THE ATLMER EXPRESS, THURSDAY, MARCH 19, 1914

How Some Farmers are Making a Success of the reaches these respective figures on Maple Industry

BACK TO THE SUGAR BUSH the soft sugar temperature 236 to 238, and the hard sugar tempera-ture would be 240 to 243 degrees each in a state of boiling. Consethe thermometer it is sufficiently dense to be drawn off for the pur pose desired.

Just now everything points to a revival of the maple syrup industry in Canada, not the haphazard prac-tice of driving a few spiles into the which usually has a regular stove di into a vessel two inches in dia-manle trees in the language or a spile store of the second of the secon tice of driving a few spiles into the maple trees in the lane, or along house except the steamer and the collander to catch the sap, but an extensive, systematic business, with big sugar-bushes and up-to-date cquipment. Trees of other varie-dually being culled from the graves ext, where the average maple grove contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred tapped frees met grave contains from fifty to a hundred trees frees from fifty to a hundred tapped frees met grave contains from fifty to a hundred trees frees from fifty to a hundred tapped frees met grave contains from fifty to a hundred trees frees free

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contains from fifty to a hundred tapped trees per acre, writes Mr. Alex. MacPherson in the Farmer's Magazine. There are few false statements would contain a little over a hun-dred trees per acre, but as the sup devices of statements for the run begins. We use only would contain a little over a hun-dred trees per acre, but as the sup devices of exacting the flow, as making quality of the sap devices of the same trees the trees of the same trees trees of the same trees of the same trees of the same trees of the same trees would contain a little over a hun-dred trees per acre, but as the sun-gar making quality of the sap de-pends on a large leaf area the far-mer will often find it necessary to thin out some of the poorer trees to allow a greater crown develop-ment in the others. For sugar pro-tor turnist, in them. We find it pays to paint the tin pais outside to pre-tor type and the paint the tin pais outside to pre-tor type and the paint the tin pais outside to pre-tor type and the paint the tin pais outside to pre-tor type and the paint the tin pais outside to pre-tor type and the paint the tin pais outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint the tin paint outside to pre-tor type and the paint outside type and the paint outside to pre-tor type and typ ment in the others. For sugar pro-duction a tree should have an ample to paint the tin pails outside to pre-sort system to furnish an abundant supply of crude sap, a broad spreading top with big leaf surface a big long trunk for a storage tank. If the trees are to do their best, then, the soil must be kept cool and up, retaining sap to sour during a nishing desserts, etc. Care must be moist, and farm stock should not be warm spell, or to freeze when the taken not to scorch the sugar while allowed to run in the sugar bush weather is cold. This year we are drying.

year after year, tramping the sur- going to use covered pails almost face roots and browsing the entirely, as we lost so much say branches, although it is generally during the storms last spring. browse the grove about one year in every five or six to keep down the underbrush, which causes so much loss and difficulty in gathering sugar was only eighty pounds inthe sap. If you have an old grove it stead of one hundred and ninety, as is likely to contain a number of it should have been had the rain

over-mature trees that have passed the time of yielding good flows, and unless these are replaced the grove ter it comes from the tree, I fin As sap deteriorates so rapidly after it comes from the tree. I find it is losing ground. About the sim- advisable to commence gathering as plest way to renew an old grove is soon as there is a quart or two in to remove the old timber and ex-clude the farm stock, allowing the toms are most convenient for this, young seedlings to spring up every- and the gathering tank should be where. While these are still young, of heavy tin or galvanized iron, roadways for sap gathering should with an outlet near the bottom be made, and later the best saplings fitted with cotton hose for emptying may be encouraged by lopping the tops off the poorer ones. If cattle in form, as the sap dashing about are let into the grove when the pre-served saplings are about ten feet rough ground, would soon rack a high, the difficulty of getting rid of rectangular tank. The hose can be hooked to the top of the tank while hooked to the top of the tank while How they Did It Fifty Years Ago. Some of us remember, and most cloth and a wire strainer over the

of us are familiar with the story in our old school readers of the way they made maple syrup fifty years ago. A picturesque affair it was with the big iron kettle hung over the open fire and the bot con over

