



THE BROWN BULLETIN

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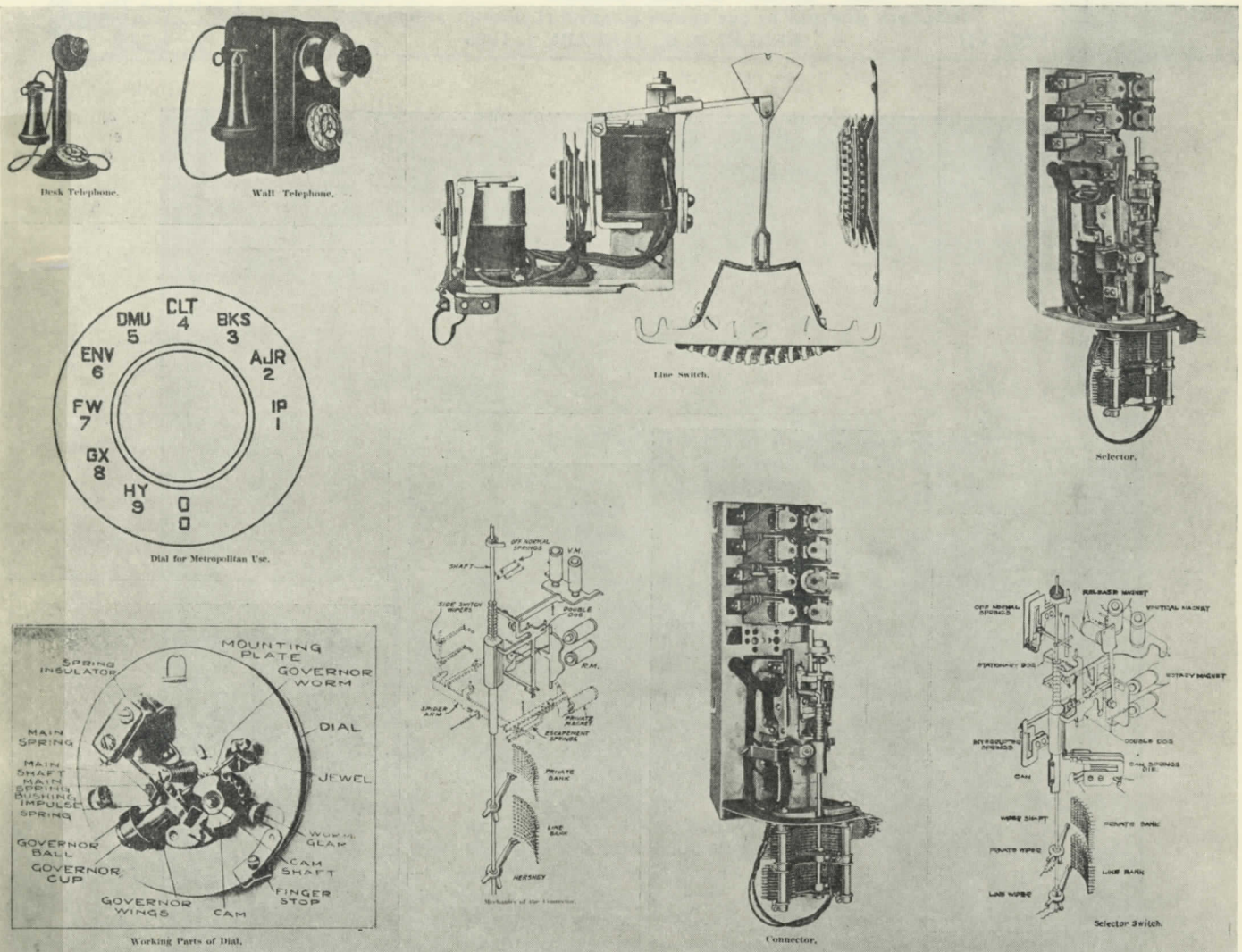
No. 7



EASTERN SKI CHAMPIONSHIP, BERLIN, FEB. 19 AND 20

AUTOMATIC TELEPHONY

By W. L. ISHERWOOD



AUTOMATIC Telephony is a term applied to a telephone system whereby all operations are controlled automatically, that is to say, both mechanically and electrically. It is often referred to as machine switching.

The two most prominent automatic systems in use in the United States at present are the Strowger system, known as the step-by-step system; and the Western Electric Co.'s panel-type system. This article describes the Strowger system, used by the Brown Company in the mills in Berlin, N. H.

The automatic telephone is very similar to the common telephone in most of its details, except that the automatic 'phone

has a calling device or dial, mounted on the telephone in a convenient place.

The dial is used to call any number wanted, by means of controlling the switches in the central office. Any number or combination of numbers or letters may be called, according to the size of the system used. The number plate on the dials (in the larger exchanges) have a letter or a combination of two or three letters grouped with each number, such as I and P are grouped with number one on the number plate; the letters A, J, R are grouped with number two; the letters B, K, S, with number three, etc. In a 100-line system a two-number or digit call is necessary to complete a call. In

a 1,000-line system, such as used by the Brown Company, a three-digit call is in use. In a 10,000-line system a four-digit call is essential. In the large city equipment, where five, six or seven number is used or necessary to be used, the first one, two, or three numbers are replaced by letters. These letters generally represent the first few letters of the name of the telephone exchange in which the called party is located. For example in case of a party whose number is Main 2345, the number dialed would be MAI 2345 representing a seven-digit call. The three letters would actually represent the numbers 521, and then the usual number

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BROWN COMPANY SALES OFFICES

PITTSBURGH

November turned out to be an excellent month for business.

Mr. Mack spent the month of November working in the State of New York. He reported lots of business and many good prospects.

Mr. Close left this office recently, and is now working as a bond salesman for Dillon-Reed Company, this city.

Pitt University has given Pittsburgh the added distinction of a Champion Football Team.

Mr. Henderson, of the Portland office, made a visit to this office during the first week of December and was instrumental in clearing up a lot of knotty problems.

Mr. Brinig has secured quite a few large contracts for 1926.

At this writing, Pittsburgh is still in the midst of a regular tropical rainy season, but business does not seem to have been dampened, especially in this office.

Mr. Mack has also turned philanthropist and is collecting money for the poor starving children of Buffalo, New York.

NEW YORK

The New York office wishes to extend through this column best wishes for a prosperous year to the mill, Portland office and branch offices of the company.

Mr. Levett of Miller, Tompkins & Co. was very much impressed with our mill which he recently visited in company with our Mr. Starr.

Francis Smith is back with us again after spending a month in the Chicago office territory.

We had a very pleasant call from Hugh K. Moore who has just been elected to the office of President of the American Institute of Chemical Engineers.

Ralph Sawyer of Berlin was a welcomed visitor to our office this month.

We have had the pleasure of welcoming Captain J. S. Doubleday, formerly instructor at the Castle Heights Military Academy, Lebanon, Tenn. He has deserted

military life to accept a position as salesman, working from the Atlanta office and, at the present writing, is at the mill with Joe May from our office.

After Joe May returns from Berlin where he is taking a post graduate course under the supervision of Dr. Corbin, we will not have to ask for information from the mill as we expect him to be a walking encyclopedia on mill knowledge.

Messrs. Charlie Fogarty and D. D. Patterson witnessed the impressive performance of Red Grange whose work aided materially in the defeat of the New York Giants by the Chicago Bears.

ST. LOUIS

November 8th Mr. Geo. S. Otey, president of the Hesse Envelope Co. of Texas and vice-president of the Gulf Envelope Co. of Houston, passed away suddenly. These companies are associated with the Hesse Envelope Co. of this city of which Mr. Eugene H. Harms is president.

Business conditions in this territory within the past month have taken on a new lease of life and general industry looks forward to a very steady volume of business for the first six months of 1926.

We understand that the Southern Paper Mills have had reported to them favorable action by the Western Freight Association on freight rates from the south to and including the territory covered by Missouri, Oklahoma, Kansas, Illinois and Iowa, and that if this finally passes the Interstate Commerce Commission, there will be a reduction in rates from Elizabeth, La., and East Monroe, of 19c or 20c per cwt.

MINNEAPOLIS

The Carpenter Paper Company of Iowa ran another Nibroc campaign during October which resulted in 55 new installations of Nibroc Towels. They were a little disappointed with this small number but considering the fact that their June campaign netted them well over 100 new installations totaling over 200 cabinets, they feel pretty well satisfied with the results. During the last campaign they made use of the Fulton Paper Company's idea of Nibroc Towel signs on their trucks and

had three of their trucks thus equipped. The signs were so attractive and life-like that one of the Merchants Transfer Truck horses attempted to eat the Towel with the result that the sign was destroyed and had to be removed. Mr. Spaulding, manager of the Coarse Paper Department of the Carpenter Paper Company says, "Even the horses in Iowa know a good thing when they see it."

Mr. George P. Locke has been working in our territory the past week calling on the paper mills in Minnesota and Wisconsin.

Our Mr. Johnson, together with Mr. Wiedemann of the McLellan Paper Company have done some good work the past month on Nibroc Towels in Minneapolis and St. Paul, having obtained a 100 case test in the State Capitol, also tests with the Great Northern, Northern Pacific and Soo Line Railroads.

The Carpenter Paper Company of Iowa advise that whenever they have trouble with the wrappers on some of their packages of fine paper they always suggest to their source of supply that this trouble can be eliminated if the right type of wrapper were used, namely: NIBROC KRAFT. We are glad to report that they have just placed another one of their mill connections on their books for about one-half car of Winter Gray Nibroc Kraft for sealing wrappers, all of which goes to show that quality talks louder than price in the long run—if one talks long enough.

PACIFIC COAST

We recently had the pleasure of greeting Walter Priest Brockway, the son of Mr. Brockway of the Portland Office. Mr. Brockway had recently returned from China and the Philippines and we enjoyed his descriptions of his experiences.

Larry Gurnett, son of Mr. Gurnett of the Portland Office, has been advanced to a position of City Salesman with Bonestell & Co., one of our valued customers, here in San Francisco.

Miss Elsie Pick is now associated with this office, having taken the position vacated by Miss Frances Fowler, who returned to her home in Stockton.

Mr. Earl Van Pool of the Pacific Coast Office, played in the Blake, Moffitt & Towne, Los Angeles, Wrapping Sales Golf Tournament at the Encino Country Club held in Los Angeles the latter part of November. Mr. William Brunaugh, Manager of Sales of the Coarse Paper Department of Blake, Moffitt & Towne, Los

Angeles, reports "Mr. Van Pool, the winner, went around in 78. Several of the others also started."

Golf is a popular sport in this part of the country, those playing on the Municipal Links on Sunday having to be there before four o'clock in the morning to sign

up if they are to get on at any reasonable time.

The Pacific Coast Office wishes to extend through the columns of "The Bulletin," best wishes for a harmonious New Year to all those associated with the company.

PORTLAND OFFICE

Red Grange is a nationally known football player but in South Portland there is one better player and Bill Barry reluctantly admits that his brother shades Red a bit.

Scott F. McIntyre, paper sales division, has been promoted to the Minneapolis agency, succeeding Mel Pray, transferred to the Chicago Office.

Gilford Henderson, paper sales division, has joined the ranks of the Benedicts, as Gil was married recently and the boys of the office presented him with a substantial purse.

We sympathize with Herbert Waterhouse. His mother died Dec. 14, 1925, at a very advanced age.

Harold Collins was away from Portland for the best part of a week in connection with the Forestry Exhibition at Springfield, Mass. Thirty-five different products were exhibited, all made by the Company from wood. The exhibition was well attended and our booth was of great interest to the visitors many of whom were surprised to learn that the Brown Company had gone so far in the varied utilization of the forest.

Mr. Sherman left on another visit to Florida in the middle of the month. Up to the time of his departure this seemed to be another winter in which it is as snowless and almost as warm in Maine.

Said the Remington to the Underwood, "I bet you'd be Noiseless if you could." Said the Underwood to the Remington, "I think the noise is half the fun."

Walter has grieved so constantly for his Island, from which he has been torn away for the winter, that he is now being urged to take a month off and spend it at the Peaks Island House.

On December 8th, Mr. Herbert J. Brown and family moved in from Falmouth Fore-side to their State Street house.

Mr. and Mrs. Sample of Berlin were recent visitors here. The few that were fortunate enough to see Bob reported him as looking well and happy.

Phil Grover has at last bought that radio set. It is evident enough now that Phil was only exercising his usual caution with the idea of getting the best on the market. That he did so is evidenced by the list of stations that he submitted one morning recently.

Gene Dupont, former hockey star, now located in Portland expects soon to have his Deering High team ready to tackle the best in this locality.

Verne Clough, chemical sales division, just got back from another week-end trip to East Rochester. Verne must have more of an attraction than just to go home, for his trips are getting more frequent each month.

Gene Dupont spent a few days recently in Berlin on company business.

The next time Cliff takes a chance at a raffle he should make sure there is only one No. 70 in the hat.

In order to convince Cady that his gasoline was dry the other morning and that he had to go to a garage and carry enough to start his car, Pomerleau brought the car into the office as evidence.

F. J. Foster has been transferred from the Maine General Hospital to the accounting department. He is to take up the work previously done by Arthur Kimball, who has been transferred to the cost sheets.

P. G. Peterson, accountant department, recently won a box of chocolates, that is

he thought he did until he got home, when Mrs. Peterson found that bits of scrap paper had no resemblance to chocolates whatever. Ask Dupont for particulars.

George M. Fozzard of the building supplies division, attended the annual convention of the State Grange at Bangor the past week.

Earl Kavanough of the building supplies division was recently elected Ward Clerk in Ward Nine.

We are certainly glad that election is over as Earl's question to customers, "Do you live in Ward Nine," will cease.

James Lunt says Daylight Saving died hard among the employees.

Helo King just returned from his trip to the Brown Company plantation in Florida and reports a very interesting and beneficial visit.

He went down by rail, requiring two nights and three days to West Palm Beach, thence by auto 46 miles to Belle Glade Post Office, where he was met by the superintendent in a small boat and sailed down the canal about fourteen miles to the plantation.

The Everglades may be likened to a prairie, covered with grass, two to four feet high, with rarely a bush and with no trees or hills in sight. All perfectly level and green to the horizon in every direction. The canal was about sixty feet wide and flowing slowly to the sea. The banks were covered with moon-vine, having a white blossom like our morning-glory. Plants were in bloom and although the temperature fell to thirty-four degrees one night it would soon warm up when the sun came up. Mr. King returned by steamer from Miami to New York City direct and reports complete recovery and a very interesting trip.

