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PAPER TRADE JOURNAL

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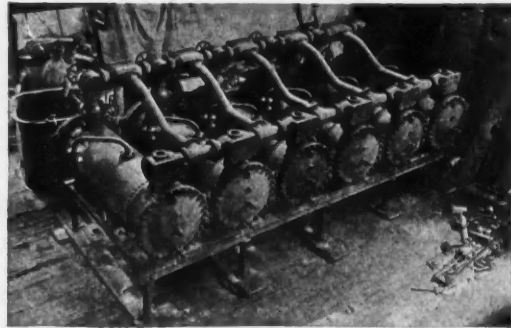


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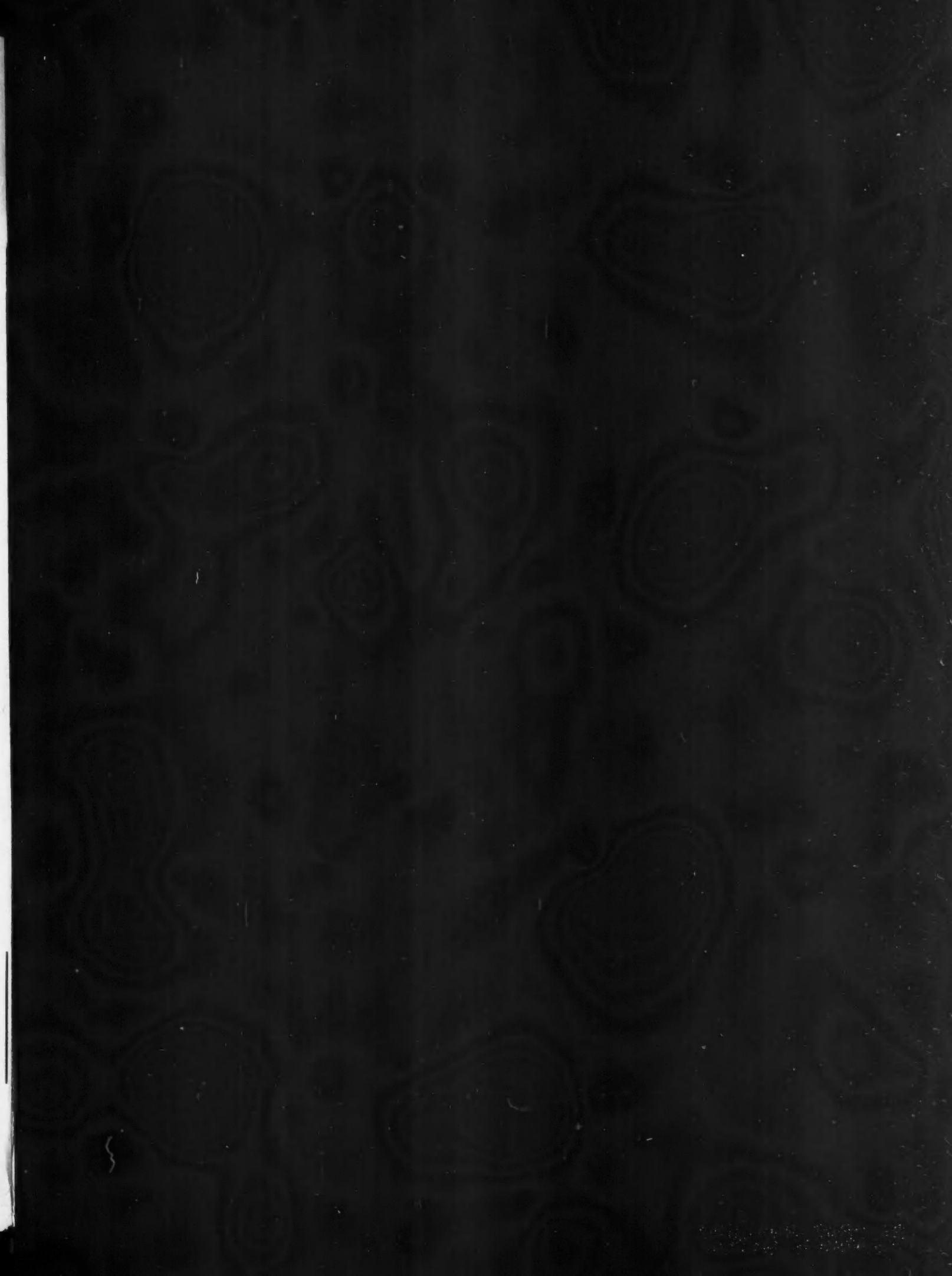


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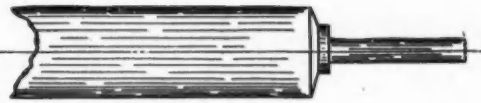
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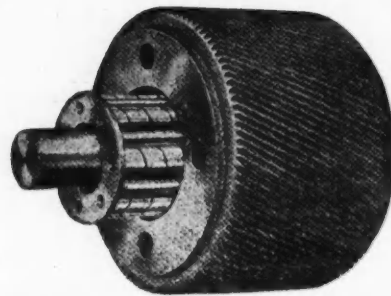
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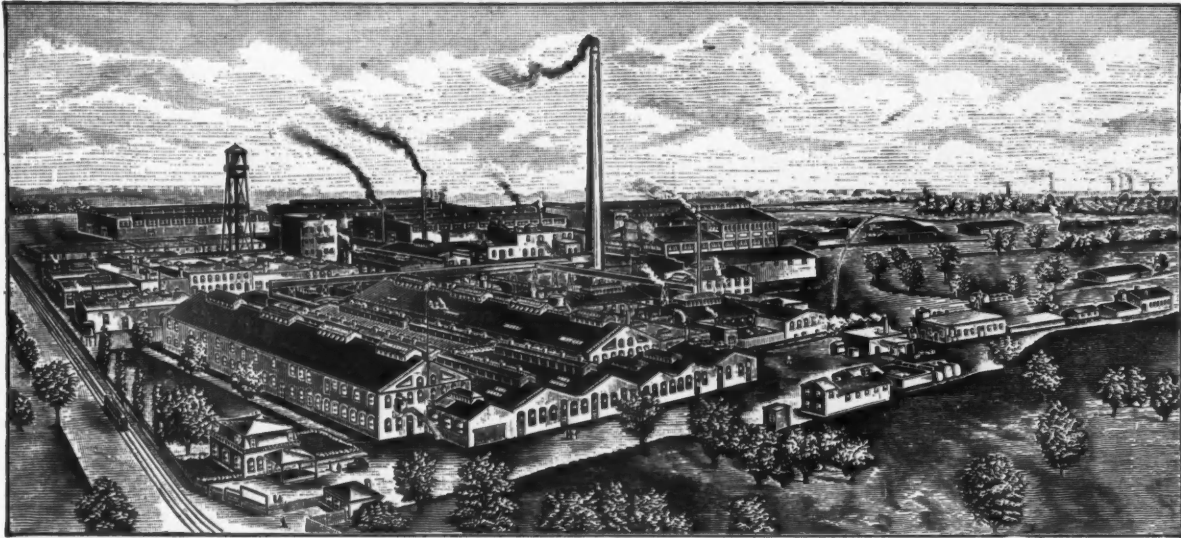
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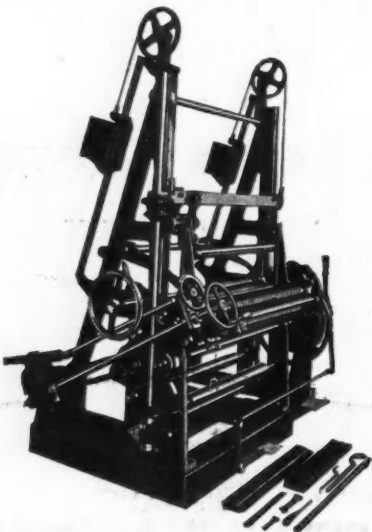
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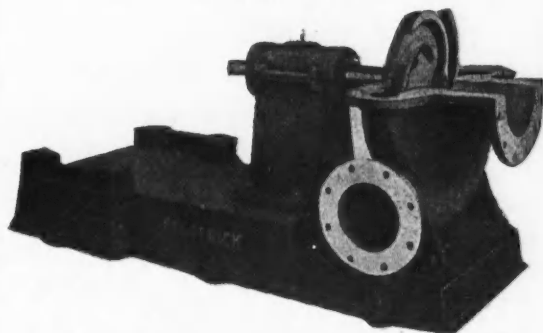
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Vol. LXX. No. 1

NEW YORK AND CHICAGO

Thursday, January 1, 1920

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STATISTICAL SUMMARY OF ALL PAPERS FOR NOVEMBER

Tabulation Showing Production, Shipments and Stocks of All Paper Mills in the United States for November, 1919, and Compared with November, 1918—News Print Paper Mill Stocks Equalled Slightly Less Than Four Days' Average Output—Book Paper Mill Stocks Equalled Slightly Less Than Ten Days' Average Output—Paper Board Mill Stocks Less Than Seven Days' Output.

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., December 29, 1919.—The attached tabulation is a summary of production, shipments and stocks of all paper mills in the United States for the month of November, 1919. This summary is compared with the month of November, 1918, and the average production and stocks based upon the weekly and monthly reports for the 18 months' period ended September 30, 1919. The mills have been classified for convenience into ten groups according to the grades of paper made. Some mills making several grades appear in more than one group, which causes duplication in the body of the tonnage table in the number of mills.

The variation in the number of mills from one period to another is due in part to the fact that some mills do not run continuously on the same grade.

The stocks of paper carried by different mills depend not only upon the conditions of the market but also upon the kind of paper made, the trade customs, etc.

The total time the machines were idle, reported by domestic mills, is shown in grades in the tabulation below. This includes the machines in mills which were closed down completely. The reasons tabulated for lost time are lack of labor, lack of orders and repairs. "Other reasons" include lack of material, lack of coal, lack of water power, etc. Lack of coal caused a loss of more than 14,000 hours. The total time lost in October is shown by grades and reasons for comparison purposes.

Loss of Operating Time, by Grades and Reasons, for November, 1919, Compared with October, 1919

Grades.	Lack of labor	Lack of orders	Repairs	Other reasons	Total November	Total October
News Print:						
Number of machines.....	0	0	46	14	60	32
Total hours idle.....	0	0	1,917	553	2,470	1,089
Book Paper:						
Number of machines.....	0	3	16	35	54	80
Total hours idle.....	0	398	914	1,084	2,396	5,181
Paperboard:						
Number of machines.....	30	22	76	77	205	180
Total hours idle.....	3,982	3,700	6,701	8,964	23,347	25,453
Wrapping:						
Number of machines.....	2	2	48	40	92	73
Total hours idle.....	665	113	4,205	4,419	9,402	10,432
Bag Paper:						
Number of machines.....	0	0	17	10	27	14
Total hours idle.....	0	0	1,110	1,052	2,171	1,330
Fine:						
Number of machines.....	0	32	20	26	78	83
Total hours idle.....	0	5,505	2,511	1,432	9,448	12,538
Tissue:						
Number of machines.....	2	4	44	18	68	59
Total hours idle.....	1,008	1,666	3,730	2,529	8,933	7,863
Hanging:						
Number of machines.....	0	0	5	5	10	15
Total hours idle.....	0	0	301	319	620	1,193
Felts and Building:						
Number of machines.....	2	2	11	26	41	41
Total hours idle.....	174	243	459	3,108	4,014	1,397
Other Grades:						
Number of machines.....	10	11	17	20	48	32
Total hours idle.....	0	1,605	706	1,488	3,799	2,565
Total number of machines						
— November	36	76	300	271	683	...
Total hours idle — November	5,829	13,230	22,593	24,948	66,600	...
Total number of machines						
— October	26	99	285	199	...	609
Total hours idle — all machines—October	8,663	19,126	23,129	18,123	...	69,041

Production, Shipments, and Stocks of Paper, by Grades, for the month of November, 1919, Compared with November, 1918, and with Average Production and Stocks

Grade	Number of mills	Stocks on hand 1st of month Net tons	Production Net tons	Shipments Net tons	Stocks on hand end of month Net tons
News Print (Standard and Special Grades of News):					
November, 1919	81	16,100	116,603	117,367	15,336
November, 1918	61	20,732	101,403	101,838	20,297
Average	61	.....	103,032	.....	25,235
Book (M. F., S. S. C. and Coated):					
November, 1919	96	26,838	84,085	83,630	27,293
November, 1918	87	29,753	65,374	65,634	29,493
Average .....	.....	.....	68,760	.....	32,503
Paperboard (Straw, Chip, Fibre, Leather, etc.):					
November, 1919	254	48,417	182,940	188,273	43,084
November, 1918	227	41,756	148,671	148,922	41,505
Average .....	.....	.....	151,996	.....	51,032
Wrapping (Kraft, Manila, Fibre, etc.):					
November, 1919	164	39,596	63,394	70,434	32,556
November, 1918	160	34,595	59,572	59,001	35,166
Average .....	.....	.....	56,782	.....	51,928
Bag (all kinds):					
November, 1919	46	2,765	17,047	17,380	2,432
November, 1918	40	3,938	14,150	14,138	3,950
Average .....	.....	.....	13,200	.....	4,017
Fine (Wrappings, Bonds, Ledgers, etc.):					
November, 1919	117	33,017	32,468	32,334	33,151
November, 1918	115	30,425	30,322	27,283	33,464
Average .....	.....	.....	28,296	.....	34,854
Tissue (Toilet, Crepe, Fruit Wrapper, etc.):					
November, 1919	90	6,469	14,524	14,776	6,217
November, 1918	87	5,201	11,472	11,095	5,578
Average .....	.....	.....	11,592	.....	7,004
Hanging (No. 2, Bank Oatmeal, Tile, etc.):					
November, 1919	26	3,599	8,222	9,841	1,980
November, 1918	19	2,524	5,688	5,976	2,236
Average .....	.....	.....	6,240	.....	4,705
Felts and Building (Roofing, Sheathing, etc.):					
November, 1919	51	5,956	28,416	28,827	5,545
November, 1918	50	8,514	19,698	20,818	7,658
Average .....	.....	.....	21,312	.....	7,658
Other Grades (Specialties not otherwise classified):					
November, 1919	90	15,491	21,785	20,905	16,371
November, 1918	73	10,371	21,716	21,283	10,804
Average .....	.....	.....	13,800	.....	11,715
Total of all Grades:					
November, 1919 .....	.....	198,248	569,484	583,767	183,965
November, 1918 .....	.....	187,809	478,066	475,988	189,887
Average .....	.....	.....	474,912	.....	230,651

Note—The figures for 1918 have been prorated from a weekly basis to a calendar month basis and adjusted in conformity with the annual report. Average production and stocks are based upon the weekly reports and the monthly reports for the 18 months' period ended September 30, 1919.

The following stocks were reported on hand at terminal and delivery points on November 30 in addition to the mill stocks shown in the tabulation: News print, 771 tons; book paper, 3,285 tons; wrapping, 79 tons; fine, 189 tons, and miscellaneous, 309 tons.

Stocks of book paper, fine paper and specialties increased slightly during the month. Mill stocks of all other grades decreased. Stocks of all grades reported by manufacturers at the end of November amounted to 188,598 tons, including the stocks at terminal and delivery points. In addition to these stocks, jobbers and publishers reported news print stocks and tonnage is transit aggregating 169,693 tons.

Ratio of Stocks to Average Production

Comparing the stocks on hand at the domestic mills with their average daily production based upon the weekly and monthly reports for the 18 months' period ended September 30, 1919, the figures show that:

News print paper mill stocks equal slightly less than 4 days' average output.

Book paper mill stocks equal slightly less than 10 days' average output.

Paperboard mill stocks equal slightly less than 7 days' average output.

Wrapping paper mill stocks equal slightly less than 14 days' average output.

Bag paper mill stocks equal slightly more than 4 days' average output.

Fine paper mill stocks equal slightly more than 28 days' average output.

Tissue paper mill stocks equal slightly less than 13 days' average output.

Hanging paper mill stocks equal slightly less than 8 days' average output.

Felts and building paper mill stocks equal slightly more than 6 days' average output.

Miscellaneous paper mill stocks equal slightly more than 28 days' average output.

Total paper mill stocks of all grades equal slightly more than 9 days' average output.

To Compile Figures for Pulp Industry

The subcommittee on paper which was appointed recently by the State Department to get up facts relative to news print paper imports and exports, and which has made its final report on that subject, has now been delegated to compile similar figures for the pulp industry.

Forestry Station at Asheville

Representative Weaver of North Carolina has introduced a bill in the House "to authorize the establishment and maintenance of a forest experiment station at Asheville, North Carolina." The bill, which was referred to the House Committee on Agriculture and Forestry, is as follows:

"That the sum of \$45,000 is hereby appropriated, out of any money in the Treasury not otherwise appropriated, to be available for expenditure during the fiscal year ending June 30, 1921, to enable the Forest Service, under the direction of the Secretary of Agriculture, to establish and maintain a forest experiment station at Asheville, or at some other suitable point in western North Carolina, for the purpose of conducting in the Appalachian hardwood and adjacent forest regions silvicultural and other forestry experiments and investigations independently or in co-operation with other branches of the Federal Government, with States and with individuals, to determine the best methods for the conservative management of timber forests, farm woodlands and other forest lands, and thus to increase the productiveness of these forests and to perpetuate the lumber and other wood manufacturing the wood-using industries."

To Consider Water Power Development

The Jones measure creating a federal power commission and providing for the development of water power throughout the United States is unfinished business before the Senate and will be the first measure to come before that body for consideration after the holiday recess.

Efforts covering a long period of years have been made to bring about the enactment of water power legislation, but for various reasons the successive water power measures have failed of passage by both Houses. In the special session of the present Congress, the House passed a water power bill, and with legislation on this subject now in order in the Senate the prospects for its adoption are bright.

Senator Jones of Washington, author of the bill, recently pointed out that with proper development of water power throughout the country, a coal shortage would not be so severe upon industry as at present. He considers this legislation to be of the most constructive matters now before Congress.

Andrews Paper Mill Stock Nearly Sold

CHATTANOOGA, Tenn., December 22, 1919.—More than \$500,000 worth of stock in the O. B. Andrews Paper Mill Company has been sold, according to the *Chattanooga Times*. The new concern, which will be devoted to the manufacture of paper boxes, will probably be capitalized at about \$600,000.

Birmingham-Prosser Co. to Build

KALAMAZOO, Mich., December 29, 1919.—The Birmingham-Prosser Company, the largest concern in Kalamazoo engaged in the sale of all grades of paper to the trade, will soon have the finest sales and storage warehouse in the middle West. It will be a structure erected along the most approved lines and built to meet the needs of this progressive and growing concern.

A site, 66 feet wide and 330 feet long, has been purchased at the intersection of East Frank street and the Chicago, Kalamazoo & Saginaw Railroad tracks, and Billingham & Cobb, architects and engineers, are drawing plans for the initial unit. It will cover about half the site and will have approximately 50,000 square feet of floor space, giving three times the capacity of the quarters at present occupied.

The building will be three stories high and of steel and concrete, strictly fireproof. The front on East Frank street will be an unusually attractive one, an ornate design in terra cotta having been worked out.

Louis Simon, secretary of the company, leaves this week for a trip to various points in the middle West to inspect numerous paper warehouses and get in line on the best methods and conveniences adopted by those concerns.

The structure when completed, equipped and ready for occupancy, will represent an outlay of over \$100,000.

"The rapid growth of our business forces us to build at this time," said Mr. Simon. "Throughout the past year we have been obliged to engage large amounts of outside storage space. That is not only inconvenient but very expensive. We have been at times greatly delayed in handling orders, a defect that will be overcome in our new quarters. We will have ground enough left easily to double the size of our first unit."

New York Paper Men to Have Dinner

The Paper Association of New York City will hold its annual dinner Thursday, January 8, at Healy's Restaurant, 66th street and Columbus avenue.

The committee in charge of the arrangements is as follows: Arthur B. Murtha, of the Harper Paper Company; H. A. Earle, of the Whiting-Patterson Company; Fred H. Ross, of the Bishop Paper Company; Louis Schuman, of the Manhattan Card and Paper Company, and Michael Milton, of the Milton Paper Company. These men have been giving considerable time and thought to the arrangements.

The arrangements provide for a beefsteak dinner, a real old-fashioned beefsteak dinner. The committee has engaged the regular Golden Glades performers, who nightly amuse hundreds at Healy's with their high-class cabaret.

For the comfort and convenience of the diners, arrangements have been made to have the tables so reserved as to conform to the size of the parties which are made up. To make this arrangement effective, it is necessary to have personal reservations made as early as possible. All who intend to attend are urged to send in their name at once to William C. Ridgway, secretary of the association, 41 Park Row. Where plans have been made for attendance in groups, notice should be sent to the secretary at once.

The attendance is sure to be large and the committee has arranged for extensive accommodations.

The National Paper Trade Association has postponed its annual dinner, usually held in the winter, until April, which means that this dinner will be the first opportunity for a get-together.

Finish Print Paper for Chile

The *Suecia*, a Swedish boat of the Johnson Line, left Helsingfors recently with 1,300 tons of print paper for Chile. The vessel is stopping at Goteborg and Christiana for additional cargo and will go through the Panama Canal.

ABITIBI HAS SPECTACULAR RISE ON MONTREAL EXCHANGE

During Past Year Stock Has Risen From \$48 to \$290, Seventy Points of Which Rise Have Been Registered During the Past Few Weeks—Result of the Announcement of the Reorganization of the Company—Plans Progressing for the Installation of a New Pulp and Paper Mill in the Vicinity of Des Quinze—Saguenay Company to Incorporate—Paper Man Honored by King.

[FROM OUR REGULAR CORRESPONDENT.]

