for return shipment. Price reasonable.

INMAN MANUFACTURING CO., Inc.
Amsterdam, New York

PAPER SCALES



Automatically registering accurate weight of 480 and 500 sheet in pounds also 500 sheet in kilograms. Finished in black enamel and brass.

WE ALSO SELL
A Very Accurate
AUTOMATIC
MICROMETER
CALIPER

6-Inch Dial



See Lockwood's Directory for 1919—Page 805

ACTUAL SIZE
22 inches high
19 inches wide

Price \$35.00

Securely packed, F. O. B. our factory.

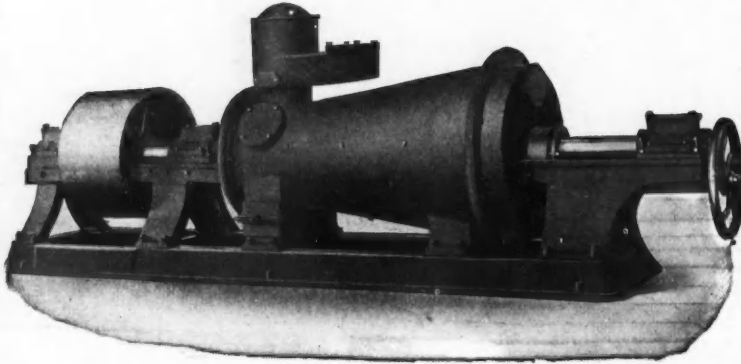
Made in Chicago,
U. S. A.

E. J. CADY & CO.

326 W. MADISON STREET

CHICAGO, ILL.

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.

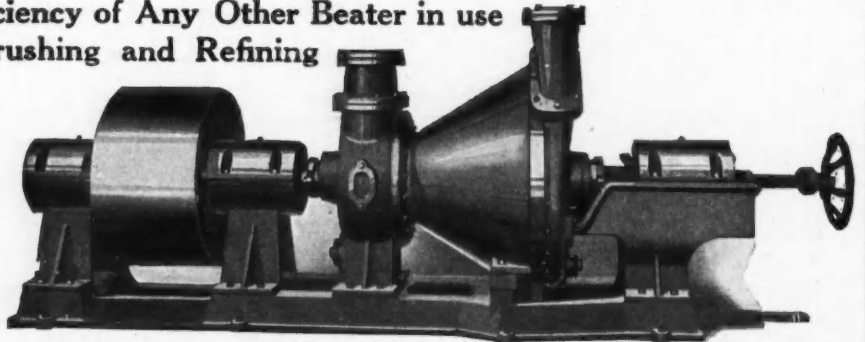
The Claflin Continuous Beater

Has $3\frac{1}{2}$ Times the Efficiency of Any Other Beater in use today, for Beating, Brushing and Refining Paper Stock.

*Has No Superior
for Paper or Boards*

—250—

Claflin Continuous
Beaters Now in Use



THE CLAFLIN ENGINEERING COMPANY, - LANCASTER, OHIO
The Canadian Fairbanks-Morse Co., Montreal, Quebec, Agents for Dominion of Canada

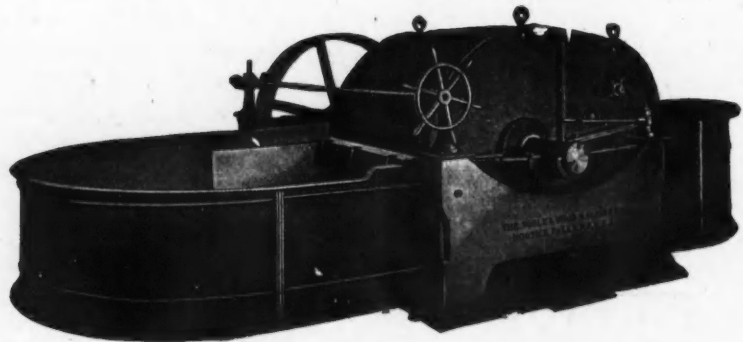
Beating Engines
Washing Engines
Mixing Engines
Breaking Engines
Cooking Engines

Wood or Iron Tubs; adapted to every paper mill condition

Jordan Engines—
(5 Sizes)

Board Machines

Staff Chests, Dusters, Pumps, Etc., Etc.



The Noble & Wood Machine Co., Hoosick Falls, N. Y.

“DRYDEN” KRAFT PULP

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

PAPER MAKERS’ ALUM

(Both Commercial and Free from Iron)

CASEIN, SATIN WHITE
ENGLISH CHINA CLAY
BORO PHOSPHATE
(Crystal)

The Kalbfleish Corporation
31 Union Square West,
New York, N. Y.

2



For handling bales

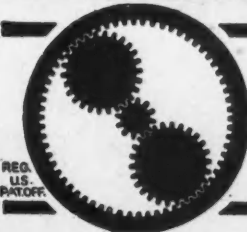
A Shepard Electric Crane or Hoist is the means of doing the work faster at a saving of expense and labor.

Where it takes a gang of men hours to shift bales and systematically stack a pile, a Shepard with its operator and a couple of “hands” will do the work efficiently and more satisfactory in half the time.

The Shepard Electric Cranes and Hoists have been rightly called “dust-proof,” “damp-proof” and “fool-proof.” Their closed-in construction protects all working parts both electrical and mechanical. We wish to tell you more about the Shepard line and how you can profit by the right hoisting equipment.

Shepard Electric Crane & Hoist Company
360 Schuyler Avenue Montour Falls, N. Y.

New York, Philadelphia, Chicago, Pittsburgh, Boston, Baltimore,
Cleveland, San Francisco, Montreal, Melbourne, London
Member Electric Hoist Manufacturers Association



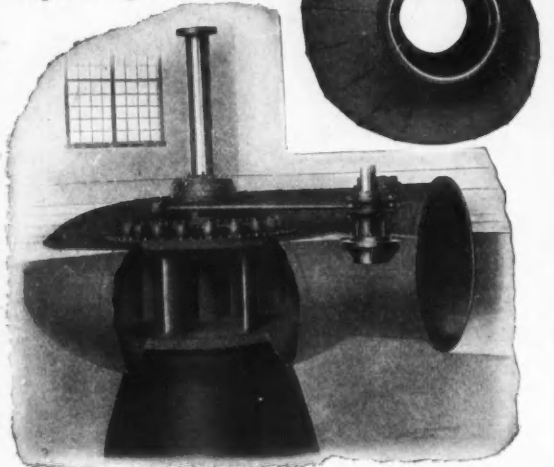
REG.
U.S.
PATOFF.

SHEPARD

ELECTRIC CRANES & HOISTS

2055-S

92 $\frac{1}{4}$ %
EFFICIENCY
 Under Actual
 Operating Conditions



Single Vertical Shaft "SMITH" Hydraulic Turbine installed in Niagara Mill of Kimberly & Clark Co. established the above performance record, developing 3,000 H. P. at 240 R. P. M. under 60 feet head. If interested, write Dept. "X" for Bulletin.

S. MORGAN SMITH CO., York, Pa.

176 Federal St.
 BOSTON

76 W. Monroe St.
 CHICAGO

405 Power Bldg.
 MONTREAL

461 Market St.
 SAN FRANCISCO



ACID PROOF WOOD PIPE

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

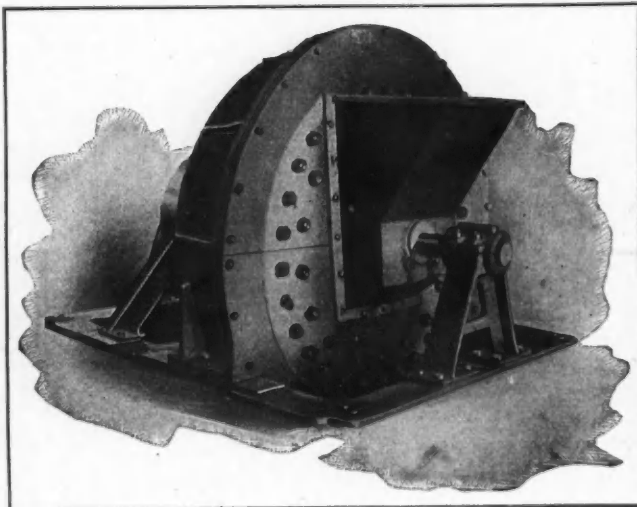
Let us tell you what other successful mills are doing with WYCKOFF.

A. WYCKOFF & SON CO.

ELMIRA, N. Y.

U. S. A.

THE CARTHAGE CHIP CRUSHER



NOT

A PULVERIZER

*Critical mill men know
 the difference*

**The Chipper
 People**

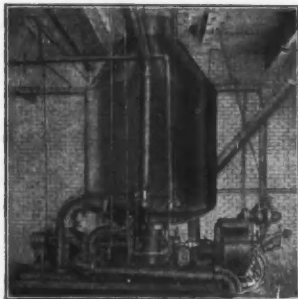
Carthage Machine Co., Carthage, N. Y.

HOWARD BOND

WATERMARKED

Color Brilliant : Strength Wonderful

THE HOWARD PAPER CO.
URBANA, OHIO



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

WINESTOCK DE-FIBERING AND DE-INKING PROCESS

PATENTED

Produces Strongest, Brightest and Best Pulp Obtainable from Waste Papers. Not a Mere Say-So, but a Fact.

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 fibers, instead of rubbing, grinding or kneading them in—thus shortening the time required for washing, and insuring a brighter pulp.