L. N. Stack, purchasing department has been honored by the Portland Athletic Club in being elected to its directorate. He is also manager of the basketball team. Already we are assured of games with such attractions as Boston College, University of Maine, and New Hampshire State.

Ralph E. Dyer of the pulp sales division recently purchased a radio, and he now is able to get the Congress Square, Westbrook and East Deering very clearly. Talk about radio, Ralph is some pool player, and if you do not believe it, ask the Duke, who is near the top in the Brown Company aggregation. Ralph plays pool in the daytime and manipulates the radio at night, so he is really becoming acquainted with his family once more.

George Q. Grant of the pulp sales division recently swapped his Ford limousine for a watch and now he reaches the office on time.

Tom Churchill had his first blowout a few days ago—on his automobile of course. Mighty good tire service however, considering that the original tires are still on

his car after three years' service. Tom swears by Goodrich Silvertown Cords. There are some things Tom will not swear by, however, and one of these is a costly glycerine mixture for automobile radiators.

There has been a great deal of noise in the financial department of late. Anybody wishing to know what it was all about ask George, he knows.

Arthur T. Spring and William T. Callahan recently attended the Harvard-Yale game. Bill says, "He has seen many a high school game that was better."

It was with regret that the boys of the Portland Office learned of the death of Harold M. Greene who for a number of years was connected with the financial department.

M. S. Flint of the New York Office, was a recent visitor in Portland.

E. H. Maling, accounting department, one of the members of the committee on the new Baptist Church building, reports the quota has been oversubscribed.

Walter B. Brockway, comptroller, has been reelected director, representing this office, of the Brown Bulletin and has appointed the following to act in the capacity of reporters in their respective departments, for the ensuing year:

Chief reporter for month of	Name	Department
Jan.	Wm. M. Barrett	Accounting
Feb.	Bryan Cady	Window Frames
Mar.	John A. Kelsey	Executive
Apr.	Harold B. Chase	Purchasing
May	Thos. D. Churchill	Pulp Sales
June	H. H. Willis	Financial & Credit
July	H. A. Collins	Adv. and Market Studies
Aug.	H. J. Gormley	Building Mat'ls
Sept.	Wm. M. Barrett	Accounting
Oct.	Bryan Cady	Window Frames
Nov.	John A. Kelsey	Executive
Dec.	Harold B. Chase	Purchasing

William M. Barrett is the reporter this month, and Bryan Cady will receive items for next month's issue.

F. W. Thompson and C. J. Birkenmayer spent a week in Canada visiting various offices on business.

Walter Forrest has been transferred from the accounting department to the general sales division.

PHILOTECHNICAL SOCIETY

On Wednesday, December 2, Technical Director H. D. Evans of the Bates Manufacturing Company of Lewiston spoke upon "Cotton Manufacture," bringing out the following interesting facts. Cotton is the most important of the vegetable textile fibres. It consists of hairs which occur attached to the seeds of various species of plants, which originally came from Southern Asia, tropical Africa, the West Indies and South America and have been successfully introduced in other lands. Although no species is native to North America, the United States now produces fully two-thirds of the world's supply. The quality of cotton is judged by the length of its fibres, which in various grades vary from $\frac{3}{4}$ to $2\frac{1}{2}$ inches in length. Among the choicest grades are Sea Island and Egyptian cotton, which are especially long and strong. The latter goes into the fabrics for making automobile tires.

Mr. Evans sketched the cultivation of cotton, the picking by hand for no machine has yet proved itself practicable for extensive use, the ginning with the saw gin invented in 1792 by Whitney and suited to American cotton and the roller gin that is used for long-staple cotton, and the pressing into bales of 500 lbs. each, the form in which it comes to New England mills.

Cotton manufacture is largely mechani-

cal through the spinning and weaving processes, and then chemistry has a part to play in the bleaching and dyeing. Mr. Evans described the processes of opening, scutching, carding, combing, drawing into the sliver, twisting into the roving, which are preliminary to the spinning which may be done on ring spinners or on mules. In his discussion of weaving, he went into the work of the jacquard looms, which are used for making the bed spreads, in which the Bates Manufacturing Company specializes.

Mr. Evans described the future of New England cotton manufacture as dependent upon the ability to make specialized products. Whereas the South has advantages of proximity to raw material and cheap power, yet New England has more and better skilled workers, who have several generations of experience. The French Canadians of Lewiston, for example, have a stake in the community, own their homes, and are intelligent citizens. The Southern textile people are not so settled and do not yet have the hang of the trade so well. He emphasized the need of making what the customer wants, rather than adopting a dictatorial method. He also stressed the need of energetic creation of new designs. His own firm finds its own designs imitated after a short period by its competitors. It then abandons these, and adopts new ones that

keep it ahead of all others. As a result, it makes the larger proportion of the bedspreads manufactured in this country.

MAJOR C. H. MASON

On Tuesday, December 15, Major C. H. Mason, addressed the Society on the subject "We and Our World." Major Mason is now a resident of Concord, N. H., and is on detached leave from the Regular Army in order to be in charge of the New Hampshire Organized Reserves. During the World War he was in charge of Positive Intelligence at the Army Staff College and was also sent on a number of important missions to foreign countries. He has therefore had the advantage of getting a world viewpoint.

He pictured the people of North and South America as a population of two hundred million, who are more or less spectators of the drama of nine hundred million Asiatics pressing continually westward against five hundred million Europeans. He found four important influences in this world about us; the economic, the political, the element of force, and the psychological. His talk was replete in examples showing the historical instances and geographical lines along which the European had made a stand against the Asiatic hordes, the interdependence of our country and other nations

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Y. M. C. A. NOTES

"Enrollment Week" at the Y. M. C. A. resulted in securing 461 memberships of which 214 were new members; thus bringing the total enrollment up nearly to the 1000 mark. Honors went to the "Tories" headed by George Reid of the Chemical Mill. He had a well-running organization that carried all before them. The individual team led by Eli Marcoux of the Research did excellent work and made a fine showing.

SULPHITE MILL BOWLERS LEAD

Flying the colors of Yale, the Sulphite Mill bowlers, Watt, Ryan and Riva, won the first round in the "Eastern" section of the bowling league on the Y. M. C. A. alleys. It was not a walkaway for the "Dartmouth" team of Brad Whitten, MacArthur and Simmons were close behind. All fall bowling has afforded keen competition making those who won extend themselves. Some excellent scores have been rolled. In the "Eastern" section Earle Sylvester of the forestry department came in from the woods long enough to hang up a 125. Brad Whitten of the engineers has the best average with 97, beating out Watt in the last match. The high string honors went to Crowell with 324.

The "Western" section, "Stanford," represented by Frank Hannah, "Skish" Oleson and Billy Cantin are leading, followed by a team of Research men—Steady, Hescok and Roach—who bowl under the colors of "Chicago." The best single score in this division is a 142 by William Oleson, Jr. He also has the high string with 338. Billy Cantin has strings of 331 and 332.

Standing of the Teams

Eastern		Western	
Team	Points	Team	Points
Yale	25	Stanford	21
Dartmouth	20	Chicago	18
Brown	18	Centre	16
Bates	15	Nebraska	15
Harvard	10	Notre Dame	10
Bowdoin	9	Wisconsin	10
N. H. University	8	Illinois	7
Maine	7	California	4

Players

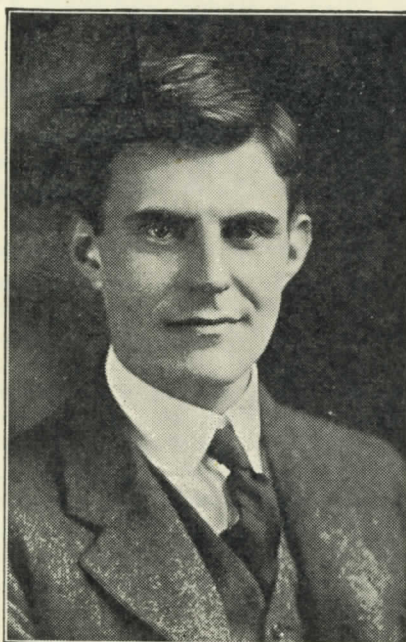
"Eastern": Dartmouth,—Whitten, Simmons, MacArthur; Maine—Bowles, Roby, Sylvester; Bowdoin—Givens, Veazey, Eichel; N. H. Univ.—Keroack, Morse, A. Buckley; Brown—W. Buckley, Oswell, Pilgrim; Yale—Ryan, Watt, Riva; Harvard—Martin, Crowell, Gorham; Bates—Little, Kilgore, Philbrick. "Western": Chicago—Steady, Hescok, Roach; Wisconsin—Staford, Dresser, Stillson; Stanford—Hannah, Oleson, Cantin; Notre Dame—Martin, Baker, Thomas; California—Haweeli, Graves, Vaillancourt; Centre—Hughes, Levesque, Locke; Nebraska—Oleson, Sheridan, Demers; Illinois, Nelson, Kimball, Lowe.

Large Membership

With a total of 975 members in good standing, the Berlin Y. M. C. A. has the largest membership it has had in a number of years. With this increase in membership there has also been a marked increase in gymnasium attendance as shown by the figures.

	1924		1925	
	Enrollment	Ave. per Class	Enrollment	Ave. per Class
Business Men	34	20	42	25
Young Men	30	15	60	30
High School Boys	24	13	35	32
Jr. High Boys	26	11	36	23
Gram. School Boys	54	32	55	46
Totals	158	91	228	156

In a recent Swimming Efficiency Test based on standards used nationally one boy, Charles Ouilette, made a perfect score. 11 others passed with marks over 80%.



Courtesy Berlin Reporter

GOVERNOR JOHN G. WINANT

GOVERNOR WINANT

SPEAKS TO HI-Y BOYS

Berlin High School boys entertained Governor John G. Winant at a dinner in the Berlin Y. M. C. A. on December 1st. His Excellency gave a stirring address to the lads on the subject of right living. The affair was run by the Hi-Y Club.

"Y" SOCIAL ON NEW YEAR'S NIGHT

Another of the series of social events at the Y. M. C. A. will be held on Friday, January 1st, in the Gymnasium. An attractive program followed by dancing will be the feature. Al Perkins' Orchestra will play.

WHY RADIO EDITORS

OFTEN GO "FLOOEY"

Here is what "Dallas, Texas," wrote to the editor of "QST," official organ of American Radio Relay League:

Dear Sir—I have been advised that you are a pretty good authority on matters pertaining to radio reception and transmission and would like to ask your advice on several matters which have puzzled me for some time.

I have a 5-kw, double-barrel, seven passenger, triple-valve, non-skip outfit, complete with U. S. Safety appliance (standard) and Timken rear axle, which I use in connection with a 210-volt hammerless, self-winding, automatic, 16-jewel, nickel-plated Marconi antenna with pneumatic tires. Have had a great deal of trouble with my Galena at night since I started using vegetable compound, but get better results by painting it with iodine. I can get undamped waves all right with my regenerative vacuum sweeper in dry weather if I use my Curtis rubber ear cushions, but on Sundays I find that my rheostat keeps interfering with the differential so that it is necessary to cut in a small .0045 M. F. washboard between the piano and the kitchen sink.

Until recently I used a 5-string, tenor, hardwood amplifier with 240 turns of No. 4 1-2 barb wire around the front sight cover, but I found that with this arrangement the felicity of the heating element had a tendency to become impregnated with the pigment from the valve stem, so on advice from General John Pershing I removed the drift slide and substituted a duplex automatic stoker, which allows the left dorsal ulna bone to oscillate between the hydrometer and the upper sling swivel and prevents the choke coils from short-circuiting the permanent wage length.

I was wondering if by placing the blow-off cock in juxtaposition to the universal joint on the loop aerial and using an emergency application of air on the primary windings, would the cubic capacity of the variable condenser in any way affect the centrifugal dirt collector of the three-way switch of the microphone, and if so, would this be a reversible reaction? Also do you think that by using more chalk and a little high English on the cue ball, would the pilot beam interfere with the insulation on the superheater pipes?

Any suggestions you have to make in regard to the foregoing matters will be greatly appreciated by me.

Yours very truly,

A. N. R. NOVICE.

—Boston Post.

RIVERSIDE SMOKE

Old Dame Matrimony is about to make another raid on our quite popular girls. This time she takes away our Bertha, one of the best in any company as regards personality, mentality, loyalty, and, above all, quality. She will be sorely missed by all her fellow employees, both men and girls, but they wish her the greatest measure of happiness and good luck when she leaves for one of the great events of her life, to become the bride of Wendell Murray, another one of our popular employees. We regret to say that they leave for the Pacific North West to make their future home, and that about all that will be left will be old maids and grass widows.

Syl. Peters and Bill Johnson's hunting trip did not pan out very well as far as deer meat is concerned, but as far as a good time, it would be hard to beat.

Johnson has not showed up yet. It is said he had trouble with his heart. You could readily believe it if you knew his partner on No. 4 cutter.

Bill Lemire has partially subsided on arguing over the whys and wherefores of the new system and by so doing has eased other people's minds and stomachs, and paved the way to get a good daily bonus for himself.

We have had the pleasure of several days' acquaintance with Messrs. John Kimball, Joe May and Joe Doubleday. Now May has been a salesman connected with the New York office several years, the other two young men are to act as salesmen. Mr. Kimball in the mid-west and Mr. Doubleday in the south.

They were sent here to learn something of the manufacture and shipping and of the business, which is a blank to most of the salesmen.

All three are mighty nice fellows and if they can make as good customers as they made good friends their future is assured and the Brown Company will profit by it.

PAINT DEPARTMENT PLANT

John, we would like to know when you are giving a dance again at Milan, as we would all like to come. We are all out of rouge, but I guess what you use on your face would do for ours. Would you please let us borrow some?

What's the matter, Mamie? Are you blue because Shy sold his car? Cheer up, better days are coming. How much did he get for it?

Margaret, take better care of your kid sister, Helen. I saw her out in a coupe a few nights ago.

Mr. Hull: Please do not send up any more surprise packages to the enameling plant girls as they have not time to open them. "Busy crew."

Evelyn never gives us a smile when we come up after cabinets. What's the matter, Evelyn? Are you afraid we'll tell him? We are waiting to hear your wedding bells June 1st, 1926.

TOWEL ROOM

Marie Parent will bet from one dollar to a hundred on the Berlin hockey team. Hope you haven't got the wrong ones, Marie.

Jennie has learned a lot of new songs.

Alice Frechette and Annette Lapointe still believe in Santa Claus. We hope you get your wish.

Ethel claims Pete can bring her the best chocolates in the world. Oh, no, not the 5-and-10 kind.

