# REPORT AGAINST SAND FILTRATION

## Investigators Declare It is Inferior to Mechanical System.

## ISLAND SITE FAULTY

### Filtration Plant should Have Been Located on Garrison Common, Says Report.

"While the slow sand method shows, on a pumpage basis of 55,000,000 gallons per day, a saving of $24,933 per year over the mechanical system, we your officials charged with the duty of providing an absolutely continuous and safe supply of water, are, irrespective of cost considerations, forced to recommend the adoption of the mechanical system of filtration."

The above is the feature of the report upon additional water supply by Commissioner Harris, George G. Nasmith and Dr. Hastings, M. O. H.

Toronto's system now is slow sand filtration. For the past few months mechanical filtration was experimented with at West Toronto, and was a success. The report goes on to say:

"We have found in the operation of the island plant that, at times of easterly storms, the suspended matter carried from Scarboro, and particularly the fine sand carried in the water, has rendered the filters almost inoperative. Our experience in 1912 showed this condition to obtain for four periods, and while by dint of great effort, we have never come to the point where actual cessation of filtering operations was necessary, we feel that a long continued easterly storm would probably so clog the filters as to render the use of raw water necessary.

**Pipes Might Burst.**

"Again, from the inset of frost in the fall until the advent of warm weather in the spring, it is not possible to wash the sand scraped from the filter beds, by the methods provided, inasmuch as the pipe lines, etc., would freeze and burst, and the sand and water would be frozen during the washing process. To oversome this, it was found necessary last summer to build a storage sand bin in each filter, wherein the sand scrapings for the winter were held. We have been working night and day since spring to wash this accumulation, plus the sand from the beds in operation, and the quantity necessary for re-sanding.

"The complete construction of a slow sand filtration plant would take approximately three years, while a mechanical unit should be installed and in operation within 18 months.

"We deem it unfortunate that the filtration plant should have been erected at Toronto Island. The ideal place for such installation would have been on Garrison Common, which is within a convenient distance of the main pumping station, and would have been the strategic point at which, if necessary, other than lake water could have been filtered.

**Must Retain Site.**

"However, the fact that upwards of $300,000 has been invested in the island plant compels the retention of the island as a filtration site, unless the present plant is abandoned, which we, of course, cannot advise.

"The formation of the island is such as to render it an undesirable location for permanent construction of this nature, and the very extensive dredging operations which the harbor commissioners propose undertaking, may cause such dangers as to imperil the present or any future installation which may be built thereat. This possibility may be remote, but is of sufficient moment to justify us directing your attention thereto.

"The continuity of a filtered water supply for 365 days per year is in our opinion the dominant factor in the consideration of this proposition. A shut-down during a storm period would entail the use of raw water by the citizens, at a time when it is usually most dangerous, least amenable to chlorine treatment, and liable to produce epidemics. Construction of either slow sand filtration beds or a mechanical filter system would cost the same amount, one million dollars."

The report was adopted by the works committee.

## TORONTO VICTIMS' BODIES RECOVERED

BUFFALO, July 14.—The bodies of Capt. Barney McIntyre and his wife, Lizzie McIntyre, of Toronto, who were drowned in the foundering of the coal sailing barge Annabelle Wilson, off Point Gratiot, in Lake Erie yesterday, were recovered today.

Capt. Barney McIntyre and Mrs. McIntyre lived when in the city with Mr. John Ede of 29 Salisbury avenue. Mr. Ede, who is a gardener at the General Hospital, is a brother-in-law of the captain, and was falsely rumored to have been on the vessel when she foundered.

The report probably arose from the fact that Mr. Ede took a pleasure trip on the barge last year, and was intending to do so some time later this summer.

## ROYAL COLONIAL INSTITUTE.

LONDON, July 14.—(C. A. P.)—The following Canadians have been elected to the fellowship of the Royal Colonial Institute: Joseph G. Boyd (Regina), James S. Brierly (Montreal), David R. Brown (Montreal), George J. Bryan (Calgary), George Darling (Montreal), George A. Henderson (Vernon, B.C.), Robert J. Lecky (Regina), Fred Southam (Montreal), Arthur Murdoch Whiteside (Vancouver), John H. H. Young (Regina).

## HON. J. D. HAZEN GOES WEST.

OTTAWA, July 14.—Hon. J. D. Hazen, minister of marine, left this afternoon for Vancouver to represent the government at the welcome to the battleship New Zealand. He will subsequently visit the Queen Charlotte Islands on coast fishery problems, and will go to Prince Rupert and possibly to Dawson City. He is accompanied by Mrs. Hazen.