MONTREAL, Que., December 29, 1919.—The Abitibi Power and Paper Company's stock has had the most spectacular rise on the Montreal Stock Exchange that any Canadian paper security ever had. During the present year it has risen from \$48 to \$290, at which price it is being sold today. Seventy points of this rise had been registered during the past week as a result of the announcement of a reorganization of the company to permit of expansion. This announcement, following a meeting of the directors, was to the effect that a new company, Abitibi, Limited, is to be formed forthwith with a capitalization of \$31,000,000, divided into \$30,000,000 common and \$1,000,000 preferred stock. This new organization is to take over the present Abitibi Power and Paper company as a going concern, giving the holders of the latter's common stock 5 shares of common for each share presently held, the preferred shares receiving share for share alike.

There would thus be issued at the outset of the new company's career \$25,000,000 in common and \$1,000,000 in preferred stock, leaving a balance of \$5,000,000 in the treasury for disposal among shareholders at the discretion of the directors.

In addition, holders of Abitibi as of record on January 2 next will receive a dividend of 4½ per cent, bringing the disbursement for the year 1920 up to a full 6 per cent, the initial payment on the junior securities of the company having been declared on September 23 last, and paid on October 1.

President Anson stated that the new capitalization is based on the present value of the Abitibi Company's splendid assets, generally conceded to be among the finest possessed by any of the pulp and paper concerns in Canada.

New Paper Mill Plans Progress

The M. J. O'Brien interests are stated to be going ahead seriously with their plans for the installation of a large pulp and paper mill in the vicinity of the Des Quinze water-power, near the north end of Lake Temiskaming. As stated a week or two ago, the M. J. O'Brien Corporation has a capitalization of \$20,000,000, and controls not only the Des Quinze water power, of which no less than 100,000 horsepower can be developed, but the O'Brien silver mine at Cobalt and the Miller-Lake O'Brien silver mine at Gowganda. It is now learned that the corporation is investigating the various methods employed in other plants, and is considering the possibility of electrically-heated boilers, etc.; this, presumably, due to the fact that power may be generated at a comparatively low cost owing to the size of the flow to be dealt with.

Saguenay Lumber Company

The Saguenay Lumber Company, with a capital of \$100,000, will be incorporated by letters patent issued to Henry E. Price, A. J. Price, G. H. Thompson, J. H. Price and L. DeG. Belley. They will operate in the counties of Chicoutimi, Saguenay, and Lake St. John, province of Quebec.

Off For Europe

H. Biermans, managing director of the Belgo-Canadian Pulp and Paper Company, Shawinigan Falls, and president of the Canadian Export Paper Company, sailed from St. John, N. B., on

the 24th on the *Empress of France*, for England. He intends visiting the head offices of his company in Brussels.

Paper Man Honored by King

Guy Tombs, of the Canadian Export Paper Company, has been made a Chevalier of the Order of Leopold, this honor being conferred upon him by the King of Belgium for his work in connection with organizing a campaign in Montreal for the relief of the Belgians. This organization did splendid work during the war, and was instrumental in sending immense supplies to the starving Belgians.

Railway Rates on Paper

The committee appointed by the Canadian Pulp and Paper Association is still conferring with the Canadian railways regarding the increased freight rates on paper and paper products, the new tariff for which has been suspended at its request until February 1. Last week a meeting of all the interested trades took place in Montreal, and the committee was instructed to see if a compromise could not be effected with the railways. As it is, the proposed new tariff would have the effect of making the small newspaper, which does not purchase by the carload, pay about 20 per cent higher rates, which in some cases would amount to \$2.25 per ton.

America Again Buying in Sweden

STOCKHOLM, Sweden, December 3, 1919.—Swedish cellulose mills, which were hit hard during the war, are beginning to recover. Most of the mills are running again. According to authoritative figures, just made public, the production in the middle of September had already reached from 80 to 85 per cent of the normal and has improved since then.

England buys most of the Swedish cellulose, and is expected to increase her orders during the winter, as all the English paper mills are reported to be running almost full force.

American orders failed to come in again after the signing of the armistice, Canada supplying all the American wants at that time. Recently, however, Americans again began to appear as buyers. They say Canada is unable to supply all the United States' need, although Canada increased her production of cellulose materially during the war.

Swedish pulp mills are having a tough time of it, in view of Finnish competition. The Finns are in a position to furnish pulp cheaper than the Swedes. However, the world shortage is bound to stabilize prices, and there will soon be a market for all the pulp available.

There is a movement on foot aiming at utilizing straw. The farmers are anxious to get a price for straw, which otherwise will go to waste. The growing scarcity of cellulose encourages the belief that the manufacture of straw cellulose would pay. In Ostergotland and Skane the erection of straw mills is under way.

Swedish manufacturers are wrestling with a new problem: conservation of the alcohol in sulphite. Sweden has no prohibition of hard liquor, but a rationing system. A man can get a certain quantity of liquor and no more. The temptation to drink alcohol to be used in industry is very strong, as a result. A commission of five experts has been appointed to solve this particular alcohol problem.

Work Being Rushed on Interlake Plant

[FROM OUR REGULAR CORRESPONDENT.]

NIAGARA FALLS, N. Y., December 22, 1919.—Work is being rushed on the \$350,000 addition to the Interlake Paper Company plant in Merrittton, Ont. The new beater plant and stock room, four stories high, of concrete and brick, will be enclosed by February 1, when the beater machines are expected to be ready for installation. While the machines are being put up, the building will be completed. Then a new power plant will be built to be completed next fall.

SWEDISH PULP

WE HAVE A SMALL QUANTITY OF
DM-SULPHITE

DUE TO ARRIVE ANY DAY

MAY WE QUOTE YOU?

A. J. PAGEL & CO., Inc.

Wood Pulp Agents

347 MADISON AVE.

NEW YORK

NEW INDUSTRIAL DEPARTURE IN TAGGARTS PAPER CO'S MILLS

Is Expected to Increase Production and Decrease Cost of Manufacture and Result to the Mutual Advantage of the Company and the Employees—Remington Paper and Power Co. and the St. Regis Paper Co. Will Not Merge—Watertown Bag Machine Co. to Ship Coty Bag Machine to Japan—News Print Manufacturers to Renew Contracts at 4½ Cents for Six Months.

[FROM OUR REGULAR CORRESPONDENT.]

WATERTOWN, N. Y., December 29, 1919.—An industrial democracy system in the mills of Taggart's Paper Company at Great Bend, Felts Mills, and Black River will go into operation on January 1, and a general advance in wages of eight cents an hour effective on December 21, is announced at the office of the company today. Both concessions were voluntary on the part of the owners and are received with delight and appreciation by the employees affected.

Again the Taggart's Paper Company takes the lead in a new industrial departure. It is the first industry in this section of the state to adopt the plan and is the first paper manufacturing concern in the country to put it into operation. In industries where the plan has been tried out it has proven to be of enormous value to employees and employers as well. It is expected that the innovation will be a success in the local mills.

This plan has been under consideration for some time by President George C. Sherman and Vice-President and General Manager J. Victor Baron of the company. On Sunday they called a meeting of all the 175 employees of the mills, and Mr. Sherman informed them of the wage increase and outlined the scope and workings of the industrial democracy plan which he offered them. They evinced immediate interest and enthusiastic approval of the plan and have already entered into co-operation to make it a success.

The result is expected to make the employees assume the interest of stockholders in the company. They will work for the financial advantage of the concern in every detail. There will be no laggards. A fair establishment of normal production conditions will be made. When the men or departments bring about a reduction in cost or a saving in any manner, 50 per cent will be placed in a fund which will be given to the employees in dividends each month. All suggestions will be considered through the proper channels.

The logical result of the system may be summed up as follows: Increased production, decrease in cost of manufacture, decrease in the labor turnover, a reputation for the company throughout the community as a desirable place to work with greater ease in obtaining men and immunity from strikes and other labor troubles. Each man will be constantly alert to see that nothing is left undone that will reflect upon the size of the monthly dividend, and co-operation to that end will be established beyond the question of what the weekly envelope will carry.

The wage increase granted means an additional \$30,000 a year to the company, the weekly roll being about \$4,500 now. It is expected that while the employees will derive considerable from the new system, this will also be equally felt by the company.

The progress of the plan in the Taggart's Paper Company mills will be viewed with interest by all industrial concerns in this part of the state, and it is believed that others will follow suit if the expected materializes.

Big News Print Firms Not to Merge

Negotiations which have been in progress intermittently for the last several months involving the merger of the Remington Paper

and Power Company and the St. Regis Paper Company have been brought to a close in an adverse decision. This was the admission made today by Mark A. Hanna and Floyd L. Carlisle.

It became known last August that advancements had been made with a view to uniting the two big concerns under one management and capitalization of several million dollars with offices in this city. This deal was admitted at the time by Mr. Hanna and Mr. Carlisle. Since that time efforts have been made to learn the progress of negotiations with the result that today the severing of negotiations was admitted.

Had the deal materialized it would have erected a news print paper company in this section among the largest in the world, owning seven large mills with a daily production of over 400 tons. Just what stood in the way of the merger is not disclosed, but it is definitely announced that the two big concerns will continue business as in the past.

Coty Bag Machine for Japan

Japan is to receive the next Coty Bag machine shipped from the local plant in West Main street. It will be ready to place on board a train in about two weeks and has been purchased by the Meishosha Company, Tokio, Japan. Other orders from all over the world are being received by the company.

The new machine is one of the largest types made and will not only manufacture 12 to 60 pound bags at a rate of 120 to 90 per minute, respectively, but will print them in two colors at the same time. The same machine has made quarter-barrel bags at the rate of 125 per minute.

The Watertown Bag Machine Company, Inc., manufacturer of the new Coty patent, is headed by Mayor-Elect Robert E. Cahill, with C. R. Courtenay, secretary, and A. C. Coty, treasurer. They are making every effort to augment their manufacturing facilities so that the new machines may be turned out more rapidly to meet the pressing demand.

Another of the big machines is to be used for the manufacture of carry-all shopping bags, which are popular with the women of this and all other cities just now. When the bag is turned out from this machine it is airtight and already punched with holes ready for the handles. It will be delivered the first of the year to the Inter-State Bag Company, Newburgh, N. Y.

News Print at 4½ Cents for Six Months

While the price of news print paper seems to continue on an upward trend, it was said here today that the figures of 10 and 12 cents a pound being received on some special market orders is not shared on the contract basis. In fact the indications are that a very moderate price will prevail under contracts dated January 1.

The cost of production is remaining about on the same level of past months, but the big demand is responsible for the high bids that are received on the market. It is the scramble for paper that causes the inflation of prices. It was said here today by a prominent manufacturer that 90 per cent of the contracts will be renewed on January 1 at 4½ cents a pound for six months, with the understanding that in event of subsequent increase the price will not exceed five cents a pound.

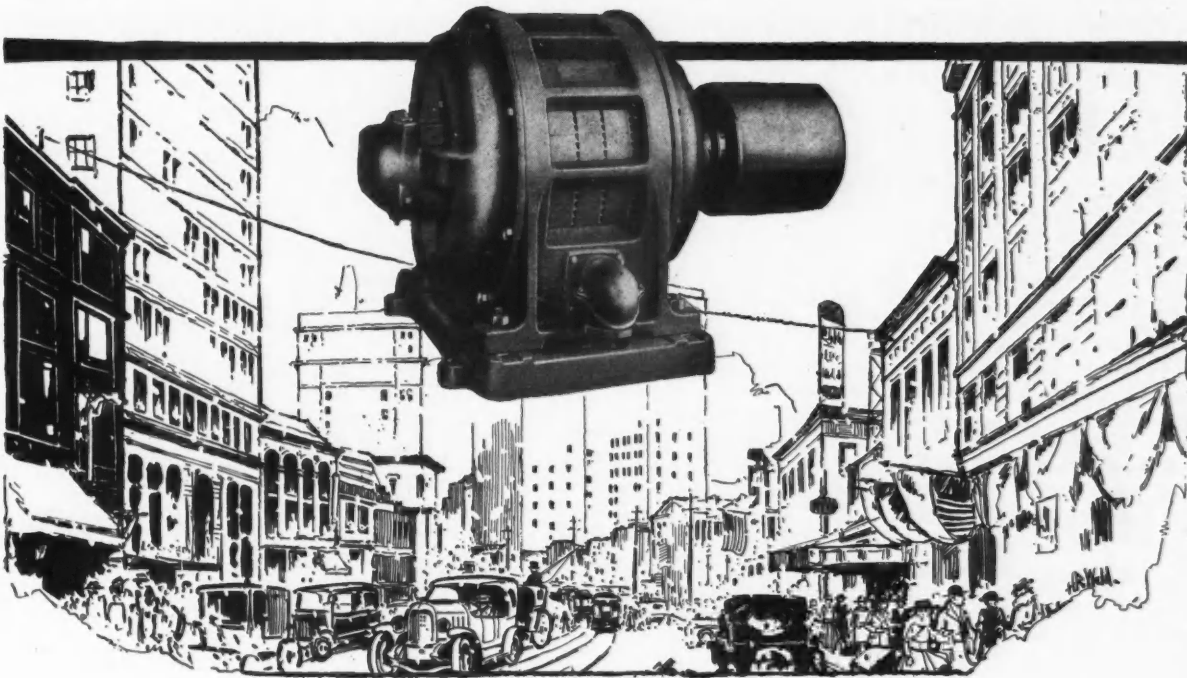
It is recalled that following the Civil War the record price for news print paper was established at 45 cents a pound. No one dreams that any such figure will ever be reached again, and it is not believed the present prices will ever sore to greater heights.

Remington Paper Co. Gives Presents

All members of the office forces of the Remington Paper and Power Company were the recipients of liberal Christmas presents. Vice-President Mark A. Hanna said today that no definite amount was given all office employees, but the amount received by each was based upon the length of service.

The presents were distributed to those in the local offices, and the ones at the mills at Carthage, Norwood, Norfolk and Raymondville.

Users want serviceable, durable, available G-E Motors that embody all features long experience has shown to be necessary



ATLANTA, GA.

An Able Motor

G-E polyphase induction motors have been more widely used than any others for well over a quarter century. In every industry they are known to be most dependable, even when operating under wet and gritty operating conditions.

Some of the first motors installed are still in daily operation, while many have

come through fires and floods undamaged so no one knows how durable they are—probably no one will live long enough to find out.

And these motors are available. You will find them stocked in all large cities with experts on their application near at hand to freely advise you.

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

TO DEVELOP WATER POWER OF NORTH WISCONSIN RIVERS

Large Portion of the Power Now Developed by These Streams Is Used by Paper Companies and More Extensive Developments Will Be Made Within the Next Two Years by Paper Manufacturers—Escanaba Paper Co. Will Start Its New Mill January 1—Paper Concerns in Wisconsin Generously Remember Employees at Christmas Time—Wallen Paper Co. Organized.

[FROM OUR REGULAR CORRESPONDENT]

APPLETON, Wis., December 30, 1919.—Extensive development of the immense water power possibilities of rivers in northern Wisconsin is contemplated for next year as a result of the coal shortage of a few weeks ago and the consequent crippling of many industries depending upon steam generated power. Investigations already completed show that streams in northern Wisconsin are capable of developing in excess of 500,000 horse-power, sufficient to operate nearly every industry in the state.

A large portion of the power now developed by those streams is now used by paper companies and more extensive developments will be made within the next two years by paper manufacturers.

The most important development for the immediate future is planned by the Continental Paper Bag Company of New York, which recently purchased the Marinette and Menominee Paper Company's mills. It is understood that that company will materially increase the power developed by the Menominee river, second only to the Fox river in power possibilities.

The Peshtigo river is now being developed by the Peshtigo Pulp & Paper Company, which owns two valuable water power sites. Several utility concerns also own water power rights which are to be developed in the near future. Experts estimate that only one-third of water power on the Menominee river and one-fourth of the power of the Peshtigo river is being used.

According to state experts, the Wolf river contains excellent water power possibilities. Only one industry, the Wolf River Paper Company at Shawano, is utilizing power generated by that stream, but a new development is planned by a utilities company next spring.

Paper Mill Employees Get Christmas Gifts

Many Wisconsin paper companies observed Christmas by giving bonuses and gifts to their employees. Bonus checks were given by the Victory Bag & Paper Company of Marinette, aggregating about \$5,000. Checks ranged from \$20 to \$250. Lake Side Paper Company employees were given checks \$20 each. Office employees of the Thilmany Pulp & Paper Company of Kaukauna were given bonus checks amounting to 25 per cent of their annual salaries.

R. W. S. Hoskins, general manager, and J. H. McLaughlin, superintendent of the Marinette and Menominee Paper Company, who will retire from the management of the mills January 2, when the Continental Paper Bag Company takes over the property, were recipients of gifts from employees on Christmas Day. Mr. Hoskins received a traveling bag, while Mr. McLaughlin was presented with a gold ring and traveling set. Letters expressing the appreciation of the employees for the kindly consideration of their superiors, went with the gifts.

Escanaba Paper Co. to Start

Operations will be started in the Escanaba Paper Company's new mill at Escanaba, Mich., January 1, it is reported from that city. The last concrete floor was completed last week, the heat was turned on Christmas Day and on the Monday following the paper making machinery was given its first test. Several days will be required to adjust the machinery, but officers are confident that actual manufacturing of paper can be started January 2, 1920.

The big million dollar plant was completed in about six months and established a new record for paper mill construction in the Middle West. As many as 300 men were often employed in construction work. Machinery was ordered when ground was broken and it was delivered as soon as the buildings were ready to receive it.

The company has filed a request with the county board of supervisors for permission to build two dams across the Escanaba river near the mill. The dams are to be 50 feet above the level of the tail water behind them and of concrete construction. They will not be equipped with locks, but will have a concave face to serve the purposes of an apron. Each dam will be 50 feet wide with waste gates not less than 17 feet square, provided with log sluices. The board will consider the requests January 7 and is expected to grant the desired permission.

Edgewater Paper Co. Increases Stock

Capital stock of the Edgewater Paper Company of Menasha has been increased from \$20,000 to \$50,000 in amended articles of incorporation. The officers are Gavin W. Young, president, and James D. Young, secretary.

Wallens Paper Co. Organized

A new paper jobbing company to be known as the Wallens Paper Company has been organized by Jay Wallens, Nathan Wallens and David Callin, all of Oshkosh. The principal office will be in Menasha. The company has a capital stock of \$20,000. Articles of incorporation have been filed with the secretary of state at Madison.

C. J. Lamoreux Made Superintendent

C. J. Lamoreux, formerly of Oconto Falls, has been named as superintendent of the Marinette and Menominee Paper Company. He will assume charge of the plant January 2. J. H. Delbridge, now general manager of the Falls Manufacturing Company at Oconto Falls, will also become general manager of the Marinette plant.

Important Fusion of British Paper Firms

An English exchange prints the following regarding an important fusion of British firms that will be of interest to numerous persons in the paper, stationery and allied concerns of America:

"E. S. Lendrum has purchased the good-will of the home and export departments of Edward Lloyd, Ltd., which will mean an important development of the concerns with which Mr. Lendrum is associated. While the head offices of Lendrum, Ltd., for the continuance of the existing business will remain in Temple-avenue, and the branch offices are maintained at Manchester, Liverpool and Glasgow, the new departure will be directed from 2-4, St. Paul's Churchyard, London, where extensive alterations have been carried out to meet the requirements of the home and export paper business.

"The staff of Edward Lloyd in the department concerned are passing over to Mr. Lendrum. G. H. Hoffman will manage the home section and T. C. Baillie will have charge of the export branch.

"The business of Edward Lloyd in the directions indicated is one of the oldest in the country, having been established for 35 years. They possess very important connections in India, Japan, the Straits Settlements and Australia, and it will be the aim of Mr. Lendrum to extend still further these important interests. Mr. Lendrum occupies a prominent place in the paper trade of Great Britain, and his energy and enterprise will find ample scope in the further opportunities which are now opened to him.

"In the development of the export connections in the East, Mr. Lendrum has secured the services of E. J. J. Randall, a gentleman who is intimately acquainted with the paper trade in those parts of the globe, and who was formerly the Eastern representative of John Dickinson & Co."

"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

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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 SEASONABLY QUIET IN PHILADELPHIA MARKET

As Compared With Former Years at This Time, However, Business Is Considerably More Active—Number of Sales for the Year Have Been Unusually Large, But Earnings Have Been Somewhat Restricted by the Inability to Obtain Goods—Higher Prices Seem Certain in Several Varieties of Paper—Paper Stock Market in Excellent Condition With Prices Firm.

[FROM OUR REGULAR CORRESPONDENT.]

PHILADELPHIA, December 27, 1919.—The quiet season, which always comes in holiday week, reappeared this year, but not true to form. Times were quite, not in themselves, but merely by contrast with the rush of the preceding days. In normal times, the business done the few days before Christmas and the two days since would have been termed quite fair. The slacking off of course is due to inventory times, easing down requirements for instant deliveries and the desire not to carry over anything that cannot be used immediately. But there is this important feature in the market: Large corporations, realizing that the exactions of the Government on incomes and profits are drastic, are making the most liberal purchases of paper for advertising purposes as a means of adding to the firm's good will and future prosperity, cost of the same, of course, being one of the running expenses of the business and therefore an expenditure that can be charged off against profits.

Large Number of Sales

Review of the year shows generally that in number of sales it was unprecedented, that profits were on a larger ratio than ever, but that the bulk of earnings for the year will not compare so favorably with war-time prosperity solely because of the inability to get enough goods to meet the demands. The soundness and healthfulness of the market is shown by the fact that no paper salesman feels called upon to urge purchases for the future to save from advancing prices. There is, of course, the certainty that prices will go up. But between the present and that time, there exists the big bulk of unfilled orders which has choked the mills and the position they have taken that prices will be made definite only at the time of delivery. Salesmen are therefore taking the stand that it is the better policy on the part of their customers to anticipate actual needs rather than advanced prices, to order only what they must have to assure themselves a supply of the necessities rather than a possible stock of goods for economy prices only.