Eva Michaud is still a hockey fan.

Alice Dion has a private mail box, when a certain feller comes on shift from 4 to 12.

Ida thinks it's easy to work on just one machine.

Eva Bedard believes in mosquitoes for she got bit between the eyes. Tough luck.

Julia has jumped in society for Eva B. is entertaining.

Esther is dancing the Charleston. Now, What next?

Marguerite Gilbert gets mad when she loafes during Xmas time.

Marguerite T. is quite a high jumper.

Yvonne Dion is soon to announce her engagement.

Emma Demars is going to a midnight party Xmas night. Pretty late.

Our Zina is lonesome since Emile has been transferred to the Upper Plants. Cheer up.

Jeanette McGivney is making a big hit with the salesman. Good, for you will work more steady.

Alice and Annette will soon join the marathon, for they train every night.

Our Bill Therrien is making a big bonus. No wonder, he oils all the time.

All you can see at noon is dust flying around now that the boys are on the bonus.

Sylvio Morneau, our new-comer, claims he ought to get a few minutes' spare time to chat with the girls. No chance.

Tony has an awful wicked eye on Friday. What's the reason, Tony?

Mr. Byron claims he is the champion of the world.

Our Bertha is anxious for Xmas to come. We wonder why.

Alice: "Reginald, did you tell my father your love was gushing for me?"
Reginald: "Yes; he said 'Dam it.'"

If the gentleman who breaks into our locker will kindly come and ask us to open it, we will be very glad to open it for him, instead of breaking the lock. Thank you.

We wonder who was the little girl that Reginald Hughes fell for in the towel room.

Fred Vallis, better known as "Pea Soup," says that his legs are so crooked that he can't climb on the stack. Why not have them broke over and possibly straightened?

Archie Tourangeau has gone into the chopping business. Five cords of wood isn't bad for a day's work.



BROWN CORPORATION



LA TUQUE

MAIN OFFICE RECORDER

We hear from reliable sources that a very large industry will soon be starting up in La Tuque. Down No. 4, building activities have commenced, and accommodations for several thousand hens will soon be completed, when all the eggs markets within a radius of 80 miles will be supplied. Charles and Henry, our local hen-fruit merchants, are very downcast at the news.

Little Willie may be small of stature, but he has a heavy hand. When he is operating his typewriter, all the old soldiers who served in France are continually ducking for shelter, under the impression that "Fritzie" is putting up a heavy machine-gun barrage. One party said it reminded him of a prehistoric woodpecker (very large size) drilling boiler plate.

Tom Garvin reports that he saw several crows flying over the power house last Thursday (Dec. 3rd). Now, Harry, give us one of your fish yarns and beat him.

We understand that Jack Fairbairn has signed on as publicity agent for the coming hen ranch. Get your dope from Henry Murch, Jack.

Charles and Achille are pulling off a race from the office to the hospital in the far future, "Archie" in his Lizzie and Charlie with his quadruped and buggy. Combatants are barred from pushing behind.

When the Parson Visited the Office Britton—I notice there is an odor of sanctity around here this morning.

Murch—Gee, I thought it was the mill.

Will some one kindly inform us why Messrs. Houldsworth, Arsenault and Griffiths took a taxi from the office on the night of November 25th. What was the hurry, boys?

The cash and carry store seems to be a great aid to Reg. Fairbairn. He gets his lemons there, then goes next door and cash and carry again, but not in a bag.

Fitz, our lats harness maker, left re-

cently for Detroit and before leaving, being well equipped with wearing apparel for the north country and our cold winters, decided that he would not require such clothing where he was going. He made a will (verbally), leaving part of his equipment to George Todd and others. What we would like to know is if the parties to whom he left different articles ever received same, and where did S. S. Gillard get the mackinaw and boots he is now wearing, and wish to know if he was mentioned in said will.—Boarding House Enquirer.

TIME OFFICE OBSERVER

Anyone passing by a certain house on Commercial Street, can usually hear the two Teds wailing that well-known ditty, "Get Your Hair Cut." Why are they so fond of that special song?

The radio fiends are at it again. Henry Murch has become an addict. We wonder if he will hear any bears over the radio.

COMMUNITY CLUB NOTES

The La Tuque Badminton Club visited Grand Mere Badminton Club, November 20th and 21st. The first games were seven matches of singles of which La Tuque won five. Grand Mere came back strong and won all the doubles matches, making the score five matches apiece.

Grand Mere Basket Ball Team visited La Tuque, November 29th. La Tuque boys proved too strong for the visitors and the game ended with the score standing 43 to 22.

CHEMICAL DIGEST

Our two welterweight aspirants, Tony and Toroff decided to see who was the best. They journeyed over to the back of the Salt Cake sheds to do their stuff. No referee, timekeeper or seconds were needed. On reporting to work next day, both of them seemed a little the worse for having it out. It has been proposed by a number that these two could supply a good bout at our next smoker.

We are glad to see Jeff Hayes back at work again. We hope that he will not have a relapse and have to be placed under the doctor's care again.

D. H. McMurtrie of the research department, Berlin, is experimenting in our wash room. After working hours he and other old timers of the Boarding House indulge in considerable chinning.

Harry Clifford, our boiler engineer, spent the latter weeks of November at Berlin, N. H. Our old friend, John Quinn, accompanied him around considerably. We have no qualms about the ability of Harry to look after himself, as he has proved himself any number of times.

Our department head, Michael J. Dumit, left us soon after Christmas. He is going to take up work in a paper mill in the State of Mississippi. We are sorry to lose Mike and wish that he could stay. We all wish him the best of good luck in his new venture.

Marborough Packard is leaving shortly to spend a few days at Port Myers, Florida. It's a safe bet that he will become very interested in sea bathing.

Mr. F. W. Thompson from Portland Office spent a day at La Tuque on business recently.

Mr. L. Krahe has joined Mr. R. McBride and they are plugging away so as to clean up everything before Christmas.

The stork visited Eddy White's domicile on November 20th and left a baby girl. He also paid a visit to Phil Martinson's abode on November 22nd. and left a baby boy. Eddy has been heard to say that if Phil's nipper comes after his daughter, he will have to go home at a respectable hour.

The Boy Scout Movement in La Tuque is steadily growing. At a dance given recently by the Scouts, \$70.00 was made. This amount will about pay for all the equipment they have had to have.

HOCKEY MEETING

The Annual General Meeting of the La Tuque Hockey League was held in the Community Club Rooms. The financial statement was read and approved. Mr. Simmons Brown spoke on the good work done by our senior team and the excellent shape that the finances stood at the end of the season. Mr. Brown was elected as president for the coming season with

Messrs. Belleau, Cleland, Arsenault and Clifford as an executive. Mr. George Braithwaite will again do the managerial stuff.

The general outlook for the season is good as Three Rivers has asked to be allowed to join the St. Maurice Valley loop.

It was moved and seconded that a letter of condolence be sent to the parents of Romeo Genois who was an active member of our last season's senior team. The meeting was then adjourned.

RECOVERY ROOM NOTES

Quite a few people, who have not been present before, are beginning to attend the dances at the Community Club. Among them is our estimable citizen and efficient oiler at the mill, Thomas Tremblay. He says he noticed that they are dancing a new one now, called "Le Monjoune" which is a combination of the valse, two-step and forest krut. Next time you come, Thomas, show us that, eh!

We are sending an interesting early photograph of La Tuque. Although it is faded, we hope that the engravers and printers can bring it out better. It was taken shortly after construction work began here. The Indian with his family had been camping every summer on the site where the mill now stands, and was very much surprised when he found that a pulp mill was being erected.

Left to right, they are Black Aldrich with paddle, John Carter, Mr. Iverson, first superintendent; John Laloche, Indian standing, Mr. A. G. Walker, then of Williams and Wilson, and John Quinn at extreme right holding girl's hand.

As plans are well under way for Mr. Werner's hen project, and as this is going to be no mean backyard henner, but egg production on a large scale, and in a business-like manner, the following suggestions on advertising to help market the tremendous output are given, and the writer has plenty more ideas which he would be pleased to offer if consulted.

Suggested design for box:

ONE DOZEN

WERNER BRAND

LAI D _____ 192 _____

EGGS

from
Contented
HENS

Billboard design:

Don't Say Eggs! Say
WERNER BRAND
The Egg supreme!

Suggested poster:

WERNER BRAND
The Complete Food
One Werner Brand Egg
Contains as much food value as
4 Dishes of salad, as served at Elks' dances.
1 Can of Scott Robinsons' jam.
6 Stacks of Jack Fairbairn's hot cakes.
2 Hot Dogs, as served at Gagnon's pool room.
5 Plates of Caleb Maxwell's boiled dinner.
Laid by contented hens (1 sq. ft. per hen ground space)

Gathered by loving hands
Packed with tender care
WERNER BRAND EGGS

THE B. H. CHRONICLE

With the deepest regret we report that our veteran piper, Mr. S. S. Gillard, better known as "Tiny," has suffered a relapse from his recent excitement, and has been



confined to bed with a mild sickness.

Since his new position in life as a fiancée, we have noticed that he has been apparently high strung and slightly nervous, and so the relapse can hardly be said to be entirely unexpected although rather later than we imagined it would be.

From recent reports we hear that his condition is not serious, however, and no doubt he will survive and return to his usual state of good health to greet us once again with his serene and smiling face as of old. We join heartily in wishing him a speedy recovery and hope, now that the shock is over, he will be immune from any more attacks of a like nature.

"IN THE GLOAMING"

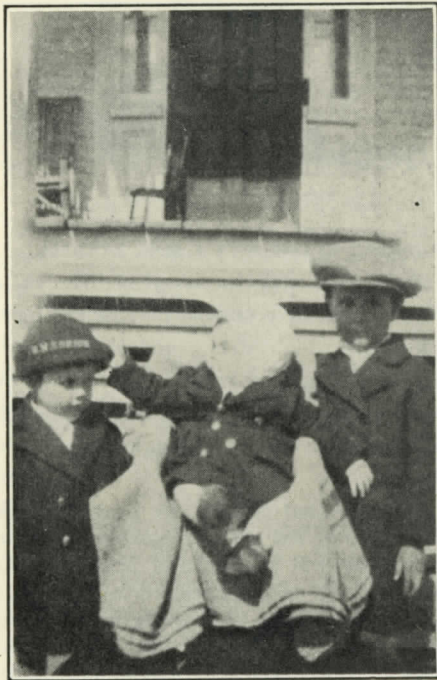
Sung by B. H. Quartet

In the gloaming, oh my darling,
When the gas is dim and low,
That your face with powder's painted
How am I sweetheart, to know?

Twice this month I've had to wrap up
Every coat that I possess
To the cleaners—won't you, darling,
Love me more and powder less?



LA TUQUE PIONEERS



PART OF YOUNGER GENERATION AT PAPINACHOIS

QUEBEC OFFICE

Now that the ice is with us again, the Quebec Office is again hearing a lot about curling, that good old Scotch game that was the subject of a story that we sent last year. In the meantime, the following commandments and anecdote have found a place in our scrap book and may be of interest to our friends in the States.

CURLING COMMANDMENTS

- 1 Thou shalt have no other games before me, for I am the roarin' game, which was in the beginning (even in the stone age) is now and ever shall be.
- 2 Come not upon the ice with the old house broom; thou canst not quicken the pace of a dying rock with a last year's broom.
- 3 Thou shalt learn the turn, both the out and the in, for the skip will not hold him guiltless who throweth a wrong turn.
- 4 Play not a running shot when thou art asked for a guard, lest thou raise thine own shot, so sending thy skip in the air; such playing getteth his goat, queereth his game, causeth him to swallow his gum and revile thee openly.
- 5 Thou shalt hearken diligently to the defeated skip when his voice is lifted up in lamentation against the punk ice, and thou shalt turn thy face from him when he blameth his third man, even so shalt thou secure a listener

against the day of thine own defeat.

- 6 Thou shalt not strew straws from thy broom in the path of thine own or thine adversary's rock, neither shalt thou expectorate in front of them to haul in their course, and to die suddenly, and become pork, for even as pork is an abomination to the Jew, so also a hog in the sight of a skip.
- 7 Thou shalt have no other discourse with thine adversary while his foot is in the hack and his hand on the rock, but if thou wilt, thou canst pray for him.
- 8 Thou shalt not push nor kick a rock into the house from behind stealthily, for the opposing skip will know for a surety, and his anger will rise up in righteous indignation over thee and smite thee, even with the edge of a broom handle, and thrust thee hence from the sight of the curlers, and the days of thy curling shall be ended, for this is the unpardonable sin.
- 9 Thou shalt not covet thy opponent's rock, nor his broom, nor his lead player, neither shalt thou filch from him his third man who is his mainstay and a wall of defence in the day of battle.
- 10 And when thou cometh to the last end and hast won the game and hast still a rock to play and thou playest with great deliberation and thy rock gambols playfully down the ice, sailing jauntily around the guard and through the port, and wicketh thy adversary's rock into the house, so that it counts him the end of the game, and thou cometh down the ice in fear and trembling and art hailed by the enemy as a good sport and curler, and by thine own side, with groans and murmurings, and find thou hast peddled the game away, then shalt receive the proffered hand of thine adversary and wring it, even if in thy heart thou wouldst wish it were his neck.

—Abitibi "Broke Hustler."

A CURLING ANECDOTE

From the Royal Caledonian Club's Year Book

"I remember very well an unfortunate young fellow who came to grief in his very first game. He was from the tropics—the Niagara Peninsula—and had never seen snow or ice in his life till that year.

About the third end he walked up to the skip—who happened to be a partner of his in the Real Estate business, and tried to borrow his broom.

Slapping him on the shoulder, he addressed him as 'Cap.' 'Lend me your rubbers, Cap,' said he.

The skip's anger was terrible. Snatch-

ing up a ninety-six pound stone, with one blow he crushed the unhappy youth's skull like an egg-shell.

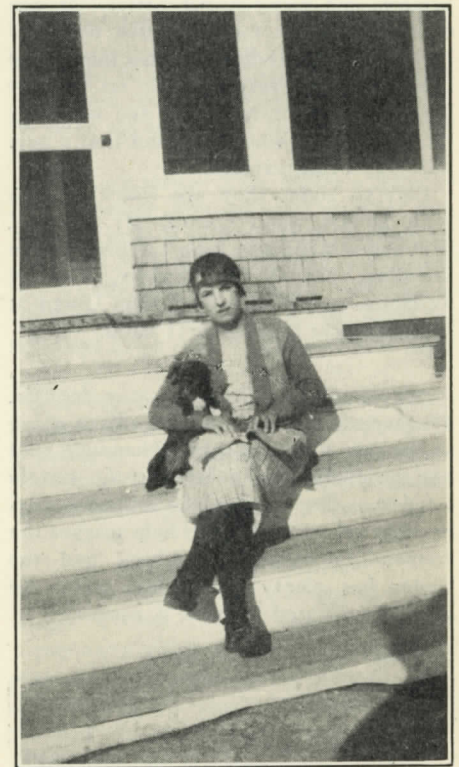
Poor young man! A promising player he was, too."

