

its dream of a generation Bay railway - a road planned to connect its great western grain fields with salt water at Port Nelson and open a new grain export route to Liverpool? That is a question that is stirring

all Canada, setting the West against the East and provoking all-night debates in parilament.

There is seemingly no doubt at this writing that the road will be completed—in thue. But whether it will be completed as a grain export route of as a colonization and general carrier road is apparently an open ques-

The Hudson Bay rallway starts at The Pas, Manitoba, on the Saskatche wan river, at the end of a branch line of the former Canadian Northern railway, and runs to Hudson bay, northeast, almost as the crow flies, along Nelson river, to Port Nelson, near the mouth of that stream. The length of the line is 425 miles; 325 have been constructed to Kettle Rapids at a cost of \$20,500,000. The estimated cost of the remaining 100 miles is \$5,000,000. Take a look at the map of North

Note that Port Nelson, on the west shore of Hudson bay, is almost due north of Chicago, and that The Pas is almost due north of Omaha. note the distance from The Pas (or Winnipeg) to Montreal, either by or via Lake Superior and 1,150; Saskatoon, 1,175; Prince Albert and Melfort, 1,300. Then figure that Port Nelson and Montreal are practically the same distance by sea from ol-3,000 miles. And finally bear in mind that the Hudson Bay road is a government project. It is a part of the Canadian National ways a system of 22,000 miles which the World war left on the hands of the dian people. It was rushed during the early years of the war, but work was discontinued in 1917. Why, then, should there be any

question about the completion of the new export route project?

That there is a question is shown by two facts: The Engineering Instiof Canada is investigating whether or not the project can be nade worth while as a measure of national economy. Moreover, the house of commons has refused to make ap-

propriation for its completion.

The terminal for transshipment to vessels will have to be built 20 miles up the Nelson river, say the engineers.

shoal water. The most optimistic estimates of terminal costs of construction are: about \$4,500,000 for harbor and channel dredging; nearly \$6,000,000 for storage facilities; about \$7,000,000 for lighthouses and other marine equipment along the channel and in Hudson strait connecting the bay with the ocean; total, including the 100 miles of road, \$22,500,000.

The longest open season that can be expected is fifteen weeks, beginning about the middle of August: in some years it has been no more than ten weeks. This short season, suggest the engineers, will so place limitations on the capacity of the railway that large elevator capacity will have to be provided at the port. They also suggest that it will so affect the availability of tramp vessels that freight

rates must remain largely conjectural. W. Nelson Smith, in a discussion before the Winnipeg branch of the institute, said that a liberal estimate of the grain that would move by this outlet is from 16,000,000 to 24,000,000 bushels. He put the most favorable insurance.

Incidentally, it may be stated that in 1922 Canada's exports of wheat (including flour) were 179,606,000 bushels and the total exports of wheat, oats, barley and rye were 232,808,000

According to the Railway Age, a hitherto unpublished report on the feasibility of completing the Hudson Georgian bay. In round figures the Lachlan, engineer in charge of dredgroad in respect to certain points is as follows: Regina, 1,050 miles; Calgary.

Ottawa in June This mitted to the department of railways and canals in September, 1917. Mac-Lachlan estimated the average season of navigation at two months; the rate on grain from Saskatoon to Liverpool via Fort William and Montreal at 26.4 cents a bushel and the rate from Sas katoon to Port Nelson, including handling charges, at 19.9 cents, thus leav ing a margin of 6.5 cents for the ocean rate, extra insurance and the inter est on the cost of the works. He said the average rate paid tramp steamers and that they would inevitably choose the Montreal route unless there was a higher margin at Port Nelson.

