

SCIENTIST READY TO TALK TO MARS

Simple Radio "Hookup" Is Made To Carry Out Experiment.

MUSIC OF SPHERES

Mars Needs Beam of Searchlights To Start Talking to Earth.

By L. F. PARTON.
Special to The Advertiser.
Auburn, N. Y., June 17.—Theodore W. Case, scientist of this city, was two years ahead of European physicists in listening to the stars. While the cables have just brought the news of the success of General Gustave Ferrie of France, in making audible the "singing of the stars," Case was the first earth-dweller to be admitted to the stellar concert. If Mars, when she swings closer to the earth this summer than she has been for a hundred years, has anything to say to the earth, Case has an apparatus which will receive her message.

By placing a photo-electric cell at the focus of a paraboloid mirror, and connecting it with a radio "hook-up," Case gets from Mars a high-pitched musical note, broken by a steady flow of "signals" almost like a dot-and-dash code.

Hears Stars Twinkle.
Being a careful and conservative scientist, Case does not interpret the signals as Martian Morse. His theory is that the broken sounds are due to the refraction of the light through atmospheric layers of varying density—in other words he simply hears the stars twinkle. But at that, Case has "plugged in," in the event that Mars, or any other planetary neighbor, wishes to say hello to us. He is one of the foremost scientists of the world in the exploration of problems involving light reactive phenomena, and has a complete, completely equipped laboratory for research in this field. It was after years of patient experimentation that Case heard the first faint impulses—the first ever returned to the earth—traversing the stellar deeps.

What Mars Needs.
Basing his assertion on an authoritative study by P. R. Basset, Case estimates that if Mars wishes to reach us by light signals this summer, he will require a bank of two-hundred sixty-inch searchlights. If Mars is ready with a beam of this magnitude, the earth can receive her signals. However, it will be necessary to await the message on a high mountain top, where the air will be thin enough to assure freedom from interference by the twinkling of the planet.

But how could we possibly communicate with Mars, having no basis of language or experience? The astronomers believe this would be easily solved. We would have in common the solar and stellar universe, common opposition, affection and perihelion of planets, which it is believed would quickly result in evolving a new inter-planetary cosmic language which would gradually include more and more the concepts of time, and spatial relationships, heat and cold, distances, light and dark and other fundamental concepts of the universe which might be shared by sentient beings.

May Avert War.
If the folks on Mars get to talking to Case they will like him. Some astronomers are now saying that the Earth stole the moon from Mars. If the Martians are angry about it, and want their moon back, Case will tell them a funny story and put them in good humor. And, unlike many scientists, he seems able to speak almost anybody's language.

"Of course I don't know whether there are living beings on Mars or not," he said. "Nobody knows. Furthermore, nobody knows whether if there is life on the planet, it has evolved to a point at which communication would be possible. But it doesn't seem reasonable to believe that the infinitesimal earth should be the only house of life in the infinite universe. It is our job, as scientists, to reach any possible mechanical means of communication—and this has been accomplished. If there are beings on Mars as intelligent and competent as those on the earth, we can strike up a conversation."

Case described his apparatus—simple indeed, it seemed, in view of its momentous use. With a "Thalid" cell, which Case has perfected, and a specially prepared audio bulb, any radio amateur can reach out into space and hear the light years and brag to the boys at light years about how he "got Arcturus last night."

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An Awful Attack of Pimples All Over His Face

Pimples breaking out on the face and other parts of the body is a sure sign that the blood is not in proper shape.

While the skin is the object of the attack the real seat of the disease is in the blood on account of the entire circulation being poisoned.

Burdock Blood Bitters quickly and effectually banishes pimples and all other skin diseases, as it goes right to the root of the trouble by cleansing and enriching the blood.

10,000 ROTARIANS BESIEGE TORONTO

Delegates From Many Countries Gather As World Convention Opens.

CELEBRATE PEACE

Canadian Press Despatch.
Toronto, June 16.—To promote understanding, good will and international peace through a world fellowship of business and professional men, 10,000 Rotarians are gathered here from all sections of the civilized world for the fifteenth annual convention of Rotary International, to be called to order at Exposition Park tomorrow morning.

The convention will continue in session four days, and will end with the election of officers on Friday. Former Governor Frank O. Lowden of Illinois will be one of the chief speakers. Reports will be made on the progress of the work of developing codes of ethical practices in business and professions, and the influence of Rotarian members of national, international, state and provincial trade and professional associations, and the work of the Rotarian Club administration will be discussed.