CASTLE, GOTTHEIL & OVERTON

200 Fifth Ave. Building **SOLE SELLING AGENTS** **New York, N. Y.**
IN THE UNITED STATES

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.

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

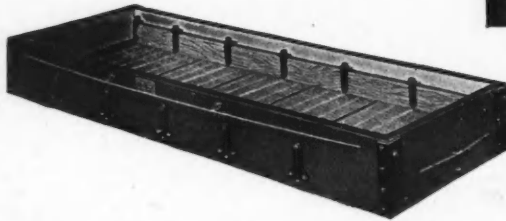
We make a specialty of Fine Wires for Magazine and Book Papers

NORTHERN BRAND
BLEACHING POWDER (HIGH TEST)
CAUSTIC SODA 76-78% N. Y. & L.

MICHIGAN ELECTROCHEMICAL COMPANY
 OFFICE AND WORKS—MENOMINEE, MICHIGAN

UNION SCREEN PLATE COMPANY

FITCHBURG, MASS., U. S. A.
 LENNOXVILLE, P. O. CANADA



UNION BRONZE SCREEN PLATES ROLLED BRASS
(Best phosphorized Cast Metal) (Union Quality)

Old Plates RECLOSED and RECUT to accurate gauge.

UNION BRONZE SCREWS for Screen Plates

UNION BRONZE SUCTION BOX PLATES

Immediate Delivery of the Largest Orders. Satisfaction Guaranteed.

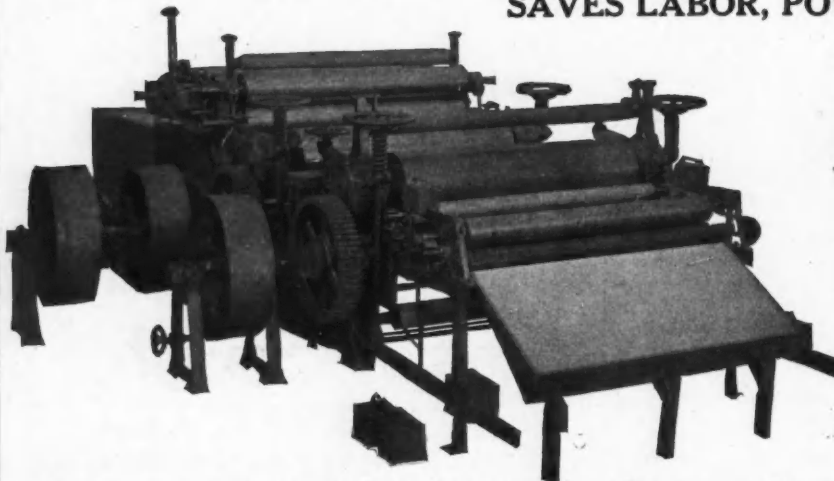
The WITHAM SCREEN PLATE FASTENER, Patented
 THE ORIGINAL THE BEST

Over One Thousand in Successful Operation

Recommended by Screen Makers

ROGERS WET MACHINE

SAVES LABOR, POWER AND FREIGHT



Built both single and double press. They operate successfully on both sulphite and sulphate pulp.

Felt cost is low considering dryness obtained.

Ball bearings for cylinder mould and couch roll.

Automatic felt guides.

Handy sheets 33" x 36" automatically deposited in tray at front of machine of a uniform dry test of 47%.

Illustration shows Rogers Double Wet Machine which has a capacity of 30 dry tons in 24 hours.

WORKMANSHIP AND MATERIAL GUARANTEED.

GLENS FALLS MACHINE WORKS : Glens Falls, N. Y.

Try Our Split Cams for Your Flat Screens



CUT down excessive wrapping paper investment. Why carry two wrapping paper lines for one wrapping paper purpose?

MOSINEE

presents a perfect wrapping paper, weight and strength for each wrapping purpose. Made in all weights, from 15 lb. to 100 lb. basis. The one complete, standardized and economical line of wrapping paper sold.

MOSINEE KRAFT

"The Wrapper That Delivers the Goods"

WATCO BOND

OUR new mill in Cohoes is now concentrating on our latest presentation, WATCO BOND, in white and colors. This new paper is distinguished for its crisp, crackly "body" and its unusually reasonable price.

"Service in Specialties"

At our Waterford Mill we are still maintaining our reputation for service in specialties. Colored specialties are our strong point and we want the opportunity of quoting whenever YOU are in the market.

Frank Gilbert Paper Co.
Cohoes, N. Y.
Waterford, N. Y.

ALEXANDER JACOB & CO.

WAPPING, LONDON, ENGLAND

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WASTE PAPERS, SHAVINGS, NEW AND OLD CANVAS, RAGS, ROPES AND STRINGS, GUNNY, TARES

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All Sizes, to Suit Locations
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FLORENCE, MASS.

ORR FELTS AND JACKETS

ALL ARE GIVING SATISFACTION ON

NEWS AND FAST RUNNING MACHINES

THESE FELTS ARE WOVEN ENDLESS

THE ORR FELT & BLANKET CO., Piqua, Ohio, U. S. A.

COLLINS MANUFACTURING COMPANY

SAMUEL R. WHITING, Pres. and Treas.

Manufacturers of
LOFT DRIED PAPERS
LEDGERS
BONDS
WRITING PAPERS

Mill: North Wilbraham, Mass.
Main office:
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Paper manufacturers generally recognize the value of **starch** in the manufacture and coating of paper.

To obtain definite results in any desired direction in the preparation of paper, not merely a difference of grade, but a difference of kind or variety of **starch** is required.

Our carefully controlled and thoroughly standardized processes enable us which the paper industry has found to produce exactly the various **starches** economical and efficient.

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Starch

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A Paper Bag With a Handle

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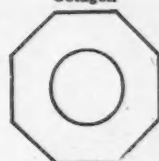
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Excellent Opportunities

offered to invest in Paper Mills, either as a straight paying investment, or active partner proposition. We have for sale, the following dandy propositions:

Fine Paper Mill Site in Vermont, with fourteen dwellings and part mill buildings; water capable developing three hundred horse power. Well worth investigating.

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SWEDISH PULP

We represent some of the best mills in Sweden and offer you at the lowest mill prices,

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TRADE MARK

New York Market Review

OFFICE OF THE PAPER TRADE JOURNAL,
WEDNESDAY, July 2, 1919.

The New York market continued to gain strength this week, and the demand for all grades of paper has increased. The height of the market has by no means been reached, and there is every reason to believe that this year will be as big a year for the manufacturers and distributors of paper as any year during the war. The work of reconstruction will create a great demand for all grades of paper, as a large volume of advertising will be done, and a vast amount of business will be transacted. There is little danger of foreign paper manufacturers entering the field and competing with our American goods, and it will remain for the paper merchants of this country to supply the paper needs of the world.

The foreign demand for paper is steadily increasing. Exporters report that a large number of inquiries are being received from all parts of the world, and shipments involving large tonnages are constantly being made. Now that the peace treaty has been signed, it is believed that more cargo space will soon be released for commercial needs, and that ocean freight rates will soon be reduced. Exporters are of the opinion that as soon as the boats now in the transport service are freed, an opportunity will be presented to make the export business greater than it has ever been.

The news print market has been very active this week, and manufacturers have seen fit to advance all prices. Newspaper circulations are increasing, and in addition to this nearly all publications are issuing larger editions than ever before. One manufacturer has pointed out that there may be a shortage of stock soon, caused by the fact that newspapers in several of the large cities have resumed the practice of accepting returns. He claims by this means a large tonnage of paper is being wasted, and unless some action is taken, stock will become scarce and prices will go to even higher levels.

There has been no decrease in the activity in the book and paper market. All mills are running to capacity to fill contract obligations, and many mills have withdrawn from the market up until the first of the year. Prices have been steady for all grades this week, and there has been no change in quotations.

All fine papers are in active demand and stocks continue to move in increasing volumes. There has been no definite move made by market factors to advance quotations as yet, but the trend of the market is, doubtless upward, and higher prices are not believed to be far off.

The demand for all coarse papers has continued to improve. Consumers are placing large orders with the jobbers, and mills are in receipt of more business than they have had in some time past. Prices have held firm this week, as the demand at present does not justify an advance.

The demand for board is also strong. Box makers are calling upon the mills for large quantities of board, and a good volume of stock is moving. Prices remain at the same levels as a week ago.

Although no further advances have been reported in tissue prices, the market continues active and a good volume of stock is finding its way into consuming channels.

Ground Wood

The ground wood market has continued to gain strength during the week. The great activity in the news print field has not been without its effect on ground wood, and the news mills have in some cases been buying spot lots in the open market to increase their contract supplies. The effect of this has been to place the demand on a par with production, and prevent grinders from storing up surplus stocks at their plants. The fact that Canadian mills are shipping large stocks to England has also been an important factor, as a large tonnage of mechanical pulp has been taken out of the American market. Prices have shown no ad-

vance this week, and grinders are still quoting \$28 for ground wood in the East, and \$2 above this figure in the West.

Chemical Pulp

Probably the most important development in the chemical pulp market this week was the decision reached by several of the large pulp mills to book no business further ahead than August 1. This clearly indicates that the dealers expect an advance in prices after that time, and that they are confident that in no event will prices go to lower levels. The move came as a result of the fact that paper mills again began placing orders for future delivery of pulp at the current market prices. A prominent paper manufacturer in discussing the action of the pulp men stated that the move would seem to indicate that large shipments of foreign pulp are not expected in this country for some time. In the event that a large quantity of Scandinavian pulp was to be landed here, the domestic market would naturally become weaker, and prices would doubtless go to lower levels than they are at present. Business in the pulp market was greatly stimulated by the action, as most of the paper mills were desirous of placing orders for deliveries up until the end of July at the prevailing prices. No changes in quotations have been reported this week.