Higher Prices Certain

The certainty of higher prices applies to all fine papers. There is a feeling that coarse papers will go higher, too, but not immediately. Paper jobbers have notified manufacturing stationers that they must count on having to pay more for raw material and must be governed in fixing cost to the consumer accordingly. During the closing week of the season jobbers had no difficulty in getting from $\frac{1}{4}$ to $\frac{1}{2}$ cent additional on machine finished and supers, with a scarcity existing and a greater one feared in view of the continued big demand that is looming up. So well informed an authority as Charles M. Levis, of Curtis & Bro., Inc., said: "I can see nothing in the future but an upward tendency. Mill men are presumed to be making big profits, but the fact is that our raw material is so high, labor so hard to get, shipments so uncertain that there is nothing particularly attractive to us in the high prices. All the jobbing houses are clamoring for deliveries and we certainly are not urging on any of them to stock up. We cannot meet their immediate requirements."

Paper Stock Market Firm

The market for stock, both of old papers and of rags, is still in excellent shape. Prices are firmly held all along the line, but with no notable advances. The outlook is most encouraging; indeed, the trade cannot recall a year's close when it looked forward with more satisfaction to a new year's beginning than it does at this memorable time. It is almost inconceivable that the present winter should be other than highly prosperous.

Sales Force Conferences

The year's ending is the time for reviews and forecasts. Many of the larger firms are having conferences of their sales forces. The D. L. Ward Company is having such a conference, the way for it being happily paved by the distribution of bonuses on Tuesday last. Married men received a juicy Christmas turkey, President George W. Ward making the presentation. The firm is just issuing a handsome calendar, embossed with the firm's own and the old Megargee-Hare Company's trade marks, visual evidence of the recent virtual combination of the two establishments.

The J. L. N. Smythe Company also held a sales conference, with Sales Manager C. H. Morian as its inspiration. D. P. Hazard, who has charge of the firm's sales of Clayville products, joined the conference after a week's trip to New York.

Curtis & Bros., Inc., have notified the trade of the withdrawal of prices on their high grade writing, rag stock and offset papers. Shipment prices are made.

Norman Fort, formerly with the Thomas W. Price Company, of which his father is head, but afterwards in business for himself, lastly with the Whitaker Paper Company in the Crozier Building, has rejoined the Price organization. J. W. Stark, formerly Baltimore representative of the Whitaker Company, is in charge of the Philadelphia office.

Walter A. Buchanan, of the D. L. Ward Company, has compiled a new catalogue of its fine papers. It will be sent out January 1.

The Philadelphia Paper Manufacturing Company has awarded to the Brown Construction Company a contract for another of the series of buildings recently projected. The new building will be two stories high, will be erected on Nixon street near Fountain street, and will cost about \$50,000.

Agitation again has begun for the establishment by the Commonwealth of its own printing plant, the inciting cause being the alleged delays of the State printer who does the work under contract. Members of the constitutional revision convention now in session are complaining over delays.

Springfield Paper Co. Burned

SPRINGFIELD, Mo., December 24, 1919.—A spectacular fire of unknown origin last night totally destroyed the four-story building at 325 East Water street, occupied by the Springfield Paper Company, and consumed a stock of paper valued at between \$50,000 and \$60,000.

A total of about \$60,000 in insurance was carried on the paper stock of the company of which about \$54,000 was on the stock which was consumed. A considerable quantity of paper in the building at 317 East Water street, west of the burned building, was not damaged in any way.

The Springfield Paper Company will resume business at once in temporary quarters yet to be decided upon. The stock of paper at 317 East Water street, several cars of stock on the tracks and more en route from the mills will enable the company to open up with no great disadvantage from the fire. The location of temporary offices will be announced as soon as decided upon. All the records are intact in the safe.

The officers and larger stockholders of the paper company are: H. S. Jewell, president; E. C. Ely, vice-president; R. A. Likins, secretary; C. H. Baldwin, treasurer, and Ross Likins.



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IN TRANSIT AND ON HAND
FOR IMMEDIATE SHIPMENT

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BIDS AND SPECIFICATIONS FOR GOVERNMENT PAPER

Purchasing Officer of the Government Printing Office Receives Bids on Numerous Lots of Paper and Announces Awards on Other Lots of Paper for Which Bids Were Opened Recently—Purchasing Officer of the Government Printing Office Announces that Bids Will Be Opened for Various Lots of Paper January 2—Purchasing Officer of the Panama Canal Announces Awards on Paper.

[FROM OUR REGULAR CORRESPONDENT]

WASHINGTON, D. C., December 30, 1919.—The Purchasing Officer of the Government Printing Office has received the following paper bids:

19,500 pounds (300 reams) of 24 x 38—65 kraft wrapping paper; George W. Millar & Co., at \$.10 per pound; Thomas Barreft & Sons, at \$.10 $\frac{1}{4}$; Republic Bag and Paper Company, at \$.10; R. P. Andrews Paper Company, at \$.0995; Old Dominion Paper Company, at \$.1114; Charles C. Walsey Company, at \$.10 $\frac{3}{4}$; Mathers-Lamm Paper Company, at \$.115; Ringel Brothers, at \$.09.

1,250 pounds (25 reams) of 19 x 24—50 white stereotype molding paper; Dobler & Mudge, at \$.12 $\frac{1}{2}$ per pound; Standard Paper Company, at \$.12 $\frac{1}{2}$; Old Dominion Paper Company, at \$.13; Mathers-Lamm Paper Company, at \$.12 $\frac{3}{4}$; Charles C. Walsey Company, at \$.14; R. P. Andrews Paper Company, at \$.12 $\frac{1}{4}$; Whitaker Paper Company, at \$.1260; George W. Millar & Co., at \$.14 $\frac{1}{4}$ and \$.15 $\frac{1}{4}$.

5,475 pounds (50 reams) of 21 x 32 $\frac{1}{2}$, No. 60, buff wove ledger paper; Carew Manufacturing Company, at \$.38 per pound; American Writing Paper Company, at \$.337; Southworth Company, at \$.39; Old Dominion Paper Company, at \$.3274.

108,600 pounds (2,700 reams) of white, buff and salmon writing paper; Aetna Paper Company, at \$.1684, \$.1664 and \$.1784 per pound; Old Dominion Paper Company, at \$.183698 and \$.194198 per pound; Dobler & Mudge, at \$.17 $\frac{1}{2}$ and \$.18 $\frac{1}{2}$; American Writing Paper Company, at \$.1824, \$.1784, \$.1884 and \$.1984; and Merriam Paper Company, at \$.19 and \$.21.

36,000 pounds (1,000 reams) of 21 x 32—No. 20, white wove writing paper, high machine finish; American Writing Paper Company, at \$.132 per pound; Charles C. Walsey Company, at \$.1325; Merriam Paper Company, at \$.1325.

3,075 pounds (150 reams) of 17 x 28—No. 16, salmon wove writing paper; American Writing Paper Company, at \$.1874 per pound; Dobler & Mudge, at \$.19; Aetna Paper Company, at \$.1788; and Merriam Paper Company, at \$.24.

5,000 pounds (3,500 sheets) of best quality binder's board; American Paper & Wooden Ware Company, at \$.86.75 per ton; Boxboard and Lining Company, at \$.88; Charles F. Briggs & Co., at \$.91; C. L. La Boiteaux Company, at \$.75; Philip Rudolph & Sons, at \$.93.45; Kerr Paper Company, at \$.80; Mathers-Lamm Paper Company, at \$.85; and Dobler & Mudge, at \$.77.25.

Government Printing Office to Open Bids

The Purchasing Officer of the Government Printing Office will open bids on January 2 for the following:

46,800 pounds (800 reams) of 24 x 38—No. 24 white wove writing paper. Bids will also be opened at the same time for 17,820 pounds (460 reams) of various sizes of white wove ledger paper.

The Purchasing Officer of the Government Printing Office will open bids for the following on January 2:

60,000 pounds (500 reams) of 22 $\frac{1}{2}$ x 28 $\frac{1}{2}$ —120 No. 1 white bristol board.

40,000 pounds 22 $\frac{1}{2}$ 28 $\frac{1}{2}$ —100 pink bristol board.

Government Printing Office Awards

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

The Carew Manufacturing Company has been awarded the contract for furnishing 25,850 pounds (500 reams) of 21 x 32—No. 32 and 16 x 21—No. 32 white wove commercial ledger paper at \$.24 per pound.

11,200 pounds (350 reams) of buff and dark pink 22 x 34—No. 16 writing paper will be furnished by the American Writing Paper Company at \$.1924 and the Aetna Paper Company at \$.185.

The Southworth Company will furnish 7,100 pounds (100 reams) of 23 x 38 No. 32 white wove ledger paper at \$.30 per pound. Bids for all of these items were opened on December 12.

The D. L. Ward Company has been awarded the contract for furnishing 5,000 pounds (100 reams) of 25 x 38—50 white laid antique printing paper at \$.10 per pound.

13,000 pounds (500 reams) of 22 x 34—No. 13 high machine finish yellow writing paper will be furnished by the R. P. Andrews Paper Company at \$.16 per pound. The Holyoke Card & Paper Company will furnish 8,000 pounds (40 reams) of 22 $\frac{1}{2}$ x 28 $\frac{1}{2}$ —200 orange cardboard at \$.35 per 1,000.

The Aetna Paper Company will furnish 396,000 pounds (10,500 reams) of white and buff various sizes wove writing paper at \$.1664 and \$.1744 per pound.

20,000 pounds (200 reams) of 20 $\frac{1}{2}$ x 30 $\frac{1}{2}$ —No. 60 white wove ledger paper will be furnished by the Carew Manufacturing Company at \$.31 per pound and the Worthy Paper Company will furnish 28,300 pounds (500 reams) of 21 x 32—No. 36 and 16 x 21—No. 28 white wove commercial ledger paper at \$.24 per pound. Bids for this paper were opened on December 15.

The B. F. Bond Paper Company will furnish 12,500 pounds (250 reams) of 20 x 25—50 dawn wove rough cover paper at \$.107 per pound and the R. P. Andrews Paper Company will furnish 1,500 pounds of the same in moss green at \$.1115 per pound. Bids for these items were opened on December 17.

The R. P. Andrews Paper Company has been awarded the contract for furnishing the Government Printing Office with 180,000 pounds of white wove writing paper in 17-inch, 18-inch and 21-inch rolls at \$.0975 per pound. The Graham Paper Company will also furnish 84,000 pounds (3,000 reams) of 24 x 32—28 No. 1 white M. F. printing paper at \$.1125. Bids for these items were opened on December 15.

26,340 pounds (320 reams) of white and buff wove ledger paper will be furnished by the Old Dominion Paper Company at \$.32229 per pound. The American Writing Paper Company will furnish 18,000 pounds (500 reams) of 20 x 25—No. 24 white wove writing paper at \$.1674, and the Whitaker Paper Company will furnish 15,000 pounds (700 reams) of 21 x 32 and 22 x 34—No. 11 blue glazed bond paper at \$.20 per pound. Bids for these items were opened on December 17.

The Mathers-Lamm Paper Company will furnish 40,000 pounds (24,000 sheets) of 25 x 30—No. 30, No. 2 quality, binder's board at \$.73.85 per ton, bids for which were opened on December 19.

The Purchasing Officer of the Panama Canal will open bids on January 9 for 600 reams (300,000 sheets) 17 x 22—No. 20 white bond paper.

100 reams (50,000 sheets) of 17 x 22—No. 7 $\frac{1}{4}$ white glazed onion skin paper.

40 reams (20,000 sheets) of 25 x 38—No. 80 white enamel book paper.

The Alling & Cory Company have been awarded the contract by the Purchasing Officer of the Panama Canal Zone for furnishing 100 reams (50,000 sheets) of 17 x 22—No. 20 pink bond paper at \$.386, bids for which were opened on December 17.

The BIRD SAVE-ALL *is Automatic*

STOCK RECOVERY

The waste water is strained and the stock returned to the point of use all by the action of the Save-All without handling or attention.

HEAD REGULATION

The Bird Variable Speed Drive for cylinder moulds (patented) maintains a head of stock on the mould by regulating the speed of the mould to the requirements of white water supplied. The cylinder drives at the speed required by the volume of white water furnished and stops if the supply is diverted.

SHOWER PIPE

A valve in the shower connection is controlled by the variable speed drive so that the shower stops with the cylinder. The consistency of the recovered stock is kept uniform with the practical limits.

STRAINER VALVE

The Bird Save-All is fitted with the Bird Strainer Valve (patent applied for), a practical, fool-proof strainer that prevents the holes of the shower pipes from filling up and keeps the shower on the job.

These automatic features of the Bird Save-All solve many of the mechanical problems connected with waste water filtration. They make the Bird Save-All as nearly fool-proof as it is possible for the machinery to approach. They are largely responsible for the ability of the Bird Save-All to save stock at a profit.

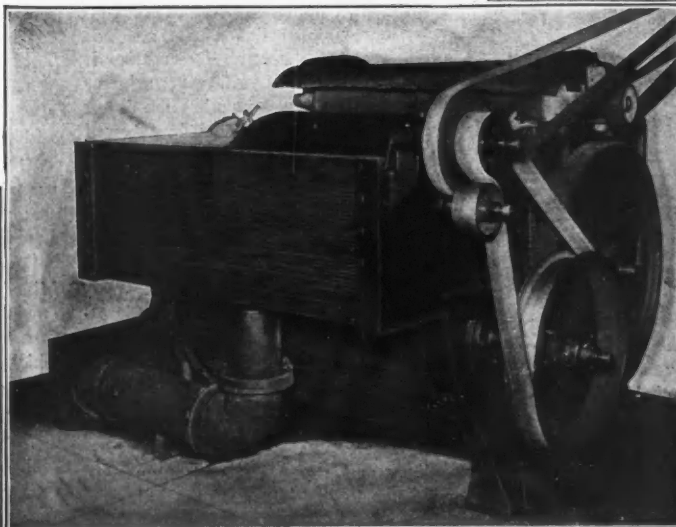
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PAPER TRADE IN ALL LINES IS PROSPEROUS IN CANADA

Year Just Closed Has Been Most Satisfactory in All Branches of the Business Since 1912—Increases in Prices Are Registered in Some Varieties of Paper—Outlook in Rag and Paper Stock Market for a Prosperous Year Is Good—Want Forestry Experts Employed to Have Charge of All Forestry Operations in Province of Ontario—Paper Box Business Is Booming.

[FROM OUR REGULAR CORRESPONDENT.]

TORONTO, Ont., December 29, 1919.—The closing year has been the most satisfactory on the whole of any since 1912 and 1913 in the pulp and paper line. This applied to all branches of the business. Jobbers, who are now busy at stock taking, state that their volume of turnover has been the greatest ever. During the past week there was an advance of five per cent on toilet and tissue papers. One large firm has raised the figure for tag manila 15 per cent owing to increasing costs of manufacture.

In the rag and paper stock market, the outlook is good. While prices are high there is only a spotty demand for most grades. Book shavings are active and so are print manilas, but mixed papers are weak with no one buying heavily and buying only at prices much reduced from the recent high level. Altogether the mills seem satisfied that they have enough stock on hand now to go out of the market for a few days in the hope of lowering waste paper figures and for the present they are succeeding. In sympathy with quotations in the United States, quotations on new cotton rags have improved considerably. Roofing rags are also in very good demand with prices high. As announced some time ago, the price of news print has been fixed in Canada at \$80 per ton, f. o. b. mill, for the next six months. In regard to sheet news the following will prevail: Carload of twenty tons and up, \$4.60 per 100 lbs.; two tons and less than car lots, \$4.75. Prices for other than the foregoing, sheets news in car lots, \$5.25; two tons and up, \$5.50. The terms are net, thirty days, f. o. b. mill. These rates are for lapped paper, and if the warehouses have labor to do it, there will be an advance of one-half a cent a pound for news folded in quires or sections.

Many large news print manufacturers, who are shipping the major part of their output to the United States and are paid in New York funds, are making a handsome profit additional out of the premium. One United States firm doing business with Canadian jobbers has taken a very fair view of this matter and has sent out notices to Canadian customers to the effect that it realizes at the present time, the rate of exchange is very unfortunate and is fluctuating considerably. When accounts become due it might become more unfavorable. The firm in question has offered to extend credit to reputable houses in the matter of payment until such a period as the discount is back to something like normal. Needless to say, this concession is much appreciated by the Canadian manufacturer patrons of the American concern.

It has been stated that Canadian paper manufacturers doing business in England might be assessed in the old country under the British act. A deputation waited upon the Federal government at Ottawa recently who sent word to the Colonial office to stay further proceedings until the Canadian government has had opportunity to make proper representations on the subject. It is probable that most of the mills doing business with Great Britain are selling f. o. b. basis and, therefore, do not come under the proposed taxation.

All Canadian plants are busy and start 1920 with numerous orders ahead and every confidence in the future of the industry.

Ground wood pulp prices continue to increase and \$50 to \$55 now prevails at mill.

Forestry Deputation Desires Change in Ontario

A deputation consisting of Robson Black, secretary of the Canadian Forestry Association, Ottawa, Clyde Leavitt, chief forester of the Commission of Conservation, and Roland D. Craig, who is in charge of the forest survey being made of the timber and pulp wood resources of Ontario, waited upon the provincial government in Toronto this week and urged upon Premier Drury and Hon. Beniah Bowman, Minister of Lands and Forests, the matter of having forestry experts employed, who will have supervision of all forestry and lumbering operations in Ontario. Another deputation from the counties of Durham and Northumberland saw Premier Drury last week and requested him to adopt a system of reforestation. The Premier declared that two things were necessary to make a success of the system, sufficient revenue and an assurance that the Province was getting value for the money expended. He intimated that in any plan that might be adopted, the land to be planted would have to be provided by the different municipalities. Reforestation was a subject in which he had taken deep interest for many years and he was anxious to see some proper system in effect.

Paper Box Business Is Booming

The call for paper boxes, cartons and containers of all kinds keeps up and all local plants are away behind in their orders. A great many boxes are required for Canadian confectionery which is being shipped overseas in large quantities. All board plants are rushed to the limit, and the situation will not be materially relieved until the Canada Box Board Company completes the erection of the forty-ton mill which it purposes to establish in Toronto. A new schedule of prices has gone into effect. There has been an advance of \$10 per ton on chip and strawboard, which now sells at \$80; chip board, vat lined, is now \$87.50; news board, \$87.50; filled wood board, \$90; patent coated board, manila back, \$140; patent coated, news back, \$130; folding wood board, \$103; all quotations net thirty days, f. o. b., Toronto. The advance on the average is from 12 to 15 per cent. All the paper box factories are now stock taking and report they have closed the most successful year since the outbreak of the war. The prospects for 1920 are very promising.

General Jottings of the Trade

E. S. Crabtree, late manager of the Camden Paper Mills at Camden East, Ont., has accepted a position with the Bathurst Lumber Company, of Bathurst, N. B.

Captain Claud E. Nicely, of South Bend, Ind., formerly assistant sales manager of the Toronto Paper Manufacturing Company, of Cornwall, Ont., spent the Christmas holidays with friends in Toronto.

A new industry has been started in St. Thomas, Ont., a provincial charter having been granted to St. Thomas Boxes, Limited, with a capital stock of \$30,000.

The many friends of George E. Challes, of Toronto, sales manager of the Riordon Pulp and Paper Company, are extending their sympathy to him in the death of his younger daughter, Miss Muriel Louise Challes, who passed away on December 27.

Hon. E. A. Smith, of Fredericton, N. B., Minister of Lands and Mines for New Brunswick, was in Toronto this week to meet the officials of the new administration of Ontario and explained the forestry system in use in the eastern province, the adoption of which has been urged before the Ontario government.

Captain Fred Fisher, formerly of the sales staff of the Canada Paper Company, Toronto, who has been spending several years, overseas, has returned from Europe.

T. A. Weldon, vice-president of the Provincial Paper Mills

(Continued on page 56)

J. Andersen & Co.



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A-1 Bleached Sulphite

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Uniform in Quality

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Sole Agents for the United States for

CANADIAN KRAFT, LTD., Three Rivers, Canada

New York Trade Jottings

M. F. Peterson, secretary of the Cost Association of the Paper Industry, was out of New York a part of last week to visit some of the paper mills in Holyoke, Mass. He returned last Saturday.

The entire sales force of the American Paper Mills Company, Inc., 38 Park Row, were presented with Eversharp pencils for Christmas—doubtless, to facilitate them in taking orders for the growing concern.

H. L. Derby, vice-president and sales manager of the Kalbfleisch Chemical Company, 31 Union Square West, has returned from a three weeks' business trip in the West, where he studied the casein situation.

J. F. Baker, for the past six years superintendent of the Ravenswood Paper Mills Company, 545-575 Van Alst avenue, Long Island City, has resigned his position. Mr. Baker, who is well known in the paper industry, has not announced his plans for the future.

Philip T. Dodge, president of the International Paper Company, 30 Broad street, New York, was the honor guest at a banquet given at the Union League Club, 1 East 39th street, Tuesday evening. Mr. Dodge, who returned last week from a business trip in Europe, was presented with a silver loving cup by his employees and the other members of the firm of his concern.

Members of the Cost Association of the Paper Industry will from now on receive a bulletin from time to time, which records the action of the association and announces meetings and gives other information concerning the association. The first bulletin was issued last week, and gave a complete resumé of the meeting held November 12 and 13 at the Waldorf Astoria Hotel.

Miami Valley Mills Remember Employees

[FROM OUR REGULAR CORRESPONDENT.]

DAYTON, Ohio, December 29, 1919.—The Miami Valley has its contribution to add to the Christmas "cheer" distributed by paper manufacturers. Of course, the private acts of certain men never will be known except to recipients of gifts, but among the most substantial distributions marking the holiday season coming to public notice were those of several mill concerns in Hamilton, among which may be mentioned the Champion Coated Paper Com-

pany, the Beckett Paper Company and the Black-Clawson company, manufacturer of paper making machinery.

The Champion Paper Company made the most substantial gift, and by far the largest ever presented to employees of any Hamilton concern. To each of the 1,625 employees, Mr. Thomson presented a week's wages in addition to their regular pay and bonus. The gift totaled \$60,000.