**Don't forget the annual Herb Lennox Picnic, which will be held at Jackson's Point, Lake Simcoe, on Wednesday of this week. Special train leaves the Union Depot, Toronto, at 9.10 a.m.**

# PART C. P. R. PLAYS TO PREVENT WASTE

## George Bury, Vice-President of Railway, Details Extensive Work Being Done.

## FORESTRY CONVENTION

### Carelessness of Individuals One of Big Things That Must Be Contended With.

To the Canadian Forestry Convention now being held in Winnipeg, the attention of the public has been directed anew, and with it is anticipated beneficial results as to the necessity for increased and continuous care in the matter of the conservation of our country's natural resources.

In a short but succinct address, Mr. George Bury, vice-president of the Canadian Pacific Railway, pointed out what has been done and what remains to be done by associations, individuals and governments in the work of preserving the timber areas of Canada, and it was further demonstrated that if governments could be induced to take the same interest in the care of these important assets of our country, as do many individuals merely from a patriotic motive, the face of the land would soon materially change for the better.

While it is admitted that Canada does more than any other country on the continent for the conservation of trees and general natural resources, it is nevertheless obvious to any who study the subject, that our timber resources are gradually dwindling, owing to careless methods, resulting very frequently in the destructive fires, which in the majority of instances, owe their origin to carelessness and lack of preventive precaution.

The claim is made that outside of Germany, the Canadian Pacific Railway more than any other force, is spending itself in guarding the tracts it owns by the most elaborate patrol system and other methods conceivable. In the carrying out of this work, the right of way has been cleared as closely as possible and all debris obliterated. The most modern and approved spark arresters have been adopted for use on locomotives; waste water of the engine is run thru the ash pan to obviate any danger from live coal, and more than all, oil as fuel has been adopted in the heavily timbered mountain regions.

**Government Careless**

In contrast to this a trip over roads built by provincial governments in recent years has shown that no precautions are taken to dispose of slashings left by road builders or settlers. Fires are left unquenched and inducements innumerable are offered to destructive running fires.

Suggestions to both provincial and federal governments are that the open burner of the saw mill be abolished. Those who leave unquenched fires should be followed and punished, better patrol should be employed on the timber limits and mill districts. Logging railways must also also be brought under closer supervision.

As the preservation of the timber limits means a large increase in assets to a railway, it is apparent that they will naturally employ all possible resources for this end, but in doing this they have to contend with the carelessness of trappers, prospectors, surveyors, settlers—everyone engaged upon personal interests and free for the most part from the restraint of organized authority. The old idea that nature would do the work of rebuilding is now exploded. Man must assist nature and this by a system of preservation.

A concrete instance of what may be done is furnished by the work of the C. P. R. in British Columbia. In the Cranbrook district the company owns 543,486 acres in twelve tie reserves. Here mounted patrols are established, trails are being cut for case of access, and on four of the reserves telephone communication is established.

**Forestry Taxation.**

In this connection the relationship between the question of forest protection and an equitable system of forest taxation, is worthy of thought. Investigation that would give a proper classification of agricultural and timber lands and the adoption of a fair rate of taxation on the latter, would encourage corporations and individuals in the investment of lands unfit for agriculture, for the purpose of subjecting them to the most approved methods of forest management. Without the encouragement of this equitable forest tax there is little hope of undertakings of any magnitude along the lines mentioned.

## ENTRIES AT BISLEY SHOW AN INCREASE

LONDON, July 14.—(C. A. P.)—The National Rifle Association meeting opened today at Bisley. Gratifying increases in the entries are recorded in the major competitions compared with the corresponding date last year.

This year's entry of 1038 for the King's prize shows a drop of five, but nine days remain to account for 65 entries yet needed to bring the total to the equal final entry of last year.

For the St. George's Challenge Vase 1014 entries compare with 961; for Prince of Wales series, 307 competitors are entered against 275 last year, and for the Alexandra series, 881 against 734.

The Canadians are all in fine form, altho somewhat chagrined at their illluck to the Empire trophy match fired last week.

## SERVICE ON STEAMER FOR PLAGUE VICTIMS

QUEBEC, July 14.—(Can. Press.)—The Ancient Order of Hibernians, held their annual pilgrimage to the graves of the Irish immigrants who were buried on Grosse Isle, during the ship fever of 1847. Some 200 people attended. As there is contagious disease on the Island, the party were not allowed to land. However, service was held on board the steamer, opposite the monument, conducted by Rev. Father Woods, rector of St. Patrick's Church, assisted by Fathers O'Hara and Healey.

An eloquent and most impressive sermon, suitable to the occasion, was preached by Father Healey.

