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THE ST. JOHN STAR is published by THE SUN PRINTING COMPANY, (LTD.) at St. John, New Brunswick, every afternoon (except Sunday) at \$2.00 a year.

TELEPHONE:—

BUSINESS OFFICE, 25.

EDITORIAL AND NEWS DEPT. 1121.

ST. JOHN STAR.

ST. JOHN, N. B., SEPT. 11, 1907.

NOVA SCOTIA'S PROGRESS.

The people of New Brunswick must soon awake to the importance of a system of technical education, or the sister province of Nova Scotia will have attained a lead which will be overcome only by great difficulty. Nova Scotia is deserving of all credit for the advance which has already been made, and the policy now definitely formulated is one which must undoubtedly bring profitable results. That province already leads all Canada in the matter of technical instruction under provincial control and the advanced system which is now being adopted is evidence that the people have a proper appreciation of the benefit to be derived. In New Brunswick we have all along been satisfied with teaching our boys and girls the rudimentary branches and with forcing upon them a smattering of many subjects which will be of absolutely no value in after life but are taught because the study assists in developing the intellect. We have overlooked, seemingly, the fact that there are other subjects equally valuable in training the reasoning powers which will be of some use to the pupils when they pass from the classroom to the larger school of life. But misplaced conservatism in handling such an important institution as public education is our undoing and we stand still, satisfied with oldtime methods, while our neighbors advance. The world it is argued needs scholars. Men of high attainments in literature and kindred subjects are of no less importance than are those who spend their lives in the production of more material things. But these men will find their way to the top no matter what the prevailing system of education may be. The world has prospered but science has suffered through the classical nature of the education of the past. Now man calls for practical knowledge.

Nova Scotia realizes this and while the old forms of education are not to be abolished, they will be strengthened by the establishment of courses such as will properly meet the requirements of the day. According to present arrangements the government will establish as the head of the whole system, a technical college. Halifax and Toronto have for some little time been striving for the possession of this institution. Prof. E. H. Sexton has been chosen principal of this college and will have a general supervision of the whole system. A chain of technical schools will be established throughout the province for the purpose of giving instruction along the lines most appropriate to the districts in which the schools are located. Classes in mining, for example will be conducted in Glace Bay, Sydney Mines, Inverness, Pictou and Cumberland. The engineering schools now in existence will be improved, and others added to the list. Technical schools for general instruction in practical work will be opened immediately in the principal industrial centres of Halifax, Amherst, Sydney and New Glasgow.

In addition to these there will be classes presided over by efficient teachers in mechanical and architectural drawing, mathematics, mechanism of different kinds, electricity, wood-working, chemistry, and the more common trades to meet the demands of the students. Surely in all this there is to be found ample evidence of progressiveness which New Brunswick should not disregard.

On Sunday, three days ago, three men were shot in a riot at Prince of Wales. The only announcement so far on the part of the police authorities is that a charge may be made against the foreman of the gang of Italians for selling liquor. This can hardly be called energetic action for the maintenance of order and the punishment of criminals. Someone has done the shooting. It is the duty of the police to bring the guilty parties to justice.

There are indications that the outbreak in Vancouver has been directly due to the exhortations of anti-Asiatic agitators from the United States. Canadians are perfectly able to manage their own affairs, and the introduction of this outside element is wholly undesirable. Interference in such matters is not wanted, and British Columbia will do well in making the men from across the border pay dearly for their conduct.

The Baptists and Anglicans of Ontario are not favorably inclined to union with Methodists, Presbyterians and Congregationalists. This is no great disappointment. In the union movement the latch string was out

for whoever wanted to enter. These denominations were given an invitation. They send regrets. It doesn't matter, the party will go on just the same.

Liberal ward workers are called to meet tomorrow evening. Organization is always to be desired, and while at the present time there is no indication of a strenuous conflict still committees must be in readiness, and have their work thoroughly laid out. All should endeavor to attend these meetings, and complete arrangements.

Carleton County is finding that Scott Act evidence bought from spotters is not always reliable. A man who can sink so low as to become a spy for money, can also manufacture evidence as required.

WHAT YOUR STRIVING DOES FOR OTHERS.

If all the end of this continuous striving were simply to attain, How poor would seem the planning and contriving. The endless urging and the hurried driving Of body, heart and brain!