with the big iron kettle hung over the open fire and the hot sap emp-tied from one uncovered vessel to another as it reached a certain stage in the "boiling down" pro-cess. The leaves, sticks and ashes that happened to drop in mean-while, were considered just a natur-while, were considered just a natur-al part of the proceedings, and the tares and wheat were left together until the time of clarifying. Nor was it a matter of any concern that the process was a slow one. Fuel was it a matter of any concern that the process was a slow one. Fuel was cheap and the old-time sugar-maker did not recognize the fact that sap, like milk, is a very perish-able product an excellent so the bottom to a depth of over half an inch above these that sap, like milk, is a very perish-able product, an excellent medium for the development of fermentive organisms, and that not only is cleanliness important, but the more direct and speedy the transforma-tion of the new sap to the finished product, the better. The modern sugar-maker keeps this in view in product, the better. The modern sugar-maker keeps this in view in every detail in equipping his plant. The ideal sugar house has walls every detail in equipping his plant. of house-siding or cement, cement roof and shingled ceiling, with a roof and shingled ceiling, with a lean-to for storing wood. Metal lean-to for storing wood. Metal roofs are often used but are likely to drip while the boiling is going on. If the floor is not wholly of cement, mportant consideration. Perhaps the most delicate point the highest in the world, gather up important consideration. furnace as a protection from fire. ing is to determine just the right The house should be built on slop-ing ground so that the sap can be enced hand may have tests of his The house should be built on slop-ing ground so that the sap can be emptied through a pipe into the storage tank and from this is imposi-ble it will save work to build an elevated bridge just back of the may be hauled and emptied through a pipe from the gathering tank to ble it will save back of the storage tank, where the load of sap-may be hauled and emptied through a pipe from the gathering tank to ble it will save sork to build an elevated bridge just back of the storage tank, where the load of sap-may be hauled and emptied through a pipe from the gathering tank to ble it will save sork to build an elevated bridge just back of the storage tank, where the load of sap-may be hauled and emptied through a pipe from the gathering tank to ble it will save sork to build an elevated bridge just back of the storage tank, where the load of sap-may be hauled and emptied through a pipe from the gathering tank to ble it will save sork to build an storage tank, where the load of sap-may be hauled and emptied through a pipe from the gathering tank to ble it will save sork to build an storage tank, where the load of sap-may be hauled and emptied through a pipe from the gathering tank to ble it will save sork to build an storage tank, where the load of sap-may be hauled and emptied through a pipe from the gathering tank to ble it will save sork to build an storage tank, where the load of sap-may be hauled and emptied through a pipe from the gathering tank to ble it will save back of the a pipe from the gathering tank to ble it will save back of the and may have tests of his, for the and may have tests of his headquarters has storage tank, where the load of sap-many be hauled and emptied through a pipe from the gathering tank to built and the above sea level. a pipe from the gathering tank to built and the store holes at 92, sy-ble it will save and practically no ble it will save and practically no ble it will save and practically no ble it will save and practi At sea level water boils at 212, sy Perhaps the most important piece of equipment in the sugar house is the evaporator. A successful su-gar-maker says: "We used to boil our sap in an iron kettle, used at other times of the remain product and sugar at 242 and 245 deg. Fahr. The boiling point for each of these is lowered one degree for about 550 ft. ascent. Since sugar other times of the year in making groves are usually at some height potash and soft soap. It must have above sea level it is necessary, for been clean, but the syrup was al- accuracy, to test the thermometer ways dark and strong-flavored. in boiling water. At whatever de-Then we got a sheet-iron pan, which gree the water bills there should be was better, although it still re-quired a lot of fuel and didn't turn out anothing like the light bills and gree the water bolls there should be sugar 26 to 28 degrees, and for hard out anything like the light, clean, sugar 30 to 33 degrees. If, there-delicate syrup we have since get- fore, water boils at 210 degrees, the ting an evaporator." These pans syruping temperature would be 217,

The saccharometer or hydrometer

DESERTS FROM GULF STREAM.

