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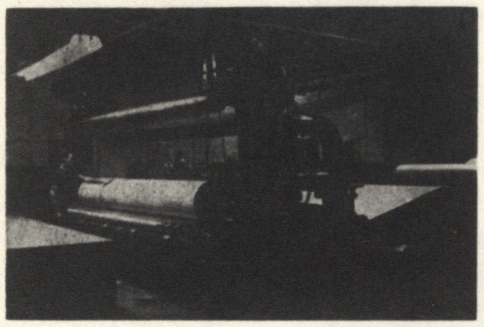
No. 3 Machine Gets New Winder



PAPER MACHINE WINDER . . . . Shown above is the winder at the dry end of No.1 paper machine at Cascade. As the sheet of paper passes through the winder, slitter knives cut it into widths desired by customers. Other knives trim the two edges. No. 3 paper machine will get a new $150,000 winder early in 1961.

No. 3 paper machine will get a new winder early next spring. Approval for this major expenditure was voted by the Board of Directors in October, the winder has been ordered, and will be installed as soon as it is delivered sometime next March.

The winder is a very important part of the overall paper making process. No matter how modern the paper machine is, and no matter how well it produces paper of the high quality needed by Brown Company customers, the work done can be spoiled by the winder if it isn't running properly, or can't handle the paper as customers want it.

That is why No. 3 machine will get a new winder. A lot of money has been spent on No. 3 to enable it to produce the very best white papers sold by the Company. But the old winder on No. 3 just couldn't handle its part of the job.

The winder is the apparatus situated at the dry end of the paper machine. Its function is to take the large roll of paper, some 12' wide and 4' thick, and slit it up into smaller rolls to sizes demanded by customers.

In the process, it may be necessary to take out some paper which for one reason or another should be returned to the beater. Then the sheet must be spliced, and small tags inserted to warn customers of this condition.

Some customers may want rolls of paper which are 45" long. Others may insist on smaller width rolls. The present winder is limited in its ability to slit these different size rolls. The new one will be able to produce rolls as narrow as 6" if customers want them—and some do.

Estimated cost of the new winder is $150,000.

Riverside Bowls High

RIVERSIDE BOWLERS . . . . Last year's Mill League champions, shown above, left to right, Ray Bedard, Everett Harris, Dave Bedard and Duke Downs.

The highest single string and 3-string total of the current mill and office league bowling was rolled in late October by Dave Bedard of the Riverside Mill bowling team.

With a season average of 114, Dave rolled a first string warm-up of 101, followed by a glittering 145 and then a 126 for a total stringfall of 372.

Just to show that the Bedard magic is not limited to one member of the family, Ray Bedard, also of the Riverside team, rolled three consistently high strings of 120, 121 and 118 during the same match.

Other members of the Riverside team, which won the mill league championship last season, are Everett Harris and Duke Downs. Riverside also defeated the office league champions last season in a special post-season roll-off to determine which was the top team at the Company.

1960 Sees Many Improvements In Paper Division

Editor's Note — The following article was prepared recently for use in the annual modernization issue of PAPER MILL NEWS, to be published on November 28th. It is included in this issue of the BROWN BULLETIN in the belief that Company employees, especially those in the Paper Division, will find it of interest.

To others who may read it, the article should indicate that Brown Company's management has every intention of keeping Company mills and equipment competitive with other paper mills and machines in other parts of the country.

* * * * *

Increased machine speed and tonnage, and closer control over quality, have been guiding principles behind Brown Company's paper machine expenditures during 1960.

Cascade Mill

Brown's Cascade Mill operations at Gorham, N. H. include four 164" paper machines, a 196" towel paper machine, converting and finishing operations, and 20 paper towel converting machines producing singlefold, multifold and C-fold towels and wipers for commercial and industrial markets.

No. 1 Machine

Authorized for immediate installation is a new headbox inlet to permit greater machine speed and higher quality on lightweight printing papers. During 1960 a new Poirier consistency and basis weight regulator, pump and stainless steel line from wire pit to regulator, and overflow line, were installed.