Of greater significance to the employees, however, is the fact that Mr. Thomson announced that a similar present would be made four times during the coming year, provided the mills ran full time and business conditions remain prosperous. This will involve the presentation of a sum possibly exceeding \$250,000.

To pay a quarter of a million dollars to a working force, above their regular pay, in a given year, will be unprecedented, and it goes almost without saying that President Thomson's benefactions will be deeply appreciated. It is certain that should the mills be favored with a large business, the employees will see to it that full production is assured.

Albemarle Paper Co. Buys Dixie Mills

RICHMOND, Va., December 29.—The Albemarle Paper Manufacturing Company on December 26 purchased the plant of the Dixie Paper Mills, Inc., which it will immediately convert into a plant to manufacture the same lines of paper that it is now manufacturing in its Hollywood mills. This includes blotting papers, filter papers, stereotype papers and absorptive papers of all sorts for manufacturing purposes. The additions and changes are already under way, and the firm expects to have the additional facilities ready by March 1, 1920.

This will add to its present capacity about twelve tons a day, making the total capacity of its two mills 50,000 pounds daily. The company found this necessary in order to take care of the ever increasing demand for its product.

Mid States Gummed Tape Co. Expands

CHICAGO, December 29, 1919.—The Mid States Gummed Paper Company is about to move into a new building at 25th and Robey streets, on the main track of the C., B. & Q. R. R.

The firm's capacity for gummed paper and cloth tapes will be more than doubled and in addition to these items it will manufacture gummed flat sheets and combined paper and cloth.

Capital stock of the company is being increased from \$25,000 to \$100,000.

The officers are: Irving McHenry, president; Walter C. Ross, secretary and treasurer, and George De Vries, vice president.

Bleached and Unbleached
WOOD PULP
 of every description


M. GOTTESMAN & COMPANY

INCORPORATED

18 East 41st Street

NEW YORK, N. Y.

Established 1888



FRED C. STRYPE
 320 Broadway New York City
 DOMESTIC & EXPORT
PAPER



GIVE US A CHANCE

to demonstrate to you our ability to furnish the best in colored specialties in the shortest possible time; and at prices that must commend themselves to your attention. Our slogan "Service in Specialties" is no idle one, and we have never failed to make good on our promise.

Incidentally, our new Cohoes Mill is turning out WATCO Bond, a new Paper that is bound to attract considerable attention in the market. Let us tell you about it?

FRANK GILBERT PAPER CO.
 Waterford, N. Y. Cohoes, N. Y.
 Representatives, WILLIAM E. EBBETS & SON
 501 Fifth Ave., New York

T. F. HART PAPER COMPANY, Inc.
 Dunkirk, Indiana

MANUFACTURERS OF
ALBANY
REFINED STRAWBOARD

for
TUBES AND CAPS
SINGLE and DOUBLE LINED
PLAIN and COLORED
VAT LINED, MILL AND SHEET LINED
SPECIALTIES, ETC.

Domestic and Export
 Mill: Albany, Indiana



*Itinerant Trotsky's may
 as well trottoffick*

The classy edition (who said "classic"?) of "A Further Palaver on Paper", just finished by the Roycrofters for us, shoots a lot of interesting dope on KVP—not full of holes either—including some observations of an "outsider" on labor conditions at the mill. Most of the boys and girls out here work with us and not for us, which helps put KVP quality into such of our paper as *you* use.

The book is democratically free!

Kalamazoo Vegetable Parchment Company

KALAMAZOO, MICHIGAN

"World's Model Paper Mill"

Makers of Vegetable Parchment, Bond and Waxed Paper



Obituary

Patrick O'Neil

PHILADELPHIA, December 29, 1919.—Patrick O'Neil, president of P. O'Neil & Co., paper stock dealers, 408 South Sixth street, died on Christmas Day at his home, 1528 South Broad street in his 69th year. He was born in Ireland, but came to this country before attaining his majority. More than 40 years ago he organized the business of which he continued as head until his death.

Mr. O'Neil was most active in other lines than his own business. Until very recently he was foremost in many Irish societies, served as treasurer of the Land League for many years, and was a director of the Continental Equitable Title and Trust Company and the Home Life Insurance Company.

John E. Clark

[FROM OUR REGULAR CORRESPONDENT.]

HOLYOKE, Mass., December 29, 1919.—John E. Clark, one of Holyoke's pioneer paper manufacturers and most respected citizen, prominent in manufacturing, banking and all business circles in this city, died late last week, Wednesday afternoon, at the Holyoke City Hospital of complications following an operation.

Mr. Clark at the time of his death was president of the People's Savings Bank, a man of sterling integrity and one who took much pride in civil interests.

Mr. Clark was born in Ashland, July 21, 1848. At the age of 16 he went to New Haven, Conn., where he entered the employment of R. C. Dickinson & Co., wholesale dealers in rag and paper stocks. At the age of 21 he became a partner in the firm which then consisted of himself and R. C. and George R. Dickinson. The latter two retired three years afterward. In the spring

of 1880 he was compelled to sell his interest to his brother because of ill health.

The same year he came to Holyoke and in company with George R. Dickinson purchased the old Albion Paper Mill, which they operated under the name of the Dickinson-Clark Paper Company. In 1890 they disposed of the mill to its former owners, as the limited quarters offered no room for expansion of the business. The same year, Mr. Clark became connected with the George R. Dickinson Paper Company, with which he assumed the position of general manager. The mill at that time was one of the largest in Holyoke.

Just previous to locating in Holyoke, Mr. Clark re-engaged indirectly in the paper stock business in New Haven with his brother-in-law, C. W. Ives. While a member of the Dickinson-Clark Paper Company, he also owned a third interest in the Excelsior Paper Company, with George R. and R. M. Dickinson. Still later Mr. Clark came in control of the entire mill, which he later sold because of ill health.

New Color Card of Paper Dyes

The National Aniline and Chemical Company, Inc., 21 Burling Slip, New York, has recently issued an attractive color card showing samples of paper dyed with those of its products which are especially applicable to paper. Forty-two shades are shown comprising acid colors, of good fastness to light, generally used for coloring sized paper; basic colors, possessing great tinctorial power for pure vegetable fibres, and for the production of mottled effects with mixed stock; and direct colors for use with unsized pulp, in the manufacture of blotting and copying paper.

General information as to the use of these colors is given, and the card provides a valuable addition to the resources in the use of American colors available for paper manufacturers and lends to the term "National Colors" a new significance.

CLAREMONT PAPER COMPANY, Inc.

Mills: Claremont, N. H. and Bellows Falls, Vt.

GROVETON PAPER COMPANY, Inc.

Mills: Groveton, N. H.

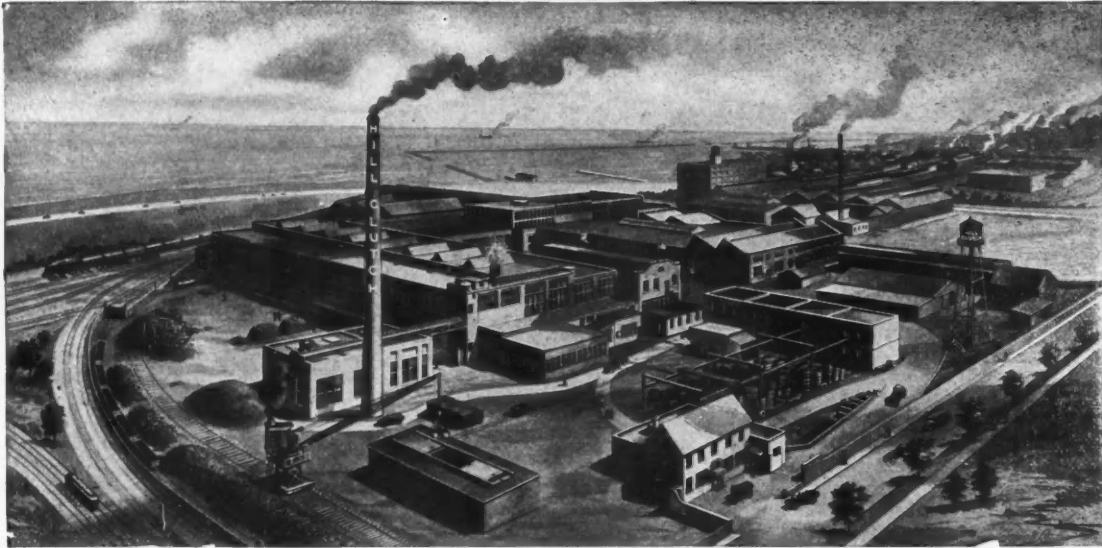
SALES OFFICE:

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Branch Office:
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THE HILL CLUTCH CO.



THE PLANT OF THE HILL CLUTCH CO.
CLEVELAND, OHIO.

Where Modern Improved Power Transmission on Machinery Is Made.



Nilsen, Rantoul & Co.
INCORPORATED
30 East Forty-second St.
New York

WE specialize in the importation of Wood Pulp, Casein, and in the exporting of Pulp, Paper, Paper Making Machinery, and Industrial Chemicals. The services of our organization either for the sale or purchase of the above commodities are at your disposal. Write us for complete details.

We maintain branches at—

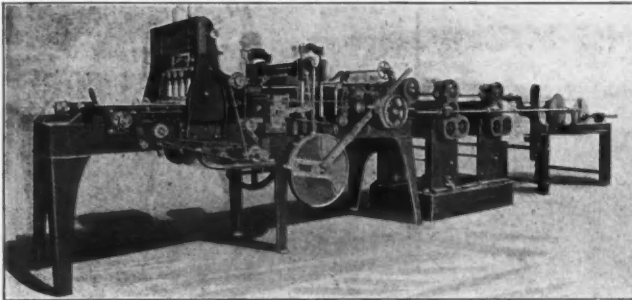
Christiana
Stockholm

Barcelona
Paris

Mexico City
Buenos Aires

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Rome

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.
American Sugar Refining Co.
Atlas Tack Co.
Capwell Horse Nail Co.
French Government
General Electric Co.
Griffin Mfg. Co.
H. C. Tack Co.

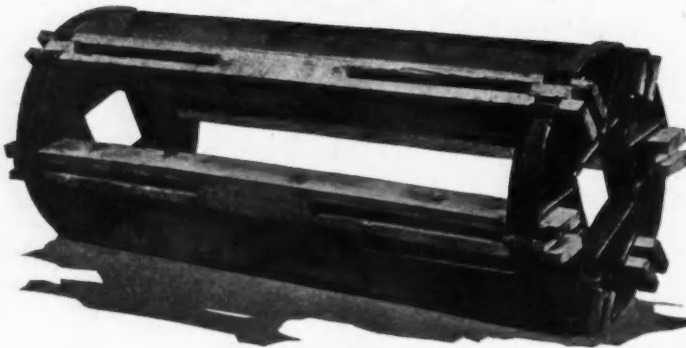
Japan Government
Larkin Soap Co.
Liggett & Myers Tobacco Co.
Macbeth Evans Glass Co.
Nat. Screw & Tack Co.
Nat. Cloak and Suit Co.
P. & F. Corbin Corp.
Penn. Hardware Co.

Peter Cartridge Co.
Reed & Prince Mfg. Co.
Sears, Roebuck & Co.
Stanley Works
Shredded Wheat Co.
Standard Oil Co.
Sargent & Co.

U. S. Government
Remington Arms U. M. C. Co.
U. S. Cartridge Co.
Welsbach Co.
Victor Talking Machine Co.
Western Cartridge Co.
Winchester Repeating Arms Co.

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

MUNISING PAPER COMPANY
MUNISING MICHIGAN
 MANUFACTURERS OF

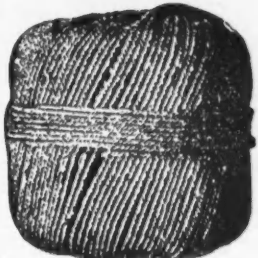


**COLOR QUALITY AND UNIFORMITY
 HAVE MADE FOR IT
 AN ENVIABLE REPUTATION**

“AMERICAN” TWINES



- Paper Makers' Twine
- Tube Rope
- Wall Paper Twine
- Hay Rope
- Fine and Coarse Polished Twines
- Manila Rope
- Transmission Rope



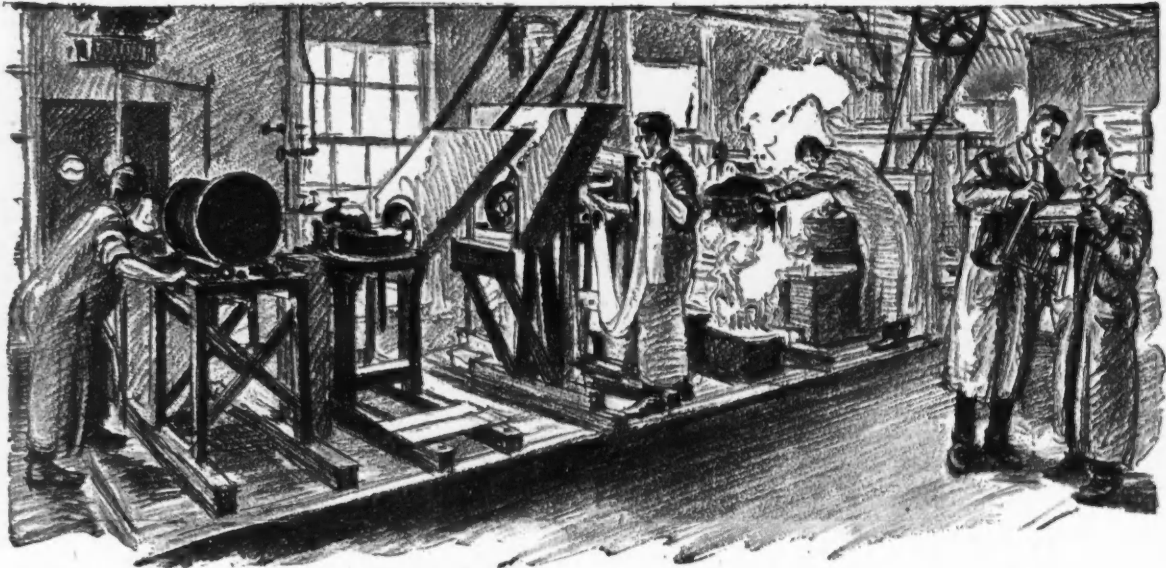
For Prices Write Department M

American Manufacturing Company

Largest Makers of Commercial Twines and Rope in the World

Mills and Sales Office:

NOBLE AND WEST STREETS, BROOKLYN, NEW YORK CITY



Discovering New Facts about Paper

Important announcement to paper-merchants, printers, lithographers, engravers, and all users of paper

CERTAINLY, new facts about paper are urgently needed.

Paper merchants, printers, lithographers and business men recognize this need.

The paper industry has lacked standards—lacked scientific tests which determine the fitness of a certain paper for a certain purpose.

Sufficient scientific information has not been available.

To set up standards in an industry, to know exactly what happens when materials are subjected to manufacturing processes, to test a finished product for quality—this means research.

Discovering the Scientific Basis

At Holyoke, Mass., the American Writing Paper Company has established a laboratory which is studying systematically the whole science of paper-making.

This laboratory helps first in the purchase of raw material. It determines the *paper-making value* of wood-pulp or rags. Dirty wood-pulp may be rejected entirely.

The methods of manufacture are likewise carefully studied. Chemical and microscopic examination of the fibres of the raw material shows the fitness of these materials for the papers we are making. Long and constant investigation is acquainting us with the scientific facts concerning the use of alum, rosin, sizing, water, dyes.

Last, we carry on investigations in pure science—investigations of no immediate commercial value, but which must ultimately benefit the industry greatly.

This laboratory, established primarily to discover scientific facts about paper, has proved remarkably profitable. The cost of equipment, \$225,000, and of maintenance, more than \$75,000 annually, is returned to us in the course of a year. It is not only improving methods of manufacture, but directly reducing costs, and thus increasing values.

Research Essential to "Square Dealing"

The work done in our laboratory at Holyoke is of value to every buyer and user of paper. Such research must result in promoting fair dealing in the paper trade.

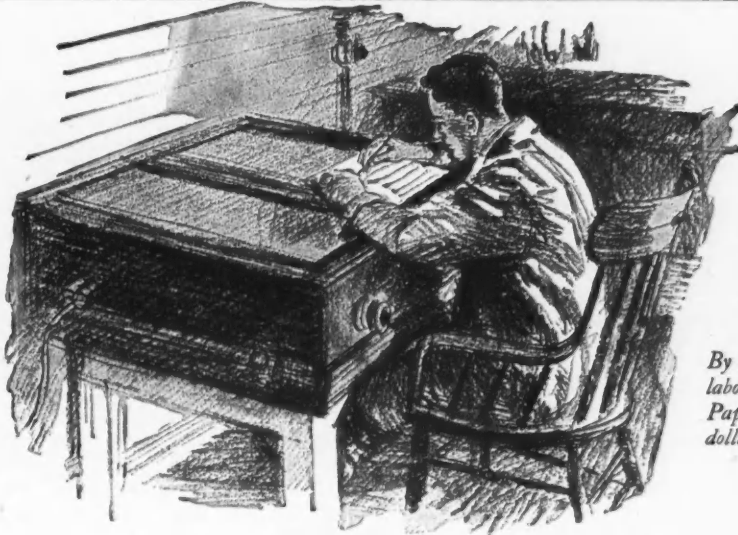
As long as the manufacturer himself is in doubt about his paper, he *cannot* assure you of a fair deal. He *cannot* know accurately what he is selling you; you *cannot* know what you are buying.

But once the properties, the qualities, the costs of paper are scientifically determined, standards are established. And standards are your protection. You have then definite basis for judgment.

Our efforts toward standardization of paper are discussed in detail in our book, "*Discovering New Facts about Paper.*" A copy will be mailed you on request.



AMERICAN WRITING



**HOW MUCH DIRT IN THAT
LOT OF PULP?**

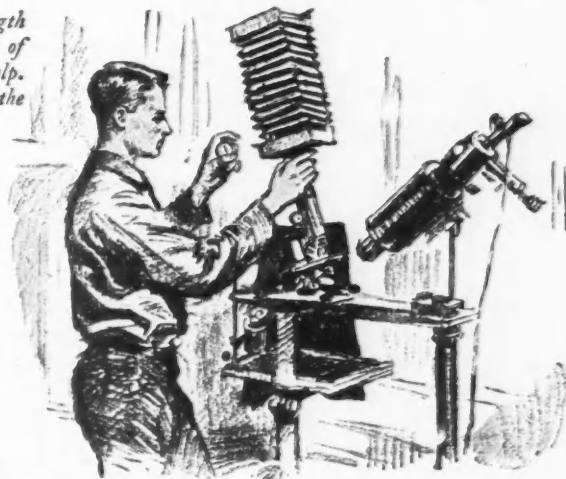
By appraising wood-pulp for dirt, the laboratory of the American Writing Paper Company has saved hundreds of dollars per car

**SUBSTITUTING A CAMERA
FOR THE EYE**

Determining the average fibre length and the percentage of the mixture of fibre lengths, in a given sample of pulp. This is but one of many uses of the microphotograph

**ESTIMATING THE FIBRE
CONTENTS OF PAPER**

Microscopic tests are conducted by the laboratory in order to match paper for customers as well as to standardize and classify papers



**How the advice of Science raises
quality and increases efficiency**

Experts in the American Writing Paper Company's Laboratory discovering the scientific basis of paper-making.

PAPER COMPANY

Editorial

Vol. LXX. New York, January 1, 1920 No. 1
FORTY-EIGHTH YEAR

Happy New Year

THE PAPER TRADE JOURNAL takes this opportunity of wishing its friends the compliments of the season. It hopes that the year which is just beginning will bring an abundance of prosperity to them all.

No Need to Curtail Export

It is understood that the subcommittee which was appointed a few weeks ago, as already announced in the PAPER TRADE JOURNAL, to look into the export policy regarding news print paper by the State Department has made its report to the department.

Officials of the committee and the department refuse to discuss the situation, but it is believed that the committee has recommended to the department that the export of news print paper should not be curtailed. The recommendation is based, it is believed, on the fact that the exports of news print paper are very small in comparison with the output in the United States. The fact is also brought out, it is understood, that the exports of print paper are not even now as great as the imports and that the exports have not increased to any appreciable extent.

The committee also believes, it is said, that the American news print manufacturers have had trouble in building up a foreign market for their product and it would be unwise to cut this trade short at this time. It is felt further that if the export of news print paper was cut off, this might affect other commodities, putting American exporters in a bad light. The fact is also brought out, it is understood, that even if America cut off the exports of print paper the foreigners could buy from Canada and outbid American publishers in that market, thereby allowing the Canadian manufacturers to build up a good news print export business at the expense of the American manufacturers. The recommendation is made by the committee, however, it is believed, that the American exporters should urge their customers to use as small an amount of print paper as possible because of the present shortage in this country.

While the report of the committee to the State Department is not available for publication and probably will not be, it will be encouraging to many members of the industry to have this early intimation that the Government will not interfere in a matter which does not require Government regulation, especially when such regulations would be certain to work grave harm to the industry in the years to come.

Should Not Sell Radical Press

During the war the War Industries Board, in order to save all the available man-power for the most beneficial use, classified the industries of the country into groups labeled "essential" and "non-essential" industries.

With very little change, the system of classification could be applied by both manufacturer and jobber to the users of news print. For it is generally conceded that there is a certain class of publication that is not only unessential, but undesirable. This paper is the radical, the destructive instead of constructive publication.

If every jobber of news print would act as a war industries board, and would classify his prospective customer as to the desirability of his production, he would be doing two things—he would be saving some of the badly needed news print for consumption by the small Western publications which are truly essential units to small communities, and would at the same time be aiding law and order, industry and peace, by the slow eradication, by starvation, of the undesirable press.

Then, too, there are publications, which, while not anti-American, bear a very close family resemblance, at least as far as the complexion goes, to the radical papers.