Second Gulf Stream in Atmosphere -Chilled Passing Over Sweden.

The Gulf Stream, as every one knows, is a broad river of warm wa-ter which starts in the Gulf of it should have been had the rain water been kept out by covers. British Isles giving them a warm climate and no end of fog and rain. But few people know that in the atmosphere above there is a second Gulf Stream of warm, moist air. This slow, damp breeze strikes the British Isles and does not carrom off like the Gulf Stream, but years. These guarantees, with un-

> the wind and cause it to drop ly referring to the Blue Book as land. These lands are wooded, and as moisture in the form of rain. The against the constructed mileage of subjected to certain restrictions, lakes and rivers of these northern countries are all supplied by the moisture taken up from the Gulf Stream. S rotation of the earth makes

this wind veer gradually to the representations that have taken have been of assistance to the com-

The persistent rumors of what is confidence than finance, were anx-called "another raid on the treas-ious for Western development, and called "another raid on the treas-ious for Western development, and ury" by the Canadian Northern hawked the charters from one end Railway has caused considerable of Canada to the other, seeking, in throughout Canada. vain, support from the financial in-s of this paper may bet- terests. The promoters of the Windiscussion That readers of this paper may better judge for themselves we quote nipeg and Hudson Bay Railway the following from an official state-

figures an exact account of the situ-ation; but, curiously enough, a mo-ment's reflection will show that they may fail to portray correctly the relations between the Canadian Northern, or any other railway, and public assistance. There have been placed on the statute books of Canada millions of dollars of cash Northern Railway plunged into the been placed on the statute books of Canada millions of dollars of cash Northern Railway plunged into the subsidies which have never been earned, many of the subsidized companies having passed out of ex-subsidies which have never been arned, many of the subsidized companies having passed out of ex-ter the transformation of the subsidized succeeded in building up a territory to day being one of the four be istence, and millions of dollars of bond guarantees which have never progressed farther than the original interview of the Bread-basket of the Em-progressed farther than the original authorizing legislation. The Cana-by the Canadian Northern and its industrial agency, for colonization to this general statement. Guaran- work, \$2,910,000, or an equivalent tees have been granted by Provin- of 14 per cent. of the total cash subcial Governments for lines which ventions received by the companies have never been commenced, and under control of Mackenzie, Mann which probably will not be built for & Company.

In assistance of eastern lines, the earned cash subsidies to certain Ontario Government has granted continues over Europe. As it earned cash subsidies to certain Ontario Government has granted passes over Sweden, Finland and branch lines within the system, are 2,000,000 acres of land, and the northern Russia, these cold lands charged up by statisticians, casual- Quebec Government 749,540 acres of So much for the origin of mis- the Ontario nor the Quebec lands

this wind veer gradually to the southward about the time it has given up the last of its moisture and warmth. As a mighty draft of dry, cold air, the Gulf Stream wind moves on across the plains of Rus-sia. As it approaches the Equator the wind warms again but becomes tan, Arabia and Sahara, it evapo-rates like a great sheet of blotting the deserts of Turkestan, Sahara tand Arabia. Fortunately this de-vastating wind now leaves the con-tinent, becomes the trade winds and selected to the same date, there tan. the becomes the trade winds and tand Arabia. Fortunately this de-vastating wind now leaves the con-tinent, becomes the trade winds and

thorough business men; as vice chairman of the Lindsay Industrial Commission he was largely instr

Financing The Canadian Northern Interesting Statement From a High Official of the Company will be a transcontinental rai system creditable to Canada.

JOHN CAREW OF LINDSA

Great Captain of Industry-Many Interests Outside of Fa tories He Controls.

plication to the rudiments of stu-ing the three "R's" Jack alw. appears to get along well, and lays in no uncertain way that studying

oral Hospital he is recognized



Mr. John Carew.

The newly married couple.

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NEWS TOPICS OF

Important Events Which Occurred During theW

In Nova Scotia.

Along the shore of the Bay of Fundy, Nova Scotia, are large lands that have been reclaimed from that syrup may not keep quite as the sea. This land lines the headwell where eggs or milk have been added. However, this is not a very

of this rich sediment along the or a crop of oats, perhaps once in en years, will suffice, after which he land is generally brought at of certain defined lines in Manitoba of certain defined lines in Manitoba once into grass again.