Seek President.
A president and eight directors will be elected, a new administration coming into Rotary every year. The leading candidates for president are Everett W. Hill of Oklahoma City, at present first vice-president; Harry Bert Cradick of Minneapolis, and Frank H. Lamb of Hingham, Washington.

Chicago, Cleveland and Rio de Janeiro, Brazil, are the leading cities bidding for the next convention. With a fleet of strange but much belated ships in Toronto harbor, and the arrival of a score or so of special trains, bearing delegates from all parts of the continent, the greater international Rotary convention made its impression on the permanent and "floating" population of this city today. The ships were steamers of various capacities, and the delegates, mostly from the United States, Canada, the Great Lakes and the Atlantic coast. They brought in contingents from New York, Massachusetts, Ohio, Michigan, and other states, with a good sprinkling of Rotarians from several provinces of Canada. Most of the delegates were well leavened with detachment and fair weather.

Thousands Have Arrived.
Entertainment features for the big gathering began tonight with a huge pageant in front of the grandstand. It was an historical pageant, staged by the Rotary, and commemorated the memory of more than a century of peace between Canada and the United States, and calling attention to the tribute to the spirit of friendship and hospitality shown to the visitors by Toronto. He added:

"Rotary is deeply indebted to Canada for their great contributions toward Rotary progress," he declared. "In acknowledging your kind words of welcome I wish also to express public appreciation for the services of your fellow-countrymen in our world-wide movement."

"It is with great pleasure that I learn of the purposes to which your Rotary club has devoted itself during your administration. I understand that many gatherings have been held here to bring about a better understanding and closer friendship between the peoples of this city, the province of Ontario and the Dominion of Canada. It is therefore fitting that Rotary, which seeks a world fellowship of business and professional men, should have its initial welcome in a building which has been devoted to such splendid uses."

About 1,000 motor cars will be put at the disposal tomorrow of the women here for the Rotary delegates from all over the city. Many receptions and parties have been arranged for their entertainment.

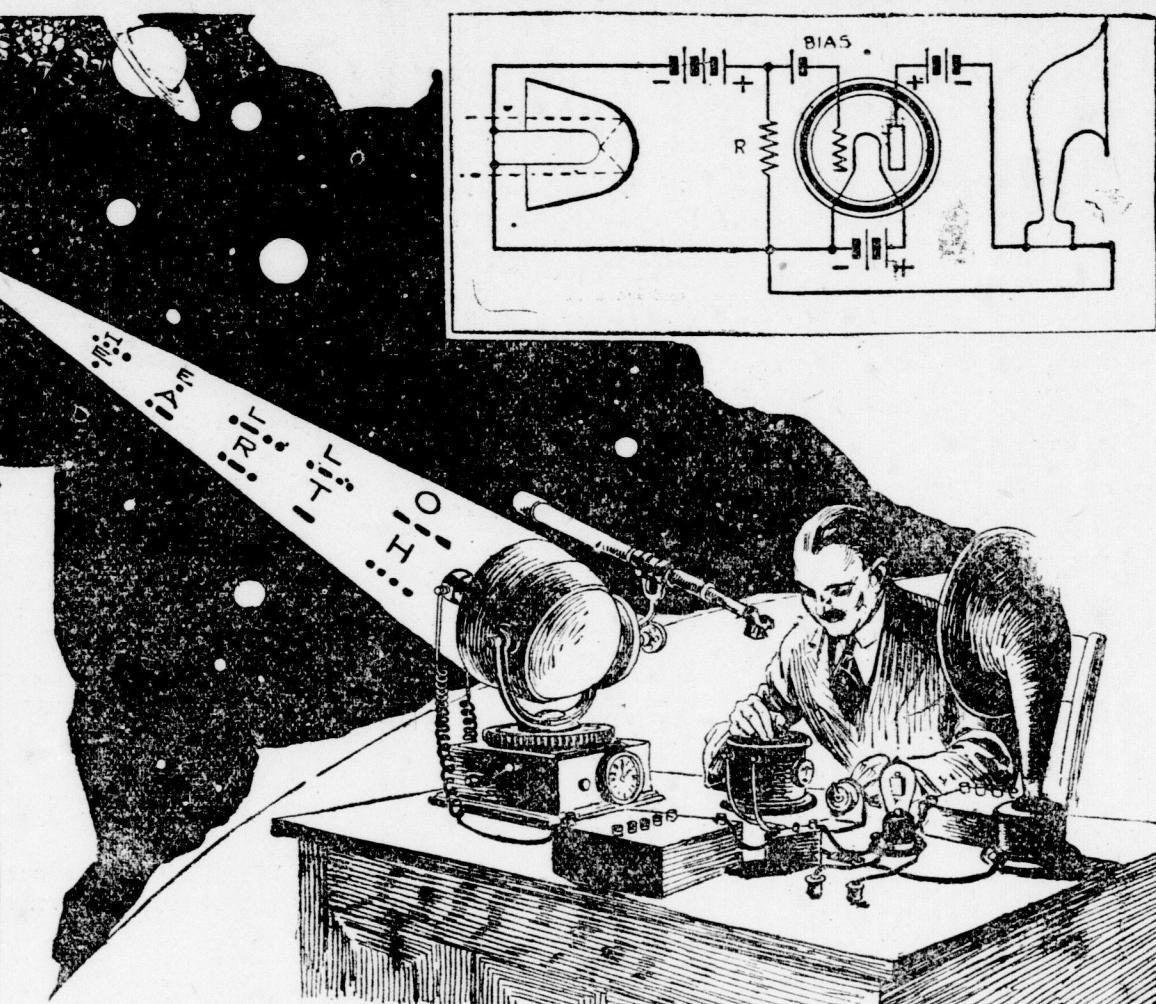
More than one hundred delegates represent the 150 Rotary clubs in the British Empire. There are three delegates from Sydney, Australia; the Johannesburg, South Africa, delegate, F. J. Stephenson, represents the Rotary club from the Union of New Zealand has sent six delegates, while every Rotary club in the United States and Canada is expected to have at least one representative.