But this means considerable effort on the part of the jobber or manufacturer, for he must not just sell to any customer that will pay his price; he must sell to some reputable publication which shakes neither the political nor moral foundations of society. And, if such an attitude is to be taken by the men of the industry, now is the time to do it, for the jobber can do it with very little risk of a financial loss to himself, as news print, or any kind of print paper, is so in demand that there is a plentiful market among the essential publications.

Need for Strict Economy

If America is to avoid a repetition of the panics, riots and economic disturbances which followed the Civil War, present habits of extravagance must be substituted by strict economy, saving and safe investment, according to William A. Day president of the Equitable Life Assurance Society. In an address to the annual convention of Life Insurance Presidents, Mr. Day declared that we must not wait for adversity to teach us the necessity for thrift and retrenchment.

"A period of inflation, of speculation and of high prices followed that war," he continued. "The extraordinary demand for labor had increased wages abnormally. A frenzy of extravagance seized people in all walks of life. Nearly everyone seemed willing to spend and but a few were willing to save their surplus earnings.

"Our people were finally brought to their senses by the great panic of 1873 which resulted in immense losses, the prostration of business and an enormous army of unemployed people, all of which finally led to the great railroad strike and the acts of pillage and destruction of 1877. Our battle with improvidence at least for the immediate future must be planned with due regard to all extraordinary conditions.

"With so many people abandoning the saving habit and spending what they have for pleasure and luxury, with production far behind the heavily increasing demand, with a labor shortage and no sign of alleviating it—with these and other factors still operating to maintain the high cost of living, the imperative need of the hour is an extraordinary effort to spread the gospel of thrift and saving among the people."

It is for the very purpose instanced by Mr. Day that the thrift

and savings campaign of the Savings Division of the Treasury Department has been inaugurated. It is the object of that campaign, through elimination of waste, curbing of extravagance, regular savings and investment in sound Government securities, such as War Savings Stamps, Treasury Savings Certificates and Liberty Bonds, to make thrift a national habit throughout the nation.

Forest Industries Questionnaire

Information concerning a special forest industries questionnaire covering pulp and paper manufacturing and associated business has been issued by the American Paper and Pulp Association, which states in part:

"In the announcement of the fall business conference of this association, held November 14, 1919, it was stated that consideration would be given to special features of the Income Tax Law as it relates to paper and pulp mills. Attention was called to this particular matter because the Treasury Department had requested the association to assist in the building up of a questionnaire relating to pulp and paper mills.

"After the discussion the association decided to appoint a committee to meet with the officials of the Treasury Department to consider the proposed questionnaire. This committee consists of: George W. Sisson, Jr., president Racquette River Paper Company, Potsdam, N. Y.; F. H. Macpherson, Detroit Sulphite Pulp & Paper Company, Detroit, Mich.; F. L. Bell, Glens Falls, N. Y.; W. J. Raybold, secretary D. D. Rising Paper Company, Housatonic, Mass.; W. L. Edmonds, secretary-treasurer Wausau Paper Mills Company, Brokaw, Wis.; J. P. Sill, assistant secretary and treasurer Wausau Sulphate Fibre Company, Mosinee, Wis.; J. C. Schmidt, president Schmidt & Ault Paper Company, York, Pa.; B. E. Hutchinson, treasurer American Writing Paper Company, Holyoke, Mass.; G. A. Ware, News Print Service Bureau, New York City; George E. Nelson, secretary West Virginia Pulp and Paper Company, New York City; H. R. Weaver, International Paper Company, 30 Broad street, New York City.

"The committee met at the offices of the association on November 15, 1919, and elected F. H. Macpherson as chairman. The questionnaire that had been proposed by the Treasury Department was considered as fully as possible in the time allowed, and it was thought advisable to appoint a sub-committee to further deal with the matter. This sub-committee consisted of: F. H. Macpherson, George W. Sisson, Jr., Frank L. Bell.

"The conference with the Treasury Department officials resulted in a practical agreement to strike from the proposed questionnaire all information asked regarding cost of inventories and operating costs, and to call for only such information as is necessary to show the value of paper and pulp mills as of March 1, 1913, and costs of betterments after said date, and also for income from sale of such property. The inventory values to come from the reports now required and provided for in the annual Income Tax Reports.

"The conference adjourned with the understanding that:

"(a) Mr. Surface would immediately begin rebuilding the questionnaire and would meet with H. R. Weaver and Mr. Bell in New York this week.

"(b) As soon as the questionnaire is revised a copy will be sent to each member of the committee.

"(c) Mr. Surface will meet the sub-committee at the office of the American Paper and Pulp Association, 18 East 41st street, New York, on January 6, 1920, at 10 a. m.

"(d) Major Mason and Mr. Surface will meet with the whole committee at 10 a. m., Wednesday, January 21, 1920, on the Roof Garden of the Waldorf-Astoria Hotel, New York City.

"Up to this time the sub-committee has considered the matter with the object of developing it to a point where the industry as a whole can pass upon the question of its necessity. We have no

desire to take any action that is not entirely agreeable to the whole industry, and, for that reason, urge the presence of representative mill owners and executives at the meeting to be held in New York on January 21, 1920, at which the principal officials of the Government charged with this matter will be present, and at which time the details of the questionnaire, so far as they have been worked out, will be presented. Will you kindly reply at once on the enclosed card."

River Raisin Co's Saving Plan

MONROE, Mich., December 29, 1919.—The River Raisin Paper Company on the day previous to Christmas issued an announcement to its employees which in part read as follows:

"In keeping with their usual custom, the officers of the River Raisin Paper Company are happy to be able to again extend to you as a River Raisin employee the season's greetings and the very best of well wishes for Nineteen Twenty.

"They are also especially pleased to congratulate the employees who are this year completing the five-year savings agreement and are receiving with this letter, besides a day's pay, a certificate of deposit for fifty dollars. You have done well in this and we hope that the money you have saved will now be of some real good benefit to you.

"In the future you will be under no obligations to us to save weekly, but, nevertheless, we shall give you at each Christmas time (as long as you remain in our permanent employ and provided the business will justify it) a day's pay and fifty dollars. This applies to all employees who complete the five years of saving.

"It might be well to say here that we sincerely hope that all of those completing the compulsory saving will continue to make their weekly deposits regardless of their not having to do so in order to get the fifty dollars. A record will be kept on this, as in the past, and we shall be disappointed if this does not show up as well as it has heretofore."

Big Paper Mill for Port Angeles

A press dispatch from Vancouver, B. C., says: "George F. Whalen, formerly general manager of the Whalen Pulp & Paper Company here, announces that he has been successful in making arrangements to build a large paper plant capable of handling 10,000 tons of pulp annually at Port Angeles. The company has been organized as the Washington Pulp & Paper Corporation and will have \$4,000,000 capitalization.

"Early in January work will commence on construction of the plant, which will buy all its pulp from British Columbia pulp mills and thus avoid the duty on taking the finished product into the United States."

EDWIN BUTTERWORTH & CO.

MANCHESTER, ENGLAND

Packers of all kinds of

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

83 Sole Agents HAFSLUND

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Boston Office, 136 Federal St. New York Office, 132 Nassau St.

CHARLES H. WOOD, Sr. U. S. Mgr. LEWIS JENNINGS, Manager

"WATERBURY"

W Felts-Jackets W
ORISKANY, N. Y.

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

1869 } MADE ONLY AND } 1918
GUARANTEED BY

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

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.

Getting Maximum Strength

Question No. 2460. Will you kindly advise me what can be done on a Fourdrinier paper machine to get the maximum strength on a sheet of paper? In other words, given a certain quality of stock and without having further recourse to regulation by beaters or jordan, what can be done on the machine to make this paper as strong as possible?

Answer No. 2460: The first thing to be considered is the formation of your sheet; this is the most important point in obtaining the greatest amount of strength in your paper. The proper adjustment of your slices, the proper amount of water and the adjustment of the shake are the principal factors in getting the formation just right. The object to work for in regulating the water and adjusting the slices is to get your stock traveling onto the wire at just the right speed, not too fast and not too slow. It must be exactly right or you cannot get the proper formation to give you the greatest amount of strength. It is possible to increase the pop test on a medium sheet of paper from five to ten points and sometimes more by the proper adjustment of slices which have been incorrectly set, causing a poor formation, either by having the stock come onto the wire too fast or too slow. The shake can be more easily adjusted by experimenting, and there is always a happy medium which gives the best results in this regard, and should be looked for until found.

Now as you are tied down to a given stock, we will have to eliminate any talk about slow or free stock, other than to say it is necessary to have your stock as cold as possible. Do not use steam in it unless it is absolutely necessary. I should say that in getting your formation exactly right you have done about 75 per cent of all that can be done. The other 25 per cent lies in pressure at the wet end, that is, carrying all the weight on your presses that the felts and paper can possibly stand, slack draws, especially the wet end draws, drying and calendering.

The slower a sheet of paper is dried up to a certain point, the stronger it will be, but as you probably have a certain production to get off, the only places you can help this is by getting every drop of water possible out of the paper at the wet presses before it strikes the dryers (thus heavy weighting of the presses serves the double advantage in getting strength, namely, reducing forced drying to a minimum, and pressing the fibres more compactly) and by throttling down the steam on the first three dryers, with the object in view to gradually dry the paper, that is, to have the first few dryers comparatively cool, and the last ones sufficiently hot to furnish the drying. Calendering will increase the strength of nearly all grades of paper, therefore you will increase the strength of your paper by giving it all the calendering that the specifications will allow.

Guiding Dryer Felt

Question No. 2475: Can you give me some rule through your Question and Answer column how a dryer felt will guide on a hitch roll? If I tighten the back side of the stretch roll on the

top dryer felt, the felt will go to the back side, and if I do the same on the bottom dryer felt, the felt will come to the front. This has got me all confused. Can you tell me the reason for this and give me a rule to go by?

Answer No. 2475: A good rule to remember when you wish to know which way the dryer felt will go when only one side of the stretch roll is moved, is this: Stand the way the dryer felt is traveling and then imagine yourself driving a horse, the dryer felt will act the same as a horse would when the rein is pulled either side. But when the stretch roll on the dryer felt is working in conjunction with an automatic stretch roll, such as those which are hung in swinging arms and are held by weights, then the tightening or slacking of your stretch roll on one side may give you different results than when the stretch roll is pulling off a fixed hitch. For instance, suppose you tighten the back side of your stretch roll on the top dryer felt, your automatic take-up roll will move also; this will give you quicker action, because the two rolls are moved and your dryer felt goes quickly to the back side. Now you look at the bottom dryer felt and decide you will send that to the back a bit, also, and you reason that you can accomplish this by tightening up the back side, but for some reason you chose to tighten it up by hanging more weights on the back side of the automatic stretch roll instead of screwing up the regular stretch roll, then this is where you get all confused, for to your amazement, instead of the dryer felt going back it comes front. This is explained by the fact that your stretch roll on the bottom felt was moved in the opposite direction from that on the top felt, although both felts were tightened on the back side. That is the difference between tightening your felt by means of the automatic stretch roll and the regular stretch roll. The rule mentioned above is rather unreliable owing to the inability of some to decide which way the horse is going, so perhaps the following rule will be more definite:

1. When the hitch or stretch roll is turning to the right and the felt is going over the top of the roll, the felt will run to the slack side.
 2. When the hitch or stretch roll is turning to the right and the felt is going under the roll, the felt will go to the tight side.
 3. When the hitch or stretch roll is turning to the left and the felt is going over the roll, the felt will run to the tight side.
 4. When the hitch or stretch roll is turning to the left and the felt going under the roll, the felt will run to the slack side.
- In cases where your stretch roll moves vertically and you are undecided as to which way the felt is going, lower the roll in your mind's eye, to the bottom of the post, this puts the roll in the same position as a horizontal stretch roll, and will give you a clear vision as to how the felt is traveling on the roll.

Arrowhead Mills, Inc., of Fulton, N. Y., have been granted a license to do business in Ontario and expend the sum of \$30,000. They are empowered to own timber lands and manufacture and deal in pulp and paper.

We believe that American business can be lifted from its present uncertainty only by constructive co-operation—the substitution of intelligent competition for blind, destructive competition.

NOT PENALIZING THE BUYER

Products of an industry, manufactured and sold under "open market" conditions, must change hands at prices recognizing each varying measure of service and quality, thus enabling the buyer to exercise his intelligence and ability, while stimulating competition among producers by demonstrating true values rather than by working to conceal the lack of them.

BUT HELPING HIM

By the emphasis thus thrown upon service and quality rather than price, the buyer is definitely benefited, because his skill as a buyer rests more heavily upon the work done by the wires than upon the price he pays for them. Furthermore, he is able to buy on an "open" or known, instead of a blind market.

Questions are welcome.

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Directed by Armstrong Bureau of Related Industries

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Recent Incorporations

NATIONAL PAPER PRODUCTS COMPANY, Wilmington, Delaware; Manufacture of paper machinery and paper products; capital, \$500,000.

I. SEIGAL BAG COMPANY, INC., Portland, Maine; wholesale and retail business in bags, burlap, paper, iron, metals and all kinds of junk and do all things incidental. Capital, \$10,000.

ENVELOPE CORPORATION, San Francisco, California. Capital, \$250,000. W. B. Emerson, President; Geo. W. Hall, Secretary-Treasurer.

ATLAS PAPER STORES AND WASTE COMPANY. Capital, \$50,000. Incorporators, Philip S. Choesser, John M. Jones, Frank La Prette, all of Philadelphia.

EMPIRE SIZE AND CHEMICAL CORPORATION, Rensselaer, New York; Manufacture coating and paper mill supplies. Capital, \$100,000. Incorporators: W. Robertson, 48 South Main street, and E. MacIntyre, 4 Clinton avenue, Albany; C. P. Fritte, Easton, Pa.

THE C. A. ANTHONY CORPORATION, Manhattan, New York; paper goods. Capital, \$10,000; L. Rothfeld, L. Reich, Jr., N. McKinnon, 141 Broadway.

THE KENYON COMPANY, INC., Wilmington, Delaware. The business of stationers, printers, etc. Capital, \$300,000.

RAINBOW PAPER CORPORATION OF NEW YORK, Manhattan, New York. Capital, \$100,000. Incorporators: A. Barron, D. Diamond, W. Catlin, 3569 Broadway.

THE NATIONAL TAG MANUFACTURING CORPORATION, Manhattan, New York. Capital, \$50,000. Incorporators: A. Sussemihl, G. A. Wallin, J. J. Gossel, 5512 Seventh avenue, Brooklyn.

SELECT PRINTING COMPANY, INC., Manhattan, New York. Printing, stationers. Capital, \$300,000. Incorporators: I. Lipshitz, H. Lipshitz, 80 Lafayette street; C. Trosk, 52 Broadway, New York City.

CONSUMER PRINTING & PAPER COMPANY, Cincinnati, Ohio. Capital, \$10,000. Incorporators: G. C. Biehle, Edward J. Biehle.

Sorg-Oglesby Interests Remember Employees

MIDDLETOWN, Ohio, December 23, 1919.—Christmas cheer came in a substantial way today to the 300 employees of the Paul A. Sorg Paper Company and W. B. Oglesby Paper Company, allied paper manufacturers, when they were presented with gift checks calling for amounts based upon their length of continuous service and their present rate of pay, says the *Middletown Journal*.

With each check was a neatly printed card on which appeared this greeting from their employers:

"The officers of this company appreciate the efforts of the employees to aid in making our business successful. That appreciation is expressed by the contents of this envelope—the Christmas gift of the company to you.

"The amount of this gift is based, first, upon the length of time of your continuous service with the company, and, secondly, upon your rate of pay. Those who have given years of continuous service to the company will see by the amount of the gift that the officers know of and are appreciative of such loyalty.

"Men who went forth into the army or navy in our late emergency will observe that their service is regarded as if it had been continuous.

"We wish you a merry Christmas and hope that with your cooperation we may all enjoy a prosperous New Year."

This splendid gift came as a happy surprise to the employees of both plants and reflected in no mean way the companies' appreciation of their employees' loyalty.

Today, each employee, no matter if he or she has been in the employ of either of the companies for one day or for 20 years or

more, was thus remembered. The amount was graduated on a basis of the present rate of pay and upon the length of time they have been continuously connected with their present employers.

The amounts paid range from \$3.45 to an employee whose service has continued 30 days or less, up to \$336 to some whose service has continued twenty years or more.

It is significant that fifty employees have worked at these plants continuously for more than five years, twenty-five for more than ten years, four for more than twenty years and one man is now in the fiftieth year of his employment with the Oglesby company.

A pleasing feature of this plan is the fact that those men who entered the service of their country in the World War are regarded as having been in continuous service of these companies, although some were absent from their work for more than a year. This, indeed, is practical patriotism.

The idea is a new one for the Sorg-Oglesby interests and is a splendid manifestation of the unselfish generosity of the men at their head. It is a just recognition for meritorious service efficiently and loyally given by those who with their brain and brawn have contributed to the advancement of the companies' trade and prestige.

Another evidence of the humanitarian touch these companies maintain with their employees is the fact that during the past year they have inaugurated a group insurance plan whereby the life of every person who has been in the employ of the company more than two months is insured for an amount in proportion to the length of time that he or she has been in the companies' employ. Those who have been employed for two months and up to one year are insured for \$500; from one year up to two years for \$600, and in that ratio up to a maximum of \$1,000. The companies assume the entire expense for this insurance which does not in any way have any bearing on the rights of each employee under the compensation law. In addition to the life insurance idea, there is a total disability plan. To anyone under 60 years of age becoming totally disabled, this insurance will be paid in installments up to the full amount of the policy as long as the person is alive, the balance due on the policy at the time of death being paid to the beneficiary.

This insurance is in force only while the person is in the employ of the companies and does not in any way affect the right to quit the employment at any time, or the right of the companies to discharge any employee.

In all, these unique schemes unite to form just another evidence that the industries of Middletown ever hold the welfare of their employees at heart and that in every sense of the word they are "industries with souls."

Miami Valley Paper Mills Busy

[FROM OUR REGULAR CORRESPONDENT.]

DAYTON, Ohio, December 29, 1919.—The new year apparently is destined to be a record-breaker in the matter of business unless unforeseen complications arise, according to the best opinion on the subject. Miami Valley mills have had an abundance of business during the year just closed. It has been the most successful from the standpoint of volume and profits, in the history of the trade.

Probably never before have deliveries been slower and more uncertain, however, and this feature of the business is discouraging. Tradesmen are hoping for a favorable change.

Another bugaboo is the possible shortage of fuel, despite the resumption of mining activities. The scarcity of coal cars is believed to be largely responsible.

Paper prices are still soaring and mill men admit that in the matter of quotations, war price lists are not "in it." Not only the manufacturer, but the jobber and dealer are facing high prices and a growing shortage of raw materials.



Exact Size, 8 x 9 inches—Outside Measure

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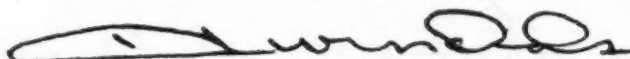
Nov. 24, 1919.

To The Trade:—

We wish to announce that we have appointed the C. L. LaBoiteaux Company exclusive sales agent for the product of our Crescentville Ohio plant.

All communications pertaining to the sale of the Crescentville product should be addressed to the C. L. LaBoiteaux Company whose offices are in Cincinnati, Chicago, Cleveland and New York City.

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 C. JOHN BEEUWKES, 626 Equitable Building, Baltimore, Md.
 RECEIVERS

RECEIVERS' SALE of All Lands and Buildings, Plant and Equipment of the Baltimore Roofing and Asbestos Manufacturing Company

AT ASBESTOS, CARROLL COUNTY, MD.

JANUARY 5th, 1920

By virtue of an order of the Circuit Court of Baltimore City, passed on the 28th day of October, 1919, in the case of Oliver R. Emigh, et al., vs. Baltimore Roofing and Asbestos Manufacturing Company, the undersigned Receivers will offer for sale at Public Auction, all of the real estate, plant and equipment of the Baltimore Roofing and Asbestos Manufacturing Company at the main plant of the Company.

ASBESTOS, CARROLL COUNTY, MD.,

On Monday, January 5th, 1920,

At 11 o'clock A. M.

The Factory site is located on the Western Maryland Railroad, about 24 miles from Baltimore City and 19 miles from the Harbor of Baltimore City along the main line of the Western Maryland Railway, and on the direct line of the Western Maryland to Pittsburgh and the west, and contains 19 acres, 3 rods and 18 square perches more or less, has Rights-of-Way to and from the Plant connecting with the County Road, leading from Finksburg to Asbestos Station.

The Patapsco River flows through the entire length of the property, and furnishes a reliable supply of pure water. There are some 1830 feet of excellent railroad siding.

Improved by concrete and steel construction building 867 feet long by 54 feet wide, and concrete and steel constructed general warehouse 31 by 390 feet and a frame executive and sales office building, with vault 32 x 50 feet, and also power houses, machine shops, storage buildings, laboratory, paint plant, motor houses, rag rooms, carpenter shops, garage and water system building, the whole constituting a modern and thoroughly equipped asbestos, paper mill, felt mill and roofing plant.

The Plant is equipped with the most modern machinery for the manufacture of roofing papers, felts, asbestos paper, and mill board, and a full description may be had upon application to the Receivers or Auctioneers.

TERMS OF SALE

All of the foregoing property will be offered as a whole, but the receivers reserve the right in their discretion to reject all bids and also to offer the various items of machinery, plant, equipment, land and improvements separately. In the

event of sale as an entirety a cash deposit of \$30,000.00 will be required on account of the purchase price, and the balance, all cash, on ratification of the sale, or, at the option of the purchaser, one-third cash (the aforesaid deposit of \$30,000.00 to apply on account of same), and the balance in six and twelve months, provided deferred payments be secured to the satisfaction of the receivers. All deferred payments to bear interest at 6 per cent per annum from date of sale.

If the various items are sold separately, the terms of sale as to the items of machinery and equipment will be all cash at the time of acceptance of bids, and in that event the machinery and equipment must be removed by the purchasers from their present location in the plant within 30 days from date of sale, and damage to the property caused by the removal replaced at the cost of the purchasers.