## CELEBRATED BASTILE'S FALL

QUEBEC, July 14.—(Can. Press.)—The semi-military local French Canadian corps with bands, turned out this morning to celebrate the fall of the Bastile. They marched from their respective headquarters to the upper town, where they saluted the monuments of Montcalm, Champlain and Laval. They then returned to the church of Notre Dame du Chemin, where mass was celebrated and a sermon was preached by Father Ruhlman.

**City Handbook Ready**

Toronto's handbook for 1913 is in circulation. City Clerk Littlejohn compiled this book with great care and it is generally conceded an authority upon a large variety of matters pertaining to the municipality.

The Hop Growers

of old Bohemia know that Anheuser-Busch are by far the world's largest buyers of Saazer Hops. It's the exclusive Hop flavor which makes

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# HARD KNOCKS FOR BUILDING BYLAW

## Ald. Burgess Calls It a Joke—Better Fire Protection at Island.

"The building bylaw is a joke," Ald. Burgess remarked in the meeting of the property committee yesterday, when a citizen asked permission to build a private garage on his property and was held up by the bylaw.

"The building bylaw is bad," said Ald. Meredith.

Commissioner Chisholm is to report upon the matter to the board of control. If there is no opposition to the garage by the neighbors, the permit will be recommended.

Four additional telephone trunk lines for the city hall were recommended, there now being 93 calls per line per day.

"The annex can be spared from the city cattle market," said Controller O'Neill. "We have plenty of space without the annex, for we will have double-deck concrete pens for the stock." This was his opinion upon transferring the annex to the street cleaning department, as a site for a garbage reduction and incinerator plant.

Ald. Wanless challenged the right to use the annex for any other purpose than a cattle market.

"The annex would have to be purchased by the street cleaning department," said Commissioner Chisholm, "and there is no appropriation for it. The annex is now worth about $250,000."

The matter was referred to Commissioner Chisholm to report.

Ald. Risk urged the immediate purchase of a 100-acre farm for an industrial farm for women, and his motion to that effect was carried.

Ald. Burgess put thru a motion for betterment of fire protection at the island and in the harbor.

## FOUR RESCUED FROM WATERS OF ST. CLAIR

### Big Sailing Yacht Capsized in Lake and Drifted Down River.

SARNIA, July 14. — (Special.)—Drifting down the river St. Clair, past Point Edward, late last evening, four young men, James Johnson, Arthur Goodwin, Wm. Wilson and Charles Dupee, were removed from their perilous position on the bottom of a big sailing yacht, which had been capasized out in Lake Huron. The boys had been enjoying the good wind and waves when a heavy gust turned the boat over, throwing them all into the water.

They succeeded in getting hold of the life lines and getting on to the boat, where they were noticed by Capt. Egbert of the Point Edward ferry.

## FIRST OF COTTON CROP SOLD

NEW YORK, July 14.—(Can. Press.)—The first bale of cotton of the 1913 crop was sold at auction on the New York Cotton Exchange today for 20 cents a pound. The money goes to charity. The bale, weighing 505 lbs., was raised at Lyford, Cameron County, Texas, and was shipped thru W. D. Cleveland and Co., of Houston.

## THE ANNUAL FARCE

Seven Richelieu and Ontario Navigation Company's wine clerks were each fined $200 and costs or three months in jail in the police court yesterday. They were charged with selling liquor on passenger ships calling at Toronto without a license. All pleaded guilty, and all paid.

# AGENT SWINDLES NEW ARRIVALS

## Sudbury Man Overcharged Foreign Immigrants and Pays a Fine.

SUDBURY, July 14.—(Can. Press.)—Because he charged an immigrant more than the actual cost of transportation, contrary to the immigration Act, information was laid against Wm. Saposnikoff, of the National Employment Agency here by Immigration Inspector Reynolds, of Ottawa, before Police Magistrate Brodie on Saturday. Saposnikoff pleaded guilty and was fined the maximum penalty, $100 and costs or three months' in jail. He paid the fine.

Late in June, Foley Brothers and the Northern Construction Co., gave Saposnikoff a written order for 195 men to be employed on construction work at Hobon, Ont., and other centres. Armed with the orders, Saposnikoff proceeded to Montreal, and was successful, with the assistance of three employment agents in that city, in securing the help required. Having to purchase them one hundred tickets, Saposnikoff was given a reduced rate of one and one half cents per mile by the C.P.R., instead of the usual charge of three cents.

**Complaints Exposed Swindle.**

Under agreement with the employment agents, the cost of transportation is advanced by the firm, the amount being deducted from the wages of the immigrant. When Saposnikoff rendered the account to Foley Bros., it was discovered he had charged each immigrant the full amount of three cents per mile. Two of the foreigners overcharged then laid complaints to the immigration authorities at Ottawa, who investigated and the conviction followed.