Rags

The continued scarcity of all grades of both new and old rags has kept the rag market strong this week, and prices have again advanced for nearly all grades. The mills are buying large quantities of rags, and dealers are able to make sales faster than they can obtain stock. A few firms are again importing rags from the other side, and in addition to dark cottons which have been coming in for some time, No. 4 white linens, Dutch blue cottons, and shoppery, has also been seen on the docks. There are but few grades that have not shown an advance in price this week, the biggest advance, however, was made by silesias rags, which are now being quoted at 8.75@9.25c.

Bagging

The bagging market has also continued active throughout the week. Dealers report that all grades are in good demand and the market is very firm. Roofing bagging has been particularly strong during the week, as operations at the roofing mills are gradually assuming larger proportions. With all the propaganda which is now being spread to have building operations resumed, it is thought that it will not be long before these operations do begin and the demand for roofing increases. The tendency of all prices has been upward, and advances have been noted on quotations of several of the grades. In no case are prices at lower levels than they were last week.

Paper Stock

The market for old waste paper has been firm this week, and quotations on most of the grades are higher than they were a week ago. With all packers again working, the scarcity of mixed papers which was noted during the strike last week, has been eliminated, and mills will now have little difficulty in obtaining all of this grade which they require.

Prices for all grades, with the exception of manilas, are at higher levels than they were a week ago, while the manila grades remain at their former levels.

Twine

Twine prices have been steady since their advance of last week, though in the opinion of most dealers, the top of the market has not yet been reached and further advances may be expected at almost any time. In the opinion of some men in the trade, the jute crop will be as small this year as it was last, and if this is true, the market will be much firmer and prices will go much higher. The conservative dealers claim that it is a little early at present to estimate the size of the crop.

Market Quotations

Paper Company Securities

New York Stock Exchange closing quotations July 1, 1919.

STOCKS.		
	Bid.	Asked.
American Writing Paper Company, pref.	50 1/2	51 1/2
International Paper Company, com.	63 1/2	64 1/2
International Paper Company, pref.	95	100
Union Bag & Paper Corporation, pref., Stamped	77	78
United Paper Board	85	90

BONDS.		
American Writing Paper Company, 1st 5s, 1919	99 1/2	99 1/2
American Writing Paper Co., 1st 5s, 1919, Tr. Co. Rects	87 1/2	89
International Paper Co., Convertible S. F. 5s, 1935	98	99
International Paper Co., 1st and Refunding Conv. 5s, 1947	88	92
Union Bag & Paper Corporation, 1st 5s, 1930	87 1/2	90

Paper		
Bonds	10 @	41
Ledgers	13 @	36
Writing		
Extra Superfine	19 @	—
Superfine	19 @	—
Tab Sixed	14 @	—
Engine Sized	12 @	—
News—f. o. b. Mill—		
Rolls, contract	3.75 @	4.00
Rolls, transient	4.00 @	4.25
Sheets	4.50 @	5.00
Side runs	3.75 @	4.00
Book case—f. o. b.—N. Y.		
S. & S. C.	8.00 @	8.50
M. F.	7.50 @	8.00
Coated and Enamel		
Lithograph	9.50 @	10.00
Tissues—f. o. b. N. Y.—		
White, No. 1	.95 @	1.05
White, No. 2	.95 @	1.00
Manila, No. 1	.95 @	1.05
Kraft	1.05 @	1.30
Colored	1.50 @	3.00
Anti-Tarnish	1.20 @	1.40
Kraft—f. o. b. N. Y.—		
No. 1 Domestic	7.50 @	8.00
No. 2 Domestic	6.50 @	7.00
Imported		
Screenings	3.50 @	4.00
Manila—		
No. 1 Jute	11 1/2 @	12
No. 2 Jute	11 @	12
No. 1 Wood	5.75 @	6.25
No. 2 Wood	5.00 @	5.50
Butchers'	5.00 @	—
Fibre Papers—		
No. 1 Fibre	6.50 @	6.75
No. 2 Fibre	5.00 @	—
Card Middles	3.00 @	—
Common Bogus	3.00 @	—
Boards, per ton, f. o. b. N. Y.—		
News	45.00 @	50.00
Straw	40.00 @	45.00
Chip	40.00 @	45.00
Binders Board	67.50 @	70.00
Manila Lined C'p	60.00 @	67.50
Wood Pulp	80.00 @	85.00

Foreign Rags		
New White Cuttings	nominal	
Unbleached Cottons	nominal	
Light Flannelettes	nominal	
New Light Silesias	nominal	
New Light Oxfords	nominal	
New Mixed Cuttings	nominal	
New Dark Cuttings	nominal	
No. 1 White Linens	nominal	
No. 2 White Linens	nominal	
No. 3 White Linens	nominal	
No. 4 White Linens	nominal	
Old Ex. Light Prints	nominal	
Ord. Light Prints	nominal	
Medium Light Prints	nominal	
Dutch Blue Cottons	nominal	
Ger. Blue Cottons	nominal	
German Blue Linens	nominal	
Checks and Blues	nominal	
Dark Cottons	2.10 @	2.25
Shoppery	—	2.00

Mechanical Pulp		
(F. O. B. Pulp Mills.)		
No. 1 f. o. b. Mill	27.00 @	29.00

Chemical Pulp		
(Ex-Dock, New York.)		
Sulphite (Foreign)—		
Bleached	8 @	8 1/2
Easy Bleaching	5.50 @	6.00
No. 1 Unbleached	4.50 @	4.75
No. 2 Unbleached	3.25 @	4.00
Kraft (Foreign)	4.25 @	4.75
(Domestic, F. O. B. Mills.)		
Sulphite—		
Bleached	6.50 @	7.00
Sulphite (Domestic)—		
Bleached	5.50 @	6.00
Extra Strong Unbleached	4.50 @	4.75
Easy Bleaching		
Sulphite	4.50 @	5.00
News Sulphite	3.25 @	3.50
Mitscherlich	5.25 @	5.50
Kraft (Domestic)		
F. O. B. Mill	4.25 @	4.50
liver	4.25 @	4.50
-Dash means nominal.		

Bagging		
Prices to Mill f. o. b. N. Y.		
Gunny No. 1—		
Domestic	3.00 @	3.10
Foreign	2.90 @	3.00
Bright Bagging	2.70 @	2.80
No. 1 Scrap	2.40 @	2.50
Sound Bagging	2.10 @	2.20
Mixed Bagging	1.90 @	2.00
Wool Tares, light	2.75 @	2.80
Wool Tares, heavy	2.85 @	2.95
Manila Ropes—		
Foreign	4 1/2 @	5
Domestic	4 1/2 @	5
New Bur. Cut	4 1/2 @	4 1/2
Hessian Jute Thrd's	6 @	6 1/2
Mixed Strings	2.40 @	2.50

Twines		
India, No. 6 basis—		
Dark	24 1/2 @	26 1/2
Light	27 1/2 @	29 1/2
B. C., 18 basis	38 @	40
A. B., Italian, 18 basis		
Finished Jute	80 @	—
Dark, 18 basis	32 @	34
Light, 18 basis	30 @	32

Domestic Rags		
Prices to Mill f. o. b. N. Y.		
Shirt Cuttings—		
New White, No. 1	12 @	12 1/2
New White, No. 2	8 1/2 @	9
Silesias, No. 1	8 1/2 @	9 1/2

Jute Wrapping, 2-6 ply—		
Extra No. 1	32 @	34
No. 1	29 @	31
No. 2	27 @	29
Papers Makers' Twine		
Balls	18 @	20
Box-Twine, 2-4 ply	21 @	23
Jute Rope	25 @	40
Amer. Hemp, 6	27 @	29
Sisal Hav—		
No. 1 Basis	22 @	24
No. 2 Basis	19 1/2 @	23
Sisal Lath Yarn—		
No. 1	21 1/2 @	21 1/2
No. 2	19 1/2 @	20 1/2
Manila Rope	25 @	32

Old Waste Papers		
(f. o. b. New York)		
Shavings—		
Hard White, No. 1	4.50 @	4.75
Hard White, No. 2	3.66 @	3.75

Soft White, No. 1		
3.25 @		3.25
Colored, No. 1	1.20 @	1.25
Flat Stock—		
Stitchless	1.80 @	1.95
Over Issue Mag.	1.80 @	1.95
Solid Flat Book	1.65 @	1.75
Crumpled, No. 1	1.15 @	1.25
Solid Book Ledger	2.75 @	3.00
Ledger Stock	2.15 @	2.25
No. 1 White News	1.15 @	1.25
New B. B. Chips	.55 @	.60
Manila—		
New Env. Cut	2.30 @	2.40
New Cut, No. 1	1.90 @	2.00
Extra No. 1 Old	1.00 @	1.10
No. 1 Old	.80 @	.90
No. 2 Old	.65 @	.70
Bogus Wrappers	.65 @	.70
Old Krafts	2.05 @	2.15
News—		
Strictly Overissue	.90 @	1.00
Strictly Folded	.55 @	.60
No. 1 Mixed Paper	.50 @	.55
Common Paper	.25 @	.30

