

THE EVENING TIMES AND STAR, ST. JOHN, N. B., SATURDAY, OCTOBER 14, 1922

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The St. John Evening Times is printed at 27 and 29 Canterbury Street, every evening (Sunday excepted) by The St. John Times Printing and Publishing Co., Ltd., a company incorporated under the Joint Stock Companies Act.

TODAY'S POLITICS.

Events at Ottawa would appear to be moving steadily toward a definite working agreement between the Liberal and Progressive forces. This will not be a merger or an amalgamation, but an alliance which, if it matures, will consolidate ultimately under one leadership the forward-looking, open-minded, real Liberal forces of this Confederation.

It has been said from time to time that the old party lines have disappeared. Strictly speaking, they never will disappear. It is a hackneyed statement to say that the Liberal party is essentially the party of progress, but the statement is true.

The condition of the Christian minority in Asia Minor is pitiable. Turkish cruelty has never ascended to greater heights. The political crisis in Great Britain is approaching a climax. Mr. Lloyd George's speech in Manchester today is an appeal for fair play.

RUBBER ROADS TO GET RID OF NOISES IN CITY OF LONDON

London, England, is shortly to have rubber roads. Although this will be a distinct departure in road engineering, experiments have been conducted for many years with a view of discovering entirely new types of surface which will be equally suitable for horse and for motor traffic.

Continental engineers have also obtained good results with cork paving blocks. They have been found to possess the advantage of being non-absorbent, noiseless, durable, not liable to expand and contract when laid, sanitary, and non-slippery when worn.

also, there are in the Liberal party, nominally, many men who should be in Mr. Meighen's battalions and who are conspicuously a detriment rather than an asset from the Liberal standpoint.

We have heard much in the recent months concerning class movements and class government in this Dominion. No class government will ever be set up in this country.

Canada today is feeling a breeze of freedom of political thought and, with wise and prudent leadership at Ottawa, the Liberal party will be enlarged and strengthened to the great good of Canada.

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Out of the heart of the Empire there came this week a message of commendation and thanks to two men who had done much to save Great Britain from another war.

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FIFTEEN MINUTES OF RADIO EACH DAY

By Edward N. Davis Formerly Technical Electrical Expert For U. S. Government

Lesson No. 129.

PROTECTIVE REGULATIONS FOR TRANSMITTING STATIONS. In addition to the tentative regulations governing receiving stations issued by the National Board of Fire Underwriters, the following specifications constitute the proposed revision of Rule 86 of the "National Electric Code" in its application to transmitting stations.

RULE 86 NATIONAL ELECTRIC CODE—RADIO EQUIPMENT. (For Transmitting Stations.)

ANTENNA. g. Antennas outside of buildings shall not cross over or under electric light or power wires of any circuit of more than six hundred (600) volts or railways trolley or feeder air-gap distance be so located that a failure of either the antenna or the above mentioned electric light or power wires can result in a contact between the antenna and such electric light or power wires.

h. Lead-in wires shall be of copper, approved copper-clad steel or other metal which will not corrode excessively, and in no case shall they be smaller than No. 14 B. & S. gauge.

i. Antennas and counterpoise conductors and wires leading therefrom to ground switch, where attached to buildings, must be firmly mounted five (5) inches clear of the surface of the building, on non-absorbent insulating supports not less than five (5) inch cheegee and air gap distance to inflammable or conducting material.

j. A double-throw knife switch having a break distance of four (4) inches and a blade not less than one-eighth (1/8) inch by one-half (1/2) inch, shall be used to join the antenna and counterpoise lead-in to the ground conductor.

k. Antenna and counterpoise conductors must be effectively and permanently grounded at all times when station is not in actual operation.

l. The radio operating ground conductor shall be of copper strip not less than three-eighths (3/8) inch wide by one-sixty-fourth (1/64) inch thick of copper or approved copper-clad steel having a periphery of girth (around the outside) of at least three-quarters (3/4) inch (for example No. 2 B. & S. gauge wire) and shall be firmly secured in place throughout its length.

m. The operating ground conductor shall be connected to a good permanent ground. Preference shall be given to water piping. Gas piping shall not be used for ground connection.

n. When current supply is obtained directly from street mains, the circuit shall be installed in approved metal conduit, armored cable or metal raceways.

o. In order to protect the supply system from high-potential surges and kick-back there must be installed in the supply line as near as possible to each radio-transmitter, rotary spark gap, motor-generator sets and other auxiliary apparatus one of the following:

1. Two condensers (each of not less than one-half (1/2) microfarad capacity and capable of withstanding six hundred (600) volts test) in series across the line and mid-point between condensers grounded; across (in parallel with) each of these condensers shall be connected a shunting flash spark gap capable of not more than one-thirty-second (1/32) inch separation.

2. Two vacuum tube type protectors in series across the line with the mid-point grounded.

3. Non-inductively wound resistors connected across the line with mid-point grounded.

4. Electrolytic lightning arresters such as aluminum cell type.

5. In no case shall the ground wire of surge and kick-back protective devices be run in parallel with the operating ground wire when within a distance of thirty (30) feet.

The ground wire of the surge and kick-back protective devices shall not be connected to the operating ground or ground wire.

SUITABLE DEVICES. p. Transformers, voltage reducers, keys, and other devices employed shall be of types suitable for radio operation.