This is the sixth prosecution and conviction here since the operation of employment agencies was placed under the control of the immigration department.

**Don't miss the Grocers' Excursion to the Falls tomorrow.**

## THE CHURCH IN WESTERN CANADA.

LONDON, July 14.—(C.A.P.)—After carefully considering the request of the archbishop of Rupertsland and Bishop Stringer of Yukon, and carrying on negotiations extending over several months, the council of the British Columbia Church Aid Society, have decided that it is their duty to add the Diocese of Yukon to the sphere of their work, and to do all they can to help Bishop Stringer and his staff. For the future, therefore, the society will be known as the British Columbia and Yukon Church Aid Society, and will include within its sphere of action the five dioceses of Columbia, Caledonia, New Westminster, Kootenay and Yukon, all of which lie beyond the Rocky Mountains.


**Ex-Guelphites—Attention!**

If you ever lived in Guelph, send postcard with your name and address to John P. Martin, 74 Seaton street, Toronto, for full information of the Old Home Week Celebration, beginning July 28 next. 12

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# NO OPPOSITION TO ROUMANIANS

## "Welcome to Our City" is Sofia's Attitude—Gruesome Relics in Pockets.

Special Cable to The World. Copyrighted by The Toronto World and N. Y. World.

LONDON, July 14.—(The Times Salonike correspondent wires: "In the pockets of some of the 1400 Bulgarian prisoners, who arrived yesterday, were found female ears with earrings still hanging to them and human fingers still adorned with rings."

The Times Sofia correspondent wires: "No attempt of any kind will be made to oppose the triumphant progress of the Roumanian troops. Local authorities have been instructed to maintain a passive attitude and the few troops who may be found in invaded districts will be ordered to withdraw. The population consisting mainly of women, children and old men, have been advised to receive intruders as guests and public buildings will be placed at their disposal. So far as any opposition is concerned, the Roumanian warriors may leave their martial panoply at home and make arrangements for an agreeable picnic at harvest time."

## NEW LIBERAL PAPER MAKES GOOD START

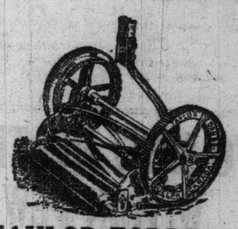
MONTREAL, July 14.—(Can. Press)—The Daily Telegraph and Daily Witness, the new Liberal paper here, the first issue of which appeared on Saturday, is receiving telegrams of congratulation from prominent Liberals and contemporaries all over the Dominion. It appears to have made an excellent beginning and unable to supply the demand for its first issue, and in face of the steady inrush of subscriptions, the publishers have ordered new machinery, and until it arrives will get some of the work on the paper done in the offices of other local papers.

## AD CLUBS' PRESIDENT HERE.

President William Woodhead of of San Francisco arrived in Toronto yesterday morning and was entertained by members of the executive committee of the Toronto Ad Club.

At 12.30 he addressed a large and enthusiastic meeting of the club and offered many valuable suggestions for the entertainment of next year's convention.

Among those present at the meeting were: W. G. Hook, the newly-elected president of the local club, who presided for the first time, also Senator Jaffray and Mayor Hocken.

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There are other lawn mowers sold in Canada, but none with the same success as that enjoyed by the Taylor-Forbes, the most widely-used lawn mower in Canada, and the most extensively exported made-in-Canada lawn mower.

Amusements

LENNOX PICNIC —AT— JACKSON'S POINT Tomorrow

On account of the record crowd promised for the "greatest annual picnic in the world," the committee in charge have arranged for a third special train, which will run from Scarboro Junction to Jackson's Point on Wednesday morning, as follows:

| Stations. | Time. | Return Fare. |
|---|---|---|
| Scarboro Jct. ..... | 7.30 a.m. | $1.05 |
| Agincourt ..... | 7.40 " | 1.05 |
| Milliken ..... | 7.47 " | 1.00 |
| Unionville ..... | 7.55 " | .85 |
| Markham ..... | 8.00 " | .85 |
| Jackson's Point .... | 9.30 " | .... |

Returning, this train will leave Jackson's Point at 6.15 p.m.

A special train will leave the Union Depot, Toronto, at 9.10 a.m., and another will leave Beaverton at 7.00 a.m., as per the schedule already published.

EVERYBODY WELCOME.

THE BIG 4 TOMORROW CHAMPIONSHIP LACROSSE IRISH CANADIANS VS. TECUMSEHS HANLAN'S 3.30 RAIN OR SHINE CHILDREN UNDER 16 10c GEN. ADM. Seats Bell's, 146 Yonge St.

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