No. 2 Machine

Six new high pressure dryers are scheduled for installation, with anti-friction bearings and new lubrication system. Also approved but not yet installed is a new broke handling system, consisting of Lieback pulper below the dry end, with direct feed through a broke hole in machine room floor.

A new drive on the long dryer section was installed in 1960, and a Poirier consistency and basis weight regulator.

No. 3 Machine

No. 3 machine, which received new high pressure dryers, rope carriers, a Valley slice, first press and size press during 1959, still received some attention in 1960.

A Poirier consistency and basis weight regulator was installed, and the machine will receive a new drive on the wire, second and third press sections, as soon as delivered.

No. 3 machine is also scheduled for 2 additional high pressure dryers, supplementing the 12 installed during 1959, and 4 new felt rolls. On order, but not yet delivered, is a new winder which will be capable of handling rolls as narrow as 6" wide for envelope papers.

No. 4 Machine

Ten new high pressure dryers, rope carriers, new condensate steam system, adjustable Valley slice, Sinclair dandy rolls and stand, and new lubrication system were all installed on Brown's No. 4 paper machine during scheduled shutdowns in 1960.

To provide better control, a Hurletron moisture regulator and Poirier consistency and basis weight regulator were both installed on the machine.

This virtually completes the modernization program on No. 4 machine, which has been in progress during the past three years.

Riverside Paper Mill

Brown Company's Riverside Mill at Berlin, N. H. contains two paper machines. New savealls, and sloping tile bottoms for white water chests, were installed on No. 5 and 6 machines to conserve fibre and reduce consumption of fresh water. No. 6 machine also received a rebuilt Pope reel with rewind stand and all accessories, including new spreader roll equipped with anti-static rubber and a tapered lead-in roll.

Converting Operations

A new grinder is on order, for installation on one of Brown Company's supercalendars. This equipment will make it unnecessary to dismantle the rolls when the surface needs grinding.

Nibroc Towel Department

Three significant developments took place in Brown Company's towel converting operations during 1960 .

For greater control over quality, an entire new paper testing room was built on the floor of the converting room, thus duplicating other paper testing facilities in the mill. The production from the Company's largest paper machine is all tested in this new facility, with output from the other four machines at Cascade being tested at the older room.

Designed especially for Brown Company, a new automatic tape-sealing machine was put in operation, replacing older glue-sealing equipment for towel cartons. Unique feature of the tape-sealer is its ability to adjust itself to different size cartons which go through it from any of the conveyors from the towel machines. Full protection against dust is provided by the tape, and easy opening of cartons made possible by use of a pull-string built into the reinforced paper tape.

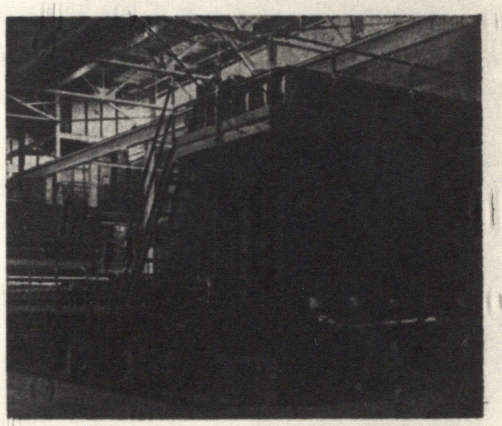
An exact record of the operation of each of the Company's 20 towel machines is now provided through the installation of a new Swedish recording machine called the Ericsson Centralograph, which is geared to each machine. The Centralograph records running time, and indicates the reason for each shutdown as well as the length of time the towel machines are not operating .

Just over its shake-down trial runs, the Company has now accepted and placed in full operation what is believed to be the first fully-automatic paper towel packaging machine in the industry.

Printing Paper Department

During 1960 Brown Company completed and put in operation an entire new addition to its Cascade Mill, containing its printing paper and sheeting operations. The new facility includes a Clark-Aiken sheeter with rotary (turntable) roll stand, a Hamblett sheeter and overlapper, Seybold trimmer, Southworth sheet handling equipment and all accessories. The Clark-Aiken sheeter carries 16 rolls of offset paper, 8 of which may be sheeted at one time while the others are being put in position. The Seybold trimmer is 100", is fully automatic and is equipped with an automatic spacer. It replaces an 85" Smith-Winchester trimmer which is being held in reserve to take care of expanded requirements in the fine paper finishing department.