CHICAGO

Paper		
Mill Price to Jobbers.		
No. 1 Rag Bond	25 @	35
No. 2 Rag Bond	18 @	20
Sulphite Bond	10 1/2 @	12
Cheap Ledger	16 @	18
Superfine Writing	20 @	22
No. 1 Fine Writing	17 @	18
No. 2 Fine Writing	14 @	15
No. 3 Fine Writing	11 1/2 @	12 1/2
No. 1 M. F. Book	8 1/2 @	10
Book—		
Coated Book	9 1/2 @	11
Coated Label	10 @	12 1/2
News—Rolls mill	10 @	12 1/2
News—Sheets mill	3.85 @	—
No. 1 Manila	5 @	5 1/2
No. 2 Manila	4 1/2 @	5 1/2
Butchers' Manila	4 @	5
No. 1 Kraft	7 1/2 @	8
Wood Tag Board	6 1/2 @	7
Screenings	5 @	5 1/2
Boards, per ton—		
Plain Chip	42.50 @	45.00
Solid News	47.50 @	50.00
Manila Lined Chips	57.50 @	60.00
Container Liner	75.00 @	85.00
Solid Wood Pulp	75.00 @	80.00
Old Papers		
No. 1 Soft White	3.25 @	3.50
No. 2 Soft White	3.00 @	3.25
No. 1 Mixed	1.50 @	1.75
No. 2 Mixed	.85 @	1.25
Ledgers & Writings	2.50 @	2.60
Solid Books	1.85 @	2.00
Blanks	1.40 @	1.50
No. 2 Books, light	1.10 @	1.25
Extra No. 1 Manila	2.00 @	2.25
Manila Envelope		
Cuttings—		
No. 1 Manilas	2.25 @	2.75
Folded News (over-issue)	.90 @	1.00
Old Newspapers	.70 @	.75
Mixed Papers	.65 @	.75
Straw Chippings	.65 @	.75
Binders Chippings	.65 @	.75
Kraft	2.50 @	2.75
New Kraft Cuttings	2.75 @	3.00
Roofing Stock, F. O. B. Chicago,		
Net Cash	50.00 @	—
1	48.00 @	—
2	46.00 @	—
3	46.00 @	—
4	46.00 @	—

PHILADELPHIA

Paper		
Bonds	12 @	41
Ledgers	13 @	35
Writings—		
Superfine	15 @	35
Extra Fine	35 1/2 @	—
Fine	15 @	23
Fine, No. 2	23 @	—
Fine, No. 3	14 @	—
Book, M. F.	9 @	11 1/2
Book, S. S. & C.	9 1/2 @	11 1/2
Book, Coated	12 1/2 @	13 1/2
Coated Lithograph	12 1/2 @	13 1/2
Label	12 1/2 @	14 1/2
News	5 1/2 @	—
No. 1 Jute Manila	15 @	—
Manila Sul., No. 1	7 1/2 @	—
Manila No. 2	7 @	—
Common Bogus	2 1/2 @	—
Straw Board	40.00 @	—
News Board	40.00 @	—
Chip Board	40.00 @	—
Wood Pulp Board	80.00 @	—
(Carload Lots.)		
Binder Boards—		
Per ton	45.00 @	—
Carload lots	40.00 @	—
Tarred Felts—		
Regular	70 @	77
Slaters'	73 @	77
Best Tarred	85 @	85
Best Tarred, 1-ply (per ton)	60.00 @	65.00
Best Tarred, 2-ply (per roll)	1.20 @	1.55
Best Tarred, 3-ply	1.50 @	—
Old Papers		
No. 1 Hard White	4.50 @	4.75
No. 2 Hard White	3.75 @	4.00
No. 1 Soft White	3.25 @	3.50
No. 2 Soft White	1.20 @	1.25
No. 1 Mixed	1.25 @	1.30
No. 2 Mixed	1.00 @	1.10
Solid Ledger Stock	2.50 @	2.75
Writing Paper	2.00 @	2.25
No. 1 Books, heavy	1.50 @	1.75
No. 2 Books, light	1.00 @	1.25
No. 1 New Manila	2.25 @	2.50
No. 1 Old Manila	1.00 @	1.10
Old Kraft	2.50 @	2.75
Overissue News	1.00 @	1.10
Old Newspaper	.40 @	.50
No. 1 Mixed Paper	.40 @	.45
Common Paper	.35 @	.40
Straw Board Chip	.40 @	.50
Binders Bd. Chip	.40 @	.50

Rags		
Old White—		
No. 1	5.00 @	5.50
No. 2	4.25 @	4.75
Blues—		
Thirds and Blues	3.00 @	3.50
Black Cotton stock	2.75 @	3.00
Mixed gansies	3.00 @	3.50
Lace Curtains	6.00 @	6.50
Colored Writings		
Rags	6.00 @	6.50
Cotton Quills	2.50 @	2.75
White Cotton Part	4.25 @	4.50

(Continued on page 62.)

Imports and Exports of Paper and Paper Stock

NEW YORK, BOSTON, PHILADELPHIA AND OTHER PORTS

NEW YORK IMPORTS

FOR THE WEEK ENDING JULY 1, 1919.

Cigarette paper.....	28 cs.
Paper hangings.....	13 bls.
Filter paper.....	5 cs.
Drawing paper.....	1 cs.
Writing paper.....	2 cs.
Tracing paper.....	2 cs.
Miscellaneous paper.....	39 cs.

CIGARETE PAPER.

Bankers Trust Co., Red Italia, Genoa, 28 cs.

PAPER HANGINGS.

W. H. S. Lloyd & Co., Defiance, London, 12 bls.

W. H. S. Lloyd & Co., Defiance, London, 1 cs.

FILTER PAPER.

Reeve, Angel & Co., Defiance, London, 5 cs.

DRAWING PAPER.

Reeve, Angel & Co., Defiance, London, 1 cs.

WRITING PAPER.

U. S. Trust Co., Defiance, London, 2 cs.

TRACING PAPER.

Favor, Ruhl & Co., Defiance, London, 2 cs.

PAPER.

O. G. Weeks & Co., Inc., Lowther Castle, Shanghai, 2 cs.

G. H. Smith, San Jacinto, Vera Cruz, 27 cs.

H. D. Catty & Co., La Lorraine, Havre, 10 cs.

CASEIN.

T. M. Duche & Sons, Defiance, London, 555 bags.

RAGS AND PAPER STOCK.

D. M. Hicks & Co., Defiance, London, 160 bls.

rag.

E. Butterworth, Roath, Havre, 101 bls. rags.

E. J. Kellar & Co., Vindelia, Glasgow, 176 bls.

paper stock.

GROUND WOOD PULP.

Tidewater Paper Mills Co., Schr. G. E. Klinck, Liverpool, N. S., 7,642 bls. ground wood pulp.

Tidewater Paper Mills Co., Schr. W. Booth, Liverpool, N. S., 8,136 bls. ground wood pulp.

PRINTING OFFICE TO BUY MOST PAPER

(Continued from page 12)

and importing public. All licenses heretofore issued by the War Trade Board will continue to be valid.

The functions of the War Trade Board thus transferred to the Department of State will continue to be performed by the present personnel of the War Trade Board at their present location.

All licenses will continue to be issued in the name of the War Trade Board, and all applications of the Board, now assumed by the Department of State, should be addressed to the War Trade Board as heretofore.

Government Awards May Be Held Up

It is believed that the awards for many bids that have recently been received by the Government Printing Office will be held up until after bids are opened for the three months contracts so that the paper can be purchased from the contractor. At any rate, this will probably hold good for the bids where the Government is in a hurry for the paper.

To Continue Contract for Post Card Paper

The Joint Congressional Committee on Printing has notified the Purchasing Officer of the Post Office Department that the present contract for post-card paper, which does not expire until October, shall be continued. At the end of that time the post-card paper will be purchased by the Government Printing Office.

Serious Paper Conditions in United Kingdom

[FROM OUR REGULAR CORRESPONDENT.]

OTTAWA, Ont., June 30, 1919.—The serious condition of the paper industry of the United Kingdom is emphasized in the report just issued by the Paper Industry Inquiry Committee, which was appointed by the president of the Board of Trade to report on the industry, with particular reference to the restriction of manufacture in British mills owing to competition of imported paper and the resulting unemployment of labor.

The report states that, except the newsprint section, there is a great lack of orders throughout the paper making industry. Unemployment is considerable, and shows a tendency to increase. Numerous instances have come to light of mills keeping men on, although machines are closed down. Other mills are unable to employ men returning from the colors, whose services they had been urgently demanding. Returns from the National Union of Printing and Paper Workers report a present condition of unemployment exceeding anything known in the industry for 20 years.

"Within about two months of the armistice," says the report, "offers of oversea paper began to appear at much lower prices than could be quoted by home mills, based on the cost at that time of material and production. Consumers, on whom the restrictions pressed hardy, were eager to avail themselves of these increased supplies on the comparatively favorable terms offered.

At the end of February the withdrawal of restrictions was announced for April 30, and simultaneously the allowable import was increased to 75 per cent of pre-war tonnage. This, coupled with the announcement a fortnight later, that imports from intra-Empire countries were to be free of restrictions at once, had the practical effect of placing imports on an unrestricted basis with regard to quantity. The demand in this country has not called for any such amount of imports, and reports from mills to the controller's department indicate that customers generally did not take up any considerable proportion of the additional quantities to which they became entitled."

The conclusions at which the committee has arrived are summarized as follows:

1. Paper manufacture is an industry of national importance, and is entitled to a proper degree of shielding during the period of transition from war to peace conditions.

2. Except the news print section, all sections of the manufacturing industry are suffering from a severe dearth of orders.

3. In the news print section there has been difficulty and delay in getting idle machines restarted, owing to the lack of engineering supplies and labor. With more machines running additional orders could be obtained.