In the event of such separate sale, the purchaser of the aforesaid land and improvements will be required to make a deposit of \$10,000.00, and the balance, all cash, on ratification of sale, or, at the option of the purchaser, one-third cash (the aforesaid deposit of \$10,000.00 to apply on account of the same), and the balance in six and twelve months, provided deferred payments be secured to the satisfaction of the receivers. All deferred payments to bear interest at 6 per cent per annum from date of sale.

The various items will be set forth in greater detail in the catalogue of the auctioneers, to be distributed on the date of sale. Those desiring earlier knowledge thereof can obtain same by inquiring of the receivers.

All taxes and other public dues and charges, if any, to be adjusted to the date of transfer.

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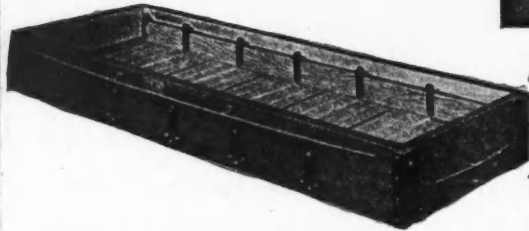
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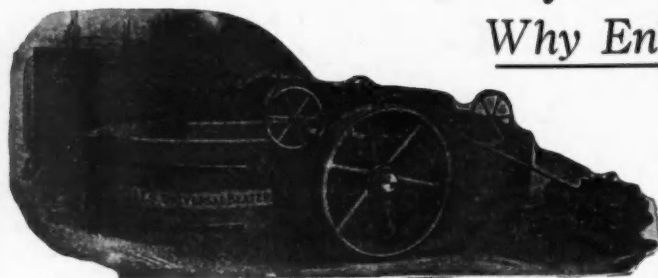
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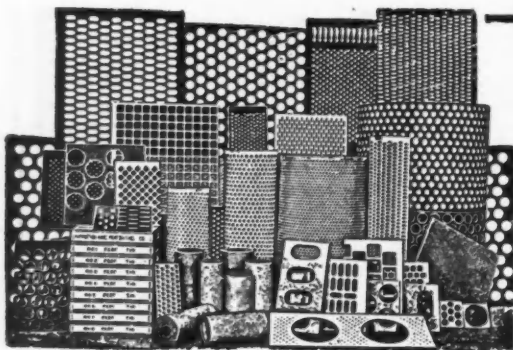
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In all widths up to 250 inches

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WASHER WIRES

In Brass, Bronze and Phosphor Bronze

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

*Rags, New Cuttings, Bagging, Etc.
Chemicals of All Descriptions*

New York—347 Madison Ave.

BRANCHES:
Stockholm—Sweden
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Holyoke—J. B. Woodruff, Inc.
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Dayton—R. R. Reed

Van Noorden Skylights

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Means twice the work done.



are as
Indispensable

To a modern Paper Mill as its important inner equipment. "DAYLITE" means Nature's light without weather or condensation drip.

E. VAN NOORDEN & CO. 103 Magazine St. Boston, Mass.

New York Market Review

OFFICE OF THE PAPER TRADE JOURNAL,
WEDNESDAY, December 30, 1919.

Although the year is rapidly drawing to a close, and publishers and printers are loth to stock up heavily just now, as they do not wish the purchases to be recorded on this year's inventory, there seems to be little abatement to the demand for paper this week.

News is showing the most marked decline in demand. As most of the holiday advertising is at an end, and next year's advertising campaigns are not yet started, the demand for spot news is not what it has been for the past six months. Although there are no declines in price, publishers seem to be marking time, and are using the supplies that they have on hand. Spot news is now being sold for 9.009, and there are no immediate prospects of increases.

There is little abatement in the book paper demand, and the market seems to be as strong as ever. Prices are changing from day to day, and almost all orders are being taken subject to acceptance by the mill, and at the prevailing price at the time of delivery. Publishers in New York seem to be just getting back into their stride since the printers' strike, and the demand for C. and S. C. and M. F. is very strong. In fact, several increases in price have been made this week, for book cased, S. and S. C. is now quoted as high as 11c. to the jobber, and M. F. as high as 10.50c.

There is a marked let-up in the coarse paper market this week, although it is not expected to last long. Boards are still in strong demand, and no changes in price are expected in either the coarse paper on board markets before the first of the year.

Fine papers, including ledgers, bonds and writings, are all showing the holiday quietude customary at this time of the year, and heavy orders are very few in these lines.

Mechanical Pulp

There is very little activity in the mechanical pulp market this week, due partly to the scarcity of available pulp and partly to the general let-up in business activity peculiar to this time of the year. There seems to be very little speculation in ground wood just now, and prices seem fixed at the high quotations last week, \$55@60.

Chemical Pulp

The chemical pulp market has been unruffled for some time, and is now showing the characteristic quietude of the times. Trade, while it is not poor, is considerably less active than it was last week, and few large orders are being recorded. Prices have been the same, as a general rule, for about a month, and, although there have been rumors of unusually high priced sales, no reliable information has been received on which the market could be based. Trade is expected to maintain its smoothness during the next month, at least, and no unusual changes are anticipated for the near future.

Rags

The rag market is acting just the opposite from the rest of the markets and is showing an unusual strength this week. Prices on several grades have advanced again this week, despite the increases recorded two weeks ago, and demand for all grades of rags is fairly strong. Dealers report that they are having no difficulty in disposing of all grades available, and that the market is showing strength quite unusual during the holiday season. Whites, number 1 and 2, are in strong demand, and slight increases in price have occurred, both for the repacked and the miscellaneous varieties. Thirds and blues, too, have advanced slightly.

Old Ropes and Bagging

Like the rag market, the old rope and bagging market is still showing the strength that characterized it last week. Slight increases in the price of domestic and foreign gunny No. 1 have occurred, and trade is reported as quite active for this season.

The activity of this market proves that the mills have been buying from hand to mouth for some time, and that they have no surplus stocks on hand for emergency.

Paper Stock

Demand in the waste paper market is showing a very slight decline this week. Trade is not at all weak, but the strength that characterized it last week has somewhat diminished. Despite this fact, there have been slight advances in the price of ledger stock and No. 1 and No. 2 old manilas.

Twine

Trade in the twine market has fallen off slightly, but it is accredited entirely to the holiday spirit, and no effect on prices is expected. Twines have been at top prices for some time, and demand has been very strong.

Good Opportunity for Paper Trade in China

The Consul General at Hongkong, China, has just made a very interesting report on the paper and stationery trade at that place to the State Department. He says:

"The trade is large and merits attention, the imports of news and other foreign papers exceeding a million and a half dollars in value last year. Previous to the war the greater portion of the trade in paper of all grades was with Europe—the news print grades from Scandinavian countries through Great Britain and Belgium and the better grades from continental Europe, though the United States for years has supplied a fair amount of fine book papers and similar goods. In the line of paper supplies Japan has been in the Chinese market as the heaviest factor ever since the outbreak of the war in spite of the fact that it has not been manufacturing much of the goods sold. By large purchases and especially by favorable freight rates, however, the Japanese paper importers have been able to re-export to China and undersell American exporters shipping goods direct. With the change in the Pacific freight situation which has come in the past few months, however, there has developed a strong demand for American made paper exported direct.

The Japanese manufacturers have been able to secure the immensely larger portion of the newspaper trade not only because they manufacture it in Japan, but especially because they are willing to manufacture it in sizes and weight to suit this market.

A very large share of the news print papers and all similar papers are used for dyeing red and sold to the Chinese for their letter writing.

American paper manufacturers have an exceptional opportunity to get into the trade in these cheaper papers at the present time. American trade in fine writing papers, bonds, linens and the fine goods generally is increasing, and there is every reason to anticipate that it will continue to increase satisfactorily.

American writing paper manufacturers and manufacturers of stationery and similar goods can advance their trade materially by a more liberal advertising campaign than has been carried on in the far East. There is a very attractive field for their goods here at the present time.

Made Superintendent of Gill Division

[FROM OUR REGULAR CORRESPONDENT.]

HOLYOKE, Mass., December 29, 1919.—Carl Magnus, assistant superintendent of the Crocker Manufacturing Company, division of the American Writing Paper Company, has been made superintendent of the George C. Gill Paper Company, division. He succeeds Charles Robinson, who has associated himself with a firm in New Jersey.

Ernest Bush, who with Mr. Mangus went to Argentine, South America, two years ago and established a paper mill for the South American Government, where paper is being made from grass, has been promoted to night foreman at the Crocker division.

Market Quotations

Paper Company Securities

New York Stock Exchange closing quotations, December 30, 1919.

Table of Paper Company Securities including American Writing Paper Company, International Paper Company, and Union Bag & Paper Corporation.

Table of Paper products (F. o. b. maker) including Bonds, Ledgers, Writing, Superfine, Tub Sized, Engine Sized, News-f. o. b. Mill, Rolls, Sheets, Side runs, Book cases, S. & S. C., M. F., Coated and Enamel, Lithograph, Tissues, White, Manila, Kraft, Anti-Tarnish, and Screenings.

Table of Cottons and Foreign Rags including New Unbleached Washables, Fancy, Cottons according to grades, Blue Overall, New Blue, New Black Soft, New Light Sec-onds, Khaki cuttings, Corduroy, New Canvas, New Black Mixed, White, No. 1, Repacked, Miscellaneous, White, No. 2, Repacked, Miscellaneous, St. Soiled White, Thirds and Blues, Repacked, Miscellaneous, Black Stockings, Cloth Strippings, Roofing Stock, No. 1, No. 2, No. 3, No. 4, No. 5A, B, C.

Table of Mechanical Pulp (F. O. B. Pulp Mills) including No. 1, f. o. b. Mill.

Table of Chemical Pulp (Ex-Dock, New York) including Sulphite (Foreign) and Sulphite (Domestic).

Table of Domestic Rags including Shirt Cuttings, New White, No. 1, No. 2, Silesias, No. 1.

Table of Foreign Rags including New White Cuttings, Unbleached Cottons, Light Flannelettes, New Light Silesias, New Light Oxfords, New Light Prints, New Mixed Cuttings, New Dark Cuttings, No. 1 White Linens, No. 2 White Linens, No. 3 White Linens, No. 4 White Linens, Old Extra Light Prints, Ord. Light Prints, Med. Light Prints, Dutch Blue Cottons, Ger. Blue Cottons, Ger. Blue Linens, Checks and Blues, Dark Cottons, Shoppery, French Blues.

Table of Bagging including Gunny No. 1-Domestic, Foreign, Bright Bagging, No. 1 Scrap, Sound Bagging, Wool Tares, light, Wool Tares, hvy, Manila Ropes, Foreign, Domestic, New Bu. Cut., Hessian Jute, Thirds, Mixed Strings.

Table of Twines including India, No. 6 basis-Dark, Light.

Table of Paper products including B. C., 18 Basis, A. B. Italian, 18 basis, Finished Jute, Dark, 18 basis, Light, 18 basis, Jute Wrapping, 2-6 ply, Extra No. 1, No. 1, No. 2, Tube Rope, 5-ply and larger (basis), 4-ply, Fine Tube, 5-ply and larger (basis), 4-ply, 3-ply, Unfinished India, No. 8 (3-ply and larger), Paper Makers Twine Balls, Box Twine, 2-4 ply, Jute Rope, Amer. Hemp, 6., Sisal Hav., No. 1 Basis, No. 2 Basis, Sisal Lath Yarn, No. 1, No. 2, Manila Rope.

Table of Old Waste Papers (F. o. b. New York) including Shavings, Hard White, No. 1, No. 2, Soft White, No. 1, Colored, No. 1, Flat Stock, Stitchless, Over Issue Mag., Solid Flat Book, Crumpled, No. 1, Solid Book Ledger, Ledger Stock, No. 1 White News, New B. B. Chips, Manila, New Env. Cut., New Cut. No. 1, Extra No. 1 Old, No. 1 Old, No. 2 Old, Bogus Wrappers, Old Krafts, News, Strictly Over-strictly, Strictly Folded, No. 1 Mixed Paper, Common Paper.

CHICAGO

Table of Paper products in Chicago including Mill Price to Jobbers, No. 1 Rag Bond, No. 2 Rag Bond, Sulphite Bond, Cheap Ledger, Superfine Writing, No. 1 Fine Writing, No. 2 Fine Writing, No. 3 Fine Writing, No. 1 M. F. Book, No. 1 S. & S. C. Book, Coated Book, Coated Label, News-Rolls mill, News-Sheets mill, No. 1 Manila, No. 1 Fibre, No. 2 Manila, Butchers' Manila, No. 1 Kraft, No. 2 Kraft, Wood Tag Board, Screenings, Board being sold at price prevailing at time of shipment, Plain Chip, Solid News, Manila Lined Chips, Container liner, 85 Test, 100 Test.

Table of Old Papers in Chicago including Shavings, No. 1 Hard White, No. 1, Soft White, No. 2 Soft White, No. 1 Mixed, No. 2 Mixed, Ledgers and Writings, Solid Books, Blanks, No. 2 Books, light, Ex. No. 1 Manila, Manila Envelope, Cuttings, No. 1 Manilas, Folded News (over issue), Old Newspapers, Mixed Papers, Straw Clippings, Binders' Clippings, Kraft, New Kraft Cuts, Roofing Stock, f. o. b. Chicago, Net Cash, No. 1, 2, 3, 4.

PHILADELPHIA

Table of Paper products in Philadelphia including Wood Pulp Board, Binder Boards, Per ton, Carload lots, Tarrd Felts, Regular, Slaters, Best Tarrd, 1-ply (per ton), Best tarrd, 2-ply (per roll), Best Tarrd, 3-ply, Roofing Rags, No. 1, No. 2, No. 3, No. 4, Bagging, Gunny No. 1-Foreign, Domestic.

(Continued on page 56)

Imports and Exports of Paper and Paper Stock

NEW YORK, BOSTON, PHILADELPHIA AND OTHER PORTS

NEW YORK IMPORTS

WEEK ENDING DECEMBER 27, 1919.

SUMMARY.

Enamel paper, 80 bls.
Drawing paper, 11 cs.
Printing paper, 33 cs.
Miscellaneous paper, 1,004 reels.

ENAMEL PAPERS.

British-American Tobacco Co., New York City, Bristol, 80 bls.

DRAWING PAPER.

American Express Co., Orduna, Liverpool, 11 cs.
Meyercord Co., Orduna, Liverpool, 11 cs.
Oxford University Press, Orduna, Liverpool, 22 cs.
Klepp Co., Isfoud Kristiania, 1,004 reels paper.

CASEIN.

Atterbury Bros., Portfield, Buenos Aires, 1,251 bags.
Kalbfleisch Corp., Portfield, Buenos Aires, 1,700 bags.
T. M. Duche & Sons, Fortfield, Buenos Aires, 1,667 bags.
T. M. Duche & Sons, Lancaster Castle, Buenos Aires, 417 bags.
Kalbfleisch Corp., Lancaster Castle, Buenos Aires, 2,255 bags.

CHINA CLAY.

Hammill & Gillespie, New York City, Bristol, 400 casks, 200 tons.

OLD ROPE.

International Purchasing Co., New York City, Bristol, 68 coils.
Brown Bros. & Co., New York City, Bristol, 490

coils.

Bemis Bros. Bag Co., New York City, Bristol, 203 coils.
E. Butterworth, City of Corinth, Antwerp, 9 coils.

BAGS AND BAGGING.

Ladenburg, Thalman & Co., West Celerons, Antwerp, 533 bales.
Certainteed Products Co., West Celerons, Antwerp, 265 bales.

E. J. Keller & Co., Evelyn, Rouen, 102 bales.
E. J. Keller & Co., Evelyn, Rouen, 252 bales.
Wilkinson Bros. & Co., Evelyn, Rouen, 140 bales.

A. Salomon, Inc., Evelyn, Rouen, 412 bales.
A. Salomon, Inc., Evelyn, Rouen, 32 bales.
E. J. Keller & Co., Bayhead, Alexandria, 360 bales.

W. Schall & Co., New York City, Bristol, 540 bales.

A. Salomon, Inc., City of Corinth, Antwerp, 381 bales.
A. Salomon, Inc., City of Corinth, Antwerp, 916 bales.

Salomon Bros. & Co., City of Corinth, Antwerp, 204 bales.
Equitable Trust Co., City of Corinth, Antwerp, 93 bales.

Equitable Trust Co., City of Corinth, Antwerp, 83 bales.
Wilkinson Bros. & Co., City of Corinth, Antwerp, 120 bales.

E. J. Keller & Co., City of Corinth, Antwerp, 44 bales.
M. O'Meara, City of Corinth, Antwerp, 48 bales.
A. Katzenstein, City of Corinth, Antwerp, 164 bales.

R. F. Downing & Co., Port Chalmers, London, 108 bales.
M. O'Meara, Glenbyon, Alexandria, 180 bales.

WOOD PULP.

Tidewater Paper Mills Co., Bartholomew, Clark City, 4,323 bales.

Tidewater Paper Mills Co., Lake Fillion, Clark City, 11,054 bales.

Tidewater Paper Mills Co., Con Rein, Liverpool, N. S., 5,601 bales.

M. Gottesman & Co., Inc., Rauenfjord, Kristiania, 1,250 bales.

M. Gottesman & Co., Inc., Fred VIII, Copenhagen, 219 bales.

A. J. Pagee Co., Fred VIII, Copenhagen, 1,125 bales.

J. F. Fatton & Co., Fred VIII, Copenhagen, 1,200 bales.

M. Gottesman & Co., Inc., Gustafsholm, 2,125 bales.

BOSTON IMPORTS

WEEK ENDING DECEMBER 27, 1919.

WOOD PULP.

M. Gottesman & Co., Inc., Gustafsholm, 2,200 bales.

BALTIMORE IMPORTS

WEEK ENDING DECEMBER 27, 1919.

WOOD PULP.

M. Gottesman Co., Inc., Fred VIII, Copenhagen, 125 bales.

PHILADELPHIA IMPORTS

WEEK ENDING DECEMBER 27, 1919.

WOOD PULP.

M. Gottesman Co., Inc., Fred VIII, Copenhagen, 500 bales.

Paper Trade Active in Canada

(Continued from page 28)

Company, Toronto, spent the holidays with his parents in St. Thomas, Ont.

John Martin, of Winnipeg, president of the Canadian Paper Trade Association, spent the holidays in Toronto and Montreal, and will visit some of the New England paper mills previous to his return to the West, where he reports that the paper business is booming.

The employees of the Provincial Paper Mills Co., at Mille Roches, Thorold, and Georgetown, those of the Interlake Tissue Mills at Merritton, and of the Port Arthur Pulp & Paper Company, at Port Arthur, Ont., were as a mark of faithfulness and good work during the past year awarded a holiday bonus of five per cent of their wages for 1919. The employees of the Don Valley Paper Company, Toronto, were each given a check for two weeks extra wages as an appreciation of their services.

P. L. Colbert, general manager, and Archie Reid, office manager of the National Paper Company, Valleyfield, Que., spent a few days in Toronto this week renewing old acquaintances in the trade. The plant at Valleyfield is very busy and an addition, 36 x 100 feet, to the finishing department has just been completed, and equipped with cutters, calenders and trimmers, thereby increasing the output.

W. S. Johnston, president of W. S. Johnston & Co., Limited, Toronto, left this week accompanied by his wife, to spend the winter months in the West Indies and South America. Previous to his departure he was presented with a set of marine glasses. Mr. Johnston has been in the paper, printing and publishing business for almost fifty years.

F. E. Jones, of W. H. Sims & Sons, Limited, Christchurch, New Zealand, was in Toronto last week looking into the paper situation

for export. He is chairman of the Importers' Committee of the Associated Chambers of Commerce, N. Z.

The Peterborough Paper Box Company, Limited, Peterborough, Ont., has commenced operations. It occupies a building three stories high, 51 x 24 feet. The manager of the company is Wilfred Hall.

Victory Employees Are Given Bonus Checks

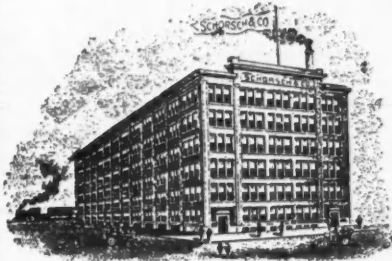
[FROM OUR REGULAR CORRESPONDENT.]

MARINETTE, Wis., December 29, 1919.—Santa Claus made one of his first 1919 visits to Marinette at the Victory Bag & Paper Company's office. President A. M. Pareira, of that company, returned from Chicago to impersonate old Santa. The Yuletide gifts were in the form of checks given to each of the employees. The checks, printed especially for this distribution, bore suitable greetings, and represented in total close to \$5,000. A happy, holiday-spirited working force were these gift recipients. Not a single employee was omitted, regardless of the period of service. The checks ranged from small sums for the recent comers, to as high as \$250 for the older employees.

A novelty in Marinette is the factory alliance, a mutual diversion assembly, with Erickson's Hall as its meeting place. At the alliance meeting, officers were selected for the ensuing year as follows: President, C. W. Sherman; vice-president, C. D. Bowen; Secretary, Miss Edna Duket; treasurer, Leslie Utke. Various committees, such as loyalty, entertainment, etc., will be appointed later.

A. M. Pareira, the general manager, briefly addressed the alliance, thanking the members for their co-operation which made it possible for the company to remember its employees in the way it did. A new set of plans for alliance co-operation for the coming year was enthusiastically adopted.

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PULP & PAPER

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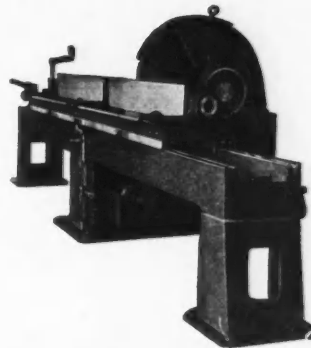
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and Rags

Jute Stock
Sizing, Sulphite
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132 Nassau St., New York

IMPORTERS & DEALERS IN



WOOD PULP

Miscellaneous Markets

OFFICE OF THE PAPER TRADE JOURNAL,
WEDNESDAY, December 31, 1919.