BERSIMIS OPERATION

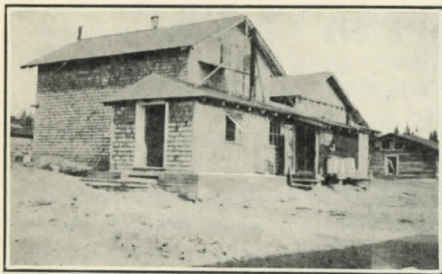
The past month has been rather dull in the vicinity of the Bersimis operation and we have not much in the line of news for this copy of the Bulletin. We are, however, enclosing some pictures of the operation. (Some of these are being held for future publication.—The Editors.)

Doc Johnston, the senior and only medical officer of the Papinachois Barracks, is taking lessons in the art of driving a Bur-low. Doc has made rapid progress to date and expects to be a real driver before spring.

Dan J. O'Hurley, formerly of Long Pond, gave an exhibition of his ability as a marksman recently. Dan fired seven shots at a partridge at twenty feet distance and failed to register once. Dan finally succeeded in killing said partridge with a club.



CASHIER OF STAR STEAM LAUNDRY



COOK HOUSE, PAPINOCHIS

We submit the following bit of near poetry for your approval.

I am tired of boiled beef and rabbits
And junk that comes out of a can;
The North Woods is no region to stick in
For this one particular man.

I am tired of salt pig and rice all
Commingle with highly spiced dope;
I am tired of bedbugs and lice all,
And washing with carbolic soap.

I am tired of bunks that are creaking
And shanties that leak in the rain.
I am tired of Cal Prairie's squeaking
And his songs that never will change.

Oh, to eat without fear of infection,
To sleep in the summer without a net,
To throw away all my collection
Of rackets and scale sticks, etc.

Oh, to be far from this wind with a tingle,
Far from this atmosphere, crispy and keen;
O Lord, once more just to mingle
With folks who ride in gas machines.

Oh, for the clash and the glamor
And the dear call of my best.
I would swap all this Northland splendor
That half-baked poets suggest.

They told me that the North was entralling
And that is why I started to roam,
But I hear the Southland calling,
Oh my, but I wish I were home.

H. C. S., with apologies to Kip.

Wishing you all a happy New Year. We remain the Legion of the North Shore.

LIST OF PROMOTIONS

Chemical Mill

Bjarne Hansen from exp. repairs to tour foreman.

William Fournier from exp. repairs to tour foreman.

Emile Fortier from exp. repairs to tour foreman.

LIST OF DEATHS

Sulphite Mill

Fred White was born July 3, 1865. He commenced work with the Brown Company Oct. 30, 1906, at the Sulphite Mill



DONALD GREIG AND JOE MURPHY HEEDING CALL OF INNER MAN

and has been employed continuously until his death which occurred Dec. 10, 1925.

Wilfred Belby was born Aug. 25, 1873. He commenced work with the Brown Company April 18, 1910. At the time of his death which occurred Dec. 7, 1925, he was working at the Sulphite Mill.

Riverside Mill

Robert Blair was born June 15, 1873. He commenced work with the Brown Company in January, 1911, at the Riverside Mill and has been employed continuously until his death which occurred Nov. 18, 1925.

Upper Plants

Reginald Watson was born May 7, 1903. He commenced work with the Brown Company June 18, 1918, at the Cascade Mill. At the time of his death which occurred Nov. 15, 1925, he was working at Tube Mill No. 2.

PHILOTECHNICAL SOCIETY

During the month of December, the Philotechnical Society has listened to two excellent scientific addresses, both of which deserve extended space in our paper. We regret that it is impossible to assure our readers that all of these papers can be reported fully in the Bulletin and that the only way that one can be certain of getting the benefit of the energy that the officers of the Society are putting into the arrangement of first class programs is to attend the meetings, to all of which the public is cordially invited. The next meeting of the Society will be held tonight (Friday, Jan. 1) at 7:30 p. m., at the Y. M. C. A., when Dr. D. B. Keyes of the United States Industrial Alcohol Company of Baltimore, Md., will speak upon "The Training of the Chemical Engineer."

Other meetings for January will be appropriately announced upon the various bulletin boards about the mills.



SAFETY

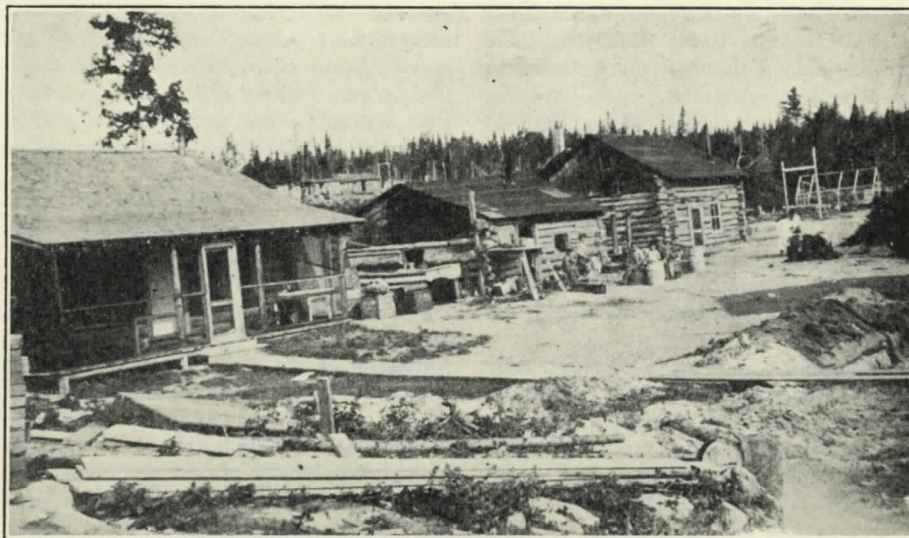
An Essence of Good Citizenship

Safety is not a creed strange or new
To be comprehended by but a few;
Nor is it just some new-fangled fad
That stresses weird horrors to make folks sad.
Safety is joyful, and bright, and gay,
It brings the hope of a better day;
Teaches that thinking stops accidents—
For Safety is naught but applied common sense!

"Safety is gruesome," folks oft declare,
But this is a statement that is not fair;
"Absence of Safety" indeed is drear
And soon breeds an air of distrust and fear.
Real, helpful Safety is like a flower
A bloom mid a thorny, neglected bower,
Giving its fragrance without pretense—
For Safety is naught but applied common sense!

Thinking of others at work or at play,
And watching your actions from day to day;
Teaching the children while they're at school;
Applying at all times the Golden Rule;
This, as you see, is a simple thing,
Yet brings joy in place of much sorrowing;
Brings happiness as its own recompense—
For Safety is naught but applied common sense!

—E. Everett Evans
—Secretary-Manager Battle Creek Safety Council.



GIRARD AVENUE LOOKING NORTH. HOTEL DECHENNE, CENTER. STAR STEAM LAUNDRY, RIGHT

Reminiscences of Earlier Berlin

By LOUVILLE PAINE, Sulphite Mill

(Continued from the December Issue)

SEEING my picture in the last "Bulletin" brought to mind the man of whom it was asked, "Hasn't your picture been in the papers?" Quite visibly chesting up he replied, "Ahem, very likely, quite likely." "Let's see," the questioner continued, "what disease was it you were cured of?" Surely, "pride goeth before a fall." In writing these articles from memory, I have come to the conclusion that there is more truth than poetry in the quotation, "Fools rush in where angels fear to tread," and that there is a liability of being relegated to Josh Billings' class of people who "know so many things that ain't so."

Reminiscences would not pass the censor nowadays, unless reference was made to "The Little Red Schoolhouse" and "The Old Swimmin' Hole." It is fortunate for historians at least, that Berlin Falls had a "Little Red Schoolhouse." It was situated on a knoll just back of the store recently vacated by Woolworth's. A roll call today could bring a response of "present" from John, William, and Holman Noyes; Jim Lavin, Charles Gerrish; Victor and Minnie King; Maria Mason, Dan Grover, Louville Paine; Peter and Aline Dubey; John Xilia, Mary, and Alec Coreau; Napoleon, Robert, Minnie, and Rosa Marchand; Ada Blodgett, Della McMann, Lucy Pouliet, Fred Dyer, Jim Perkins, Emily Jewell, Sadie Clark, Mamie Green, W. W. Burlingame, Owen and Oscar Cole. Some of the teachers were Dealbon Young, Clara Foster, Lettie Parker, Ina Crockett, Frank Burbank, Bode Mason, Nancy Folsom, Richard McGown, and Mrs. J. D. Andrews.

For "Swimmin' Holes," there were at least five, all of which were sufficiently removed as to allow the bathers to enjoy the pastime "a la Joe Knowles;" one was back and a little west of Bell's stable; one just below Hillside Avenue bridge; one at the "Bog"; one back of Albert Theatre; and one back of the Cross Foundry.

Sunday observance was very strict. Why it was so is a puzzling question. People were not particularly interested in religious affairs, but the custom was so strongly fixed in public opinion that to do a stroke of work not absolutely necessary, play, or open a store on Sunday was regarded as a matter of particular disgrace.

Before Eagle Hall was built, the

Catholics held services at the Falls in John King's house. On the map it is John McMann's. At the Mills, they used Abram Dupill's house. The Protestant services and Sunday School were held in the hall of the Berlin Mills Company, the Methodist minister from Milan usually supplying. During summer vacations, theological students officiated. Mrs. J. D. Andrews was organist, and the members of the choir were Jesse Tuttle, Frank Coffin, Eva Coffin (Hobbs) and Lizzie Jewell. Some of the teachers in the Sunday School were Frank Coffin, Mrs. Andrews, Mrs. Allen, and Mrs. Spaulding.

Mrs. J. D. Andrews has the first piano brought to town. It was made by Paxon of Rochester, N. Y. Like Niagara Falls, it is "running yet." It has a good tone and is remarkably well preserved. It was bought for her when she was eleven years old, and she has had it sixty-nine years. Mrs. Ina Wilson, Mrs. Andrews, and Miss Eva Philbrook were the first music teachers in town.

The Reform Club movement that spread over the country about 1875 struck Berlin. David Walsh says that C. C. Frost, a lawyer from Auburn, Me., came and organized the club here. Without doubt it was a help to many in controlling an appetite for strong drink. Not only was it helpful in this respect, but it assisted in developing known and unknown talents, for the weekly meetings had regular programmes of recitations, music, business, voluntary remarks, sometimes a set speech, exhortations to sign and keep the pledge, etc. Robert Wilson, a Scotchman, who was president at one time, had a vigorous enunciation and rolled his r's in a way that it would be hard to imitate. He would announce, "The next will be a solo by Ger-r-tie Mor-r-ill" (Cobb). The club had no meeting place, and a movement was started that resulted in the building of Eagle Hall (opposite the Revere Hotel). It had a hall upstairs and club rooms on the ground floor. Such a hall was much needed and was a real community affair.

The Catholics under Father Charland worshipped there, as did also the Universalists. Among the many other uses found for it were dances, amateur dramatics, travelling shows, a term of private "high school" taught by William Brooks,

fairs, political meetings, some hotly contested elections, trials, hearings, boxing matches, singing schools, roller skating, etc. Alton Blodgett was the builder and was the first Santa Claus in it.

With the building of Eagle Hall came the ambition to "speak" in public on the stage, and the dramas, "Down by the Sea" and "Among the Breakers" were the first to be put on. The cast of characters included A. K. Cole, John Wheeler, Jim Lavin, Will Ellis, Charles Gilbert, Rev. A. J. Benedict, Mrs. J. W. Parker, Fannie Mason, Maria Tuttle, Augusta Paine, and Charles Gerrish. Later on, heavier plays were produced, notably, "Fanchon, the Cricket." And now here is a challenge. At least 45 years ago "Boston Dip," a rousing farce by George M. Baker, was played in Eagle Hall by the following cast: Jim Lavin, Mrs. Ina Wilson, W. H. Gerrish, C. C. Gerrish, L. B. Paine, Gertrude Morrill, and Persis Chandler. All are living yet. Where can you beat it? Eagle Hall was later moved to Mechanic Street and renamed Music Hall.

H. Price Webber and his wife, formerly Miss Edwina Grey, conducted a travelling dramatic company for more than a lifetime. They came to Berlin often and stayed a week at a time. About a year ago, an item in a daily paper stated that after a short retirement he had decided to start out again, being then over eighty years old. Alf and Dick Martz, Komical Brown, and the Guy Family were annual visiting showmen for years.

The milk question was a serious question. At least I thought so, when I had to walk to A. H. Gerrish's at the Cascade every other day to get two quarts of milk. One of the trips fell on the memorable May 1st, on which date over a foot of snow fell. A merry party of sleighriders from Gorham hollered as they went by, "Hey, there, any Mayflowers around here?" I would say also, that Moses Hodgdon was thereby enabled with the help of his neighbors to get a carload of lumber that was left at his mill on the Ammonosuc by the early approach of spring, over to Milan Water Station (Copperville).

But to get back to the milk question. A. J. Howard saw the opportunity and with his faithful old gray horse, "Lijah," sold us milk at five and six cents per quart for years. Many other things from the

farm on Cates Hill he brought down and turned into cash. His buckboard loaded high with rhubarb made people stop and look. His enthusiasm was catching. He was something of a philosopher, as indicated by his maxim, "Don't get mad. It is the most foolish thing a man ever did." He was optimistic as shown by his stock story of the woman who had lost her seventh husband. She said, "If it wasn't for hope, the heart would die."

The late John Corbett claimed that H. Winslow was the first sport to go to the lake region fishing with a guide and that he acted in that capacity for Mr. Winslow. John said that, when Mr. Winslow hooked a fish it was his custom to take it in immediately. He would say, "Pull him in, pull him in. John, might as well pull him in right away and lose him as to play him half an hour and then lose him."