France, Uruguay, Brazil, Peru, Argentina, Chile, Cuba, Mexico, Panama, Japan and China have all sent delegates.

MOTHER WOUNDED BY SHOT AT SON'S TARGET PRACTICE

Canadian Press Despatch.
Drumheller, Alta., June 16.—Mrs. R. S. Patterson, was accidentally shot by her 11-year-old son at their farm, 14 miles south of Wayne, on Saturday afternoon.

The mother was in an outbuilding and the boy, not knowing she was there, used it for a target with his twenty-two.



Here is the apparatus by which Theodore W. Case, Auburn scientist, is "listening to the stars." At the upper right is a diagram of the "hook-up," which receives the star light, through the paraboloid mirror, and translates it into faint electric impulses, amplifies it in the audio bulb at the center and gives it out, in a high musical note, broken by a dot-and-dash code, through the loud speaker at the right. The diagram, which is for the reception of sub-audible light signals, provides for straight amplification. The light cell is brought right on to the filament grid of the audio bulb, with an appropriate resistance hook-up, with a high vacuum in the bulb. A disruptive discharge takes place between the filament and the plate, causing the continuous musical note in the horn. The signals come in as a change of pitch of the continuous note, due to change of resistance of the photo-electric cell. The effect is amplified by keeping the plate filament on to the grid. This is the apparatus which was first used two years ago in listening to the stars and planets twinkle.

CITY HOLIDAY BYLAW SUSTAINED IN COUNCIL

Big Majority Vote Against Board of Works' Recommendation For Repeal.

SOME COMPLAINTS

Thomas Adams Will Be Asked To Complete City Plans.

By a vote of ten to two the city council decided last night that the bylaw giving all city hall employees, who have been one year in the service of the city, two weeks' holidays with pay should be sustained against the recommendation of the board of works, which asked for its repeal. The two members voting in favor of repealing the bylaw were Aldermen Greer and Towse.

It was also unanimously agreed, on the motion of Alderman Douglass, that a request be made by the council to the federal government in view of the recent redistribution of political representation that the city be given less representation rather than more, as was the essential need of the Dominion at the present time. He, however, agreed to the motion.

Street Cars Noisy.
Alderman Douglass told the council that he received several complaints from people living on the Wharfside road north, and on Adelaide street between Oxford and Pall Mall, that the noise of the street cars on the tracks was keeping them from sleeping, and the city engineer was instructed to see what might be done to lessen this annoyance.