New Headbox For Mister Nibroc



HEADBOX TO GO . . . The present headbox on No. 9 paper machine, shown above, will be replaced next spring with a new smaller pressure-type headbox.

No. 9 paper machine, which produces a mile of paper 15' wide every five minutes for Nibroc towels and wipers, will get a new headbox early next year.

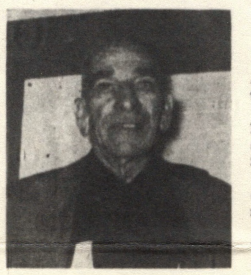
A headbox is the reservoir which holds the pulp at the wet end of a paper machine. Out of it comes a steady flow of stock, 99 percent water and one percent cellulose fiber, in a thin layer over the moving Fourdrinier wire. As the wire moves, the water drains out and the sheet of paper is formed. While stock is flowing from headbox to Fourdrinier, more stock is constantly being pumped into the headbox from the beater room, where it is being prepared, refined, and all possible impurities removed.

The new headbox differs substantially from those now in use on the Company's seven paper machines. It depends on pressure, rather than gravity, for a uniform flow of the right amount of stock onto the wire. Consequently a better, more level sheet of paper should be made on Mister Nibroc when the new box is in operation.

Valley Iron Works will fabricate the headbox and expects to deliver it to Berlin next spring. Brown Company construction crews, working under the supervision of a manufacturer's representative, will install it.

Total cost of the improvement to No. 9 will be about $150,000.

Gendron Retires



OBED GENDRON

Obed Gendron, of 265 Norway Street, will retire on December 1st, after 43 years of service with the Company.

Mr. Gendron, who was born in Groveton where he attended school, came to work at Brown Company on Dec. 6, 1917 as a piper. After nearly 20 years in construction as a piper or tinsmith, he supervised construction welders and in 1941, became foreman in the Engineering (Construction and Repair) Department.

During the period when No. 9 paper machine was built, and when the Kraft Mill bleachery and MgO plant were under construction, Mr. Gendron was in charge of all materials received and their allocation to different projects. Since 1949 he has been assigned to the Purchasing Department's Burgess Storehouse.

Kraft Still Accident Free

The score at Kraft is still zero! A great big "O" straight across the board!

No lost-time accidents at Kraft, according to the latest safety report issued as of October 31st, in the past 12 months.

No lost-time accidents, in fact, during the last 566 days — or 19 months!

No other department at Brown Company can even approach this outstanding record.

"Keep your fingers crossed," says Karl Guest, who is Manager of Kraft Pulp and Paper Manufacturing. "We think it's a wonderful record. Only 15 more days to the end of the (fiscal) year."

But accident-free days and months, and maybe even years, at the Kraft Mill are only part of the story. Dollars are involved too.

It has cost the Company only $73 this year for first aid expenses at the Kraft Mill, and these did not involve any lost-time accidents.

Miscellaneous Depts.

Other departments at the Company did not do so well in October, with the exception of the Miscellaneous Group which includes office employees, research personnel, janitors, guards and Recording Gauge. Miscellaneous had another good month, with no accidents, and now stands in second place.

There has been no lost-time accident in this group in the past 327 days or better than 10 months!

Bermico

Bermico now takes over third place in the mill standing, with a perfect record in September and no lost-time accidents in the past 69 days.

Power & Steam

With one accident in September, Power & Steam still managed to advance its position to fourth place, helped to some extent by the Berlin Mills Railway which got a little careless and dropped from second to fifth place.

Berlin Mills Railway

It just doesn't pay to get careless, as the Berlin Mills Railway found out last month. The accident was a foolish one. An employee used the wrong kind of hammer when striking a cold chisel. It did not have the special case hardened head required for this type of work. A piece of steel broke away from the head of the hammer, flew up, and punctured the employee's wrist. The result—time lost from work, and an accident which spoiled the Railway's excellent safety record.