W. D. Euler, Liberal member for North Waterloo, asked if there were reports subsequent to that of Mac Lachlan, Mr. Graham, minister of railways and canals, replied that there were and that they would be submitted when asked for. Loud applause from the Progressives greeted this statement.

oletion of the Hudson Bay railway. The vote was 78 to 20 against. The overnment treated it virtually as a want of confidence vote, so it was

the Progressives voted with the Lib-This is, however, far from being the end of the matter. Western Pro gressive members are strong for the early completion of the project. It

has been the dream of Western Can-ada ever since it found it could raise It should be noted that another road

to Hudson bay is being built. It is an extension from Cochrane north to James bay of the Temiskaming & Northern Ontario railway, owned by the province of Ontario. Its purposes have to do with colonization, fisheries and coal from the northwest shore of

To the student of American history this Hudson Bay grain export route project is of intense interest. Port Nelson and the Nelson river were the headquarters and trade highway of the conjectural transportation saving at Hudson's Bay company-chartered in about ten cents a bushel, disregarding 1670 by King Charles II of England and the biggest and most efficient

> With power of life and death and onopoly of trade over all of British North America to the Rockies it successfully barred the way to civilization for 150 years. H. B. C.—translated by its enemies, "Here Before Christ" was on its flag and the missionary and teacher were anathema. Pro pelle cutem—"skin for skin"—was the motto on its great seal and it took the fur from the Indian and skinned him in the trade, reducing him to slavery. Not even a post factor was allowed to make a garden, lest he give the lie to the "inhospitable wilderness." The "free-trader" in furs was killed off. It ignored the exploring obligations of its charter, set up trading posts and made the Indian come to them. It piled up enormous profits in secret and successfully withstood investiga-tion. Forced to let go its grip after 200 years by the British government, it is now selling its "fertile lands" and running a chain of department stores in thriving cities—and making

Had the H. B. C. explored "Rupert's Land" and opened it to colonization and settlement, the history of the North American continent would have been far thing. Alaska would not be ours. The Eng-

lish instead of the Russians would have found it—and kept it. For another, the settlement of the Missis sippi valley would have been British instead of French—with possibilities and conjectural consequences beyond

In July, according to the Railway our imagining.

been able to equal the work of their neighbors. Old-fashioned bronzeware and iniaid porcelain are particularly scarce now, and one well known col-lector declared that practically the only Japanese prints available are imi-

HOW TO KEEP

Dr. Frederick k. Green, Editor of "Health."

(@. 4924, Western Newspaper Union.) WIPING OUT MALARIA BY DESTROYING MOSQUITOES

THE mosquito is the only insect which carries malaria.

It can not be gotten by "night air," he use of stagnant water, living or steeping in damp or shady houses, of living with another malaria patient. But mosquitoes are found wherever here are stagnant pools for breedingplaces and damp and shady spots for them to live in during the daytime.

In early times, it was noticed that tries, with the breaking up of the soil and disappeared after the land was drained and settled. This was because reaking up the soil caused depres sions and hollow places in which water collected. Later an, as the ground was drained, the mosquitoes disap-peared, because their breeding-places were destroyed.

The female mosquito lays her eggs, from 40 to 200 at a time, in stagnant pools; on the margins of ponds and fresh-water lakes; in roadside ditches and ruts; even in tin cans and broken

The eggs hatch in two or three days and the young females soon begin to lay eggs, so that if breeding-places are present, they increase in enormous

However much of a nuisance they may be, mosquitoes are harmless until they have bitten a malarial patient, so that the disease can be prevented either by destroying the breeding-places of mosquitoes or by protecting all malarial patients from mosquitoe by the use of mosquito nets and

If both of these methods could be followed with complete success, ma aria would entirely disappear, just as yellow fever is now rapidly disappear

The breeding of mosquitoes can be prevented by draining all stagnant pools of water and destroying all pos-sible breeding-places. If these swamps or pools cannot be drained, crude oil is put into the water. This forms a conting on the top of the water and when the mosquito larvae come up to breathe, they are unable to penetrate this film and die from suffocation.

Mosquito control was first devel oped on a large scale by General Gor gas in the Canal Zone. In 1906, when Gorgas went to Panama, there were nearly 22,000 cases of malaria among the 26,000 employees working on the canal. Today there is practically no malaria in the Canal Zone. Wiping out malaria in Panama cost the gov ernment \$3.50 a year per person, less than 1 cent a day-about the cost of stick of gum.

State boards of health have worked out methods for malaria control, especially in our Southern states, se that any community can be free from

malaria at a very slight expense.