Frank Donahue, who died very recently in Gorham, an old time resident and a long time employee at the Burgess Mill, several years ago, talking about Berlin Falls as it used to be, said he wished he could see a picture of Berlin as it was then. I was pretty near "Johnny on the spot," as I had the old map in my pocket. He was much interested. He said he lived in the Monday house near the G. T. Station and that while he was at work by night in Winslow & Co.'s mill the house caught fire and burned down. Mrs. Donahue crawled out of the window in her nightdress with the baby, Frank, Jr., in her arms. Nothing was saved. He said that Mrs. C. C. Noyes, next door neighbor, gave his wife a dress and that Gardner Paine, who was working with him, gave him a coat.

Mr. W. W. Brown was a keen business man of the old school, courtly, pleasant, and always insistent on a square deal. He was heard to admonish the clerks in the store, "Give them good measure, boys, give them good measure."

He was a lover of a good horse, and many of us remember his reliable, handsome and very intelligent horse, "Doctor," petted by everybody. We need not invoke the aid of characterists in heredity to account for this characteristic so well developed in his sons. His interest in Berlin and human welfare manifested itself in the active form of substantial aid in building the Congregational church and the Y. M. C. A., and to many other worthy objects. Many of us have just enjoyed the annual gift of a Thanksgiving turkey, a custom established by Mr. Brown, when the crew was small. The wonderful growth and expansion of the Brown Company in business and in good works has indeed done great credit to its founder.

Like many another pioneer, when Mr. Brown founded the B. M. Co. "he builded better than he knew."

Mr. Lewis Brown was a member of the Berlin Mills firm and was the first, what is now termed "Superintendent" of the Woods Department. To the men in the woods the title is "Walking Boss." The duties of the superintendent are to keep the mill supplied with logs. Mr. Brown's genial personality and efficiency made him a very popular man. A glimpse of his humorous side was caught, when as one time he was jingling some coins in his pocket, he enquired of his hearers, if they had seen the new coinage, three pieces to the dollar. On receiving a negative answer he showed them two new quarters and a half.

His untimely death in the prime of life was an irreparable loss to the community. Mrs. Brown was much interested in Berlin people and took an active part in all good work for the betterment of the town. Her home is and always has been in Portland.

Jas. W. Parker, a nephew of the late W. W. Brown, came to Berlin, a young man just out of school, with a fine hand of good old Spencerian penmanship, and an ambition and tireless energy that graduated him through all the phases of B. M. Co.'s business activities to a shareholder in the concern. His influence for good in community affairs is a fresh memory with many of us. His recreation and sports were few. He swam with the boys and engaged in swimming matches with "Brinty" Oswell, in which it was usually "nip and tuck." He boxed with Benedict, the first settled minister, referred to in a former article. One principal recreation was solid reading. He succeeded Lewis Brown as Woods Superintendent, and later was manager of manufacture.

It is refreshing to talk with his old employees and learn of the esteem and respect they hold for him. He served as school committee in 1875. A copy of his report for that year's work is still in existence, from which we quote the following:

"District No. 6 (Jericho). Summer term taught by Miss Ada Blodgett. (Mrs. Hiram Rowell). Length of term, nine weeks, whole number of scholars ten, average nine. This was Miss Blodgett's second term in this district, and she as before gave perfect satisfaction. Fall term commenced by Miss Amelia McPherson, who kept one week but not liking gave up the school to Miss Lizzie T. Jewell (Mrs. J. W. Parker), who kept the remaining six weeks. The school made good progress, Miss Jewell as usual

sustaining her reputation as a good and thorough teacher."

Horace Sawyer had charge in the B. M. Co.'s yard and was regarded as a good lumberman. He had a quiet, hypnotic way of inducing the men to vote the Democratic ticket and was a force to be reckoned with at election time. Geo. R. Eaton was bookkeeper for Winslow & Co. and also the B. M. Co. Later in the lumber and store business at North Stratford and in banking and timberland dealing at Lancaster, he became one of the wealthiest men in the county. Horace Sawyer was associated with him in the mill business at Columbia.

John Wilson, a man zealous in good works, a strong temperance man, and a good neighbor, tended the grist-mill and worked in the filing room. When one was in trouble, about the first thing to do was to send for John. Boston liquor dealers used to send out agents to take orders from consumers and sent the innocent looking package by express. Someone thought it would be a huge joke and directed one of these agents to John Wilson. Suddenly after he had made the object of his visit known, he found himself going down the railroad yard on high with the occasional help of John's big boot as an accelerator.

Speaking of the "Yard" brings to mind John Farrington with his huge stentorian voice, directing the movements of his big horses trained to do the shifting. At his word of command the horses would give the cars a snap sending them to the proper sidings, and always keeping out of harm's way.

"Brinty" Oswell informs me that the shifting was formerly done with oxen, sometimes by use of a pole, pushing instead of pulling. Ben Hubbard was the teamster. What a change!

Measuring the timber is an important part of the business. Old time scaling by the "Bangor Rule" required good judgment to estimate the discounts for quality, crooks, etc. The scalers' work was healthful and conducive to longevity. So we conclude when we note the length of time that such men as Allen, X. F. Wardwell and L. C. Beattie continued in the profession.

Mr. Wm. Ellis and his wife ran the upper (now the Brown House) and lower boarding houses for a period of years and were followed by Frank McGown. In spite of the low price of board, it was a financial success in both cases. Ruel and Will McGown were choreboys for Mr. McGown, and our genial gate-tender, Croteau, tells me that he acted in that capacity for Mr. Ellis.

Henry Marston came from Ellsworth, Me. He was an experienced lumberman and took charge in the under part of B. M. Co.'s mill. His wife ran the "Lower Boarding House" now corner of Main and 2nd St. In a few years they accumulated enough, some of the time getting only \$2.62½ per week for board, to build the Cascade House, where the St. Regis school is now. In addition to the transient patronage, he catered to the summer boarder business. After selling the property for school purposes he built the Berlin House. He became Berlin's first mayor.

The G. T. burned wood in their little locomotives of that time. Their load was 22 cars. Today the load is over 70 cars, and the capacity is about double. The odd-shaped smoke stacks emitted a shower of sparks with each puff that looked like 4th of July fireworks. Jacob Dresser had charge of the wood sawing between Island Pond and Portland. He bought the Jericho farm, including the wood station, and a tract of cut-over timberland with the cord wood still on it and in 1875 moved his family there. He continued to furnish wood to the railroad until they changed over to coal.

He was employed for a time by the B. M. Co. and by the Forest Fibre Co. He served on the board of selectmen several terms. He conducted a milk and wood business until his death in 1913.

In the fall of 1875 occurred a railway event that was of much interest, material and otherwise, to people along the G. T. line including, of course, Berlin. The railway was built broad gauge, and consequently all carload shipments to or from other lines had to be transhipped, occasioning unnecessary expense and delay. The event referred to was the changing to standard gauge. Thos. and David Walsh were the foremen in charge of the two sections extending east and west from Berlin, a total of eleven miles. Some time before the change, the new bed for the rail to be moved was made level with adzes, and then with a gauge, a spike was driven into each tie so that when said rail was moved to its new bed it would butt up against these spikes. These spikes lacked about an inch of being driven clear home. Three out of every four spikes on the inside of said rail were pulled, leaving it still safe for the passage of trains.

The foremen had crews distributed at certain distances apart, and the stage was all set. Just as it was growing dusk on a Saturday afternoon, the last broad gauge train, an engine and a van, bedecked fore and aft with red lanterns went through,

and the hustle began. A certain part of the crew pulled the remaining spikes, another part moved the rail and another spiked it, and in 55 minutes it was all over. I understood at the time that the two Berlin sections were done quicker than any other on the line. David Walsh kindly supplied these details.

The broad gauge was 5 feet 4½ inches; the standard is 4 feet 8½ inches. Right away the foreign cars began to come along, and it was some puzzle to get the names of the railroads for which the initials on the cars stood. After puzzling over L. S. and M. S. (Lake Shore and Michigan Southern), some time, Mr. Cole gave it up and said he guessed it must be, "Place of the seal" and "Manuscript."

H. F. Wardwell was the first settled doctor. What has been said about the country doctor in song and story could well be said of him.

He was practicing in Gorham and was so often called to Berlin that he decided to move here, which he did in 1878 and lived in the Geo. R. Eaton house, afterwards occupied by John Murray a long time. Later on he married Miss Mary A. Wilson and moved to the old Wm. A. Wilson place on Main Street.

He was absorbed in his profession, and it seemed that he felt his ministrations to the sick were of more importance than the fee he ought to receive (but very often did not). Even though he knew that no fee could or would be forthcoming, he never refused to answer a call day or night. There are many evidences of the strong hold he had on the people. He was very much interested in educational matters and was a member of the Board of Education, when the first High School was built. His sister, Sarah, made her home with him and was a long time teacher in the Berlin schools. Many will remember her as a teacher of unusual ability.

The first High School was built in 1885, on the site where the Burgess School stands. The building committee was J. W. Parker, G. C. Paine, and Franklin Wheeler, head millwright for B. M. Co. A whole lot of public spirit and interest went into that building. A considerable amount of material for it was delivered on the spot and charged up at cost.

It does seem as if the people took more pride in their new building than they do now with the excellent new High School and equipment. Holman Drew was the first principal with Adria Dresser as assistant.

Of all places for character study, the country store is hard to beat. The tragedies and comedies and all the phases of

human activities that come to light there might well turn the storekeeper in to a story writer.

Nat Copp was an occasional customer from up river. He was original, to say the least and he seemed to pride himself in that respect. His heavy coat fastened with straps, buckles and hooks indicated his originality. His short, thick-set figure was quite like Santa Claus, and to cap the climax so to speak, he wore a tall peaked cap.

He came into the store one day rigged up as usual. George Cote greeted him, "How are you?" No answer. George repeated the greeting, adding "Can't you speak today?" After a few seconds he replied with the question, "Chromos can't speak, can they? I was down here the other day and they called me a chromo!"

Leave it to the kids to supply a title!

He happened along one day just as we had opened a barrel of pork, from which the brine had leaked out. We were trying to determine whether it was hurt or not. He came along and smelled of it and then took out his knife and cut off a piece the size of a large walnut, put it into his mouth, chewed it well, and swallowed it, tasted and then said with much emphasis and conviction, "Gentlemen, I don't know how that pork would be cooked, but it is all right raw."

There have been many fortunes lost in Berlin, on the same principle of the school boy's composition on "Pins." He wrote, "Pins have saved the lives of a great many children by their not swallowing them." You can hardly talk with a medium old resident without his telling you of the bargain he missed by not buying such and such a piece of land that was offered him for almost a song. Now everybody with such an experience stand up and be counted.

The question of women smoking that is creating such a stir nowadays is no new question. Two generations ago nearly all the old ladies smoked. The next generation as a rule, did not acquire the habit.

This brings to mind an incident of the old lady P—— of Milan. Coming to Berlin on a frosty morning, she and another woman came into the store, and when they had taken off their heavy coats, she leaned over the counter and in a humble, half-whisper inquired if we allowed smoking in the store. On being informed that we did, she got out her T. D., filled it and sat and smoked and toasted her shins by the big box stove, seemingly with the greatest of comfort and satisfaction.

(To be Continued)

UPPER PLANTS NOTES

A HOME OF YOUR OWN

The subject of many dreams and the greatest satisfaction in ownership that modern life affords.

In every clime, at all times, the innermost heart of man and maid cries out for a home "the place where we rest."

To most of us at some period in our lives comes the opportunity for planning a home—the beloved and sacred spot which will be our shelter—and another's—from the cares of the outside world, where we can gain strength and purpose to carry us through our tomorrows.

For the benefit of those who are paying rent, the following table is submitted.

This table shows what rent amounts to in ten, fifteen and twenty years, with six per cent. interest compounded annually.

Rent per month	In 10 yrs.	In 15 yrs.	In 20 yrs.
\$ 8.00	\$1,265.35	\$ 2,234.48	\$ 3,531.41
10.00	1,581.68	2,793.10	4,414.26
12.00	1,898.02	3,351.70	5,279.11
15.00	2,372.52	4,189.64	6,621.39
17.00	2,686.86	4,748.26	7,504.24
18.00	2,847.03	5,027.57	7,945.67
20.00	3,163.36	5,586.19	8,828.52
22.00	3,479.70	6,144.81	9,711.37
23.00	3,637.87	6,424.11	10,152.50
25.00	3,954.20	6,982.73	11,035.65
27.00	4,270.54	7,541.35	11,918.50
28.00	4,428.71	7,820.66	12,359.93
30.00	4,745.04	8,379.27	13,242.78
32.00	5,061.38	8,937.89	14,125.63
33.00	5,219.55	9,217.20	14,567.86
35.00	5,535.88	9,775.82	15,449.91
40.00	6,326.72	11,172.78	17,657.04
50.00	7,908.40	13,065.46	22,071.30

To the person of small means the question of financing and building of a house may seem to present an insurmountable difficulty. He may not know that the savings banks, the cooperative banks, the Building and Loan Associations and the guaranteed mortgage companies offer the facilities both for accumulating the initial fund and procuring the necessary amount on mortgage. These organizations exist for this very purpose.

If it pays others to build to rent to you, it will pay you to build your own.

Start now and pay your rent to yourself.

MAIN OFFICE

W. F. Everding, formerly Assistant General Freight Agent of the Eastern Steamship Line of Boston, Mass., has been appointed Assistant Traffic Manager of the Brown Company, effective Nov. 1st.

H. S. Gregory has been elected second vice-president of the United States Eastern Amateur Ski Association, the eastern

division of the National Ski Association of America.

Miss Verona Davenport had charge of the children's concert and tree at the Baptist church on December 24.

Col. O. P. Cole completed his work as chairman of the local "Old Ironsides" campaign, when he was present at an assembly of Berlin Junior High School to deliver the medal donated by the Elks for the best essay upon the subject, "Why will the preservation of the U. S. S. Constitution promote patriotism?"

Our friend, Morin, of the furniture department, prefers Success country to hunt in because there are so many old roads. If they are known one can travel all day and not go over the same ground twice. Morin seldom ventures far from the trail, his object seems to be hunting new routes rather than game. He is not in the bois ever for long but what he longs for camp and food.

We have seen a time when it was necessary to go out after him with lan-

terns, only to find him back of the woodpile and headed south.

Albert yet holds to his claim that he has never been turned around, the trails get "mixed" up but not he.