Until that hapened, it had been a year since the Railway had an accident. Now it has to start all over again.

THE SAFETY SCOREBOARD

PLANT	12-MONTHS FREQUENCY	DAYS SINCE LAST ACCIDENT*
Kraft Mill	0	566
Misc. Dept.	1.8	327
Bermico Mill	8.7	69
Power & Steam	10.7	31
Berlin Mills Ry.	10.8	3
Onco Plant	14.1	160
Burgess Operating	14.9	26
Chemical Mill	16.0	14
Cascade Maint.	18.0	18
Cascade Operating	18.2	34
Construction Dept.	20.8	220
Burgess Maint.	21.3	11
Riverside Mill	27.6	118

*As of October 31st.

SERADA RETIRES—Demain Serada, brokeman at Burgess and Brown Company employee for 32 years, retired Nov. 1st. Mr. Serada, who was born in Russia in 1802, attended night school for three years at Berlin High after coming to Berlin. Shown above when "Danny" received service pin and gift from fellow employees are, left to right, Dryer Foreman Bob Cave, Burgess Mill Manager C. A. Cordwell, Mr. Serada, and Alcide Ouellette, also a Dryer Foreman.

Wood Handling Shift Announced

Effective December 1st, the Wood Handling and Preparation operation for the Sulphite and Kraft Mills will be under the direction of C. S. Herr, Vice President - Woods, and will be considered a function of the Woods Department.

The move will consolidate all wood procurement and preparation under one head. It makes the Woods Department responsible for everything from the trees in the woods, to the chips in the pulp mill chip lofts.

Francis McCann, superintendent of Wood Handling and Preparation, will continue to direct the operations and will report directly to Mr. Herr.

Blue Cross Deadline December 31

Children of Brown Company employees having family memberships in Blue Cross will no longer be covered by this hospitalization and medical insurance after December 31st, if they have celebrated their 19th birthday during 1960, according to Mrs. Vera West of the Insurance Department.

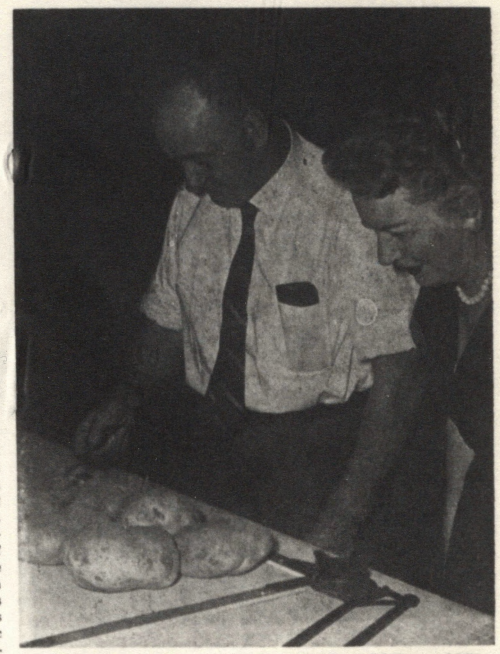
Under Blue Cross policy provisions, a family membership covers mother, father and children until the end of the year in which they become 19 years old or until the end of the month in which they become married, Mrs. West points out.

When either of these events occurs, the child loses his dependency status and must have a separate membership if he is to continue under Blue Cross.

In order to continue hospitalization or medical insurance coverage under Blue Cross, the employee who is a parent of such a child must apply at Mrs. West's office for a new membership providing separate coverage. This should be done before the end of December in order to provide continuity of membership. If the application is not made during January 1961 or sooner, then the membership would not become effective until the first of the third month after receipt by Blue Cross-Blue Shield.

Mrs. West also has pointed out that when all children in a family have reached the age of 19, then the employee-subscriber may change to a Two Person membership if he desires.

Brown Company pays about 53 percent of the cost of family insurance and 82 percent of the cost of single memberships for active and retired employees in Blue Cross.



SIX TO THE PECK . . . . . Industrial Engineer Ed Howe of Milan shows Ada Anderson of Production Control a few of his prize potatoes, any one of which would make a meal. Largest potato measured 17" around (the long way) and 14" in girth.