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## GEO. KNOWLING.

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# The Evening Telegram.

W. J. HERDER, Proprietor. . . . W. F. LLOYD, Editor.

St. John's, Newfoundland, March 14, 1910.

## Legislature Visits Works at Grand Falls and Bishop's Falls.

On Friday at 7 p.m. the members of the Legislature, Mr. W. G. Gosling and Mr. Robert Rendell went out by special train to Grand Falls to inspect the pulp and paper plants in operation there.

The party arrived at Grand Falls about 11.20 on Saturday morning, and was received by Mr. M. M. Beaton, the President of the Company, and a number of the chiefs of the staff.

The party was entertained at luncheon in two sections, one at President Beaton's residence, the other at Grand Falls House, Lord Northcliffe's residence. After luncheon the party divided up into small parties and visited the works. The saw mills were seen where the logs carried up from the log pool are taken up by endless chain and sawn up into 32 inch billets. Those works were explained but the operation was not seen as the cutting-up season was not on. A unique aerial viaduct conveys and dumps the billets into a range of hills some 80 feet in height and 4,500 feet long. Half of this dump had already been eaten up in the process of pulp making, and sufficient was left to keep the plant running at its present rate until May.

Having ranged along the dump our party made its way to the fore-bay and viewed the head of water barred across the river by the 82 foot cement dam, and harnessed to the turbines some 2,000 feet away by sluiceways, fore-bay and mammoth pipe ways. This volume of running water dropping 112 feet provides the energy which runs the barking, grinding, splintering and other plants, and which also is converted into electric-

ity for lighting and other purposes. From the fore-bay the parties wended their way to the end of the dump of billets where men were at work picking out the billets and feeding them to a trough on an incline through which a stream of water was flowing, which carried the billets to the foot of an incline plane on which an endless chain belt was running which picked up the billets at times with the help of a man stationed here with a pike who assisted the passage of the logs when they became congested. This belt lifted them to the mill.

A concise and clear statement of the works at Grand Falls is to be found in "The Newspaper Owner," published on February 26th, and reporting an interview between M. M. Beaton, Esq., President of the Anglo-Newfoundland Company and the editor. We submit a part of it:—"Would you mind giving me a few facts and figures illustrative of the size and scope of the operations that are being carried on by your company, and first, as to the engineering part of the work?"

"That was, of course, carried out by Mr. Hardy, of whom you have doubtless heard. Mr. G. F. Hardy, who is one of the most eminent hydraulic engineers in America, planned and designed the Grand Falls Mills, and the accessory dam and pipe work on the Exploit river, on which there is a total fall above the mills of 112 feet. The dam at the top is 82 feet wide, with two wings accounting for another 500 feet. The steel tubes, or penstocks, which conduct the water from above the dam to the powerhouse, are 15 feet in diameter, and 2,150 feet long. The energy thus created operates four double turbines for the 24 pulp-grinders, and three others for the 2,500 horsepower dynamos, which light the mills and town, and actuate seventy electric motors in various parts of the works."

"Then there is no steam plant?" "Accessory steam plant is provided for contingencies, and electricity can be generated and pumps worked by this means if necessary."

"Might I ask how many men were employed in the work?" "About 1,000 during the last year, and in the logging operations last winter some 850 men and 50 horses

were engaged at the thirty-three camps."

In reply to further questions, Mr. Beaton then kindly described the logging and subsequent operations, which are as follows:—

The area leased by the company is some 3,000 square miles, and its centre is Red Indian Lake, forty miles long by three miles wide, and around which the camps are pitched. The logging season is from September to April, during which period last year more than three million logs were cut and sleighed—ten or fifteen at a time—down the snow to the lake, where they are gathered into "brows." When the ice breaks up these "brows" are launched within large chain-connected logs, and towed by steamer to the river exit, where they are let go, and guided clear of rapids and other obstructions by the river men upon them.

Arrived at the mills, 56 miles lower than carried by conveyor to the parker knives, and subsequently to the down, the logs are cut into 32in. lengths by an automatic saw, and grinded in the houses. Here they are ridged of frost by steam and ground at end against huge stones under five tons' pressure.

The resultant stock, or pulp, is pumped up and run to flat screens of thin brass sheeting, perforated with fine slits, below which works a rubber diaphragm, the inside of which is a vacuum, which sucks through the screen the finest of the stock, the rest being refined and made into cardboard.

The logs for sulphite pulp are reduced by machines working across the grain of the wood, to inch-square chips, which are "cooked" or "digested" in steam and sulphuric acid, the latter of which is made in six high wood cylinders (150ft. by 6ft.) within a 200ft. steel water tower. These cylinders are filled with lime, below which Louisiana sulphur is roasted, and into which water trickles.