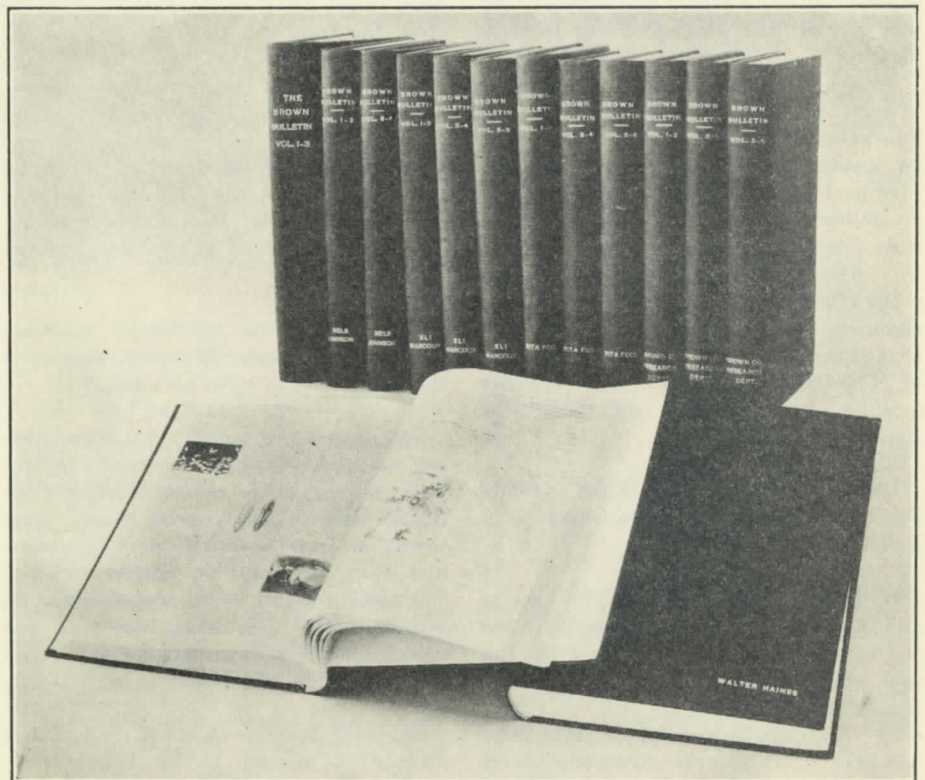
We are indebted to Victor Beaudoin and an artist friend in New York for the cartoon on page 17. Victor was formerly employed in our purchasing department and is now with Byron Company, Inc., Commercial Photographers, 1695 Broadway, New York City.

Are you one of these people who—

Read the movie titles aloud, thus putting an earnest desire into the hearts and minds of those about you to invite you to "shut your mouth" in no cordial manner?

Give out the impression that you always see, hear and say everything exactly as it is and should be,—and that no one else has a ghost of a chance of ever being right?

Drive people from the theatre because you crack chewing gum so loudly in their ears during a play?



SAVE YOUR BULLETINS AND HAVE THEM BOUND. SEE ELI MARCOUX OF THE RESEARCH DEPARTMENT FOR PARTICULARS

Criticize the clothing of your friends without first making sure that your own are neither too flashy nor too dull?

Who find fault with your home and refuse to endeavor to improve it by your presence, time or money?

Preach about the rotten town you live in and fail to cast your vote for the things you think would better it?

Say "I hate" when if you only twisted your mouth the right way you would have to say "love"?

Are always piling up Dont's when you might better be occupied in pulling down the mountain of Do-s?

Are so busy attending to your own selfish desires that you have no time to lend a hand to a friend?

Can make the world a good place to live in because you know how to smile?

People can meet with pleasure because you are just you.

Find the world a place where Sunshine is to be had for the taking and where Opportunity ever waits to be taken up and developed into Success.

Believe that the man who is down is a thing to be jeered at and kicked, instead of a human being with a soul as sacred as your own?

Think that M-O-N-E-Y spells Success?

That life is a game of "tag" and you are forever IT?

Greet the day with all your talents eagerly awake to seek a place where they may spread their wings and soar to great heights?

Believe in sizing yourself up, taking account of stock, turning your failures into paths of success;—sticking your chin up, looking the world steadily in the face thus saying "I am true to myself and to my fellow-men?"

RESEARCH DEPARTMENT

Dr. Hugh K. Moore attained a lifelong ambition this last month when he was elected president of the American Institute of Chemical Engineers. The summer meeting of the Institute will be held at Berlin this year.

John H. Graff has been elected to membership in the American Statistical Association.

W. B. Van Arsdel attended the Cincinnati Meeting of the American Institute of Chemical Engineers. The weather ran wild while he was away.

Eli Marcoux was elected secretary-treasurer of the Berlin Reserve Officers Association at its annual meeting held December 15.

F. A. Burningham is the expert in glass blowing of this department.

Fred Pilgrim is busy these days with the red tape involved in making customs declarations for ski wax to be shipped to Canada.

During the cold snap, Dr. Thing got his Gorham School Board together to examine the intestines of the furnaces in the New Gorham High School. They found some baffle plates that the heating contractors failed to install, and expect that the next cold snap will find their system working as it ought. "Doc" believes in going to the root of things.

Mr. and Mrs. H. P. Vannah have just celebrated their tenth wedding anniversary.

The Jolliette's held their annual Christmas tree at the Girls' Club on Tuesday evening, December 15th. There were twenty-two members present, including the girls who have left our midst for homes for two. A bounteous supper was served by the photo section girls, and a beautiful tree was set in the corner covered with many mysterious packages, among bright lights and tinsel. The table was decorated with red streamers and silver candlesticks with red candles. After the "eats" had been stored away, the presents were taken from the tree, and each one in turn exclaimed over her gift. There were many additions to cedar chests among the boxes, which were greatly appreciated. After this excitement had somewhat calmed down, the crowd adjourned to the living room where solos were rendered by Miss Laura Murray and Miss Florence Houle. The usual trend of gossip was enjoyed until a late hour.

A. J. Lavoie has terminated his work in our department. We miss Doc, even though he was as quiet as a mouse.

For those who have a keen imagination we would like to outline a picture for your vision. Can anyone imagine our gentle Miss Fogg coming down Main Street one evening during the busy Christmas rush, dragging an immense parcel, 6 ft. long by 4 ft. wide and weighing 18 pounds? We are asking you can you imagine it? For those who cannot absorb this statement—'tis a true story.

Reginald Murray of B. H. S., '25, has accepted a position in our laboratory.

Lyle A. Clough, who was employed with

this department during the last summer, has accepted a position with the Columbian Rope Company at Auburn, N. Y.

As is well known in this department, W. B. Van Arsdel is subject to slide-rule complex. One day a group of us were around him as he was applying his usual slipstick "calisthenics" to an equation in gas absorption. We suddenly noticed that the expression, upon inspection, was reducible to 4. But the engrossed W. B. failed to heed these premature estimates, and finally solemnly announced: "Gentlemen, the coefficient is 3.999."

Because of the interest displayed abroad in special pulps made by the Brown Company, G. A. Richter of this department and Mr. Moody of the pulp sales department, Portland Office, plan to embark on December 28 from New York for Southampton and Cherbourg, from which points they will get in touch with prominent factors in the Continental trade.

Are You Like This Girl?

"The stenographer we require," ran the ad, "must be fast, absolutely accurate, and must have human intelligence. If you are not a crackerjack, don't bother us."

One of the answers wrote that she noted their requirements and went on: "Your advertisement appeals to me strongly—stronger than prepared mustard—as I have searched Europe, Airopo, Iropo and Hoboken in quest of someone who could use my talents to advantage. When it comes to this chinmusic proposition, I have never found man, woman or dictaphone who could get first base on me, either fancy or catch-as-catch-can. I write shorthand so fast that I have to use a specially prepared pencil with a platinum point and a water cooling attachment, a note pad made of asbestos, ruled with sulphuric acid and stitched with catgut. I run with my cutout open at all speeds, and am, in fact, a guaranteed, double hydraulic welded, drop-forged and oil-tempered specimen of human lightning on a perfect thirty-six frame, ground to one-thousandth of an inch.

"If you would avail yourself of the opportunity of a lifetime, wire me, but unless you are fully prepared to pay the tariff for such service don't bother me as I am so nervous I can't stand still long enough to have my dresses fitted."

She got the job.

—The Boston News Bureau.



SEE NOTE ON PAGE 15
TUBE MILL NO. 2

Harry, alias "Savage" Gilbert has evidently not graduated from the recruit or "rookie" class in the local National Guard unit as he recently purchased a pair of "dress" shoes to attend Battery F's first Military Ball.

Evidently True Dustin of the construction department thought that "Whitey" LeBlanc had an iron foot when he dropped the iron roll on "Whitey's" foot recently. The latter had to take two days off and is still doing the "lame duck" at this writing.

Corporal Hogan of "LeMon" motorcycle fame has a new buddy on his shift and has nicknamed him "Rear-rank Gillis," owing to the fact that the latter was number 4 in the rear rank, while serving his time in the army during the war.

Cormier and "Hurry-up" Demary are still working together and as usual they agree on all questions.

"Captain" Audette has a varied assortment of stories and to judge from the expressions on Eli's face they must be very interesting.

Harry Ardell in speaking of large locomotives has said, "They had them so big on the Pittsburgh Division (where he worked) that when the engine wasn't hauling a load it had to be towed by another loco. What kind of snuff were you using at that time, Ardell?"

Another railroader, a long division

jumper, Anry Phair, told the writer that being short of funds in Portland, Oregon, at one time he decided to freight it, so caught one out of Portland. The fireman made him shovel coal all the way to Buffalo, New York, same engine and fireman all the way. Some length to the divisioning out that way, we'll say.

Jack Landers and "Savage" Gilbert like nothing better than to get together and talk over the old days in Oldtown, Maine, when Harry was a bootblack and Jack was a potential millionaire handing out fifty-cent pieces for tips for a shine.

Alphonse Bertin and "Shorty" Therrien have gone into the planing mill business as a side line.

What might have been a serious accident occurred on Main street recently. One of the timekeeping force, who is sole owner of a "Jewish Packard," negotiated the descent of Maple street without event and was piloting the latter down the main "stem" when he noticed that his car was acting strangely. Before he could get her under control, she managed to turn two somersaults, a tail spin and a nose dive. Dismounting at a convenient moment this enraged pilot went in search of a Ford doctor leaving his bunch of "infuriated tin" in the street. When he returned Lizzie was unconscious a short distance from where he had left her but a few moments before. Looking the machine over the mechanic found the rear end missing. The owner could not remember having left this part out at any time, but upon further questioning admitted he had overhauled the car himself last spring, which would, of course, account for it.

A hockey team has been organized under the management of Bert Sweeney, known as the "Demons" and already has been challenged for a game by another aggregation from the Tanks known as the "Tar Babies." The game is to be held New Year's Day. The following is the present lineup which is subject to change without notice:

DEMONS		TAR BABIES	
Lem Hyde	.....G.	Syl. Levesque	.....G.
Jack Landers	.....L. D.	Joe Gagnon	.....L. D.
"Pop" Reynolds	.....R.	Henry Carberry	.....R.
Nick Lapointe	.....L. W.	Joe Lemieux	.....L. W.
K. O. Larrivec	.....R.	Joe Provencher	.....R.
Bill Bogul	.....C.	K. O. St. Peter	.....C.
Ed Cropley	.....Sub.	Antonio Rousseau	.....Sub.
Rock Lapalme	.....Sub.	Pete St. Claire	.....Sub.
Gus Dion	.....Sub.	L. D. Frazier	.....Sub.

It is rumored that one of our dryer foremen has purchased a banjo-uke and

intends to make a dash into orchestra circles. Good luck, Harry.

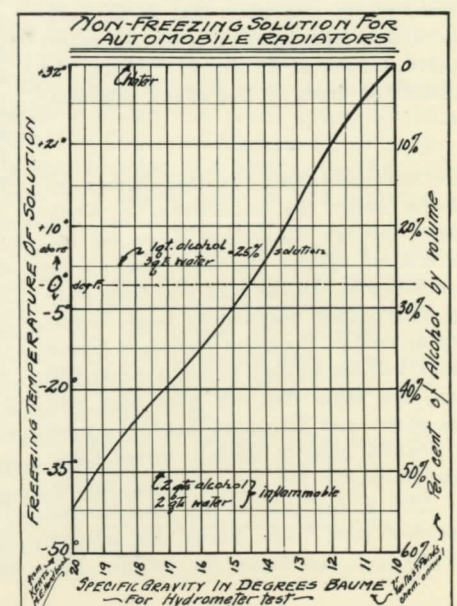
Beware, Jasper, my sheik, you are treading on dangerous soil. Our advice is to watch your step on Green street.

At No. 1 Mill we have some fox hunter in "Buck" Whitehouse. During the hunting season Buck shouldered his trusty shotgun and went forth in search of birds. He finally got down to his last shell only to find that the wadding had loosened and the shot had all rolled out. Being an old timer at the game, Buck rustled through his pockets and found a 10-penny nail which he inserted in the shell in place of the missing shot. Walking along quite leisurely he noticed a fox some distance to his left nosing along. When Mr. Reynard got along side of a stump Buck pulled the trigger, pinning said fox fast. The animal became so infuriated at being in such a predicament he lurched forward leaving his valuable pelt hanging on the nail. Buck says beat this one if you can.

Someone asked Leo Bucher what he was doing and he said, "Oh, just plugging along."

At present there is a stir among the poultry owners of the Tanks. Already a contest has been started by rival hen owners. Pete St. Claire and V. Valliere are included in the group of contestants. The latter claims to have gathered more eggs than Pete has, but Pete says he saw him make a visit to a nearby grocery store.

Advertisement—Chickens to let. Apply to V. Valliere.



Adrian Rodgerson says, "There's just one thing better than a good herring." Thibault replies, "What's that, Adrian?" "Two herring."

L. D. Frazier had quite a time digesting some turnovers. He insists they were loaded and should have been labelled "turnunders."

The Gold Dust Twins of the shipping crew, Emile and Hector.

Arthur Mackenzie upon returning home one night at 12 p. m., last week heard noises in the basement. Without a light of any sort he stealthily entered the basement, where he heard something moan and sputter. He turned on the light switch quickly to find nothing more than Bill Hogan's "LeMon" motorcycle trying to move around. Bill says he is glad the machine is up for the winter, especially since its development of neuritis.

Some new editions now open to the public;—Cutting Wood by the Ton—Matt Vachon; How to Make a Stake in Florida in Two Weeks—Harry "Ponzi" Aldrich.

Amateur bouts held recently: Syl Levesque vs. K. O. Bedard, Bedard wins decision; Steve Lydon vs. Cookie Gillis, draw; Steve Lydon vs. Jos. Tellier, Lydon copped decision. For information regarding entries, etc., apply to George Collins, president; or Wee Willie Stone, secretary.