4. The dearth of orders is due to several causes, but the predominant cause is uncertainty as to the trade policy of the Government, instability of prices, and to the possibility of unlimited competition of foreign paper.

5. To remove the prevailing uncertainty and to lead way to stability of prices, a period of restriction of imports of manufactured paper from countries not within the Empire should be established, of sufficient length to enable the mills to resume full running, but the amount of allowable imports should be maintained at a level sufficiently high to enable consumers to obtain adequate supplies.

News of the St. Louis Trade

[FROM OUR REGULAR CORRESPONDENT.]

ST. LOUIS, Mo., June 30, 1919.—The last week saw a rush of buying by jobbers of coarse papers of all kinds. Fears of labor troubles in mills is the cause of the demand, jobbers desiring to cover their requirements. In addition business has been good with the jobbers.

Most of those engaged in the paper trade in St. Louis will be closed July 4 and 5, thus giving their employees a three-day holiday.

R. W. Renick, of the Advance Bag Company, Middletown, Ohio, was a visitor here last week. Before returning home he will visit Kansas City and Omaha.

George R. Wadleigh, engineer for the Bemis Bag Company, has been appointed engineer of the Virginia Pulp and Paper Company, and will assume his new duties some time in July.

JOBBERs

Our New Prices Surely Will Interest You

**Krafts
Manillas
Tissues**

**Napkins
Toilet Paper
Towels.**

**News
Fibre
Pattern**

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PAPER MAKERS' SUPPLIES
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PHILADELPHIA: Delaware Ave. and Green St. CHARLOTTE, N. C.

Want and For Sale Advertisements

HELP WANTED

Minimum rate for advertisements of 25 words or less, first insertion \$1.00.
Situations 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 taken.
Help and Miscellaneous Wants, and small For Sale Ads, 4 cents a word for each and every insertion. No ad of less than 25 words taken.

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.

CASH MUST ACCOMPANY ORDER.

ASSISTANT SUPERINTENDENT wanted by a Mill making High Grade Sulphite Bonds. Must be man with long practical experience and with a knowledge of the use of old papers. Address, Box 1360, care Paper Trade Journal. J17

SUPER-CALENDER man wanted at once. Must be experienced in the calendaring of all grades of paper. State wages required. Address, Box 1361, care Paper Trade Journal. J17

WANTED—First-class Envelope Machine Adjuster to have full charge of small Envelope factory (12 Champion Machines). A splendid opportunity for the right man. Address Box 1363, this office. Give age and experience. All communications held in strict confidence. J24

WANTED—Experienced beatmen in mill making colored specialties; three tours. Applicants must be capable men of good character. Give age, reference and experience. Wages 65c. per hour. Address Box 1364, care Paper Trade Journal. J10

WANTED—Experienced machine tenders and back tenders on book paper. Good location—two tours. Machine tenders \$6.50 per day. Back tenders \$5.00 per day. Steady work. Address, Box 1365, care Paper Trade Journal. J3

WANTED—Superintendent for small Southern Paper Mill making bogus. State experience and salary. Address, Box 1366, care Paper Trade Journal. J3

WANTED—An A No. 1 Millwright familiar with paper mill work. Rate 61c. per hour. Only strictly sober, reliable man need apply. Address, Box 1367, care Paper Trade Journal. J17

WANTED AT ONCE—Two good Beatermen, familiar with straw and chip stock. No labor trouble. Good healthy place to live. State experience and wages wanted in first letter. Apply to American Straw Board Co., Chestertown, Md. J24

WANTED—Machine tenders and beatmen. Two tours. Cylinder machine on Roofing Felt. Steady employment. Good wages. The Ohio Paper Company, Miamisburg, Ohio. J3

FOR SALE

Three (3) 8 plate open side Packer Screens, with plates and Witham fasteners.

Two (2) No. 2 B. & C. Jordan Fillings with bronze fillings.

Location: Hartford City, Indiana.

Address: The Shartle Brothers Machine Co., Middletown, Ohio.

HELP WANTED

WANTED—Beatermen for Mill making Book and Writing. Two Tours. Holden Paper Company, Newburgh, N. Y. J10

WANTED—Two First-Class Millwrights, two Machine Tenders and two Back-tenders for employment in Cylinder Mill in New York State. Address, Box 1373, care Paper Trade Journal. J17

OPPORTUNITY FOR MAN understanding manufacture of bristol boards. Desire to get into touch with a man who understands the manufacture of fine Bristol Boards. Must know how to handle stock, equipment required, and be practical man in every respect. Very fine opening for the right man. Address Box 1347, care Paper Trade Journal. J17

WANTED—Foreman for both Cylinder and Harper Fourdrinier Machine making colors and specialties. Good opportunity for right party. References required. Address Box 1350, care Paper Trade Journal. J3

WANTED—Three machine tenders for Harper Machine running on light weight tissue. Three towers. Married men preferred. No one considered who cannot furnish references. Address Box 1351, care Paper Trade Journal. J3

PAPER MILL in Middle West desires services of experienced Paper Tyers in Finishing Department. Permanent positions for men who can qualify. Address Box 1353, care Paper Trade Journal. J10

WANTED—Millwright with practical experience around Paper Mill. Must be sober and industrious. Good opening for right man. Answer P. O. Box No. 58, Burnside, Conn. J3

WANTED—A man of intelligence and ability to take charge of Waste Paper Department in mill making fine papers. Must know the game well and give the best results. Mill has the best machinery for defibring and de-linking old papers. Address Box 1355, care Paper Trade Journal. J3

MILLWRIGHTS—Two (2) first class millwrights for employment in Cylinder Mill in New York State. Address, Box 1330, care Paper Trade Journal. J26

WANTED—Machine Tender for four cylinder machine, making Box Boards. Mill running days only. Wages \$5.00 per day. Address, Box 1312, care Paper Trade Journal.

FEMALE SECRETARY-STENOGRAPHER Christian, with knowledge of French and Spanish preferred, who is energetic and has executive ability, for Mill Supplies Department of Parsons & Whittemore, 299 Broadway. J3

SITUATIONS WANTED

WANTED PAPER MILL TO REPRESENT in New York City—by reliable Salesman who can produce large business in most any line. Must have good daily capacity. Do not wish to carry accounts. Best of references. Address, Box 1368, care Paper Trade Journal. J31

PAPER SALESMAN seeks change. Eighteen years in fine papers. Thirty-seven years old. Would like to connect with paper mill. Traveled six years for book paper mill. With a jobbing house the last five years and the star man. Making four hundred dollars a month plus a bonus. Address, Box 1369, care Paper Trade Journal. J17

THOROUGHLY PRACTICAL and theoretical man wishes a position as Mill Manager or Superintendent. Used to all grades of paper. News mill preferred. Box 1370, care Paper Trade Journal. J17

SITUATIONS WANTED

COMPETENT, experienced man, desires position as foreman with Paper Bag manufacturer. Reliable man. Best of references. Address Box 1356, care Paper Trade Journal. J10

SUPERINTENDENT would like to make a change. Experienced on high grade Papers for waxing. Toilet and Manifold. Familiar with all type of machines. Address, Box 1307, care Paper Trade Journal. J17

WANTED—A young, married man, of several years' experience in the manufacture of Paper Board, wishes to connect with an up-to-date mill as Superintendent or Assistant. At present employed as the latter, but is desirous of changing with a view towards better chances of advancement. References. Write Box 1338, care Paper Trade Journal. J3

CORRESPONDENCE desired with parties who wish to secure the services of an expert Mill Engineer. 18 years' experience in Design Construction and Maintenance of Pulp, Paper and Power Plants. Address, Box 1327, care Paper Trade Journal. J3

COMPETENT, EXPERIENCED MAN desires a position as Foreman or Cylinder Machine Tender. Can furnish good references as to character and ability. Married, steady and reliable. Address, Box 1374, care Paper Trade Journal. J17

(Continued on page 65)

FOR SALE

PAPER MACHINES—One 72" Harper Fourdrinier, 2 Presses, 15 Dryers, 1 stack Calenders, Reel, Slitter, Winder, Marshall Drive.
DRYERS—1 36" x 84", 15 36" x 66", 3 48" x 146", 4 48" x 111".
SIZE PRESS—Rolls 16" diam. 82" face, rub. & brass.
SLITTERS—1 137" Kidder, 1 108" Kidder, 1 62" Kidder, 1 48" Black & Clawson.
WINDERS—1 96" Pusey & Jones single drum winder, 1 90" Downingtown Tissue, 1 88" Kidder.
MACHINE CALENDERS—1 82", bottom 15"; 3 10", 1 12", 1 72" eleven rolls, 1 68" five rolls, 1 62", 1 72" seven rolls 12" intermediates, 1 87" five rolls, 1 48" five rolls.
SUPER CALENDERS—1 63" Norwood late type, 1 60" Norwood, 2 45" Norwood.
PAPER SHEET CUTTERS—1 120" Dillon Duplex, 1 112" Finlay, 1 62" Horne, 1 49" Finlay, 1 58" Finlay, 1 44" Hamblet, 6 42" Finlays.
REAM CUTTERS—1 60" Dayton Seybold, 1 48" Acme, 1 46" Sheridan, 1 36" Sheridan.
BEATERS—6 Jones, rolls 61" diam. 68", never used; 4 Noble & Wood, 72" x 44", 4 Horne rolls 44" x 44", 1 Horne 60" x 48", 1 Umphers 48" x 66", 1 Claffin beater.
JORDANS—1 Jones Wagg Majestic, 2 Horne, 1 Emerson.
PUMPS—1 Deane triplex power water 10" x 10", 2 Deane triplex stuff 8" x 8".
SCREENS—1—12 plate Harmon, 2 10 plate New Success, 1 Sandusky centri, 1 12, 1 10, 2 8 plate New Success, 1 Moore & White Auxiliary.
WET MACHINES—1 72" Sandy Hill, 1 72" Bagley & Sewall, hydraulic.
ENGINES—1 Fishkill Corliss 15" x 42", 1 8" x 18" Ball, 1 10" x 11" Ideal, 1 Putnam 12" x 30", 1 Corliss 10" x 24".
SAVE-ALLS—2 Fullner new, 2 Improved Mach. Co. Pneumatics.
SHREDDER—1 Ryther & Pringle, 1 Leather Shredder.
ROTARIES—2 7' diam. x 21' 6", 1 6' x 21', 1 7' x 24".
CYLINDER MOULDS—1 36" x 119", 5 36" x 74", 3 30" x 80", 2 30" x 72".
1 45" Sheet Lining Machine.
1 No. 8 Reeves Drive.
1 Baker & Shevlin Worm Washer.
2 Stevens Digesters.
1 Millspaugh Suction roll 96" x 14 9/16".
1 Farnham Suction roll 84" x 14".
12 Three Pocket Grinders.
2 42" Waldron Coaters.
1 Wheat Duster, 1 Noble & Wood Duster.