If you have malaria in your family your community, it's your own fault Get busy and stop it.

YOU HAVE TUBERCU-LOSIS, STAY HOME

tuberculosis is that climate is of great importance in its treatment. As soon as a person discovers that he has tuberculosis, his friends and relatives at once begin to plan to send him to California, Colorado, Arizona, Florida, the White mountains, or the Adiron

This is not surprising when we re nember that for many years doctors held the same opinion. A hundred years ago, when a young man went Into a "decline," it was customary for the attending physician to order a came home well. Sometimes he never came back. When the cause of tuber culosis was first recognized, about for tors to send their consumptive patients New Mexico and Arizona became pop-

Many of these unfortunates have little money, most of which is spent to take them to the place where they vainly hope to regain their health. Homesick, ill, unable to get the care and the comforts they need, they die far away from their loved ones, or return, exhausted, to die in a few week

or months. We know now that tuberculosis is not a disease of any one locality o climate. As it occurs anywhere, so i can be cured anywhere. A mild cile mate is not necessary. Cold air is hetter for consumptives than warm air. One's chances of getting well at home are better than anywhere else.

Just as we have learned that no medicine will cure tuberculosis, so we have also learned that no climate will

There are four things which every consumptive must have if he wishes to have a chance to recover. These are rest, fresh alr, good care and nourishing food. These he can get in any locality and the any climate. He can probably get 'them better at home than

anywhere else.

If you have tuberculosis, don't spend you money on railroad fare. Save it for good food and care. Sleep out-doors wherever you are and rest until nature has overcome the effects of the

Drainage Great Help to Gumbos

Should Be Plowed in Fall When in Good Condition

often poorly drained. Because they ontain a high percentage of clay, they do not drain easily. If an attempt is in proper condition, the results are

W. A. Albrecht of Missouri has pade a careful study of gumbo soils and the most satisfactory methods of management. He recommends drainage as the first thing to consider. This best done by a combination of tile and open ditches. The tile may be omitted, however, if the expense appears too great, for it is necessary to ay the lines close together. The open ditch is made in the natural water course and the field then plowed into permanent lands 16 to 20 rows wide so the dead furrow will drain into the open ditch

Drainage helps to loosen the soil, and after a few years improves its nature considerably. Corn should be plowed level so heavy rains can run off rapidly. The open-ditch method is the one generally used on land recentbrought under cultivation.

The second important consideration the successful management of gumbo is a suitable cropping system, says Albrecht. A popular rotation for gumbo is corn, wheat, timothy and clover. The corn is cut as early as possible, the land disked and sowed to wheat and timothy. Late in the winter, when the ground is "honey combed," clover seed is put on. The wheat may be omitted and timothy sown directly on the stalks, which may be worked down after the ground is frozen. Alsike may do better than red clover. Oats are not recomm

Corn is Favored.

there is a general tendency to plant it to corn. As a rule, however, it is better suited to grass and small grains. Should wheat lodge badly, it will be necessary to use corn, but ordinarily wheat is preferable because it can be sown in the fall when the ground is in good condition. Furthermore, the fine rooting system of wheat improves the soll structure.

gumbo is cultivation. Plow in the fall when the soil is in good condition and works easily. If possible, allow at Use a surface cultivator, for it will stay up out of the sticky soil and form a dust mulch that prevents the ground from cracking. Avoid large shove cultivators and never work gumbe a time results in a hard-baked soil.

Invite Suggestions for

Suggestions for new information eeded on live stock improvement are invited by the United States Depart ment of Agriculture in a recent sum mary of results of the "Better Sires— Better Stock" campaign. During the progress of the campaign thus far the department has obtained information on the cause and prevention of runty stock, the utility value of pure breds, the utilization of feed by good and inferior stock, and the meat yields of different classes of food animals.

mates on a number of other practical questions. It is on this proposed work that suggestions are especially invited. Such information, it is be lieved, will greatly advance the work of live stock improvement. Communi cations should be addressed to the bu reau of animal industry. United States