Radio bugs are anxious to correspond with any person who knows of Mr. Jensen not being able to tune in on a distant station in other parts of the globe.

We wish to announce that at an early date a new organization is to be incorporated as the I. O. D. T. Watch the Bulletin for news of this grand organization.

On November 30th, the Magalloway expedition under the supervision of Commander George Amundsen Knox set sail at 8.00 a. m., eastern standard time, up the Androscoggin. In the lead was their flagship, sails all set, manned by Capt. Savoy. They arrived at the quiet harbor of Seven Islands without mishap of any kind at 6.00 p. m., the same day. A pilot was sent from shore and taken on board to pilot the floatilla safe in harbor where Capt. Knox prepared for the evening sports. In a scow in the rear of the pilot headed shoreward were Capt. Savoy, his officers and last but not least, the fiddler, Mr.

Chas. Enman, who at present rivals "Mellie" Dunham of Maine. After the banquet a speech was delivered by Mr. Knox on Prohibition, assisted by Mr. Enman who played a solo, "How dry I am." Capt. Savoy gave a short address on the subject "How to choke a herring." There were several exhibitions of step dancing, and just before the close of the banquet the Mayor of Seven Islands (Hon. Patsy Crowley) insisted that the captain of the fleet should box the lightweight champ of the Islands four rounds. Very little time was lost in bringing the two boys together. Mr. Enman acted as referee. At the sound of the bell, the captain rushed from his corner landing flush on his opponent's jaw with a lightning left uppercut, rendering him unconscious for 36 hours. His opponent, by the way, was Jumping Angus MacDougall, a cousin of Whistling Bill, whose tribe Commander Knox hopes to annihilate in the near future. Another interesting installment giving further developments of the expedition will be published in the next issue of the Bulletin.

BROWN COMPANY

RELIEF ASSOCIATION

Orders drawn on the treasurer for the month of November were as follows:

Ernest Guay	\$ 27.80
Charles Johnson	36.00
Harry Lowe	12.50
Fidele Arsenaault	48.00
Alfred Fecteau	53.83
Everett Palmer	25.00
Tom Thompson	59.60
Joseph Allard	50.00
Remi Lambert	50.00
J. B. Monreau	48.00
Eva Corneau	29.20
Andrew J. Phair	12.50
Emile Erickson	70.09
Ed Marois	34.40
James Gravelle	16.60
Marguerite Gilbert	13.00
Henry Blanchard	16.10
Nap. Dutil	17.60
Sidney Pilgrim	22.00
Jos. Chaloux	70.82
Albert Gauvin	20.00
Rose Laflamme	22.75
Nap. Dutil	26.40
John Paradis	33.32
Amede Dugas	12.50
Emmons Christianson	24.00
Geo. Miller	12.50
Emelia Desilets	20.97
Mrs. Helen Blair	366.40
Joseph Ramsey	114.24
Geo. Paulin	14.00

Wm. Fowler	26.60
S. Levesque	29.16
Emile Lagloire	38.82
Clyde Bean	67.50
Sidney Pepin	20.00
Wm. Boyd	48.00
Fred Haggart	17.20
Geo. Boucher	2.00
Eddie Vien	23.91
Leroy Burns	23.68
Antonio Rousseau	25.00
Nap. Rainville	4.00
Laurana Couture	5.93
Joseph Comelchhook	58.00
Emile Landry	50.00
Lydia Gilbert	18.00
John Guerin	49.80
Alfred Croteau	56.00
Pasquale Piatton	56.00
P. M. Quinn	17.20
Theo Rix	14.20
Omer Gagnon	60.25
Willie Monceni	14.00
R. R. Godry	109.34
Louis Nadeau	50.00
John Murphy	28.66
Emile Parent	76.00
Willie Monceni	2.00
John Murphy	17.20
Freeman Downs	24.00
Louis Roberge	8.00
Harold Beroney	10.42
Wm. LaFlamme	32.00
Ed. Billodeau	16.94
Wm. Tanguay	35.46
Louis Fortier	34.14
James Dupucio	56.00
Arthur Hunt	28.00
John Whalen	42.00
E. Lefebvre	13.10
Arcade Biron	52.00
Total	\$2,740.63

BROWN BULLETIN

PUBLISHING ASSOCIATION

The annual meeting of the Brown Bulletin Publishing Association set for December 8 was adjourned until December 15 because of a lack of a quorum. On the latter date a quorum was present, and the groups brought in their choices of directors as follows: Upper Plants, G. L. Cave; Sulphite Mill, P. E. Grenier; Cascade and Riverside Mill, A. K. Hull; Brown Corporation, John Heck; Portland Office, W. B. Brockway. Under the constitution the terms of all are for three years, with the exception of the last whose term is for one year. O. P. Cole was elected president of the association and A. L. Lefebvre, clerk. The board of directors then held a meeting at which G. L. Cave was elected editor for the coming year.

Why Will The Preservation of The U. S. S. Constitution Promote Patriotism?

Elks' Medal in "Old Ironsides" Contest Won by Miss Catherine James, Berlin Junior High School; Honorable Mention by Miss Mabel Dion, Guardian Angel School

THROUGH the courtesy of Mr. H. G. Spear of Cascade Mill, who was chairman of the Elks' Prize Essay Contest in connection with the successful effort to interest the local school children in the restoration of "Old Ironsides," we are privileged to publish the medal and the honorable mention essays. Essays were written by children in the various elementary schools of the city. The best of these were selected by the teachers concerned, and then the Elks' Committee reduced the list to the two that follow. Being unable to decide between these they had them typed and submitted without names or schools to an impartial judge with wide experience in the winning and judging of similar contests. He placed them in the order given below. Read them carefully, for they show how the children in Berlin schools are learning to write and think. If you find an occasional error in grammar or spelling, just remember that the writers are below high school age and sit down with pencil and paper and try to write a better essay. You may not agree with the final judgment. Another expert judge might well have decided the other way. A contest of this kind brings home to the older generation that whatever may be our own pride of race or creed, the children of America amid equality of opportunity are showing that ability is not limited by nationality or creed, by attendance at public or private schools. After all that is the biggest thing in the America bequeathed to us by those crews who manned "Old Ironsides."

MEDAL ESSAY

By MISS CATHERINE JAMES
Berlin Junior High School

The "Constitution" was launched about 1797. It was as good a frigate as any in those times. It was used for eighty four years. In the war with the Barbary pirates of Tripoli, the treaty of peace was signed on board the "Constitution."

Perhaps her most brilliant victory was her capture of the British frigate "Guerriere," with Captain Isaac Hull in command. It got its nickname, "Old Ironsides" when the "Guerriere" shot some heavy cannon balls at her sides, and they bounded back into the ocean.

After eighty four years of good service

to her country, the "Constitution" is unfit for use. In 1828, when the old battleship was fast falling to pieces, the question arose, "Shall we keep or destroy the "Constitution?" The Secretary of the Navy proposed that it should be destroyed. At that time, in Harvard, there was a young poet, Oliver Wendell Holmes, who was aghast at the idea of destroying the boat. He wrote his famous poem entitled "Old Ironsides" which, was published widely and so stirred the public that "Old Ironsides" was saved.

Again, in 1925, the question arises, "Shall we keep or destroy the "Constitution?" If we, the American people of 1925, are as patriotic as the people of 1828, our answer will be, "Keep Old Ironsides." Today we have no Oliver Wendell Holmes to save the "Constitution," so the school children of the United States, under the leadership of the Elks, are going to save it.

Suppose that Captain Isaac Hull and the other four hundred brave men that defeated the Guerriere, should return to earth today and see their dear old ship falling to pieces and should hear someone say, "We are going to destroy that worthless old vessel." Would they respect us? Would they think us a patriotic people? No! But should they see it in repair, they would know that patriotism still lived in the hearts of the American people.

If an Englishman came to America and wanted to see the ship that defeated the Guerriere, and was told that the American people did not care enough about the ship to preserve, and love, and honor it, would he think us a patriotic people?

Would we think of destroying the Liberty Bell, or Plymouth Rock? Then why do we think of destroying the "Constitution" which has rendered us a great service?

If "Old Ironsides" is preserved, and the school children raise the money for it, the people will love it, and honor it, even more than if they did it. They will say, "If the school children of the United States are loyal and patriotic enough to raise money to repair "Old Ironsides," we must be patriotic enough to honor, love, and cherish it."

We would not think of destroying a

keepsake of ours just because it was not valuable in dollars and cents. If all we value is money, we can never hope to obtain a great place in life. If all the nation values is money, it cannot prosper. It is for the good of every man, woman, and child in the United States to have love, to have patriotic love. Let us then cherish the keepsake of our country. Let us cherish the keepsake that has earned its place in the hearts of the American people, "Old Ironsides."

HONORABLE MENTION ESSAY

By MISS MABEL DION
Guardian Angel School

Old Ironsides is the most famous frigate in the history of the United States, she has given more service than any other vessel of our great Nation.

In 1830 Old Ironsides was sentenced not fit for sailing on the sea, and would have been destroyed but Oliver Wendell Holmes our great poet by writing the wonderful poem "Old Ironsides" succeeded in saving this old keepsake to this day.

Again Old Ironsides is condemned. Should we destroy this famous vessel?

If all those who want its destruction would only stop to consider the powerful influence for good, that Old Ironsides will have in the life of the future generations, if they can gaze at the dear old ship, study the history of her great deeds, and the exploits of her valiant commanders.

By preserving "Old Ironsides" the people will instil to the youth, ideals of true patriotism, of loyal citizenship.

This noble act will impress upon their minds, not only the credit given to the Heroes of Old Ironsides who did so much for our freedom and liberty, but inspire them with strong love for our beautiful America.

Henry Ford's statement comes in very a propos. He says "The thing we must bear in mind is service. Service that's the thing. We should give service." Is it not what Old Ironsides did? Yes and her service has brought us prosperity and Independence on sea.

Now, may the knowledge of her splendid record bring to the American youths greater appreciation and love for those who won our freedom and built our beloved Country.

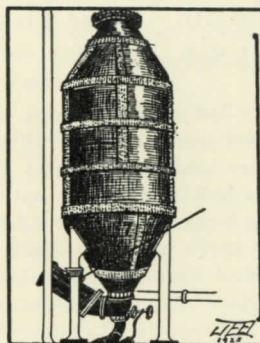
We want the preservation of Old Iron-

sides hoping it will inspire to the boys and girls of future generations real patriotism, instil to them thoughts of citizenship and bravery.

"Don't give up the ship" were Captain

Lawrence's last words; they are also mine on this occasion. No, don't destroy Old Ironsides! We all love her history of services and deeds. This old keepsake will forever more be sacred to all the people

of the United States, but particularly to the happy children of this Great Republic who by their pecuniary sacrifices will help to repair and put afloat dear Old Ironsides.



NIBROC NEWS



H. H. Cushman has installed a new swimming pool at the Shelburne powerhouse, so they report, and it is an innovation in itself, being located in the wheel-pit. The first user was Mr. Hollie Cushman, and he reports that you can lie comfortably on your back or your face, yet he found the necessity of a wringer to dry one's self imperative, and in the absence of said wringer, Mrs. Cushman did the honors. Was the water wet, Hollie?

Clyde Smith, son of Rube Smith, employed in the yard crew has left for Florida, where he has a position in a hotel.

George Watson says he doesn't smoke Chesterfield cigarettes. My mistake, George.

Emile Parent, who was injured some time ago, was a recent visitor, and we are glad to have with us, his smiling countenance, even if only occasionally.

It looked one time as though the coal strike was solved insofar as a few people were concerned, and it appeared as though the roadbed to the G. T. main line was in danger, but things are normal again, and ashes are now ashes again.

Miss Cameron had a striker for awhile and it appeared that so much conversation with the Bureau of Tests had had an effect on Honey, but there's nothing to it, fellers.

Mr. John Kimball became quite friendly with Rube Smith, after—well a few days. What time is it, John?

If the foreign business continues with the sulphite buyers, Europe will be just

out in Casco Bay. Who said that they weren't making real sulphite at Cascade?

The appearance of the "parking areas" in the cutter room, brings us also a little nearer Boston; the parking areas, so-called, are the white painted lines surrounding different sections to segregate any particular shipment, or other material.

Rather late but none the less sincerely, we express our congratulations to Mr. and Mrs. Everett Getchell, who have recently returned from their honeymoon. Mrs. Getchell, a daughter of E. A. Gilbert of Cascade main office, was a former employee of the cutter room. Mr. Getchell is also employed at present in the same department. We combine our New Year's wishes with the sincere wishes of the Nibroc family for a happy voyage.

Time was when you might distinguish Nibroc Kraft, but with vari-colored orders run on No. 4, you can no longer infer by its original shade, whether it went into a dye factory or not. Shades to suit any nationality are now run intermittently.

Sam Bushey of the bleachery department had better look out. Rube Smith says the perfumery that he uses has made it necessary for the other employees to get gas-masks. Mr. Bushey, no doubt can get Mr. Snow to assist him in settling this matter.

Ike Morse is taking a daily dozen preliminary to taking his car. He got away up to the Congregational church one morning.

Mrs. Fred W. McKinney wishes to express her appreciation for the fine turkey

she received from the Brown Company at Thanksgiving.

NOVEMBER ACCIDENTS

Upper Plants

Serious accidents	1
Minor accidents	20
Without loss of time	57
Total	78

Sulphite Mill

Serious accidents	0
Minor accidents	16
Without loss of time	39
Total	55

Cascade Mill

Serious accidents	0
Minor accidents	17
Without loss of time	31
Total	48

Captain Joseph T. Kennedy was cited in the list of commendations in the 1925 Field Inspection Report of Camp Winant made by Colonel H. E. Eames, officer in charge of National Guard Affairs for this corps area.



REFUGE HUT OF NIBROC KRAFT

CHEMICAL MILL EXPLOSIONS

At the annual meeting of Ryan-Scammon Post No. 36 of the New Hampshire Department of the American Legion, George Reid of the Chemical Mill was elected commander. Without depreciating the service of other men from the Cascade Mill and the Sulphite Mill who have been honored with this office, the Chemical Mill can boast that its representative saw a long period of service in an engineer outfit that did duty on many sections of the Western Front from Ypres to the Argonne. It was in Carey's De-

tachment that strung a thin line in front of the farthest German advance in March, 1918, near Amiens. Peronne and St. Quentin became familiar scenes to it before that time. The local post of the American Legion is conducting a membership drive and hopes to have three hundred members in its ranks before the drive closes. It is also very much interested in the plan to hold the next national convention at Paris, and hopes to have half a dozen men with pluck enough to save the money to go.