FRANK H. DAVIS

175 Richdale Ave., Cambridge B, Mass.

SITUATIONS WANTED

(Continued from page 64)

SUPERINTENDENT—Twenty years' practical experience, fine and coarse grades, Fourdrinier and Cylinder machines. Good on colors. Good executive. Technical training, chemistry and papermaking. Well up on Power Plant Efficiency. Active member Technical Association Pulp and Paper Industry. Married man. Sober and industrious. Address, Box 1346, care Paper Trade Journal. J3

TECHNICALLY educated man with 17 years' practical and theoretical experience in building and designing of Pulp and Paper Mills, Pulp and Paper Machinery, and general machinery work. Positions held: Designer, Chief Draftsman, Shop Superintendent, Master Mechanic, and on the road. Best of references. Desires to establish a connection in this line. Address, Box 1237, care Paper Trade Journal. J5

EXPORT MANAGER

Old established paper exporters have excellent opening for high-class executive to take full charge of already developed business in South America and West Indies. Must have unquestionable experience in foreign trade and know thoroughly the sources of supply. Knowledge of Spanish preferred. State age, nationality, experience, remuneration expected. Strictly confidential. Address Box 1362, care Paper Trade Journal. J3

WANTED

GENERAL SUPERINTENDENT—We want a capable man to take charge of our mills and are willing to pay a good salary to the right man. He must be a man of experience and one who has a thorough knowledge of the manufacture of light weight 8 lb. to 9 lb. high grade sulphite tissue. He must have executive as well as practical ability and be able to assume the responsibility of taking complete charge of production. Applications stating experience, ability and references will be considered strictly confidential. Address Box 1372, care Paper Trade Journal. J17

PAPER MACHINERY FOR SALE.

- 6 White Oscillating Screens, with new oscillating device.
- 8 Plates 10 x 24", cut .0014.
- 4 Plates 10 x 24", cut .0018.
- 1 New York Safety Steam Engine, Upright, 125 H. P. Cylinder 16 1/2" Bore, 18" Stroke. Flywheel 98" Diam., 18" Face.
- 3 Holyoke Machine Company Platers, 36" Rolls.
- 1 Fan (Blower) made by B. F. Sturtevant Co. of Boston, Mass., Diam., 72" x 40" wide; 27/16" Bearings 12" long; casing outside dimensions, 42" x 8" x 7" 2". All in good condition. Prices low. Address—Parsons Paper Company, Holyoke, Mass.

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The Best
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ROLL
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U. S.

Write us for samples and prices. Salesman Wanted.

THE H. NORWOOD EWING CO.
Woolworth Bldg., New York.

SITUATIONS WANTED

PAPER SALESMAN and Sales Organizer wishes to represent a Paper Mill in New York City. Well connected and acquainted with Exporters, Paper Jobbers and Converters. Commission or salary. Address, Box 1371, care Paper Trade Journal. J3

WANTED—Position as Night Superintendent, Tour Boss, or will run machine. Experienced in high test and combination Box Boards, Roofing and Wrapping. Married, steady and sober. Best of references. Address B. H. Billings, 929 Avenue E, Bogalusa, La. J10

MAN with 20 years' experience selling the products of mills making various grades of Paper and Boards to the Jobbing Trade and large converters, is open for engagement. Best references. Address Box 1176. J17

SITUATION wanted with a Paper Bag Manufacturing Company to supervise construction and installation of my improved high speed automatic machine for the manufacture of Grocery Bags. For particulars, address P. L. Bartholomew, R. D. 1, Box 168, Aurora, Ill.

HAVE HAD long experience in the wholesale paper trade. Especially familiar with the N. Y. City territory. Now have a well equipped downtown office, with a cap... stenographer-assistant. Would represent a reliable mill. Have no paper connection at present. Best of references. Address, Box 1213, care Paper Trade Journal.

YOUNG MAN, 29, whose past record of ten years' jobbing and mill experience has shown executive ability, desires connection in sales department of mill. Fully capable of assuming business and sales management. Excellent references. Address, Box 1358, care Paper Trade Journal. J3

FOR SALE

FOR SALE—For immediate delivery: One second-hand Lillie Triple Evaporator; each body having 254-3" copper tubes 6' 5" long. Circulating pumps, engine, all piping complete. In first class condition. Address Chas. Wiggin, 1101 Hennen Bldg., New Orleans, La. J10

FOR SALE—Small waste paper baler, suitable for use in baling small lots. Work done has already returned purchase price to owner, will therefore sell cheap. Address "Paper Baler," care Paper Trade Journal.

FOR SALE—1 complete Paper Mill. 13 Drives, top and bottom; 72" wide. Also one Watts-Campbell Corliss Engine, 16" x 38" and one Binders Board Mill. James Gaskell, Room 709, World Building, New York City. J10

FOR SALE—One 11x14 C. & T. Slide Valve Engine. One 49" Jordan with pulley. Three Pairs Press Roll Housings. Forty-two Dryer Frames with bearings for 6 1/2" Journals, arranged double deck and with 35 Connelly Packing Boxes. One Double Deck Section of ten Rice, Barton & Fales 36"x76" Dryers, complete with frames and gears. One B. & C. 7-roll stack of Calenders, one 14", one 12", one 10", two 9" and two 7", chilled rolls, complete with frames. Five Cone Drives with Erie clutch. The Beverage Paper Company, Indianapolis, Ind. J10

WANTED

Position as Manager or General Superintendent by an expert pulp and paper maker, mill engineer and mill manager. One who is thoroughly practical in manufacture of both chemical pulp and paper, particularly of soda and sulphate pulps from all kinds of woods and of southern woods—Book, Kraft, News and Boards. Good executive ability and can handle men second to no one. Twenty years' experience in management of mill and would be pleased to hear from some progressive company who may need the services of a man with this experience. Best of references. Address reply to Box 1359, care Paper Trade Journal. J3

MISCELLANEOUS

WANTED TO BUY—Fourdrinier wet end, wire approximately 90" x 59". Replying give full details of equipment. Address, Box 1375, care Paper Trade Journal. J3

WANTED—To lease with option of buying. Cylinder or Fourdrinier Mill, 12 to 15 tons daily capacity. To make low grade wrappings, Bogus, etc. Address, Box 1376, care Paper Trade Journal. J3

WANTED—One 48" to 60" Seybold Ream Cutter or other good make. Must be in first class condition. Also want one cut to register Sheeter. Prefer Kidder make. Address Wardway Paper Mills, Fort Madison, Iowa.

(Continued on page 67)

DISCHARGED OFFICERS

Are valuable men to use in
YOUR organization
HIGH CLASS EXECUTIVES
ENGINEERS AND TECHNICAL MEN

have broadened and increased their value by special ARMY and NAVY training.

War time experience has speeded up their thinking ability. They are better workmen, better organizers, better managers.

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FOR SOLDIERS, SAILORS AND MARINES

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Phone Worth 9250
PROFESSIONAL AND TECHNICAL DIVISION

FOR SALE

- BEATERS**—One 61"x48". Five Jones, One Dornington, 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 63" face. One 9 roll 84" face.
 - COATERS**—Two 56" Waldron coaters.
 - CUTTERS**—Two 45" Finlay cutters newly rebuilt with brand new Hamblet expansion pulley drive, 36" Sanborn cutter, 38" gullotine cutter.
 - CYLINDER MOULDS**—One 30"x54", one 30"x64", both rebuilt, ready for quick shipment. One new 30"x32".
 - DRIVES**—One Limes No. 4, Class E, one Reeves No. 9, Class E, one Moore & White No. 10.
 - DRYERS**—4 36"x54", 5 36"x62", 7 48"x108", 2 36"x 66", 1 36"x76", 1 24"x120", also twenty brand new shells 48"x96", and ten new shells 48"x102".
 - EVERERS**—Two Mellor eveners.
 - JORDANS**—1 Mammoth Jr., several Emerson and Horne type Jordans.
 - MACHINES**—One 2-cylinder machine for 56" trim, 28" dryers. One 72" Harper fourdrinier.
 - PULLEYS**—One 97" dia. 34" face feedle arm, modern pulley. One set cone pulleys, 40"x31"x39" face. One set cone pulleys, 40"x31"x38" face. Also large stack 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.
 - PRESS ROLLS**—Large number of different sizes on hand. Some suitable for rubber covering.
 - ROTARIES**—One 14' Globe, one 84"x22" horizontal in good condition, ready for immediate shipment.
 - REELS**—Two Bagley & Sewall, one two bowl upright, one ten bowl revolving, bowls 48" face. Also several new reels now under construction. State the width you require.
 - RAG CUTTERS**—One Daniels No. 2, 12 1/2" knife; one Rice, Barton & Fales with 12" knife, newly overhauled and ready for quick shipment.
 - SCREENS**—Two 6 plate Success, newly overhauled, 6 built centrifugal, 6 Volth centrifugal.
 - WET MACHINES**—One 74", one 72" and one 54".
 - WINDERS**—One 72" single drum, one Manning 74". Our stock is constantly changing. Advise us of your wants.
- Mills Machine Company**
LAWRENCE, MASS.