Alfaifa is valuable for dairy cows high protein content and its richness matter. For wintering brood sows it is also desirable. A ma of corn per day per 100 pounds live weight and all the alfalfa hay she will eat out of a rack will produce a strong litter of pigs. A gilt should receive a little more corn—at least one and one quarter pounds per day per 100 pounds

A good method of cleaning out the vals, to kill all bacteria and increas the price of cream, is to use a little nates sourness and makes the pails come clean and bright with little rub-

Frogs and Toads

Frogs and toads are enittled to our protection on account of the good they do in destroying vast numbers of in-sects and worms. The toads do this in the gardens and the frogs in in the garden and the frogs in marshy places, where the air, on account of files and other insects, would be almost unfit to breathe without the services they render. The department of Agriculture estimates the value of the condition of the con

Central Depot for Return Truck Loads

Of Great Benefit to Both Farmers and Truckers.

(Prepared by the United States Department of Agriculture.)
Investigations by the bureau of public roads of the United States Department of Agriculture indicate that a central depot or warehouse where trucks delivering farm products to cities may secure return loads is of great benefit to both farmers and

A large number of trucks enter each of our cities daily bringing milk, garden and other farm products. Most of them return empty, so that half of the mileage traveled is without profit. Many have attempted to secure return loads by giving cheap rates and going to various points about the city to collect shipments. In some cases this has proved worth while, but in others it has been abandoned, as the profits did not justify the time and In the city of Baltimore a number

of motortruck operators are main-taining jointly a central freight depot, according to all of the truck operators who make use of it, is a great success. Any freight or mer-chandise to be delivered to farmers n the surrounding territory may be delivered at this station through the delivery system of concerns from which purchases are made. A truck from the country after delivering the incoming load calls for the freight consigned to points along its route. This plan does away with the hit-and-miss system of collecting merchandise all over the city from many different business and manufacturing concerns. One operator who has kept a record of his expenses and profits has found that his truck earned in one year a net profit of \$2,362, of which fully 65 per cent was due to return load earnings.

Preparation of Seedbed

Has Important Bearing

The preparation of the seedbed has in important bearing on the control of the Hessian fly, as well as on the yield of wheat. Since infestation in the fall wheat comes mainly from and volunteer wheat—it is imperative that these sources be eliminated. This can be done (where wheat is not used as a nurse crop for clover) by plowing the land soon after harvest to a depth of about six inches. Care should be taken to turn the stubble under at least three inches of soil. The combined rolling coulter and jointer has been found very efficient in the cover ing of stubble, weeds, volunteer wheat and trash.

If it is not possible to plow soon after harvest, the land should be thoroughly disked at that time. Disking not only conserves the moisture and makes plowing easier, but also starts the growth of volunteer wheat, and this is conducive to the early emergence of the fly. The land should be plowed to a depth of about six inches worked down into a good seed-The soil should be kept mellow and free from vegetation until wheat eeding time.

Selecting Seed Corn

In selecting corn for seed pick ears from stalks which yield well in cometition with others, are free from disease, and hang at a height convenient for husking, says the United States Department of Agriculture. Droop-ing ears which shed rain readily usuwill give the best seed, while in South it is necessary to choose ears that are well protected from in ects by a long, tight husk covering. Care in selecting and handling seed will be more than repaid in increased

Farm Hint

Early-plowed land brings

Rotate the crops in your garden as preventive of diseases and insects.

Here is a farm program worth in specting: Pigs, cows, hens, corn and alfalfa.

More legumes mean more prosperity for farmers, business men and com

Spray with nicotine sulphate or dust nicotine dust all plants infested. with plant lice.

What shall it profit a gardenes to worms eat them up?

By lowering his initial cost of prouction in whatever way, the farmer usually adds to his profits.

Fire in the buildings destroys pres -it destroys present and future

Don't let the gardens grow up in grass where diseases can be harbored. Clean up and burn all dead and decap-

Limestone does not become active put in alfalfa next year should be limed this year, otherwise the acidity of the soil may damage the alfalfa before it has a chance to make a start,

AFTER BABY WAS BORN

Back Weak and Painful. Mrs. Miller Benefited by Taking Lydia E. Pinkham's Vegetable Compound



Rotan, Texas.—"I am writing to let you know how I have been benefited by taking your medicine. After my second baby was born my back was weak and hurt me continually, so I thought I'd try Lydia E. Pinkham's Ve geta ble Compound as I had read so many home. I had been bothered with my back for over a year, and it would hurt me until I could not do my work, which is keeping house for three and cooking and washing dishes. I tell all my friends if they have any kind of female troubles to give Lydia E. Pinkham's Vegetable Compound a trial. You may use this testimonial if it will help any one."