A. W. O'Connell has lately made a trip to Montreal and other Canadian points in the interests of the hockey team of the Berlin Athletic Association. The local association is finding itself handicapped in arranging a schedule because of the ruling of Canadian hockey authorities that Dominion teams shall not enter the States. However, Hank is making the best of things, and we expect to see some hockey this winter that will justify printing the picture of the reorganized Berlin team in the next issue of the Bulletin.

SULPHITE MILL GAS

Petting may be wrong but kissing is just the language of love, and we think that smiling Simard must speak seven languages.

Luigi Bossa—"Do you like spaghetti?"
"As a rule."

"What on earth do you measure with it?"

A cross-word fan of the dryer department wants to know a word of eight letters meaning flapper. Here you are: Bungalow (painted in front, shingled in back and no attic).

Cyprien Morneau, the pig-killer, said he is ready to do any job by the hour or the job. We favor the job, Cyprien.

Born, December 4th, twin boys to Mr. and Mrs. Henri Bisson of Coos Street.

Victor Willett of Forbush Park is back with us again after being laid up with a sore back. Glad to see you again, Victor.

Ovila Gagne will give a dollar reward to know who put the item in the Brown Bulletin of last month. Ask Chaurest, he may help you. He is a finger print expert.

Ernest Gagne of the bleachery screens said the B. A. A. drive was the best drive so far. Never mind, Ernest. It will cost you only \$2.00 to wear the B. A. A. button.

Fred White (LeBlanc) for thirty-three years an employee of the Sulphite Mill,



MR. FRED WHITE

quietly passed away Friday, Dec. 11, 1925, at his home on Burgess street, after an illness of several months.

Mr. White was married thirty-seven years ago to Miss Anna Benoit of Mon-

treau. He was father of eleven children, all living and residing here in Berlin. He was a steam fitter by trade, and well liked by his fellow employees. He was sixty years old.

He started to work as fireman in the boiler plant, became foreman on his tour for a period of two years, and returned to steam fitting, where he later became assistant foreman.

Mr. White (LeBlanc) is a descendant of the old Acadian stock, of which we have read so much in Longfellow's Evangeline. His ancestors landed at River St. Croix, Maine, in 1604, sixteen years prior to the landing of the Pilgrims at Plymouth in 1620, and in the following year they proceeded to New Brunswick where a permanent settlement was established. At the time of the exodus of the Acadians in 1755, they went to Louisiana. Two years later two brothers and their sister started on a long hike up the Mississippi and Ohio rivers. The sister died in Virginia, and the two brothers proceeded to Philadelphia. Charles remained in Philadelphia and became very wealthy in the cotton industry. He was a bachelor and died there. His brother, Andre, proceeded back to New Brunswick where he established himself. Mr. Fred White (LeBlanc) is a descendant of Andre LeBlanc. A complete record of the LeBlanc family has been kept by the Canadian government up to date, and can be obtained in Ottawa.

Michael Bouchard to Pete—"Let me have \$1.00."

Pete—"Sorry, I have only 60 cents."

Michael—"Well, that's all right, Pete. You will owe me 40 cents."

A machine room man says his girl is so dumb she thinks a tonsorial is a throat-doctor's office.

The dryer men of the wet end think the Brown Company should give them some Eskimo fur coats to wear around the machines. Sometimes the temperature is zero. The men on the dry end want B. V. D.'s. The temperature change from one end to the other is as follows:

Wet end, 0; last press, 10 above; first section, 40 above; second section, 70 above; third section, 100 above; lay boy, 90 above; load shed, 60 above. Some change.

LOST—A goat. Return the same to Buck Roy and receive reward.

Pete Belanger—"Say, when I was born, I was so surprised that I couldn't talk for a year and a half."

We don't believe you, Pete.

Paul Charest, our steam man in the dryer room, said that he never refused to do his bit on any drive in the mill. Keep it up, Paul, we know that you're a very good sport. We won't forget you on the next one.

Paul Charest has sent for a radio five tubes. He said it was called tuned frequencies. Some name, we'll say.

Michael Bouchard has had very good success with Turgeon's axe. Is that right, Michael?

Jules Montminy, floor sweeper, has found two dollars. Lucky dog, but he had to give it back.

Fred Dupuis: "I wonder why those back-tenders are using so much oil?"

Back-tenders: "Fred, do you know where the electric, hydraulic and bleachery departments are getting their oil?"

Boys, get your money ready. We will take up a collection after New Year's to buy Perley Hall a lunch kit all ready for use.

No. 2 felt on No. 2 dryer was put on in the record time of 67 minutes on December 15th, on Thomas' shift.

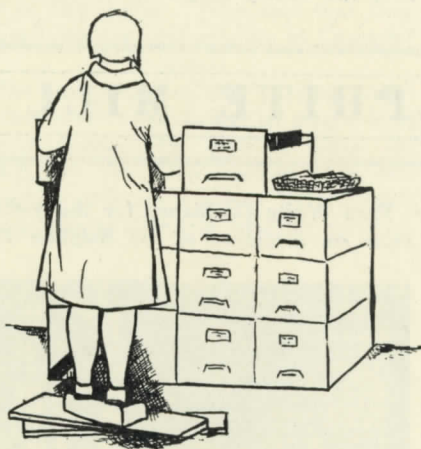
Marion Whitcomb, Cecilia Cushing, Lora Rowell, and Frances Feindel entertained the Grumblenot girls at the Girls' Club,

Wednesday, Dec. 16, 1925.

A supper was served at 6 p. m., by the entertainers, and was of very fine things to eat as you can be assured.

After the supper the girls gathered around the Christmas tree, where the spirit of Yuletide was very much in evidence. Wall Street has nothing on these girls, when it comes to excitement in exchange, as everyone had a Christmas present to give and take. Miss Chaffey was presented with a white-gold pin, and Madame was also remembered with one, only of a different design.

The Grumblenots wish to thank both Miss Chaffey and Madame for their help during the past year in all their undertakings, and wish them both a Happy New Year.



CONTRIBUTIONS TOWARD A FOOTSTOOL
FOR THE NEW ASSISTANT ON CARD SYSTEM JOB
IN MAIN OFFICE WILL BE GREATLY APPRECIATED—
Especially BOARDS AND BRICKS

BAND NOTES

Mr. H. Gilbert is now with us in the trombone section. You're welcome, Henry.

On Wednesday, Dec. 16th, at the regular rehearsal of the band at the Y. M. C. A., a short meeting was called to order, and when only half way through, our leader, George Stevens, was very much surprised as he did not know of any matters to be taken up, and was doubly surprised when he was presented with a genuine leather travelling bag. A speech was called for. Speech: "Gentlemen, I wish to thank you, one and all, for this gift, and you can be assured that I will not forget this for a long time to come. I want to tell you boys, that during all the years of my travel in different bands and orchestras, I have never seen a better organization than this one where comradeship has existed for the last eight years without a hitch. Once more, boys, I wish to thank you. (Tic-tie, stick hitting rack)—Come on,

boys, let's get to work."

Arthur Michaud of the coal pile, claims he is now using \$26.00 worth of soap a week—"On second thought, is that right, Michaud?"

Burgess Boys—Be polite and give your seats to the ladies in your local barber shop.

BURGESS RELIEF ASSOCIATION

The indemnities for accidents and sickness for the month of November were as follows:

Patrick Dorion	\$ 12.00
Mina Farnham	177.20
Richard Christianson	23.30
John Frechette	12.00
Delphis Montminy	36.00
Joseph Bourbeau	52.80
Aurele Descoteau	48.00
Camille Sabalone	60.00
Chas. Baker, Adm. Estate of Nils Johnson	45.50
Mary Louise Guay	48.00
Paul Grondin	48.00
Gustave Nolet	22.00
Frances Washburn, beneficiary of Hardy Atherton	148.00
Eileen McCarthy, beneficiary of Michael Carraher	142.80
Amedit Ancil, Adm. estate of Onesime Ancil	100.00
John Litanovich	12.00
Ernest Cook	36.66
Joseph Dupont	2.00
Alfred Peltier	6.00
Wilfred Gregoire	78.00
Con Snigger	32.00
Alfred Mercier	14.00
Fred Newchick	46.00
Dominic Torro	14.00
Dennis Lavoie	60.00
Leo Frechette	57.34
Sebastien Vautour	2.47
Alfred Lambert	10.00
Erling Anderson	39.60
Henry Coulombe	11.00
Harry Sullivan	148.50
Ernest Nolet	12.00
Harry Gould	20.67
P. J. Devlin	55.20
Peter Hickey	58.00
Edward Gallant	32.90
Edmond Schambis	81.50
Henry Vezina	66.00
Germain Theriault	22.74
James Bagley	80.00
Prudent Dion	94.80
Louis Robischaud	18.00
P. J. Thomas	68.60
Total	\$2,155.58

BURGESS



LOUISE OSWELL KATHERINE MCGIVNEY HELEN BUCKLEY LORA ROWELL DOROTHY THOMAS DOROTHY MCGIVNEY
FRANCES FEINDEL MARION WHITCOMB MILDRED SLOANE LUCY SWEENEY ALMA POWERS

1926

OFFICE

(Continued from Page 2)

would follow. The same rule would apply to a number such as Milton 6789, the digits dialed would be MIL 6789.

The dial is used to change the electrical conditions of the line in such a way as to cause the apparatus at the central office to complete the desired connection. This device takes the form of a dial pivoted at the center so that it may be turned in a clockwise direction. For convenience in turning it has finger holes, ten in number, around its outer edge. Through each hole a figure or a figure and a group of two or three letters appear; these figures run consecutively from 1 to 0 as shown. To call the figure 3, for instance, the subscriber places the tip of his finger in the hole thru which the 3 appears and turns the dial to the right until his finger strikes the stop, whereupon the finger is removed and the dial returns to normal under the influence of a spring, which was wound, as the dial was turned in a clockwise direction. Any combination of numbers or letters and numbers, may be called in the same manner.

Mounted on the back plate of the dial are a set of impulse fingers or spring contacts, a worm gear, a fibre cam, a cone spring and governor. The cone spring develops the power and transmits it to the worm gear upon which is mounted a fibre cam. When a number, such as 5 is called on the dial, the fibre cam is caused to pass between the impulse fingers five times, breaking a closed circuit five times in rapid succession. These impulses, or in other words, breakings of the circuit operate the switches in the central office. The governor is used to maintain the speed of the cam to about ten impulses per second.

Each individual line is connected to a separate line switch in the central office. This is the case in the Brown Company's 1000-line system. The line switch consists of a plunger and two relays, and two sets of spring contacts. When a receiver is taken off the hook on a phone, the relays are energized, causing the plunger to enter the line-switch bank, which consists of a combination of ten sets of springs, eight springs to each set. Each set is connected directly to a selector switch on the selector bay, also operating a master switch and a holding trunk circuit. Consider that the number 222 is being called. The first digit dialed operates the selector and connects the calling party with a connector switch of the particular hundred-line board that the call is destined for. In this case it would be the 200 board. The second and third number called cause the connector switch to operate, connecting the calling party with the

desired line. When the connector switch completes the last number and if the called line is not busy, the switch automatically starts ringing the bell on the telephone of the party called, every two or three seconds, until the party answers; or, if the party does not answer, the bell will ring until the calling party hangs up the receiver. If the called line is busy at the time the connector completes the last number, the switch will not connect the calling line to the desired line, but it will give a fast broken-up buzzing sound known as a busy tone.

A selector switch consists of a group of five relays to operate the different circuits and two sets of magnets to operate a shaft carrying two sets of springs called wipers. One set of magnets operates the shaft in the vertical action, and one set causes the shaft to move in the rotary direction. These wipers on the shaft, when raised to a desired level and rotated in a horizontal movement, engage with a set of contacts, in the selector bank which are connected direct to a connector on the connector board. The vertical action is under the control of the dial, and the rotary action is controlled automatically, according to how many connectors are busy on that particular group. If the first connector switch is busy, the shaft will automatically step the wipers over to the next set of contacts. If that set is busy also, the shaft will continue to step over until it makes contact with a set of contacts that are not busy, then it will stop its rotary action, and the relay will operate, connecting the calling line thru to the connector.

The connector switch is very similar to the selector, except that both its vertical and rotary action are under the control of the dial at the calling telephone. The connector also controls the ringing and busy circuit, and has several other special features. The connector bank contacts are multiple with the line switch under the same number and operate in conjunction with each other.

All these operations are under the control of the calling party's dial. If the dial is either forced to return to its normal position, or is retarded in its return, it is liable to cause a wrong number to be called.

Another important feature when using the automatic telephone, is that when a party has finished a call, the receiver should be hung on the hook. Do not use the finger to snap the hook down, as is very often done. The reason for this is that when the receiver is replaced on the hook, it gives sufficient time for the several switches operated during the call, to return to normal position. When the hook

is snapped down with the finger, the switches do not have sufficient time to release, consequently when a call is started thru generally a wrong number is called. Also take the receiver off clean before dialing a call. Otherwise you may get a busy tone, when as an actual fact the line you want is not busy.

In connection with the Brown Company service, it may be well for all concerned to know that the number of trunk lines from Berlin to the Cascade is necessarily limited. There are five in all, three at the service of Upper Plants numbers and two for Burgess numbers. For this reason one has in one case three chances for an interplant call; and in the other case, two chances that the line will not be busy. Also it should be borne in mind that there are peak demands towards eleven o'clock in the morning and in the middle of the afternoon. When you have an option in the matter of telephoning, it is the part of wisdom to get the business done early.

The electric power used for the automatic telephone system is a group of storage batteries, giving a combined voltage of 48 volts. The normal operating voltage averages 46 to 48 volts.

On trunk calls, repeating switches are used to assist the selector and connectors switches in their work over long distance.

(Continued from Page 5)

in respect to essential products, the tendency of the world's gold supply to concentrate in America and in India, and the necessity for being informed on world events. He pictured England, France, America, and Japan as the present leaders in industrial and military organization. All in all, his talk was a virile presentation of the need to study the world about us. He felt that the women through their various organizations are shaming the men in this respect.

NANSEN SKI CLUB

At a meeting at Claremont on December 9, the date of the Eastern Ski Championships to be held at Berlin was set ahead to February 18 and 19. Gordon Brown, the general chairman this year, has appointed the following group managers: J. J. Tellington, business manager; Alf Halvorsen, sports manager; Peter Beau-doin, amusements manager. The last is already busy upon plans for an Outdoor Vaudeville Show that will eclipse anything that has been attempted at previous carnivals. Strenuous meetings of the other committees will soon be under way. The list of appointments for the various activities will appear in the February Bulletin.