The city engineer, who also asked that the engineer should meet the London Street Railway heads to see why the paving of the intersection of Richmond and central avenue could not be finished at once, as it was part of the work included in the 1923 program for Richmond street. Thomas Adams, the author of the town-planning plan of the city, will be asked to complete his original contract with the city, making such arrangements for the completion of the plan through Mr. Seymour and an appointee of the city engineer for the sum of \$1,300, as agreed on by Mr. Adams last year.

Further Absence Granted.
In the recommendation to give Referee Inspector McCallum a further two-months' leave of absence with pay, the mayor was the only dissenting voice in the council. He thought that to carry out this proposal of the finance committee would be a precedent which would have to be followed in future cases, and might involve the council in a difficult position, as every employee of the city would be entitled to the same treatment.

A labor delegation that included John Colbert, Arthur Mould, Rud. Hessel, Gordon Wright and William T. sat through a prolonged council meeting until 10 o'clock, when the holiday bylaw came up for discussion, and as the bylaw was upheld they merely sat and looked on without saying anything.

"Why should there be any amendment to a bylaw that has already received the sanction of the council?" asked Alderman Douglass.

Greer Can Tell.
"Alderman Greer can tell you," suggested the mayor.

"The question came up at the meeting of the board of works, arising out of a letter of the engineer," answered the chairman of the board, "and it is simply a recommendation to the council."

In a search for the responsibility of bringing up the question, Ald. Towse saved the council some time by stating that he accepted full responsibility for the bylaw, and personally not in favor of the two-weeks' holiday.

"I can't understand why the bylaw has been questioned," said Ald. Kay. "I don't see why such a letter should come to the board of works from the city engineer at all. Other

dot-and-dash sounds, through the loud speaker at the right. The diagram, which is for the reception of sub-audible light signals, provides for straight amplification. The light cell is brought right on to the filament grid of the audio bulb, with an appropriate resistance hook-up, with a high vacuum in the bulb. A disruptive discharge takes place between the filament and the plate, causing the continuous musical note in the horn. The signals come in as a change of pitch of the continuous note, due to change of resistance of the photo-electric cell. The effect is amplified by keeping the plate filament on to the grid. This is the apparatus which was first used two years ago in listening to the stars and planets twinkle.

CHURCH UNION BILL COMES UP TONIGHT

Progressive Leader Moves Early Hearing and Disposal of Measure.

GETS PRECEDENCE

Canadian Press Despatch.
Ottawa, June 16.—Robert Forke, Progressive leader, moved in the House of Commons just before adjournment this evening that the church union bill, which stands in his name, be the first order of business for Wednesday next, and be given precedence over all other business of the House until disposed of, unless disposed of tomorrow evening.

The motion was seconded by H. Putnam, (Liberal, Colchester). Mr. Forke said that he hoped that the bill would be reached tomorrow evening when the private bills were taken up at 8 o'clock. Therefore he was going to ask if the prime minister, with the consent of the House, would set apart Wednesday for consideration of the bill, if it was not disposed of on Tuesday, in order to expedite its disposal. The importance of the bill placed it in the same position as a public bill, he said.

William Duff, Liberal member for Lunenburg, objected to the motion as unusual. Interested members should have been consulted, he objected. He had made an important engagement in Montreal for Wednesday. As this motion required unanimous consent, it must stand over until Wednesday when the order is called and consent may be given. The delay speaker said.

Premier Mackenzie King told Mr. Forke that the government had rather hoped that it might be possible to dispose of the bill in the regular order tomorrow. It was certainly the wish of the government to expedite its passage, and he would be ready to acquiesce in the wish of Mr. Forke, with that end in view. It was open, however, for any member to object, and the motion required unanimous consent.

The bill will, it is understood, be taken up tomorrow evening.

PREPARE FOR UNION.
Canadian Press Despatch.
Toronto, June 16.—Presbyterian and Methodist conferences are to go on with their work in preparation for the first meeting of the general council of the United Church of Canada.

This was the advice given to Toronto Methodist Conference today from the law and legislation committee of the uniting churches through Rev. Dr. W. R. Young of Toronto, who has been acting as Methodist representative at Ottawa.

"June 16, 1925, is the new date set for the union bill to take effect," said Young, "so far as we can see it is now. A large number of communications are being received by the Cabinet. These are being referred to reason why the paving of the intersection of Richmond and Central avenue was not being done, and added that nothing was done for June 9, the same reason that no paving could be done this year on any city street where the company had tracks under the terms of the franchise."