Mrs. C. R. MILLER, R. F. D. No. 1, Box 76, Rotan, Texas.

In a recent country-wide carryass of

In a recent country-wide carrass of purchasers of Lydia E. Pinknam's Vegetable Compound over 121,000 replies were received, and 98 out of every 100 reported they were benefited by its use. For sale by druggists everywhere.



Gout, Eczema, Hives, etc. Right in your own home and at trifling cost, you can enjoy the benefit of healing sulphur baths. HANCOCK

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ature's own blood purifying and skin healing medy—SULPHUR—prepared in a way to lake its use most efficacious. Use it in the ath; use it as a lotion applying to affected arts; and take it internally. 60c and \$1.20 the bottle

HANCOCK LIQUID SULPHUR COMPANY Baltimore, Md.

Hancock Sulphur Compound Ointment—30c and 60c—for use with
the Liquid Compound

When Baby Frets from teething, feverishness, cold, colic or stomach and bowel irregularities there is nothing that will give it nothing that will give it quicker relief than DR. THORNTON'S EASY TEETHER

A famous baby's specialist's prescription, successfully used for 15 years. A sweet powder that children like—takes the place of castor oil. Contains no opiates or harmful drugs. Package, 25c, at your druggist. If it fails to help, your money refunded.

Too Far Away

Betty, who was three and a half, was very much interested in the renodeling of the house across the way. She had heard folks talking about the ew roof which was being put on,
"What kind of a roof is it?" asked

"Asbestos," replied grandmother. "I can't ask Bestos. He's too far way," said Betty in all sincerity.

The Cutioura Tollet Trio. Having cleared your skin keep it clear by making Cuticura your everyday toilet preparations. The Soap to cleanse and purify, the Ointment to soothe and heal, the Talcum to powder and per-No toilet table is complete ithout them.—Advertisement.

Rather

"Are you fond of music?" "Not very, but I prefer it to popular ongs."—Boston Transcript. ongs."-

When a dentist hunts trouble he



INSIST! Unless you see the "Bayer Cross" on tablets you are not getting the genuine Bayer Aspirin proved safe by millions and prescribed by physicians for 24 years.

Safe Accept only a

which contains proven directions Handy "Bayer" boxes of 12 tablets Also bottles of 24 and 100—Druggista Aspirin is the trade mark of Bayer Manufacture of Monoaceticacidester of Salicylicacid

Another Universe

Harvard observatory reports not only the discovery but also the measurement of the most distant object yet seen by man. It is another unlverse, but smaller than ours. This faint and nameless collection of worlds is in the constellation of the Archer

pears as a pin-head of light in the ly stripped bare of antiques by tourists largest telescopes. It was first discovered by the late Prof. E. E. Bar-So few real curios are left in the

stars were supposed to be only 250,-

000 light years away. China Losing Antiques

faint and nameless contection of words is in the constellation of the Archer and its six quintillion miles distant most unknown is China in a few years, according to collectors and dealers who have returned from the Orient recontto the earth. The new universe ap-

bard but was photographed just re-cently. Heretofore the most distant that the Chinese are endeavoring to emulate the Japanese in turning out imitations, but so far they have not

and Easy to Work.

Solis designated by the term "gum-bo" include those that are more or less gummy and sticky, and they are

Drainage Helps.

Because gumbo is considered fertile

The third point to bear in mind with

Live Stock Improvement

Plans are now under way to get ad-ditional facts and dependable esti-

Alfalfa Is Valuable

Cleaning Dairy Utensils

lye in the water. The amount is two tablespoonfuls of iye to a gallon of water. The re unites with the grease and butterfat forming a soft soap which dissolves readily. This elimi