But ever, in the wake of true achieving, There shines this glowing trail: Some other soul will be spurred on, conceiving New strength and hope, in its own power believing, Because thou didst not fail.

Not thine alone the glory—nor the sorrow, If thou dost miss the goal; Undreamed of lives, in many a far tomorrow, From thee their weakness or their force shall borrow— On, on, ambitious soul!

IN THE HAY MOW. The horses stamp and champ their oats Down in the stall below, And through the open hay-mow door The swallows come and go.

The sun is very bright outside; The men shout far away; And in the mow the children climb And play among the hay.

—Katharine Fyle, in Harper's Bazar.

THE OTHER GIRL.

How fair you looked that night in May, When you and music held full sway, With eager haste I clasped your waist, To claim you for a twirl; And when, the dancing done, I told To willing ears the story old, Your soft reply was "Yes," and I forgot the other girl.

In lustrous silk and filmy veil You stood before the altar rail, A bride as sweet as one could meet, Or womanhood the peer; But as we turned to face the aisle, A shadow crossed your winning smile, And, in a gleam in plainest view, I saw the other girl.

Dear Rose, you are a charming wife! For ten glad years you've made my life A happy lot, and I would not Change places with an earl; Yet sometimes, when you pout and frown, Or wear an unbecoming gown, My thoughts fly back along Time's track To greet the other girl.

OUT TO SEA.

A dusky cloud upon the summer sky, The faint, far presage of the storm to be, That grows and gathers strength as hours go by, Far out to sea.

Upon the distant shoals a spray of white, That leaps and dances as the breakers roar; And nearer, sea-gulls wheeling in their flight Towards the shore.

A bark that glides before the awakening breeze Where flows the channel deep across the bar, As though there lay no terror in the seas That stretch afar.

A troubled sunset. Evening, misty grey, The fog bell ringing out upon the coast, A storm that sweeps the waves upon its way— A reckless host.

A golden sunrise, laughing at the morn, A gull, boud seaward, skimming gaily past, A few drift-logs upon the billows borne— A floating mast.

DESERTED.

The homestead, sole upon the hill Looked down upon fields below; Old-fashioned posies wreathed its sill, Cinnamon, rose and cardofil, With marmalade a-row.

When sunset on its windows fell, A gleaming scarlet flame, With jingle, jangle of the bell Homeward the cattle came.

Then golden heard and nutbrown head Ran down the meadow lane, To meet their father as he led The cows from pasture where they fed. Back to the barn again, The lads knew these kind creatures well.

And called them all by name, When jingle, jangle went the bell, And home the cattle came. Deserted on the lonely hill The house seems dumb and blind; The sunset flame upon it still. The garden plot none cares to till. Blooms for the sun and wind, The little lads are men, and dwell Far from their boyhood's home, Where jingle, jangle with the bell No more the cattle come.

THE STAR, ST JOHN, N. B. WEDNESDAY, SEPTEMBER 11, 1907

USE OF THE RARE METAL TANTALUM

Two Years Ago This Discovery Was Scarcely Known Outside Few Laboratories.

Some Remarkable Experiments Made to Demonstrate the Extreme Hardness of the Mineral.

Tantalum is a rare metal which has attracted universal attention during the last two years, before which it was scarcely known outside of some scientific laboratories. It was discovered and investigated in 1802 by a Swedish chemist named Exelberg, who, on account of the tantalizing difficulties experienced in extracting the metal from its ore, called it "tantalum."

Only two years ago, says the Engineering Magazine, it was decided by German scientists that what the discoverer thought to be tantalum was an alloy of it and a carbide. More tantalizing efforts were then necessary to produce the metal in its perfectly pure state. This being achieved, tantalum immediately became of such importance that it is now revolutionizing at least one large industry, that of the manufacture of incandescent lamps for electric lights.

The so-called tantalum lamp is an incandescent electric lamp with a filament made of a very fine tantalum wire instead of a carbon filament, as in the ordinary incandescent bulb. The most salient features of the tantalum lamp are that while the filament is so arranged as to have a total length of about two feet without materially increasing the size of the lamp, but half of the amount of current is needed to produce a light of the same intensity as that of an ordinary lamp with a carbon filament, and the light is so much brighter and whiter and the life of each lamp is the same time increased so considerably that in view of all these advantages it would be more economical to pay \$1 for a tantalum lamp than to get the old carbon lamps for nothing.