Alderman Towse asked for the support of the council to do away with the left and right hand turns at the corner of Richmond and Dundas street on Saturdays, declaring that the traffic problem at this corner was a serious one for the city to consider. He was not able to get a second, however, and the motion was withdrawn.

Usual Immediacy.
The city engineer told Alderman Douglass that "the usual thing" was the London Street Railway, was the

POSTMEN DEMAND LAW TO ALLOW GOVT. ACTION

Ultimatum Is Sent To Parliament by Executive of Federation Calling For Change in Law Giving Power To Government To Deal With Critical Situation.

FIX TIME LIMIT OF TWENTY-FOUR HOURS

Canadian Press Despatch.
Toronto, June 16.—The Dominion executive of the Canadian Federation of Postal Employees passed a resolution this afternoon, which was forwarded to Ottawa tonight, calling on parliament to amend the federal act so that the government would have power to deal with the situation caused by the postal employees' refusal to accept the salary schedule recommended by the civil service commission.

This action by the executive of the federation was taken in view of the statement by Premier King that final power in regard to the salaries of the civil servants rests with the civil service commission, and the government is powerless to interfere unless the act is amended.

The government and parliament, federation officials said, have been given 24 hours in which to make a satisfactory reply, and if it is not forthcoming by tomorrow night they expected a strike call will be issued at once. It was explained that a strike could not be called until all the returns from the voting had been received, which will be tomorrow night at 6 o'clock.

Strike Favored.
Officials intimated tonight that every return from the men received so far, and which includes a large portion of the Dominion, has shown a majority in favor of a walkout if the schedule recommended by the civil service commission is insisted upon.

The Dominion executive's resolution censured the present members of the civil service commission of Canada for the manner in which they had handled the postal situation. It was held that while all right in theory the commission had not functioned according to the act. Not only had it disregarded the claims of the men, but it had rejected the proposals of the Canada postoffice department itself. Proposals of wage schedule put forward by departmental heads of postal employees in the postal work were rejected as valueless by members of a commission that knew "little or nothing of the actual situation." On the other hand it had absolutely declined to consult with the representatives of the men, beyond allowing them to present certain statements which were not discussed in their presence.

Well Prepared.
It was reported today that well over 90 per cent of the postal workers are in favor of an immediate strike call.

It was stated that the employees were well prepared to finance a strike, a per capita tax having been collected from the members for some years past. The men would have no reason to capitulate for lack of strike funds. They are counting on the fullest co-operation from organized labor.

Dominion officers left by train for Hamilton to perfect plans that city for the holding of a strike.

WOULD AVERT STRIKE.
Canadian Press Despatch.
Toronto, June 16.—Today brought action by the business interests of Toronto to avert a strike. At the rooms of the board of trade there was a meeting composed of bankers, manufacturers, wholesale men, bankers, and members of the Rotary Club.

R. A. Stapells, president of the board of trade, who called the meeting, said he believed the thought of a general postal strike in Canada, within a few days or hours was a matter of first importance.

He told of a conference he had with representatives of the postal workers, when he learned the true causes of the dispute between the government and the workers. As a member of the minimum wage board, he knew something of what wages should be paid to postal men and he said he had no hesitation in making the statement that the award of the civil service commission is not adequate to the needs of the men.

Mr. Stapells said that the declaration of Premier Mackenzie King that the government is powerless to alter the award of the commission in the event of a postal strike, was a declaration of the government's inability to do so in this country when the civil service commission is in a position where it is master of the administration of the postal service.

Col. A. E. Kirkpatrick had also, according to Mr. Stapells, made representations to Premier King urging action to avert a strike. The board of trade delegation was authorized to select a committee to deal with the situation and take any necessary action.

Special to The Advertiser By a Staff Reporter.
Ottawa, June 16.—Hon. Charles Murphy, postmaster-general, who has been absent from the capital for several weeks by reason of illness, returned to Ottawa this morning, considerably improved, and prepared to resume the duties of his department. The first work of the minister will be to review the situation with respect to the threatened strike of the postal workers, supervision of which, during his absence, has been in the hands of Hon. Charles Stewart, minister of interior.

While fully realizing the seriousness of a strike to the business of the country, and to the public of Canada generally, the government, this morning maintains the same attitude as was expressed by Premier King in the House on Friday last, and there are no indications that the civil service commission intends to change its mind. A large number of communications are being received by the Cabinet. These are being referred to

with the automobile, the skill of the bagpipers and the rumble of field guns as the 34th Battery, with restive horses, drew the guns to the fair grounds to take part in the big military celebration, which was the big attraction of the United Empire celebration this afternoon.