The resultant sulphuric acid, or bisulphite of lime, is stored in large vats adjoining the Digester Building which contains two huge upright steel boilers, or digesters, and measures 112ft. in height, 75ft. in length, and 32ft. in width.

Of 240 tons of dry pulp ground daily in the 24 grinders one-third goes, after being mixed with sulphuric acid, to the paper-making machines, whilst the wet pulp, which may now weigh up to 320 tons, is baled in pressed sheets for export. The two digesters turn out, in addition, 50 tons of sulphite pulp daily, part of which is also exported.

From the vats the reels and bales are conveyed by the company's railway to the coast for shipment, in which latter service the company's own ships will presently be employed.

There remains to add that throughout the works every valuable labour and material-saving device that is known to modern paper-making science is utilized; that more than 2,000 sprinkler heads are ready to deal automatically with fire; and that, alike in the works and in the new model town of Grand Falls, nothing has been overlooked or omitted from the point of view of the workpeople's comfort and well-being.

Mr. J. P. Riley, formerly one of the International Paper Co.'s best known mill managers, is the mill superintendent, and he is assisted by a staff of skilled American foremen, under whose expert guidance the Newfoundland operatives have rapidly graduated to proficiency. Dr. Chamberlain is the resident physician, and the company's farms, from which the

town draws supplies, is directed by Mr. Albert Bayly.

Among the amenities of the occasion was the exchange of cable messages. On arrival at Grand Falls, the Premier was handed a message from Lord Northcliffe:—

"Grand Falls. "Movements your distinguished party recorded here, morning and evening, in newspapers printed on superb Grand Falls paper. Rejoiced to find greatly increased British interest in Newfoundland here. Lady Northcliffe and I hope to welcome all at Grand Falls House in September. (Sgd.) "NORTHCLIFFE."

To this message, Sir Edward replied as follows:—"LORD NORTHCLIFFE, "London."

"Whole Legislative party highly appreciate your kindly message. Just returned from thorough inspection of mills. Magnitude of your enterprise impresses everyone; evokes sincere hope it may continue to meet greatest possible success. (Sgd.) "E. P. MORRIS."

The impressions of the sights on the Premier, the Minister of Finance, the Colonial Secretary, and Messrs. Kent and Cliff were cabled to the London papers. Among those toasted who were absent were the Napoleons of Journalism, Lord Northcliffe and the late Premier, Sir Robert Bond, who faced oblation and obloquy in pioneering the Harmsworth Contract through the House of Assembly, which is realizing the brightest hopes of its supporters. During the last five months great progress has been made in the building up of the town and the lighting of the houses. On the way back to town a visit was paid to the works of the A. E. Reed Company at Bishop's Falls, where a dam is in course of construction of greater dimensions than that of Grand Falls. Pits for the power house have been excavated and the main buildings of the pulp factory are now in course of construction. Pulp will be made here but not paper, and a thriving settlement is already springing up in this pretty spot.

### Here and There.

Remember the Sociable at Wesley Church, St. Patrick's Night, March 17. Price 25 cts

The regular monthly meeting of the St. John's Typographical Union will be held in the British Hall on tomorrow (Tuesday) evening, at 8 p.m. By order, W. SKAVES, Secretary.—ad.11

"William is back again." See him in "Shaan Rhue" at St. Patrick's Hall on St. Patrick's afternoon and night. Tickets at Atlantic Bookstore.—ad.11

"You are dead a month, go back to the grave." See Laurence Emmet McCarthy, "The Irish Detective," Star Hall, St. Patrick's night. Tickets at Hutton's. Secure yours now.—ad.11

"The Irish Detective" in 4 acts. First production in St. John's, St. Patrick's Night, Star Hall. Specialties, Illustrated Songs, "Only a Shamrock" and "Killarney," also Downey, the "Ventrolloist." New scenery. Splendid costumes. Tickets at Hutton's, 50c, 30c, and 20c.—ad.11

Gallery and Pit patrons of St. Patrick's Hall on St. Patrick's night are reminded of the annual rush for these seats. Doors will open at 7 o'clock. ad.11

HE STOLE FIVE DOLLARS.—One Pierre Duffin, a labourer of Grand Falls, was before Magistrate Fitzgerald on the 6th inst., charged with stealing \$5 from the trunk of Matt. Turner in the boarding house where both resided. The evidence against him was convincing, and he was fined \$10.00 and costs which he paid.

TO CURE A COLD IN ONE DAY. Take LAXATIVE BROMO Quinine Tablets. Druggists refund money if it fails to cure. E. W. GROVE'S signature is on each box. 25c.—oct25 in

THE BRUCE'S PASSENGERS.—The Bruce arrived at Port aux Basques at 10 a.m. yesterday. Her passengers were:—A. H. Harris, A. O. and Mrs. Sanderson, C. D. George, P. Murphy, A. S. Rendell, J. Rendell, W. H. Morrow, Miss E. Carberry, J. Baxter, W. H. Webber, H. F. Spencer, S. Pynn, L. G. McKay and Mrs. J. Aimey.