ALUM.—There is very little activity this week in the alum market. Trade seems to have settled down to minimum activity, for the chemical and paper makers' supplies markets have been showing a sluggish attitude over the holidays. Alum is quoted at 4@4.25c. for lump and 4.25@4.50c. for powdered grades.

BLANC FIXE.—Blanc fixe is, like most of the chemicals, rather dead this week. Trade is not heavy, but dealers are expecting it to return to normal immediately after the first of the year. Prices being quoted are \$40@50 the ton, pulped, and 4.50@5c., in powder form.

BLEACHING POWDER.—Bleach has been showing the slight heaviness characteristic of the holidays, and has been rather slow this week. Trade has decreased slightly, but prices are unchanged. A brisk season is looked forward to by bleach dealers immediately after the first of the year. Bleach is quoted at 2.25@2.50c. the pound.

BRIMSTONE.—Brimstone is, if anything, a little quieter than it has been for the past month. Trade has shown no slump, but just the let-up characteristic of all business at the termination of the calendar year. Brimstone is being quoted at its former prices, \$18 for domestic use and \$20 for export.

CASEIN.—The casein market has been practically stationary for some time now and is showing no marked change this week.

Trade is just fair and prices are unchanged. Quotations are 14@14.50 for best grade casein and 13.50@14 for unselected casein.

CAUSTIC SODA.—Dealers in caustic soda, who have been very busy up to the last week, are having a brief respite before the 1920 trade begins. There is a decided falling off in business this week, but an immediate recovery is anticipated after January 1. Caustic soda is bringing 2.75 for 76 per cent caustic at 60 per cent basis, and 3.65@3.75 for spot delivery.

CHINA CLAY.—The china clay market has shown very little effects of the holiday restraint on business, for trade and prices have remained unchanged during the last week. Crude domestic clays are bringing \$7.50@9.50; washed at the mine, \$11@12, and English clays, \$18@24, according to grade.

ROSIN.—The rosin market showed very little change this week, although there was a slight falling-off in the volume of trade. Prices have fallen slightly, paper makers' grades now being quoted at: E, \$18; F, \$18.10, and G, \$18.25.

SODA ASH.—There is a slight decrease in demand and volume in trade of the soda ash market this week. Trade is just fair, while last year it was reported strong. Prices being quoted are the same as last week's, 1.90c. in bags and 2c. in barrels.

STARCH.—Starch, like most of the paper makers' supplies, has been rather inactive this week. Trade is expected to pick up shortly, however. Prices quoted by manufacturers, freight prepaid to New York, in carload lots, per 100 pounds, are: Pearl starch in bags, \$4.97; in barrels, \$5.17. Powdered starch, in bags, \$5.12; in barrels, \$5.31. Finishing starch, in bags, \$5.97. Crystal T. B. starch, 90 fluidity (hand packed), in bags, \$6.07; in barrels, \$6.43. Crystal T. B. starch, No. 90 fluidity (machine packed), in bags, \$5.02; in barrels, \$6.28.

SULPHATE OF ALUMINA.—Trade in the sulphate of alumina market this week is not quite as strong as it was a few weeks ago, when demand far exceeded the obtainable supply. Trade is, however, not slow, and there will probably be a decided strengthening in the market after the first of the year. Prices being quoted are the same as last week's, 1.75@2c. for the commercial grade and 2.75@2.85 for the iron free grade.

Market Quotations

(Continued from page 55)

Scrap Burlaps....	3.00	@	3.25
Wool Tares, heavy	5.20	@	5.50
Mixed Strings....	2.75	@	3.00
Manila Shaving, No. 2	nominal		
Manila Sul., No. 1		@	4.75
No. 1, New Lt. Burlap	10.50	@	12.00
New Burlap Cuttings	4.00	@	4.25

No. 1 Books heavy	2.00	@	2.25
No. 2 Books, light	1.50	@	1.75
No. 1 New Manila	2.75	@	3.00
No. 1 Old Manila	1.30	@	1.40
Old Kraft	2.90	@	3.00
Overissue News..	1.00	@	1.10
Old Newspaper..	80	@	90
No. 1 Mixed Paper	80	@	95
Common Paper..	60	@	70
Straw Board Chip	75	@	80
Binders' Bd. Chip	75	@	80

Old Papers

Shavings—			
No. 1 Hard White	5.50	@	5.75
No. 2 Hard White	4.25	@	4.50
No. 1 Soft White	4.25	@	4.50
No. 2 Soft White	2.25	@	2.50
No. 1 Mixed... 1.50	@	1.75	
No. 2 Mixed... 1.25	@	1.50	
Solid Ledger Stock	2.90	@	3.00
Writing Paper... 2.50	@	2.75	

Rags

Old White	8.00	@	8.50
No. 1	8.00	@	8.50
No. 2	5.00	@	5.50
Blues—			
Thirds and Blues. 4.00	@	4.25	
Black Cotton Stockings	3.50	@	4.00
Mixed ganzies... 3.00	@	3.50	
Lace Curtains... 6.50	@	7.00	
Colored Wiping Rags	9.00	@	9.50
Cotton Quilts... 3.50	@	4.00	
White Cotton Batting	5.50	@	6.00

BOSTON

[FROM OUR REGULAR CORRESPONDENT]

Paper Old Papers

Bonds .....	.13	@	—
Ledgers .....	.18	@	—
Writings—			
Superfine .....	.20	@	—
Fine .....	.17	@	—
Books, S. & S. C. .....	.12 1/2	@	—
Book, M. F. ....	.11	@	—
Book, Coated... ..	.13	@	—
Label .....	.13	@	—
News, Sheets... ..	8	@	—
News, Rolls... ..	8	@	—
Manila—			
No. 1 Manila. 6 1/2	@	6 1/2	
No. 1 Fibre... ..	6	@	6 1/2
No. 1 Jute... ..	12 1/2	@	13
Kraft Wrappings. 9 1/2	@	10	
Common Bogus. 3 1/2	@	3 3/4	
These prices are f. o. b. mill.			
Chip Board (ton) 60.00	@	65.00	
Straw Board (ton) 60.00	@	70.00	
News Board (ton) 65.00	@	75.00	
Wood Pulp Board 75.00	@	87.50	

Shavings—			
No. 1 Hard White	5 1/4	@	5 3/4
No. 1 Soft White	4 1/2	@	4 3/4
No. 1 Mixed... 1 1/4	@	2 1/4	
Ledger and Writings	2.50	@	2.75
Solid Book	2 1/2	@	2 3/4
Blanks	2 1/4	@	2 1/2
No. 2 Books, light	1 3/4	@	2.00
Ex. No. 1 Manila	2	@	2 1/4
No. 1 Manila... 1.50	@	1.75	
Folded News (overissues) ..	1	@	1 1/4
Old Newspapers. .90	@	1.00	
Mixed Paper .....	.70	@	.75
Gunny Bagging... 3 1/4	@	—	
Manila Rope.... 6	@	6 1/2	

TORONTO

[FROM OUR REGULAR CORRESPONDENT.]

Paper

(Mill Prices to Jobbers)

Bond—			
Sulphite	13 1/2	@	—
Light tinted	14 1/2	@	—
Dark tinted	16	@	—
Ledgers	18	@	.30
Writing	13	@	—
News, f. o. b. Mills—			
Rolls (carloads).. 4.00	@	—	
Sheets (carload). 4.60	@	—	
Sheets (l. c. l.).. 4.75	@	—	
Book—			
No. 1 M. F. (carloads)	9.75	@	—
No. 2 M. F. (carloads)	9.00	@	—
No. 3 M. F. (carloads)	8.25	@	—
No. 1 S. C. (carloads)	10.25	@	—
No. 2 S. C. (carloads)	9.25	@	—
No. 1 Coated and litho.	12.75	@	—
No. 2 Coated and litho.	11.75	@	—
No. 3 Coated and litho.	11.00	@	—
Coated and litho., colored	13.00	@	15.00
Wrappings—			
Grey	5.25	@	—
No. 3 Manila... 5.60	@	—	
No. 1 Manila... 7.35	@	—	
Fibre	7.35	@	—
Kraft, M. F. or M. G.	9	@	—

Sulphite, easy bleach- ing	87.50	@	90.00
Sulphite, news grade. 70.00	@	75.00	
Sulphite, bleached... 110.00	@	115.00	
Sulphate	87.50	@	90.00

Old Waste Papers

(In carload lots, f. o. b. Toronto)

Shavings—			
White Env. Cut. 4.75	@	—	
Soft White Book Shavings	4.50	@	—
White Blk News 2.50	@	—	
Book and Ledger—			
Fiat Magazine and Book Stock (old) 2.30	@	—	
Light and Crumpled Book Stock 1.90	@	—	
Ledgers and Writings	2.75	@	—
Solid Ledgers ... 3.00	@	—	
Manila—			
New Manila Cut. 2.75	@	—	
Printed Manilas. 1.35	@	—	
Kraft	3.50	@	—
News and Scrap—			
Strictly Overissue 1.25	@	—	
Folded News... 1.10	@	—	
No. 1 Mixed Papers .....	.90	@	—
Domestic Rags—			
Price to mills, f. o. b. Toronto. Per lb.			
No. 1 White shirt cuttings ..	.15 1/4		
No. 2 White shirt cuttings ..	.11 1/4		
Fancy shirt cuttings... ..	.11 1/4		
No. 1 Old whites... ..	.07 1/4		
Thirds and blues... ..	.04 1/4		
Per cwt.			
Black stockings	3.25		
Roofing stock No. 1... ..	3.50		
Roofing stock No. 2... ..	3.40		
Gunny bagging	3.75		
Manila rope	6 1/4		

Pulp

(F. o. b. Mill.)
Ground Wood\$30.00@\$32.00

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48 per cent. and 58 per cent.

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

Bicarbonate of Soda

Packed in Kegs, Barrels or Bags; also Cases

Arnold Hoffman & Company, Inc.

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PHILADELPHIA: Delaware Ave. and Green St. CHARLOTTE, N. C.

WANT AND FOR SALE ADVERTISEMENTS

HELP WANTED

WANTED—Experienced Mill Manager, one familiar with Fourdrinier and Cylinder specialties, also with ability to handle general sales. Address, Box 1577, care Paper Trade Journal. J-1

WANTED—Superintendent to take charge of toilet paper converting plant in middle west. Now running 600 cases per day. None but experienced need apply. Applications treated confidentially. Address, Box 1810, care Paper Trade Journal. J-1

WANTED—Beater man and machine tender for Harper Fourdrinier. Three shifts. Address, Box 1828, care Paper Trade Journal. J-8

WANTED—Reliable and efficient beater engineers for mill located in middle west. Experience on Colors necessary. Manufacturers of fibre paper and specialties. Three tour system. 82c. per hour. Will assist in purchase of home for satisfactory man if necessary. Good location. Address, Box 1813, care Paper Trade Journal. J-1

WANTED—One machine tender in two tour mill. Fourdrinier machine. Water finished fibres. Good wages. Must be reliable. Address, Box 1815, care Paper Trade Journal. J-1

WANTED—Back Tender in two tour mill. Machines running water finished fibre. Address, Box 1816, care Paper Trade Journal. J-1

WANTED—Four wet machine tenders; men who have had experience in Binder and Asbestos Millboard preferred. Good wages, steady work. No strikes. Address, B. Valmont, Stratford, Conn. J-1

WANTED—Non-union machine tender for 64" Smith and Winchester Machine, running on highest quality white rag stock ledgers, linen and bond papers. Applicants must furnish references. Address, Box 1833, care Paper Trade Journal. D-25

WANTED—For Pacific Coast Territory, including Salt Lake City, Denver, and if possible Texas points, to sell jobbing only. Preferable on commission brokerage basis. Office and traveling headquarters, Los Angeles. Fourdrinier, Cylinder and Machine Glazed papers, 10 lb. or 9 lb. Tissues to 40 lb. or 50 lb. Wrappings in 80% and 100% Sulphites and Mitscherlich Fibre Papers. Also Towelings, Napkins, and Tissue Toilets, some in better grades crepe. 1 lb. Sulphite Kraft Wrappings and Tissues. Sulphite Bonds. Address, Box 1847, care Paper Trade Journal. J-1

WANTED—Boss Finisher to take complete charge of finishing room in two-machine tissue mill. State age, experience, whether married or single. Address, Box 1848, care Paper Trade Journal. J-24

WANTED—Experienced men of good habits in Coating Mill producing High Grade Flint and Friction Glazed Papers. Modern plant; ideal working conditions. Replies treated confidentially. Address, Box 1849, care Paper Trade Journal. J-1

WANTED—Experienced fourdrinier machine tenders for new machine in the middle west. None but first class men need apply. Good wages, best of working conditions. State experience and where last employed. Address, Box 1850, care Paper Trade Journal. J-1

WANTED—Beater Engineer in Small Board Mill, making mostly plain chip board. Address, Box 1851, care Paper Trade Journal. J-1

WANTED—Machine Tender on small board mill in small town. Steady employment. Address, Box 1852, care Paper Trade Journal. J-1

WANTED—Back Tenders on small board machine. Address, Box 1853, care Paper Trade Journal. J-1

HELP WANTED

WANTED—Backtenders. Address, Cliff Paper Company, Niagara Falls, New York. J-1

WANTED AT ONCE—Superintendent for large paper mill, running solid pulp board, also making roofing. Exceptional opportunity for the right man to connect with a live organization. Give complete details as to age, experience and salary expected. Address, Box 186, care Paper Trade Journal. J-1

WANTED—A competent Back Tender on Book papers. Good working conditions, 8 hours, fifty cents per hour. Apply, Dill and Collins Co., Richmond and Tloga Sts., Philadelphia, Pa. J-1

SITUATIONS WANTED

WOOD PULP—Salesman thoroughly acquainted with imported and domestic pulps. Only men of high class and proven ability need apply. Address, in confidence, Box 1780, care Paper Trade Journal. J-1

ENGINEER desires to make change. Competent man to take charge of proportioning, designing, construction, remodeling and maintenance of pulp and paper mills. Address, Box 1757, care Paper Trade Journal. J-1

MAN, WITH TWELVE YEARS' EXPERIENCE in both manufacturing and sales, seeks a position as salesmanager with a mill making book or writings. Now with a jobber, but would like to return to the manufacturing end of the industry. Correspondence solicited. Address, Box 1762, care Paper Trade Journal. J-1

WANTED—Position as Master Mechanic or Superintendent of roofing manufacturing plant. Fourteen years experience in roofing and wall-board business. Capable of designing and erecting complete plant for the manufacture of roofing papers and asphalt shingles. 35 years old. Married. Address, Box 1817, care Paper Trade Journal. J-1

PAPER MILL OFFICE MANAGER open for engagement. Thoroughly familiar with details, also buying and selling. Address, Box 1819, care Paper Trade Journal. J-15

ACCOUNTING, COST AND GENERAL—Executive Accountant of wide experience seeks new connections. Nine years with present paper mill employers. 35 years of age, married, best of references, moderate salary. Reply to Box 1839, care Paper Trade Journal. J-1

MAN with 15 years' experience manufacturing paper, light weight specialties and wrappings. Competent executive. Also sales experience. Married. Under forty. At present employed. Correspondence solicited. Address, Box 1841, care Paper Trade Journal. J-1

SUPERINTENDENT is desirous of making change. Would like position in mill making Tissues, Toilet or papers for Waxing purposes. Familiar with all types of machines and all kinds of stock. Address, Box 1842, care Paper Trade Journal. J-1

A SALESMAN AND INDUSTRIAL CHEMIST with a broad mechanical and analytical knowledge, a pleasing personality and the ability and tact that enables him to meet leading officials of the Paper Textile and Chemical industries in a manner pleasing to them, and who is able to analyze all conditions surrounding manufacturing from a purchasing standpoint, seeks, at the age of 40, to represent throughout the States, a firm of standing at an expense of ten dollars a day and a percentage of profits on all sales made. A good writer on industrial subjects and a thoroughly capable mail order man who can write a letter that brings results. Reply to "Industrial," Box 1854, care Paper Trade Journal. J-1

SITUATIONS WANTED

MACHINE TENDER, thoroughly experienced on all grades of boards, wants position. Competent to get tonnage and quality and keep up machine. Married. References. Address, Box 1855, care Paper Trade Journal. J-8

WANTED—To represent a reliable RAG concern in and around Holyoke. Your opportunity to secure a man who can get you business. Address, Box 205, Holyoke, Mass. J-8

WANTED—Superintendent, middle aged, wants position. Life time experience on Tissues, Board, Roofing, Felt, Asbestos and all grades of cylinder papers. References. Address, Box 1856, care Paper Trade Journal. J-1

POSITION wanted as Superintendent of Board Mill by man of many years successful experience on all grades. Best of references. Address, Box 1857, care Paper Trade Journal. J-15

PRACTICAL PAPER MAKER seeks position as an assistant or superintendent in mill making Cement, Lime, Sand and Rope Kraft; Coke and Coal Sacks. Address, Box 1860, care Paper Trade Journal. J-8

FOR SALE

FOR SALE—Two absolutely new 17"x22" Ohio Cultivator Baling presses equipped with friction clutches. Piermont Paper Company, Piermont, N. Y. J-1

FOR SALE—One second-hand 42" Cameron Universal type No. 6 Slitter and Rewinder, in A-1 condition. Has 16 cutters, four rewinding shafts and measuring attachment. Immediate delivery. Address, Gibbs-Brower Co., 261 Broadway, New York City. J-1

FOR SALE—One Ryther Pulp Shredder, in first-class condition; used about six months. Address, Box 516, Niagara Falls, N. Y. J-1

FOR SALE—Two second-hand cylinder molds, one 94 inches face by 36 inches diameter, suitable for water filter; one 74 inches by 30 inches diameter, suitable for tissue machine. We cover your cylinders in the mill on short notice and plan to put them on right. Clark Manufacturing Co., Holyoke, Mass. J-1

FOR SALE—New Kidder Rewinder. 31 2-inch spacers, 11 1-inch spacers, 12 new double edge knives and 11 used, 15 disc knives. Moore & Thompson Paper Co., Bel-lows Falls, Vt. J-1

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Experienced, if possible in fine and coarse papers, also envelopes. To work in principal cities of eastern Pennsylvania where business is now partly established. Excellent territory and good opportunity for right man. Apply stating age, experience and salary expected to

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Philadelphia, Pa.

FOR SALE

FOR SALE

One (1) 76-inch Downingtown duplex cutter with duplex slitting attachment.
Two (2) No. 2 Clafin Engines.
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The undersigned company makes continuously 130 cords of wood waste per day from Spruce, Hemlock and Fir. The greater part of this material is suitable for chemical pulp production. Free water, cheap sawdust fuel and very reasonable electric power rates available. Excellent shipping facilities to all parts of the world. Write for further information to

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One Mills Universal Beating Engine. Never been used. Attractive Price for Quick Sale. Address,
MT. HOLLY PAPER MILLS, INC.,
Mt. Holly Springs, Pa. tf

FOR SALE

BOARD MACHINES—Six cylinder 36" x 80", five baby presses, three presses, 61 dryers, 2 stack calenders, duplex cutter, and Marshall drive.
FOURDRINIER PARTS—One 120" Black & Clawson, Kutter Trowbridge pattern. One 72" with Fusey & Jones U Shake.
DRYERS—Three 48" x 149"; four 48" x 111"; two 48" x 60"; two 30" x 82"; fourteen 36" x 54"; three 30" x 48".
MACHINE CALENDERS—One 84" nine roll; one 82" nine roll; one 72" nine roll; one 68" five roll; one 48" five roll; one 37" five roll.
SUPER CALENDERS—One 62" Norwood; one 53" Holyoke; one 45" Norwood; one 43" Holyoke; two 42" Holyoke.
SLITTERS AND WINDERS—One 127" Kidder; one 102" Langston; one 90" Kidder Toilet Slitter; one 82" Cameron; one 60" Kidder; one 64" Diets Toilet Perforator and Slitter; one 38" Kidder.
PAPER SHEET CUTTERS—One 108" Horne; one 112" Finlay; one 84" Beloit Duplex; one 72" Clark; one 62" Horne; one 53" Finlay; one 48" Finlay; four 42" Finlay.
BEAM CUTTERS—One 55" 20th Century Seybold; one 55" Cranston undercut; one 60" Sheridan; one 50" Dayton Seybold; one 46" Sheridan; one 36" Sheridan.
BEATERS—Two 52" x 52" Horne; one 53" x 52" Emerson; one 48" x 48" Horne; two 48" x 54" Horne; one 48" x 48" Downingtown; one 48" x 68" Umpherston; three 40" x 40".
JORDANS—One Noble & Wood, with base; one Emerson, with base; one Horne; two 49" Smith & Winchester, without base; one Dillon No. 1.
PUMPS—One Deane Triplex Water Pump, 10" x 10", new; two Deane Triplex Stuff Pumps, 8" x 8" two Fusey & Jones Double Stuff Pumps, 6" x 10"; one Fusey & Jones Triplex Stuff Pump, 6" x 8"; two Rice, Barton & Fales Duplex Stuff Pumps, 6" x 12"; one 10" Worthington Volute; three 4" Centrifugal; three 3" Centrifugals.
SCREENS—Four 10-Plate Packer Screens, Witham Fasteners; two 10-Plate Packers; two Wandel Single Cylinders.
WET MACHINE—Four Sandy Hill 84"; one 72" Bagley & Sewell Hydraulic; two Black & Clawson 62".