Although the attempt has been made in at first as a mere scientific experiment, the mechanical difficulties in alloying tantalum with steel have been so great that it has not been possible to produce in Sir John Northcote's "Note Book," Dec. 2, 1904, Lord Gray is described as saying of one Halford or Halford "that he is no gent; that in memory of divers he kept hogs." The cognate word gentleman can be traced about a century earlier—London Notes and Queries.

One of the most striking experiments to demonstrate the hardness of tantalum was that for the purpose of boring a hole through a sheet of pure tantalum metal. A diamond drill bore was used, revolving incessantly for three days and making five thousand revolutions a minute. The result showed a depression of less than 2.02 in the metal, while the diamond had become entirely dull and smooth.

Another group of rare minerals which is of the utmost importance in the illuminating industry contains the elements thorium, cerium, yttrium, zirconium and some others. These minerals, on account of the physical character, are generally known under the name of "rare earths."

Monazite, occurring in the form of sand, is the only commercially developed source of the metal thorium, which since its discovery in 1828 until about a decade ago belonged to that class of rare metals whose existence was of consequence rather in the higher range of chemical speculation than for industrial use, but the invention of the gas burner mantle shifted it at once from this class of substance into that of products indispensable to our everyday need.

The discovery of the illuminating power of thorium and its combination with other chemical compositions, especially a nitrate of cerium, which is likewise extracted from monazite sand, has practically been the salvation of gas as an illuminant in competition with other lighting methods. Zirconium, the chief constituent of the mineral zircon, and yttrium, principally derived from gadolinite, furnish the main substance of the glow of the Nernst lamp, on which there exists more learned treatises than on any other lamp, but which has not come into general use.

Constable Joseph Melver paid a visit to Sussex, N. B., this week and arrested John Brown of that place. Brown was formerly a resident of Fredericton, Cumberland Co., and sold a lot of land to a party in that portion of the country to which he could not give a title. He was arrested by Constable Melver and brought to Amherst. His trial took place yesterday afternoon and he was remanded until Friday, the 13th inst. George M. Fowler, M. P. for Kings County, appeared for the defendant—Amherst News.

Store Closes at 9 p. m. Wednesday, Sept. 11, 1907.

Ladies' Laced Walking Boots. We have just received a fine line of Ladies' Laced Dress Boots, At prices from \$2.25 to \$4.00.

We have a very choice line of goods at \$2.25 per pair. Percy J. Steel, Foot-Finisher, 519-521 Main St. A.C. SUCCESSOR TO MR. WM. YOUNG.

CANCER IN HOUSES.

Startling Theory Advanced by Paris Physician.

Observation Seems to Prove That in House Where Cancer Has Caused Death Disease Frequently Breaks Out Again.

NEW YORK, Sept. 10.—The Sun has received the following cable despatch from Paris:—The sanitary authorities of Paris have reached the conclusion that houses can be infected with cancer, and that rooms which patients have inhabited will convey the disease long after the victims are dead. Observation seems to prove that in houses where a death from cancer has appeared the disease often breaks out again when occupied by other families. This fact has so often been noted that now a census has been taken to see about houses where cancer patients died during the last six months of 1906.

There are 1,062 houses on the list which will be watched to see if the new residents become affected with the disease. Already in twelve of the houses there have been two successive cases. Dr. Armand reports that in a village of only 400 inhabitants there were in the space of seven years eleven deaths from cancer, all practically occurring in the same block of houses. Three years later seventeen of these houses had sheltered twenty patients. The doctor concluded that the houses were hotbeds of cancer germs, and that no amount of disinfecting would drive them away.

Dr. Fillastrer makes report of a house where during thirty years there were five deaths from cancer, all in different families. Dr. Lambier mentions a farm-house at Gauxy where eight families lived at various times. Each family developed one or two cases of the disease. The question as to whether cancer is hereditary is not to be attributed to the same cause. Interesting results are expected from the observation which is now going on.

GENT AND GEMMAN.