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WATERLOO COUNTY PRISONERS FED FOR 16 1/2 CENTS A DAY

Kitchener, Ont., Oct. 14.—The prisoners in the county jail here, were fed for the past year for 16 1/2 cents a day each, according to the annual report of Governor Cook. Last year the cost was 20 1/2 cents per day.

The report was the 70th of the jail and the 35th made by the present governor. During the year, 130 males and seven females were committed to the institution. Of these, ninety-six were committed for the first time; twenty-five for the second, and eleven for the third, and five for more than three times. There were no deaths in the institution for the year and no escapes.

DIES SUDDENLY IN HIS CAR WATCHING LACROSSE MATCH Orangeville, Ont., Oct. 14.—A tragic event occurred on Wednesday at the beginning of the third quarter of the lacrosse match between Weston and Dufferin, when one of the spectators, R. H. Robinson, a well-known Orangeville business man, had a heart seizure and died in his car just outside the playing enclosure.

He was about 55 years of age and was an old-time lacrosse player, having been a member of the champion Dufferin team of 1887. The occurrence had a depressing effect on the big crowd and effectually stopped any downtown celebration of the Dufferin's victory.

QUEBEC LEGISLATURE IS TO MEET ON OCT. 24. Quebec, Oct. 14.—(Canadian Press.)—Preparations are being made here for the opening of the next session of the provincial legislature, which will take place on Tuesday, Oct. 24.

THE STRANDING OF THE EMPRESS

To the Editor of The Evening Times-Star:

Sir—In your account of the inquiry into the Empress stranding, as given in tonight's paper, you refer to the chief engineer in your evidence stated that "the ship struck Black Point at 5:30," and that the stern was ordered at 5:50," which would be eight minutes after striking.

This is incorrect, as such evidence was not given, and in justice to Captain McDonald I wish to make a correction.

The ship struck Black Point at 5:22, as stated, but one engine was ordered full astern one minute before striking, and the other at the time of striking, and both kept running full astern until 5:30, as reference to my log will clearly show.

The third engineer was in charge of the engine room at the time, and was promptly summoned to the engine, assisted by the second engineer, who arrived just as the ship struck.

I am sure that the mistake was unintentional on your part and that you will be glad to make the correction.

Thanking you, I remain, Yours truly, C. R. KINNEY, Chief Engineer, S. S. Empress, St. John, Oct. 12, 1922.

FOR BORDER IRRIGATION.

Public Favor for This Method Growing, Says Reclamation Service.

The border method of irrigation, followed in many parts of the western states, is well adapted to a variety of soils and crops and is rapidly growing in public favor, says a statement issued by the United States Reclamation Service. The method consists essentially in the division of the land to be irrigated into series of strips, balks, or beds, as they are variously called, by low flat levees extending usually in the direction of the steepest slope. Surface water is turned into the upper end of each strip and allowed to move down the slope in a thin sheet, moistening the soil to a given depth as it advances toward the lower end.

The statement points out that this method pays to prepare a field for the border method for only one year. The method is said to be well adapted to the irrigation of alfalfa, clover and other forage crops, as well as all grains, and the forage crops may be rotated with the grains without modifying the procedure. It is also possible to irrigate potatoes, sugar beets and other rowed and cultivated crops by making a slight change in the borders, so that the latitude as to rotation is rather wide.

The most favorable soil for borders is a free-working loam several feet deep underlain by a more or less impervious subsoil. As the sheet of water flows down each strip the previous top soil is readily moistened, and the heavier soil beneath prevents the waste of water by deep percolation. Borders are also generally used where the subsoil is well and the surface well because such formations are the most favorable, but because no other method will do as well.

FODDER FROM SAWDUST.

One of Many By-Products of Wood, Says Forestry College.

There is considerable justification for the prediction that the by-products of the sawmill outvalue finished lumber when the large number of uses and the increasing diversification in utilization of wood are considered, says a statement recently issued by the New York State College of Forestry.

Only forty per cent of our cut timber is utilized. The unused sixty per cent is in such shape that generally it does not pay to use it. The problem of utilizing waste wood consists in turning it into waste products. Alcohol, tanning extracts, turpentine, pine oil, glue for ropes, carpets, bags and all sorts of fabrics; imitation leather, linoleum, insulating materials are a few of the products obtained from sawmill "waste," which was formerly actually waste, as it was thrown away.

It has been predicted that the by-products of wood, such as wood and "grain" alcohol, may sometimes equal alcohol, which is identical from wood and which is obtained from wood waste in a process that yields other products of value as well, says the State college.

AN OPPOSITION REPORT. (Halifax Herald.) The very interesting news is leaking out that the Murray government is seriously considering the expediency of going to the country in the near future.

With the general report comes the startling rumor, for which it is said there is a reliable foundation, that the government is intriguing for the practical support of the beer interests of the province.

It will be of great interest to the people of Nova Scotia to watch and see if the government sells out to the beer interests. If so, we may expect to witness an event of first-class importance to the electors of the province. We will have provincial election financed for the government on a beer basis.

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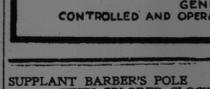
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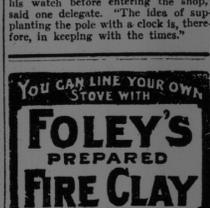
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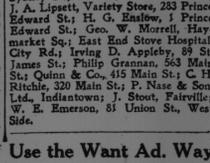
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