THE ANNUAL IRISH NIGHT under the patronage of His Excellency the Governor and Lady Williams takes place at the Methodist College Hall on St. Patrick's Night. A choice programme of Irish melodies will be rendered by our leading singers and musicians. Admission—Reserved Seats, 50 cents; General, 25 cents. The performers are: Mrs. Job, Mrs. Ayres, Misses Strang, Story, Bates and Burnham; Miss Sybil Johnson, violin solo; Messrs. Moncrieff Mawer, Tuff, King, O'Neill, Martin, LeMessurier, O'Reilly and Hutton. Plan of Hall at Hutton's.—mar14,31

Minard's Liniment Cures Soregout in Cows.

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### Be Sober and Watch.

A record attendance of members was made yesterday at the quarterly meeting of the T. A. & B. Society. The names of 10 young men were added to the roll amidst enthusiasm. The Spiritual Director, Father Kitchen, gave an address on "The evils of intemperance," which was received with rapt attention. Secretary Hynes of the Club presented his report, showing the progress of that branch. The Band Committee consider the band, under the direction of Prof. D. A. Flynn, second to none in the city. The Guardians' report showed that 25 new members had joined the Juvenile Branch during the quarter. This increase was gratifying to those present, who expressed their appreciation of the Guardians in charge. Suggestions were made for the providing of a recreation room for the boys and the services of a competent drill master in athletics. It is also the intention of the parent society, as outlined by President W. J. Ellis, to establish a music studio, to be in charge of a music teacher, where the juveniles who have left school, and some to work may educate themselves in music and singing. This announcement was received with applause. It is a move in the right direction, and would be the means of hundreds of parents placing their children in the hands of the junior branch. After the general routine business was finished an adjournment was taken till the second Sunday in April.

### Man Reported Missing.

Mrs. Hearne, who lives at Alexander Street, came to the lockup to-day and reported that her husband, John who is a cabin, left his home at 11 p.m. Saturday and has not since returned up to that time. The belief entertained by those who know him is that he has stowed away to the sealfishery in one of the sealing steamers.

### Norwegian Fishery.

1910.	
Lofoden	7,500,000
Others	11,100,000
Total	18,600,000
1909.	
Lofoden	6,000,000
Others	10,492,000
Total	16,492,000

### How She Was Lost.

By the Portia we learn that the French schooner Norman Fisher, which was lost on the S. W. Coast about two weeks ago, was fishing out of Rose Blanche when on the 2nd inst. with a number of other small craft she bore up from the grounds, somewhat late. A Newfoundland, a member of the crew, offered to pilot her to Rose Blanche, but in the thick weather the man made a mis-shot and put the vessel into the "false passage" and she went ashore soon becoming a wreck. John Garcon, the lightkeeper, noticed the accident, and seeing the danger of the crew kept the fog whistle blowing to attract the other bankers. This it did, and though they were on the other side of the island they landed their boats despite the rough weather and at great risk saved the crew of the vessel. The Fisher was owned by Floquet Bros. St. Pierre, and was the first Frenchman to engage at the winter fishery from Rose Blanche.

### BOOKS for LENT!

The Faith of our Fathers, by Cardinal Gibbons, paper, 40c.  
Lenten Meditations on the death of our Divine Saviour, by Rev. S. Finn, cloth, 47c.  
Vain Fears that keep you from frequent communion with our Lord, paper, 15c.  
The Way of the Cross, translated from the French, cloth, 85c.  
Sermons on subjects of the Day, by Cardinal Newman, cloth, \$1.00.  
Cardinal Wiseman's Lectures on the Church, cloth, \$1.00.  
Short Sermons, by Rev. E. Heffner, cloth, \$1.45.  
Life and Miracles of St. Benedict, by St. Gregory the Great, cloth, 75c.  
The Altar Manual; or, Devotions for Confession and Communion, by Rev. E. Caswell, cloth, 40c.  
The Client of the Sacred Heart, cloth, 45c.  
The Elevation of the Soul to God, by Rev. F. J. L'Estrange, O. C. D., 30c.  
St. Augustine's Confessions; or, Praises of God, cloth, 30c.  
Readings of the Sacred Heart, cloth, 30c.  
Devotions of the Holy Angels, cloth, 30c.  
The Vesper Book, with a collection of English Hymns, cloth, 30c.  
Hours at the Altar; or, Meditations on the Holy Eucharist, cloth, 45c.  
The Office of Holy Week, according to the Roman Missal and Breviary, with explanation of its ceremonies and observances, by Father Cresset, S.J., 15c, 30c. and 60c. each.