This slang word seems to have come in at first as a mere scientific experiment. I have found the word layments in law reports of the seventeenth century, particularly those of Popham and of Davies. In Sir John Northcote's "Note Book," Dec. 2, 1904, Lord Gray is described as saying of one Halford or Halford "that he is no gent; that in memory of divers he kept hogs." The cognate word gentleman can be traced about a century earlier—London Notes and Queries.

FOOT WORRIES

are unknown to those who use Regal Foot Powder. It keeps the feet cool, prevents chafing, checks excessive perspiration and makes the skin of the feet firm and healthy.

25c. a Box, Sold Only By E. CLINTON BROWN, DRUGGIST, Cor. Union and Waterloo Sts.

Genuine Imported BAY RUM,

In original bottles, —AT THE— Royal Pharmacy, King Street.

Dr. C. Sydney Emerson, DENTIST, 34 Wellington Row. Office hours from 9 a. m. to 12 m. and from 2 p. m. to 5 p. m. Phone 123.

5 LB. BAG GRITS 5 LB. BAG GRITZ 5 LB. BAG GRITS FOR 25 CENTS

Store Closes at 9 p. m. Wednesday, Sept. 11, 1907.

Ladies' Laced Walking Boots. We have just received a fine line of Ladies' Laced Dress Boots, At prices from \$2.25 to \$4.00.

We have a very choice line of goods at \$2.25 per pair. Percy J. Steel, Foot-Finisher, 519-521 Main St. A.C. SUCCESSOR TO MR. WM. YOUNG.

Exclusive Jewelry, Etc.

In new goods, and an endless variety from which to choose Remembrances.

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It's All Over—They Have Come We Are Here With The Goods.

Peas, Carrots, Celery, Lettuce, Turnips, Tomatoes, Blueberries, Cabbage, Corned Beef, Lamb, Pears, Apples, Groceries. CHARLES A. CLARK, Phone 803. 73-77 Sydney St.

PLUM BROWN BREAD. McKiel's Excellent Quality. Ask for it Tomorrow Afternoon and Evening, to eat with your

Pork and Beans. At all Grocers, and at McKiel's Own Stores, on Main St. Wall St. and Metcalfe St.

WOOD—When you are Wood—Hard, Soft or Kindling—call up 468, City Fuel Co., City Road.

STILL IN BUSINESS. We deliver dry, heavy Soft Wood and kindling cut at stove lengths, at \$1.00 per Load. McNAMARA BROS., Chelvey St. Phone 733.

CHRIS ROBINSON'S BUTTER NUT BREAD ST. JOHN, N.B.

unexpected delay in distributing Butter-Nut Bread souvenirs. Something has gone wrong in shipment from Chicago. We are looking into the matter and expect to have the souvenirs any day.

ROBINSON'S. Scenic Route. Between Millville, Summersville, Kennebecas Island and Baywater. Steamer Maggie Miller leaves Millville daily (except Sunday and Saturday) at 9 a. m., 3:30 and 5:30 p. m. Returning from Baywater at 7 and 10 a. m. and 4:15 p. m. Sunday leaves Millville at 9 and 10:30 a. m., and 2:30 and 5:15 p. m. Returning at 8:45 and 11:15 a. m. and 4:30 and 6 p. m. Saturday—Leaves Millville at 7:45 and 9 a. m. and 3, 4 and 6 p. m. Returning at 6, 7:30 and 10 a. m. and 4:45 and 6:45 p. m. JOHN MCGOLDRICK, Agent.

A. E. HAMILTON, Contractor and Builder. Jobbing of all descriptions promptly attended to 182-188 Brussels Street Phone 162

LIBERAL WARD MEETINGS Meetings of the Liberal Electors in the various wards will be held on THURSDAY EVENING, SEPT. 12 at 8 o'clock, for organization.

BERRYMAN'S HALL—Kings, Queens, Dukes and Sydney. SUTHERLAND'S HALL—Prince and Wellington. McLEAN & HOLTS—Victoria. SGOVE'S HALL, 125 Mill St.—Dufferin TEMPLE OF HONOR HALL—Lorne, Lansdowne and Stanley. ODDFELLOWS' HALL—Guys, Brooks and 119-2. THOS. MCANITY, Chairman.