The oxen and the creaky cart are to take a leading part in the big military celebration, which was the big attraction of the United Empire celebration this afternoon.

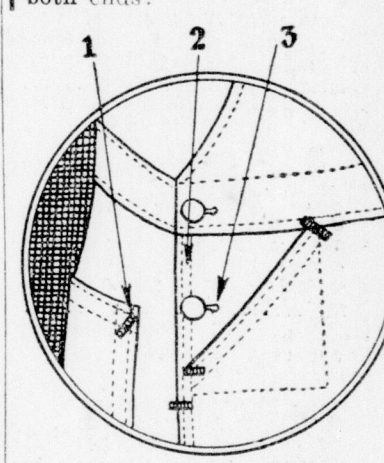
The oxen and the creaky cart are to take a leading part in the big military celebration, which was the big attraction of the United Empire celebration this afternoon.

up 10 years ago, until its present era.

BULL DOG OVERALLS

Examine the careful stitching of Bull Dog Overalls and see for yourself why THEY WON'T RIP!

- (1) They're held together for life at every possible point of strain by the BULL DOG CAN'T-RIP 200-stitch bar tacking!
- (2) See the four-ply double lock-stitched seams! Double-stitched throughout, with special weatherproof thread—ten stitches to the inch!
- (3) CAN'T-FRAY button-holes, reinforced at both ends!



Ask for Bull Dogs by name. Guaranteed to please, or the store you deal with and the makers.

CANADA OVERALL CO., LONDON—ONTARIO

Falls 7 Stories To Instant Death

Two Children Also Die in Same Manner.

Canadian Press Despatch.
Montreal, June 16.—Thought to have tripped as he approached the window, Douglas Rough, 18, salesman, crashed through the glass and fell to the street from the seventh story of a building on Alexander street this morning and was instantly killed.

Rita Morin, aged 3, and Alfred Wernes, aged 2, both of this city, died within a few hours of one another, in the same manner last evening.

The Morin child fell from a third story window of her home. The Wernes boy fell from the second floor.

INDUSTRIAL BYLAW FAVORED STRATFORD C. OF C. FORUM

Special to The Advertiser.
Stratford, June 16.—A resolution, approving a bylaw guaranteeing bonds of J. R. McDonald to the extent of \$15,000, was passed by a forum meeting of the chamber of commerce tonight. The meeting also requested directors of the chamber to appoint a committee to act with Mr. McDonald in connection with the bylaw vote to be taken next Monday.

The proposition is that Mr. McDonald is to build a factory and plant to the value of \$25,000 on a piece of land, two acres in extent, on Erie street. In this plant he is to manufacture threshing engines and threshing machinery, and similar lines.

METHODIST PASTOR WILL ADDRESS KU KLUX KLAN

Canadian Press Despatch.
Hamilton, June 16.—Rev. Dr. Speer, Dundas, former pastor of the West-Island Street Methodist Church, Toronto, has accepted an invitation to address the Ku Klux Klan of Pennsylvania.

TORIES ENTER FIGHT

Canadian Press Despatch.
Montreal, June 16.—Leslie C. Bell, barrister, was selected as Conservative candidate to contest St. Antoine division in the forthcoming election, made necessary by the recent resignation of Hon. Walter Mitchell, at a convention held in the division tonight.



Corns

Don't Pare Them!

Cutting a corn is always dangerous. Blue-jay ends corns. Kills the pain instantly, then the corn loosens and comes out. No risk, no constant trouble. Get Blue-jay at your druggist.

Blue-jay

ROBERT'S SYRUP

OF THE EXTRACT OF COD LIVER OIL

GET RID OF THAT COLD BEFORE IT BECOMES SOMETHING WORSE. A SYRUP THAT HAS GAINED AN ENVIABLE REPUTATION THROUGH ITS SUCCESS IN TREATING COUGHS, COLDS, OR BRONCHITIS.

BREAKS UP COUGHS

Yoke of Oxen Adds Charm To Loyalist Celebration

Special to The Advertiser.

Belleville, June 16.—A touch of the year 1784, when the first United Empire Loyalist settlers came to the wilderness of Quinte, was to be seen in a new country, which was the big attraction of the United Empire celebration this afternoon.

The oxen and the creaky cart are to take a leading part in the big military celebration, which was the big attraction of the United Empire celebration this afternoon.