**GARRETT BYRNE,**  
Bookseller and Stationer,  
Phone 538. Box 404.

A freight train, Conductor Besant, arrived here at 3.30 p.m. yesterday.

### Here and There.

DETECT STOWAWAYS.—Just before the Bellavente left Saturday evening three young chaps were found stowed away.

A SETTER ENTICED AWAY.—A black settler belonging to a gentleman of the West End was enticed away from the R. N. Co. railway station last Wednesday.

OPORTO MARKET.—The Oporto market to date is as follows: Wheat, 26,700 qtls.; consumption, 4,800; Norwegian stocks, 9,450 qtls.; consumption, 4,950; stocks at Vienna, 600 qtls.

FISHERY AT BURGO.—Fairly good fishing is now going on at Burgeo and vicinity. The fish is quite plentiful on the grounds but the weather since the 5th of March has been too stormy.

I. O. G. T.—Owing to the painting and re-roofing of the Congregational Lecture Hall, Terra Nova Lodge of Good Templars will not meet till Tuesday, 22nd inst. Members are requested to govern themselves accordingly.

M. C. L. I. meets on Wednesday, March 16th, at 7.45 p.m. in the Institute Room, Methodist College Hall. Debate: "Would Trifling Reform benefit Great Britain?" Leaders—Messrs. H. E. Cowan and H. N. Burt.—ad.11

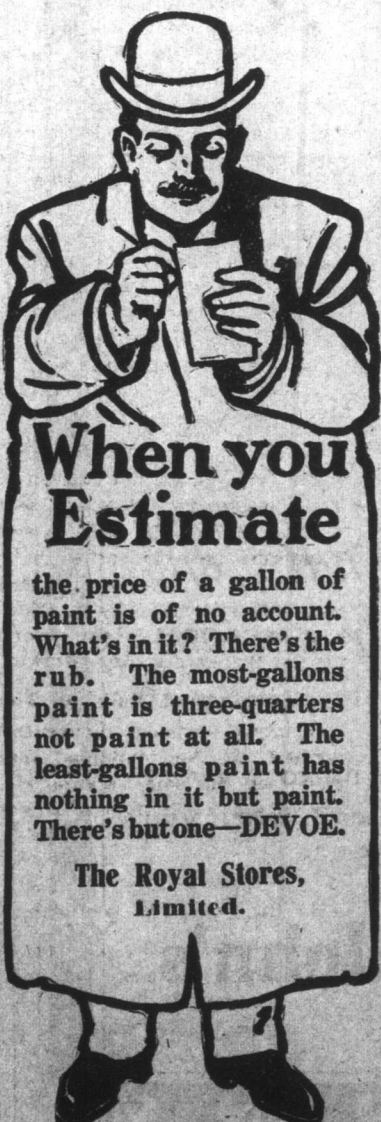
HIGHLANDERS' SPORTS.—These sports promise to eclipse everything of the kind ever held before. The "Highland Fling" and "Scotch Reels" will be worth coming a mile to see, while the Manual Exercises and Gymnastic Exhibition will delight you. Don't fail to see the Inter-Brigade Race. Come on March 18th.—m.w.f

### Marine Notes.

The Reliance, Mr. P. Templeman's schooner, Capt. Diamond, arrived here yesterday, four days from Halifax. She left there on Wednesday last and met fine weather on the passage.

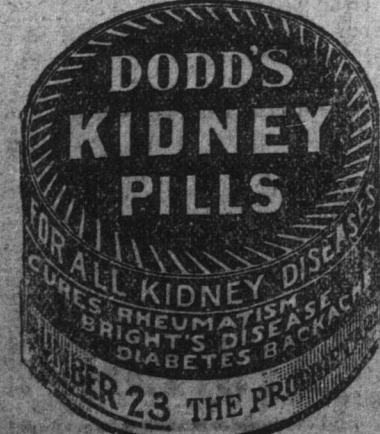
### DIED.

On Sunday morning, after a long and tedious illness, George William, eldest son of Frank E. and Lillian Rendell, aged 11 years and 4 months, funeral to-morrow, Tuesday, at 2.30 p.m. This morning Mary Kathleen, darling and only daughter of F. W. and Minnie Fradshaw, aged 5 years.



**When you Estimate**  
the price of a gallon of paint is of no account. What's in it? There's the rub. The most-gallons paint is three-quarters not paint at all. The least-gallons paint has nothing in it but paint. There's but one—DEVOE.

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"Then there is no steam plant?" "Accessory steam plant is provided for contingencies, and electricity can be generated and pumps worked by this means if necessary."

"Might I ask how many men were employed in the work?" "About 1,000 during the last year, and in the logging operations last winter some 850 men and 50 horses