Great interest is being aroused throughout the province over the coming visit of General Booth, head of the Salvation Army. The General will arrive here on Saturday and will remain until Monday. The Opera House has been engaged for the meetings, the chief of which will be the General's address on Sunday afternoon when he will speak on "The Secret of the Success of the Salvation Army." In the evening a Salvation Army meeting will be held.

Going Hunting This Season?

If so, let us fit you out with a pair of Hunting Boots or Shoes. Shooting Boots and Creedmore's are here. Some splendid values and some splendid work of the shoemaker to show you.

We have exactly what you need if you are a hunter. Don't see how you can get along without a pair of our Hunting Boots or Shoes. Come in and take a look, for you will be interested if you are fond of hunting.

Prices none too high—\$3.50 to \$5.00.

D. MONAHAN, 32 Charlotte Street.

IF YOU WANT CAPS

WE have them of every description and for every purpose. Best in Quality, Finish and Style. An extensive assortment of Cloth Tam O'Shanter Caps, 35c, 50c, 65c, 75c, \$1.00 and \$1.25. Boys' Glens and Golf Caps. Men's Outing Caps. Tell your needs and we can supply you.

THORNE BROS. HATTERS AND FURRIERS, 93 King Street

Do You Want To Be Cured?

To Enjoy Life? To Have That Buoyant Feeling that Comes Only With Health? If so try McMILLIN'S DYSPESPIA CURE. It positively cures the worst cases of Dyspepsia, Indigestion, and all troubles caused by diseases of the stomach.

"THE KIND THAT CURES." Made and sold by W. J. McMILLIN, 625 Main Street. Phone 980.

Bargains in School Books!

FIRST PRIMER, 5c; SECOND PRIMER, 5c. FIRST BOOK, 15c; SECOND BOOK, 25c. THIRD BOOK, 35c; FOURTH BOOK, 45c. MANNING SPELLER, 25c; GAGE'S PRACTICAL SPELLER, 7c. THREE (3) SCRIBBLERS, 5c; 3 EXERCISE BOOKS, 5c. BOTTLE INK, 5c; 10 SLATE PENCILS, 1c; SLATES, 5c, 7c, to 17c. ALL SCHOOL SUPPLIES AT CUT PRICES.

PEOPLE'S DEPARTMENT STORE, 142 Mill St

Our Daily Hint



III. The model maid who's not afraid Of extra work and doesn't shirk Is in demand, we understand, Yet if it is true, such maids are few. If you are such a maid and much Desire good pay, start in today! And read our Female Beta Wasis through! For there's a place awaiting you.

Mrs. E. Johnston, Gibson, left by yesterday's train for St. John—Gleaner.

The Independent Order of Foresters has a luxurious tent at the Toronto Exhibition. We presume Mr. Geo. E. Foster is being exhibited to all good Foresters at ten cents a peep—Halifax Echo.

Mr. Ernest W. Appleby of St. John spent Sunday in Marysville the guest of Mr. and Mrs. Geo. K. Cochrane. Mr. Appleby is popular in St. John musical circles and the duet he and Miss Edith Cochrane sang in the Methodist church Sunday evening was very enjoyable—Gleaner.

Mr. J. Everett Watters, who is conducting the Nickel moving picture show here, called at The Gleaner today and issued a challenge for a ten mile race on the river here with any 25 foot motor boat in the Maritime Provinces, the race to take place during Exhibition week. Mr. Watters is the owner of the Marconi, and he is of the opinion that some of the St. John motor boat owners may desire to come up here and try conclusions—City to the youngest patient.

COLUMBUS, Ohio, Sept. 10.—Announcement of the discovery of an anti-toxin that, it is alleged, will kill diphtheria germs in the living human organism within the short space of three minutes has been made at the Ohio State University by Professor Blythe, physiological chemist, as the result of an exhaustive technical and intricate series of tests. The discovery is accredited to Theodor Wolfram, a German chemist, now living in this city. The anti-toxin was given tests in the hospitals and private practice before announcement of its discovery was made. It is applied by infusion and can be given in any quantity to the youngest patient.

Have One Doctor No sense in running from one doctor to another. Select the best one, then stand by him. Do not delay, but consult him in time when you are sick. Ask his opinion of Ayer's Cherry Pectoral for coughs and colds. Then use it or not, just as he says. We have no secrets! We publish the formulae of our preparations. J. C. Ayer & Co., Lowell, Mass.