WE SPECIALIZE IN THE DISTRIBUTION OF

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AMERICAN WOODPULP CORPORATION FOREIGN AND DOMESTIC **CHEMICAL and MECHANICAL** **WOODPULPS**

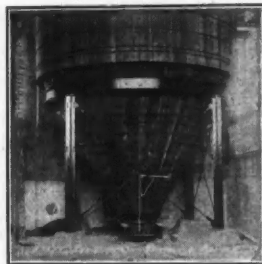
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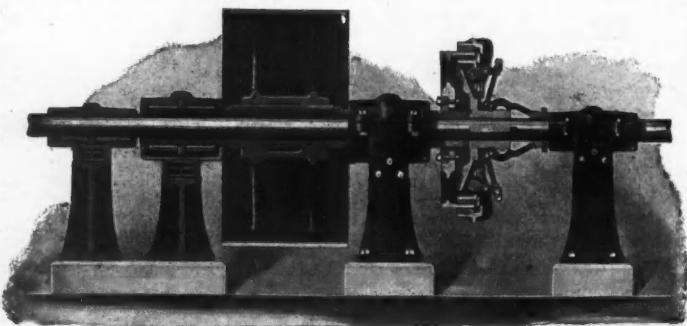
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WOOD TANKS
FOR ALL
PURPOSES

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Hill Friction **Clutches**

Smith Type

Friction Clutch Quill Installation

THE IDEAL METHOD FOR OBTAINING FRICTION
CLUTCH CONTROL WITH HEAVY WIDE FACE
PULLEYS OR ROPE SHEAVES, EMPLOYING HILL
COLLAR OILING BEARINGS.

Send for General Catalog

The Hill Clutch Company : Cleveland, Ohio

New York Office: 50 Church Street

(Continued from page 65)

MISCELLANEOUS

WANTED—An 80" to 86" Fourdrinier Paper Making Machine. State full particulars in your reply. Address, Box 1343, care Paper Trade Journal. J10

WANTED—Fourteen dryers; diameter 36 inches; face 40 to 50 inches. Address, O. S. Kirkeby, Room 704, 61 Broadway, New York. tf

WANTED—A 12 x 14 Variable Speed Engine. Address, The Shartle Bros. Machine Co., Middletown, Ohio. J3

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

The
**Paper Trade
Journal's
WANT COLUMN**

will get rid of that
surplus material you
have on hand.
Others have tried it
with great success.

WHY NOT YOU?

Standing stock is like stagnant water—it never gets anywhere. Can your stock be classed as moving stock? If it can't, then The Paper Trade Journal's Want and For Sale pages are at your disposal. Try them.

Architects and Engineers.

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

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

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

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

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

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

Bale Ties.

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

Boards.

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

Metal Skylights and Ventilators.

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

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

CHASE & NORTON, High Grade Shavings and Book Stock a specialty. 277 Water street, New York.