Generous to a Fault.

vastating wind now leaves the con-tinent, becomes the trade winds and returns to its starting point at the Railway System, whilst under the the guarantees have in no sense new industrial concerns for the Gulf of Mexico. Several somewhat visionary 20,992,566, in cash subven- undertaking, and that the company's the building committee of the Boan

schemes have been suggested for al-tions, or about seven per cent. of ies have faithfully discharged all of of Education he has given the town tering the course of the Gulf the total cost of the railway mile-their interest obligations in connec-practical knowledge in the consults of any such changes would be correct. They include all the cash only benefit intended by Parlia- lic schools; as owner of two large sults of any such changes would be the shifting of the present deserts to other parts of the world. Subsidies received from public ment, or received by the companies tow-boats he has been largely in-sources, as uset-off against the from the guarantees, was that of three hundred millions of costs be-enabling the sale of bonds secured end of the Trent Valley Canal profore mentioned. When compared by first mortgages on better terms perly dredged and improved for all with the cash subventions given to than would have been possible manner of navigation; as patron of the Lindsay Curling Club he has

the total cost of the work and the 1913, there also have been expend-name of Lindsay on the top rund and is being accomplished by the companies within the system \$134,- one of the first movers in the bar Canadian Northern Railway Sys- 123,171, raised -absolutely without ing of an up-to-date garage tem, these figures must disabuse the Government assistance. When this Lindsay he has abetted public mind of the idea that the amounts compared with the figures mobile industry in Lindsay Canadian Northern has been oversubsidized, its bonds over-guaran-ventions, moneys raised from land hundred feet of river front there should at least be a pavement of cement or brick in front of the in the whole process of syrup-mak-its bed and shores. The depositing been even an opportunity to re-grant granted securities, it will be Source the best bettered the been even an opportunity to re-invest the subsidies in outside ven-seen how little truth there is in the tions of the yachtsmen, givin

ilizer of any sort and practically no enltivation. An occasional plowing Bay Railway Company, and the elsewhere for their personal advan- Dominion of Canada.-F. W. M., in Toronto Star Weekly.

and the then Northwest Territories. Sir Donald Mann, personally, has The lands at that time had little never had an interest in South value, as by reason of inadequate transportation facilities there was Sir William Mackenzie has invested Murphy-"Did ve hear that poor Tim Casey's dead ?" O'Flaherty-Western Canada, and under the from his personal resources. Nei-

home for the first time, "This is our world, dear," he said softly, "In it we will accomplish Tim Casey's dead ?' O'Flaherty-"Ye' don't say so?' Murphy-"Yes, an' e's left all 'e 'ad to the Derry Poorhouse." O'Flaherty-"Ow much did 'e lave?" Murphy--"A wife an' ten children." Western Canada, and under the homestead regulations the few set. there is the country ob-funds of the companies in the Cana-for the discharge of homestead du-ties. The promoters, who had more great things." His prophecy was correct. Inside of two months they warw fighting for the championship of the

WIDNESDAY.

Awed by the display of ad checked by several charges, the workmen of Re called off their strike. S. S. Deforest sheriff of 1 and one of the best known the Province of New Brunsw Vesterday office the Province of New Bruhs yesterday after a brief illne Ex-Police Chief Carpente monton has been appointed inspector of Dominion PC Western Canade, with head at Banf.

Mary Monkman. an aged

The Tortures of Rheumatism are aggravated during climatic changes because the impure blood is incapable of resistance and ordinary treatment seems useless-butthe fame of Scott's Emulsi for relieving rheumatis based on logical princ and scientific facts. oil-food promptly m active, red, life-susta: blood corpuscles an body-building prope regulate the function expel poisonous acids. Scott's Emulsion, with ca diet for one month, will re the lame muscles and stiff joints and subdue the unb ble sharp pains when remedies fail.

Beware of alcoholic imit and insist on the purity of SCO AT ALL DRUGGISTS