FRANK H. DAVIS

175 Richdale Ave., Cambridge, Mass.

MISCELLANEOUS

WANTED—Double Roll Drum winder from 50" to 60" in width. Must be in good condition. When submitting proposition send out of machine. Detroit Sulphite Pulp and Paper Co., 2607 West Jefferson Ave., Detroit, Mich. J-1

PAPER MACHINE WANTED, Straight or Harper Fourdrinier, about 84 inches. Address, Box 1844, care Paper Trade Journal. J-1

WANTED—To buy a new, second hand or rebuilt rag cutter for immediate delivery. State price, location, condition, etc. Address, Oertel Roofing Mfg. Co., East St. Louis, Ill. J-1

WANTED—To buy a number of 28" or 36" dryers with 72" face, with frames and gears. State condition, location, price, etc. Address, Oertel Roofing Mfg. Co., East St. Louis, Ill. J-1

WANTED—To buy paper waxing plant. Address, Box 1858, care Paper Trade Journal. J-15

WANTED—One 125 H.P. Slide Valve Engine, or one 75 H.P. Ball Variable Speed Engine, and one 50 H.P. Slide Valve Engine. Address, John T. Andrews and Co., Inc., Penn Yan, N. Y. J-8

WANTED—Trimmer knife; Seybold preferred. 48" to 60" wide. Also 64" single or duplex roll sheeter. Give full particulars. Address, Box 1859, care Paper Trade Journal. J-1

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

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1 34" Hamblet Duplex Revolving Paper Cutter with Slitter Attachment.

Size of Slitter shafts, 2-7/16" x 2-15/16". Pulleys, 16" x 5".

Length of sheets, 20" to 96".

Equipped with 84" Brannan Folder complete.

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

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

FOR SALE

BEATERS—One 61"x48", five Jones, one Downingtown, two Horne, one 60"x50", 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 5 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" guillotine cutter.

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

DRYERS—4 36"x54", 3 36"x62", 7 48"x108", 2 36"x66", 1 36"x76", 1 24"x120", also twenty brand new shells 48"x96", and ten new shells 48"x102".

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

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

PULLEYS—One 97" dia., 34" face, double arm, modern pulley. One set cone pulleys, 40"x31"x83" face. One set cone pulleys, 40"x31"x78" face. Also large stock of iron pulleys including some cone pulleys for Marshall drives. New wood pulleys with friction clutches.

PUMPS—One dry suction pump, single vacuum, 12x22x18 Knowles, one 1,000 gallon Blake tank pump, several 7" and 8" Lawrence Machine Company, Class A, high duty pumps; fan pumps, new stock pumps, single and double.

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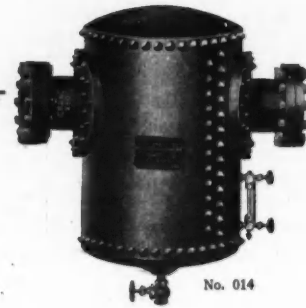
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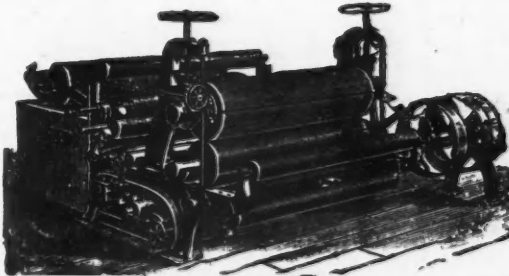
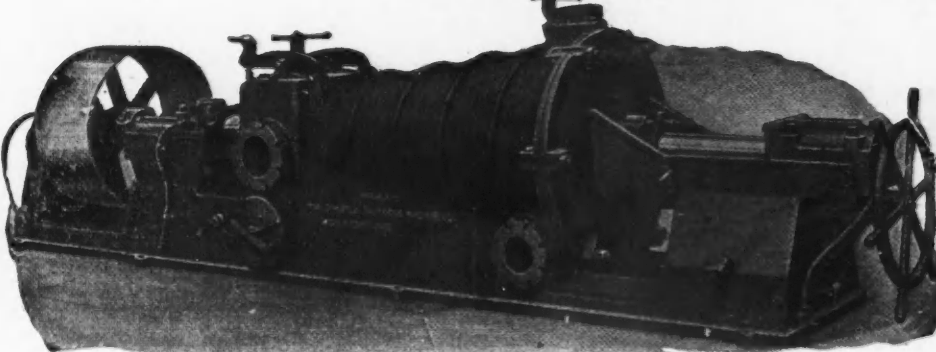
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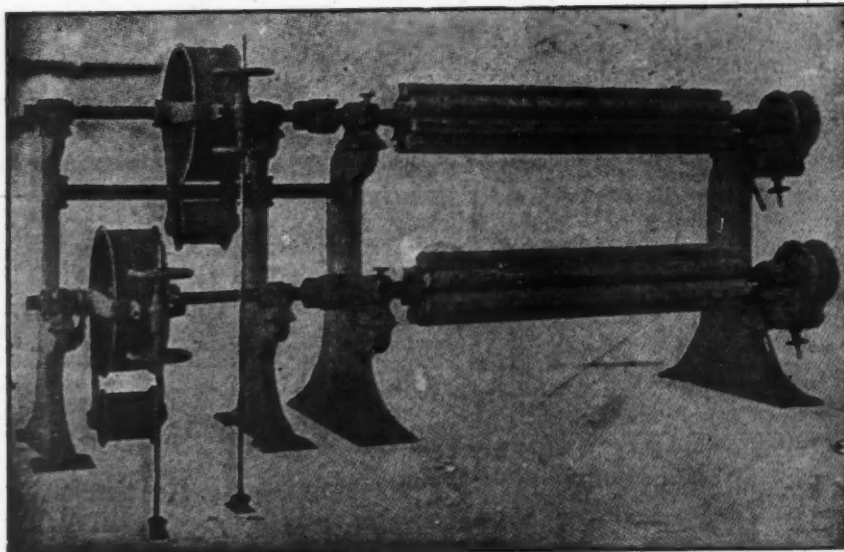
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W. F. Ehrnholm, Manager
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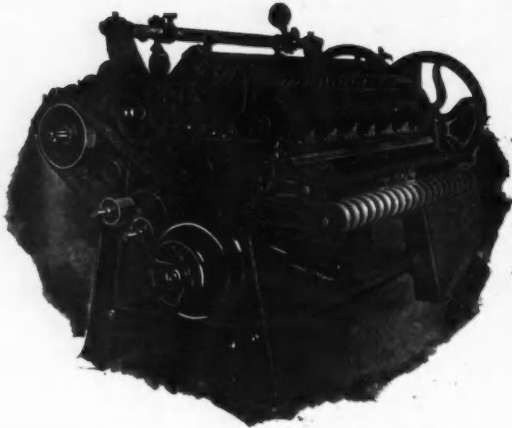
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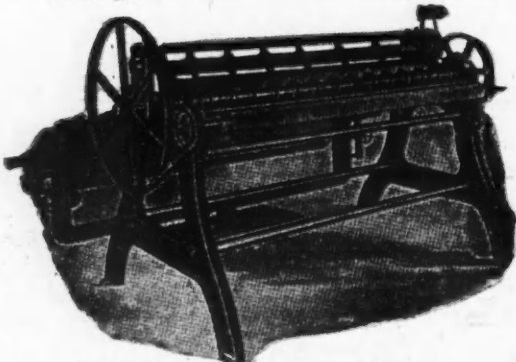
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CAPABLE OF PRODUCING 3,600 WIRE STITCHED
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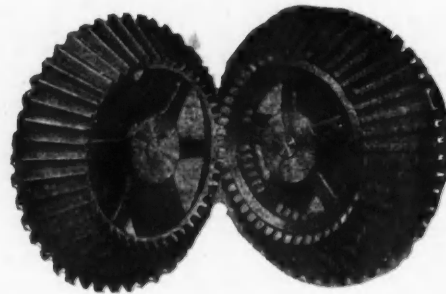
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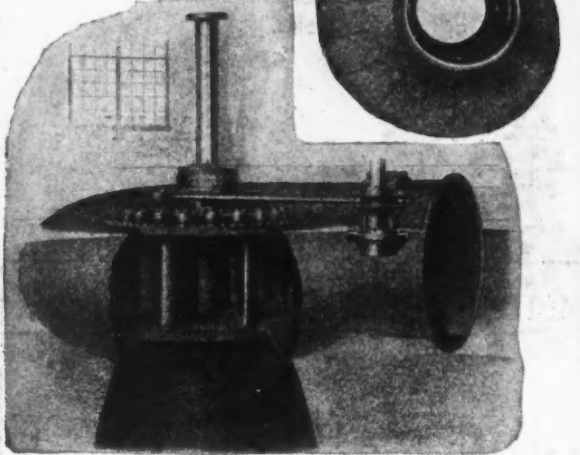
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Under Actual
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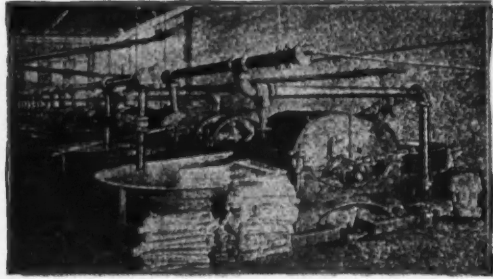


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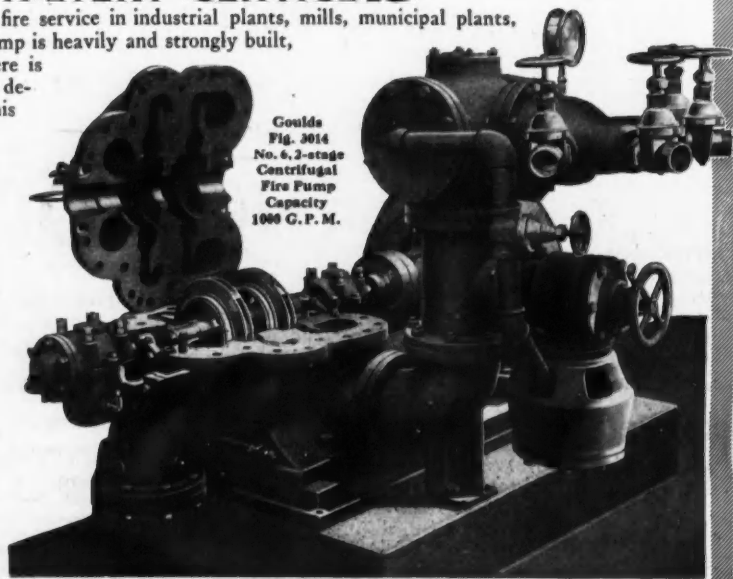
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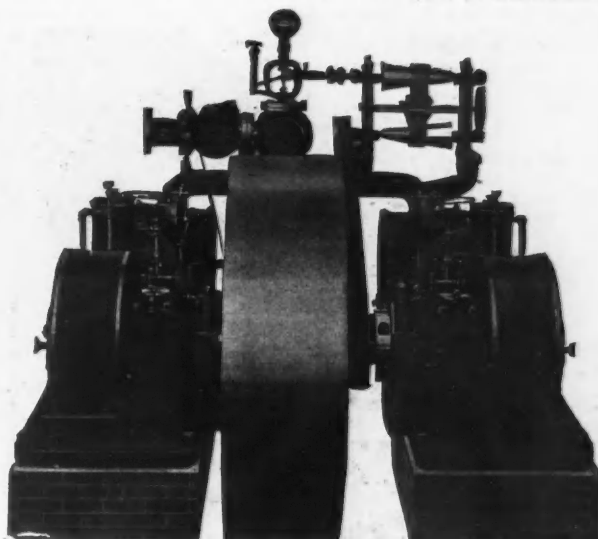
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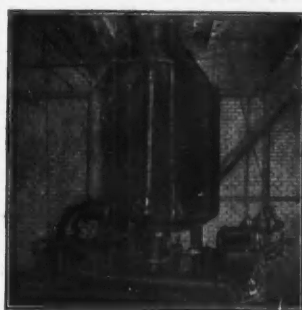
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increases production and decreases the worry. The real live paper manufacturers are using them, and they'll tell you that it pays.

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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.

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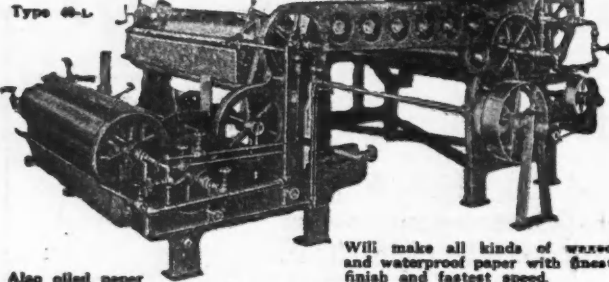
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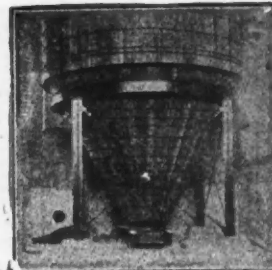
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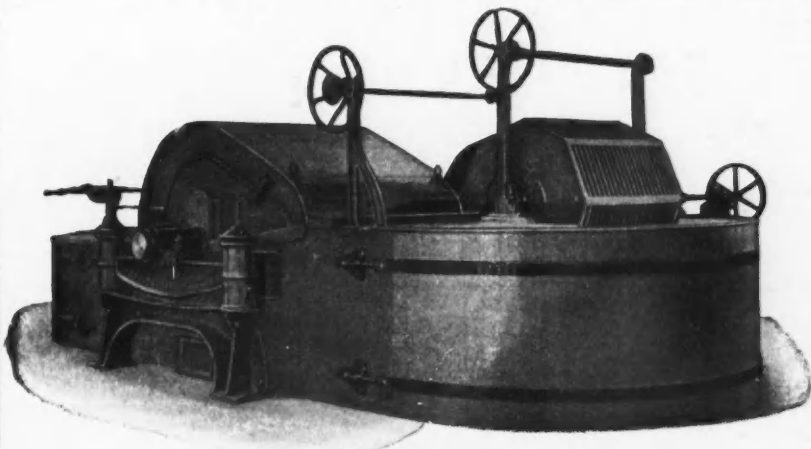
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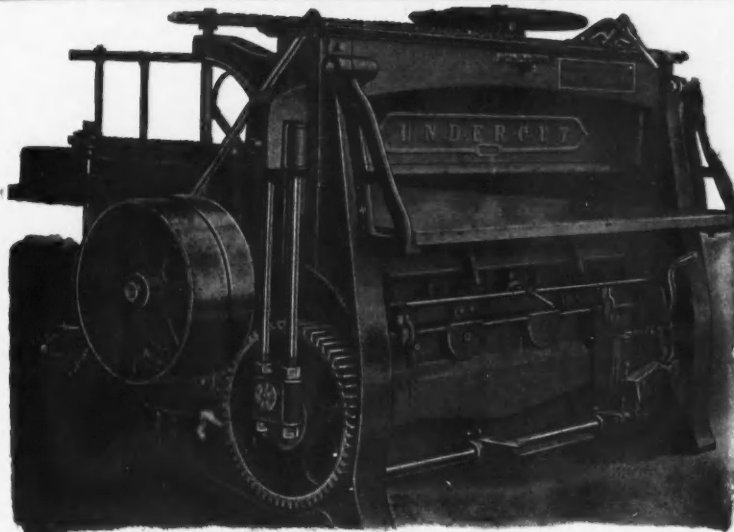
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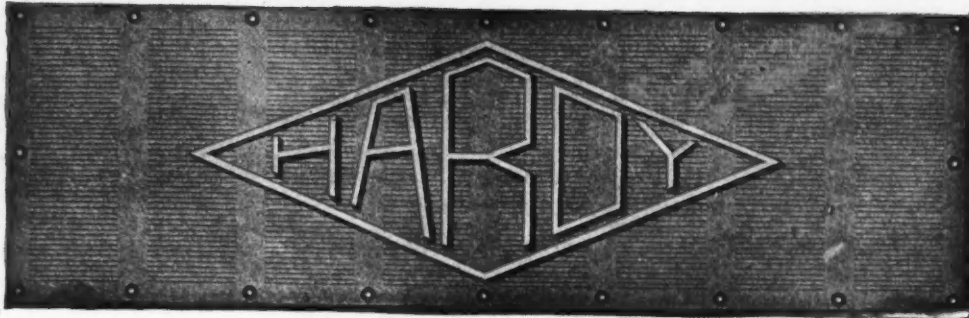
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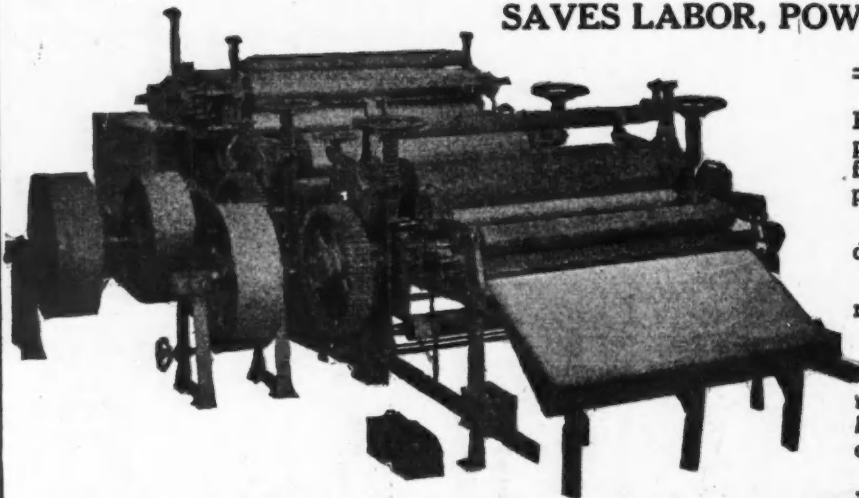
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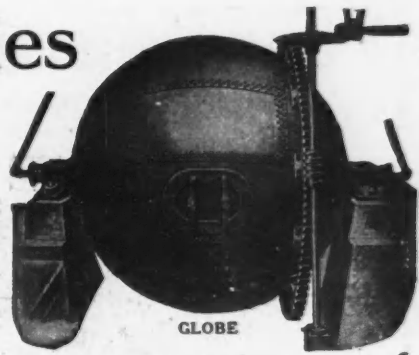
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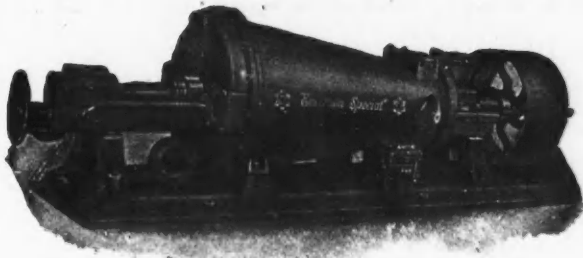


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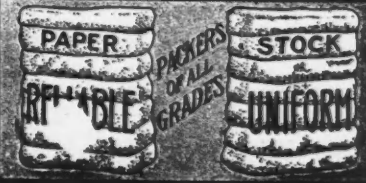
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Paper Trade Journal

PIONEER PAPER STOCK CO.

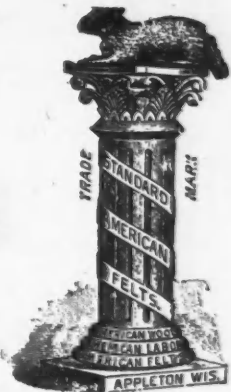
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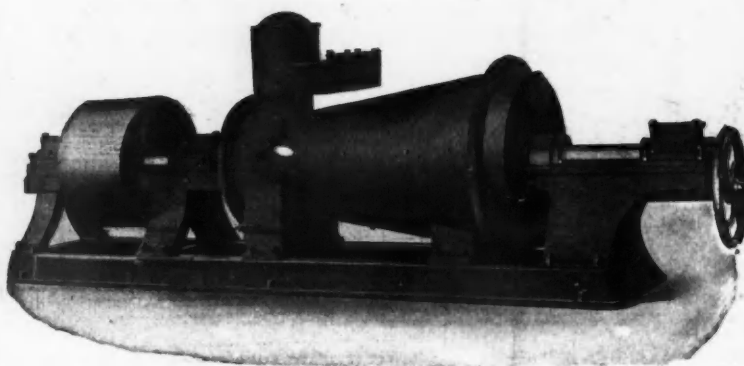


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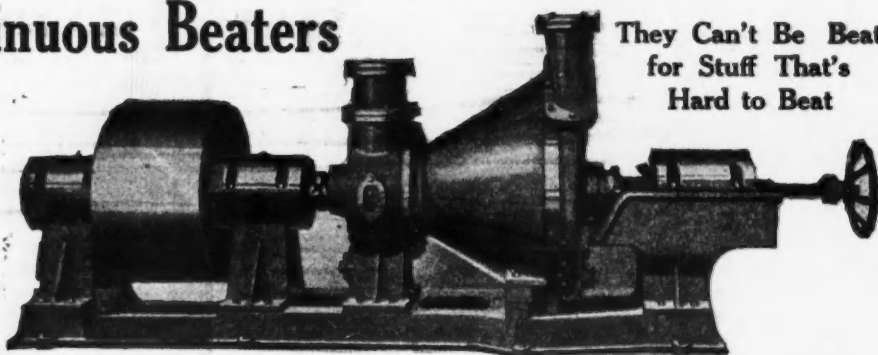
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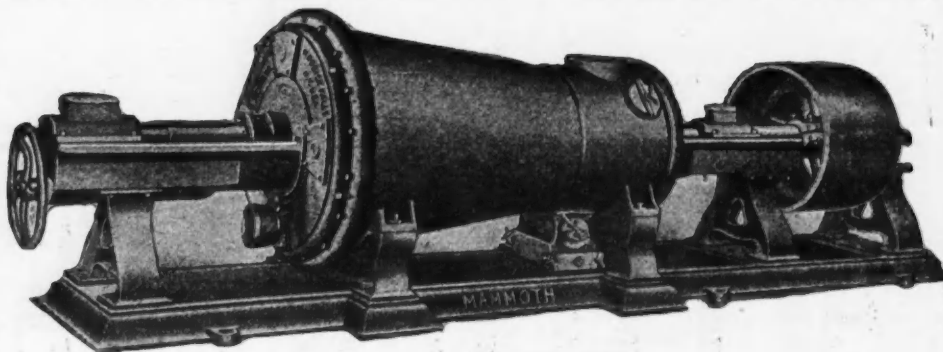
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**SIX SIZES OF
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Are Good Wires"

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