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

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

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

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

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

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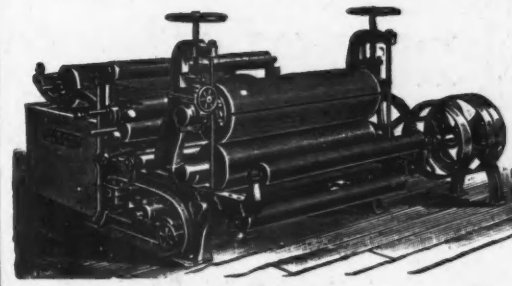
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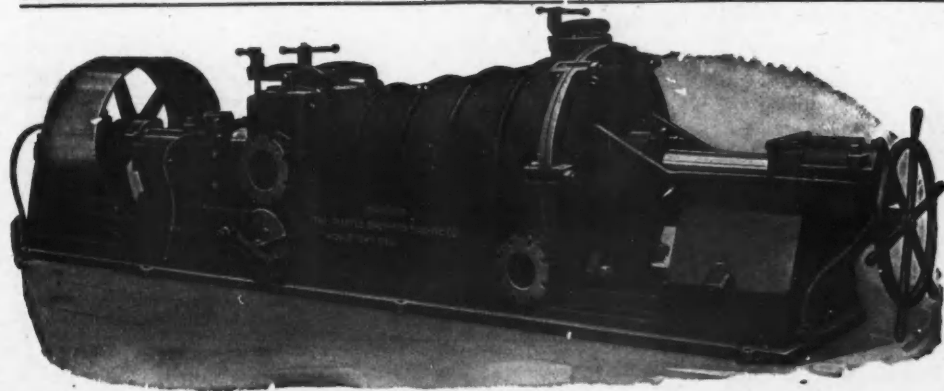
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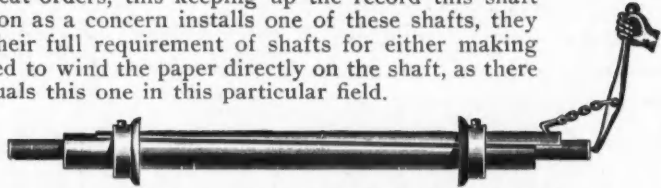
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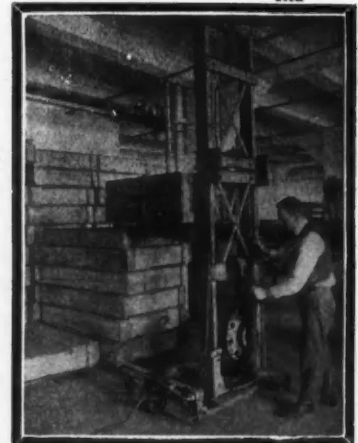
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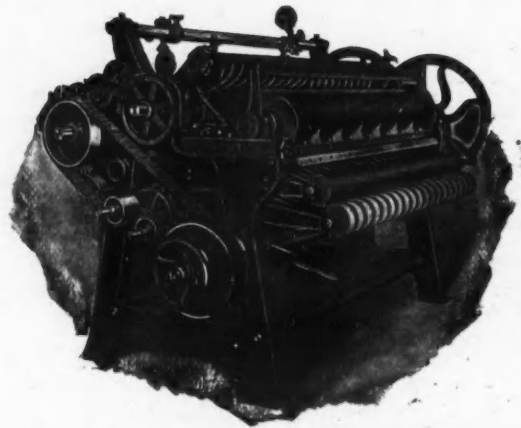
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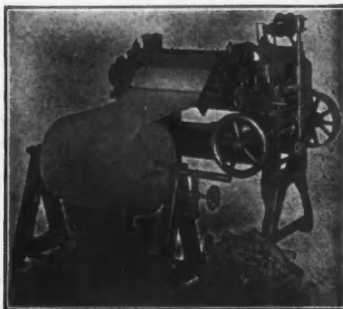
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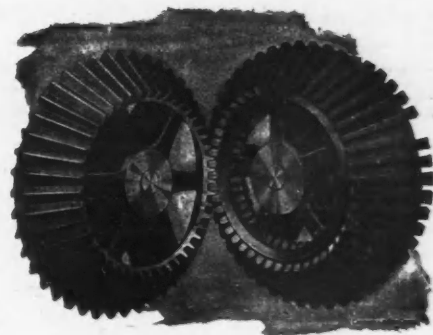
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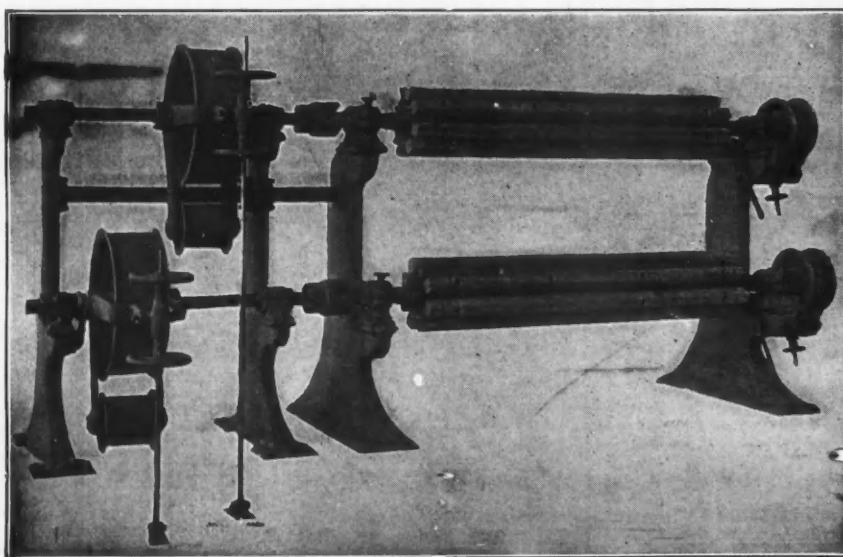
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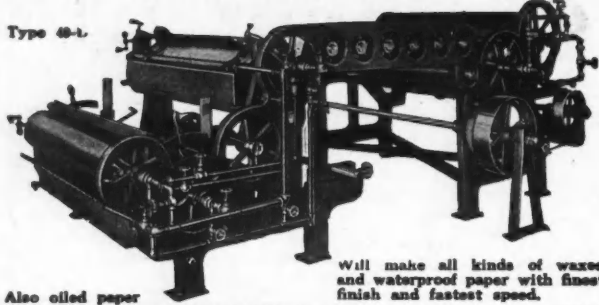
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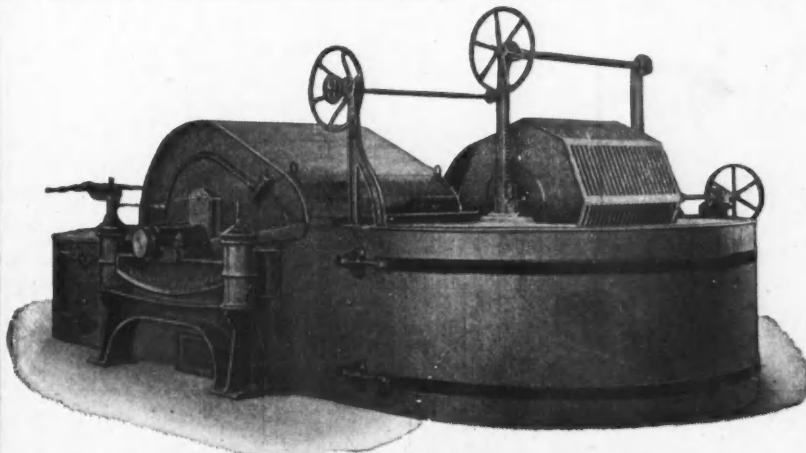
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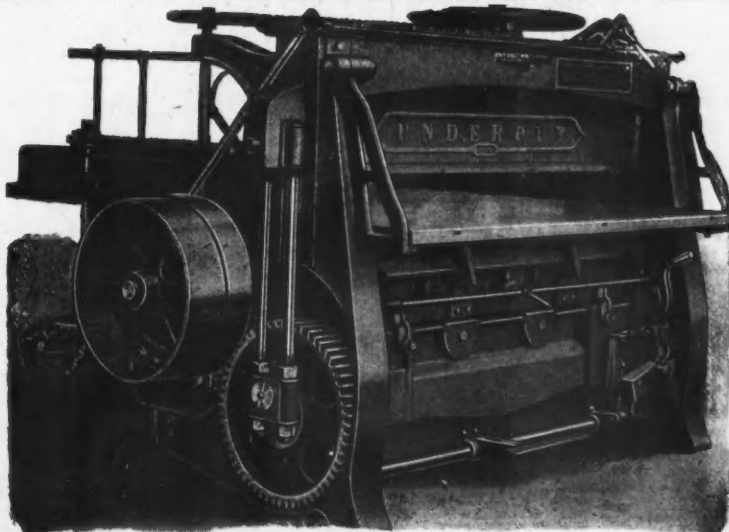
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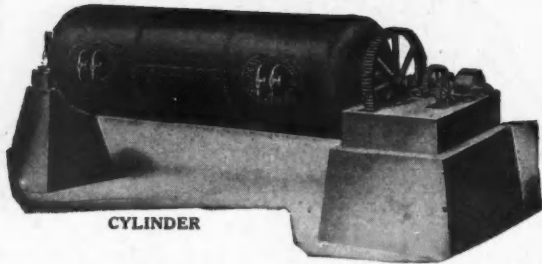
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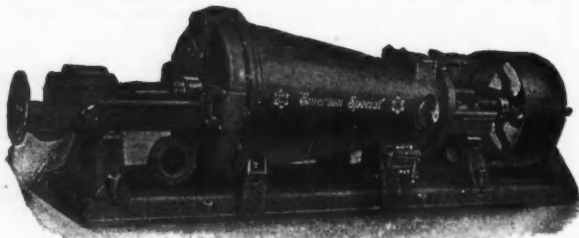
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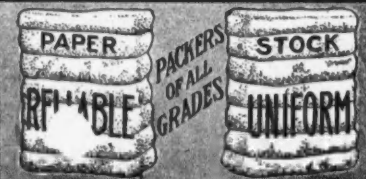
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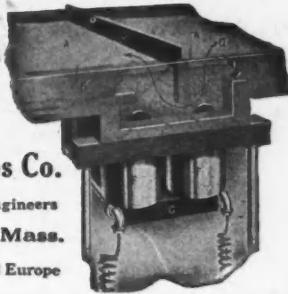
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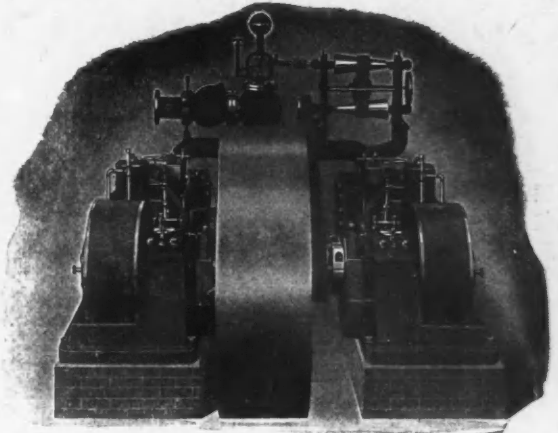
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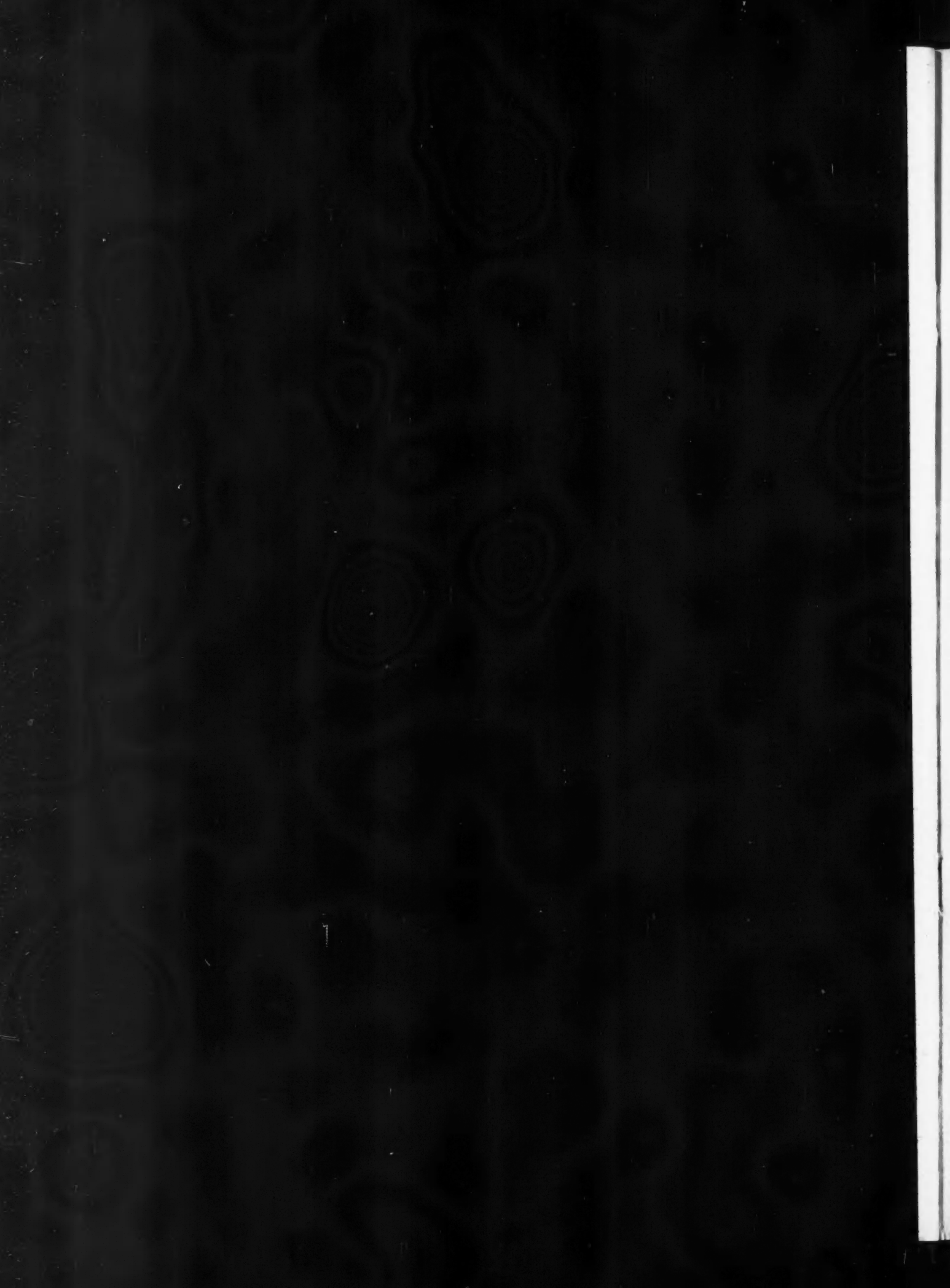
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